Data CD
Contents of California Air Quality Data CD-ROM
December, 2002

Annual Criteria Pollutant Summary Data Files (Maximum Values)

YB8001 includes 1980-2001 yearly data for California air basins by pollutant.
YC8001 includes 1980-2001 yearly data for California county/air basin by pollutant.
YS8001 includes 1980-2001 yearly data for California sites and air basins by pollutant.
These files also contain the California Statewide Maxima.

GASES

CARBON MONOXIDE

Variable	Units	Description
COMAX8N ^	ppm	CO - Max. 8 hour - non-overlapping (State specification)
COMXN8N ^	ppm	CO - Max. 8 hour - non-overlapping (National specification)
COEX8HST	days	CO - Count of Days exceeding Statewide 8 hr. std. (>=9.05 ppm)
COEX8HNA	days	CO - Count of Days exceeding National 8 hr. std. (>=9.5 ppm)
COEX8HLT	days	CO - Count of Days exceeding Tahoe 8 hr. std. (>=6.0 ppm)
COMAX1HR^	ppm	CO - Max. 1 hour average concentration
COXH1HST	hrs	CO - Count of Hours exceeding State 1 hr. std. (>=20.5 ppm)
COXH1HNA	hrs	CO - Count of Hours exceeding National 1 hr. std. (>=35.5 ppm)
COEX1HST	days	CO - Count of Days exceeding State 1 hr. std. (>=20.5 ppm)
COEX1HNA	days	CO - Count of Days exceeding National 1 hr. std. (>=35.5 ppm)
COEPDC8H^	ppm	CO - EPDC - 8 hour avg. (3 yr. period ends with indicated year)
COEPDC1H^	ppm	CO - EPDC - 1 hour avg. (3 yr. period ends with indicated year)
COTP30H1^	ppm	CO - Top30_1hr - Site Mean of the Top 30 Daily Max. 1hr.
COTP30H8^	ppm	CO - Top30_8hr - Site Mean of the Top 30 Daily Max. 8hr.
COCOMPN *	days	CO - Complete Days - Number of Days satisfying completeness criteria
COHICOV *	%	CO - Coverage during typical periods of high concentration
CODSGH1 ^	ppm	CO - Designation Value - 1 hour average (State)
CODSGH8 ^	ppm	CO - Designation Value - 8 hour average (State)
COSITCM	sites	CO - Number of Sites with Complete Data (State specification)

HYDROGEN SULFIDE

Variable	Units	Description
H2SMAX1H^	ppm	H2S - Max. 1 hour average concentration
H2SXH1HS	hrs	H2S - Count of Hours exceeding State 1 hr. std. (>=.030 ppm)
H2SEX1HS	days	H2S - Count of Days exceeding State 1 hr. std. (>=.030 ppm)
H2SEPDCH^	ppm	H2S - EPDC - 1 hour avg. (3 yr. period ends with indicated year)
H2STP30H^	ppm	H2S - Top30_1hr - Site Mean of the Top 30 Daily Max. 1 hr.
H2SCOMPN*	days	H2S - Complete Days - Number of Days satisfying completeness criteria
H2SHICOV*	%	H2S - Coverage during typical periods of high concentration
H2SSITCM	sites	H2S - Number of Sites with Complete Data (State specification)

NITROGEN DIOXIDE

Variable	Units	Description
NO2MAX1H^	ppm	NO2 - Max. 1 hour average concentration
NO2XH1HS	hrs	NO2 - Count of Hours exceeding State 1 hr. std. (>=25.5 pphm)
NO2EX1HS	days	NO2 - Count of Days exceeding State 1 hr. std. (>=25.5 pphm)
NO2AAM ^	ppm	NO2 - AAM (Annual Arithmetic Mean)
NO2EPDCH^	ppm	NO2 - EPDC - 1 hour avg. (3 yr. period ends with indicated year)
NO2TP30H^	ppm	NO2 - Top30_1hr - Mean of the Top 30 Daily Max. 1 hr.
NO2COMPN*	days	NO2 - Complete Days - Number of Days satisfying completeness criteria
NO2HICOV*	%	NO2 - Coverage during typical periods of high concentration
NO2DSGH1^	ppm	NO2 - Designation Value - 1 hour average (State)
NO2SITCM	sites	NO2 - Number of Sites with Complete Data (State specification)

OZONE

Variable	Units	Description
OZMAX1HR^	ppm	Ozone - Max. 1 hour average concentration
OZ4HI3YR^	ppm	Ozone - 3yr_4th_hi - 4th high daily max 1hr over 3 yrs ending with yr.
OZXH1HST	hrs	Ozone - Count of Hours exceeding State 1 hr. std. (>=.095 ppm)
OZXH1HNA	hrs	Ozone - Count of Hours exceeding National 1 hr. std. (>=.125 ppm)
OZEX1HST	days	Ozone - Count of Days exceeding State 1 hr. std. (>=.095 ppm)
OZEX1HNA	days	Ozone - Count of Days exceeding National 1 hr. std. (>=.125 ppm)
OZMAX8O ^	ppm	Ozone - Max. 8 hr. avg. - overlapping (National specification)
OZEX8HNA	days	Ozone - Count of Days exceeding National 8 hr. std. (>=.085) (overlap)
OZ4HI8HR^	ppm	Ozone - 3yr_avg_4hi - avg. 4th high 8hr over 3 years ending with year
OZEPDC1H^	ppm	Ozone - EPDC - 1 hour avg. (3 yr. period ends with indicated year)
OZEPDC8H^	ppm	Ozone - EPDC - 8 hour avg. (3 yr. period ends with indicated year)
OZTP30H1^	ppm	Ozone - Top30_1hr - Mean of the Top 30 Daily Max 1 hr.
OZTP30H8^	ppm	Ozone - Top30_8hr - Mean of the Top 30 Daily Max. 8 hr.
OZCOMPN *	days	Ozone -Complete Days -Number of Days satisfying completeness criteria
OZHICOV *	%	Ozone - Coverage during typical periods of high concentration
OZDSGH1 ^	ppm	Ozone - Designation Value - 1 hour average (State)
OZSITCM	sites	Ozone - Number of Sites with Complete Data (State specification)

SULFUR DIOXIDE

Variable	Units	Description
SO2MAX1H^	ppm	SO2 - Max. 1 hour average concentration
SO2XH1HS	hrs	SO2 - Count of hours exceeding State 1 hr. std. (>=.255 ppm)
SO2EX1HS	days	SO2 - Count of Days exceeding State 1 hr. std. (>=.255 ppm)
SO2MX24S^	ppm	SO2 - Max 24 hr. - non-overlapping (State specification)
SO2NMX24^	ppm	SO2 - Max 24 hr. - non-overlapping (National)
SO2EX24S	days	SO2 - Count of Days exceeding State 24 hr. std. (>=.045 ppm)
SO2EX24N	days	SO2 - Count of Days exceeding National 24 hr. std. (>=.145 ppm)
SO2AAM ^	ppm	SO2 - AAM (Annual Arithmetic Mean)
SO2EPDCH^	ppm	SO2 - EPDC - 1 hour avg. (3 yr. period ends with indicated year)
SO2EPDCD^	ppm	SO2 - EPDC - 24 hr. avg. (3 yr. period ends with indicated year)
SO2TP30H^	ppm	SO2 - Top30_1hr. - Mean of the Top 30 Daily Max. 1 hr.
SO2TP30D^	ppm	SO2 - Top30_24hr. - Mean of the Top 30 Daily Max. 24 hr. (State)
SO2COMPN*	days	SO2 - Complete Days - Number of Days satisfying completeness criteria
SO2HICOV*	%	SO2 - Coverage during typical periods of high concentration
SO2SITCM	sites	SO2 - Number of Sites with Complete Data (State specification)

PARTICULATES

PM10

Variable	Units	Description
PM10MX24^	ug/m3	PM10 - Max. 24 hour average concentration
PM10AVG	ug/m3	PM10 – Basic annual average concentration
PM10EXST**	days	PM10 - Sample Days exceeding State 24 hr. std. (>=50.5 ug/m3)
PM10CX1S**	days	PM10 - Calculated days exceeding State standard
PM10EXNA**	days	PM10 - Sample Days above National 24 hr. std.(>=155 ug/m3)
PM10CX1N**	days	PM10 - Calculated days exceeding National standard
PM10CX3N**	days	PM10 – Average estimated exceedances of the National standard over 3 years.

PM10AGM ^	ug/m3	PM10 - AGM (Annual Geometric Mean)
PM10AOQ ^	ug/m3	PM10 - Average of Quarterly Means
PM10TP10^	ug/m3	PM10 - Top10_24hr - Mean of the Top 10 - 6 day period Max. 24 hr.
PM10EPDC^	ug/m3	PM10 - EPDC - 24 hr. avg. (3 yr. period ends with indicated year)
PM10OBS *	days	PM10 - Number of 24 hour samples
PM10HICV*	%	PM10 - Coverage during typical periods of high concentration
PM10DN24^	ug/m3	PM10 - Designation Value - 24 hour average (State)

PM2.5

Variable	Units	Description
PM25MX24^	ug/m3	PM2.5 - FRM Max. 24 hour average concentration
PM25P98C^	ug/m3	PM2.5 - FRM 98th percentile 24 hour average concentration
PM2598PC*	ug/m3	PM2.5 - FRM 98th percentile, 3 yr. average ending with indicated year
PM25EXNA*	days	PM2.5 - FRM Sample Days above Nat. 24 hr. std. level (>=65.5 ug/m3)
PM25AOQ ^	ug/m3	PM2.5 - FRM Average of Quarterly Means
PM25TP10^	ug/m3	PM2.5 - FRM Top10_24hr. - Mean of the Top 10 - 6 day period Max. 24hr.
PM25OBS *	days	PM2.5 - FRM Number of 24 hour Samples
PM25HICV*	%	PM2.5 - FRM Coverage during typical periods of high concentration
PM25STCM	sites	PM2.5 - FRM Number of Sites with Complete Data (State specification)

PMFINE

Variable	Units	Description
PMFMX24^	ug/m3	PMFINE - Max. 24 hour average concentration
PMFP98C^	ug/m3	PMFINE - 98th percentile 24 hour average concentration
PMF98PC^	ug/m3	PMFINE - 98th percentile, 3 yr. average ending with indicated year
PMFEXNA	days	PMFINE - Sample Days above Nat. 24 hr. std. level (>=65.5 ug/m3)
PMFCX1N	days	PMFINE - Calculated days exceeding National standard
PMFAOQ ^	ug/m3	PMFINE - Average of Quarterly Means
PMFTP10^	ug/m3	PMFINE - Top10_24hr. - Mean of the Top 10 - 6 day period Max. 24hr.
PMFOBS *	days	PMFINE - Number of 24 hour Samples
PMFHICV*	%	PMFINE - Coverage during typical periods of high concentration
PMFSTCM	sites	PMFINE - Number of Sites with Complete Data (State specification)

* These statistics are only included in the YS8001 file, all the other variables are common in the three annual files YB8001, YC8001, and YS8001.

** These statistics for PM10 show actual basinwide values, but are represented by the highest site for the county and California maximum.

^ All statistics displaying this symbol are represented by the highest site for both the basin and county.

Daily Gases Pollutant Summary Data Files (Sites and Air Basins - Maximum Values) DGASxxxx, include 1980-01 daily gas data for California sites and air basins by Pollutant. These files, which are split into four groups 1980-84, 1985-89, 1990-94, and 1995-01, also contain the California Statewide Maximums.

GASES

Variable	Units	Description
COMAX8N	ppm	CO - Max. 8 hour - non-overlapping (State specification)
COMXN8N	ppm	CO - Max. 8 hour - non-overlapping (National specification)
COMAX8O	ppm	CO - Max. 8 hr. - overlapping (State specification)
COMAX1HR	ppm	CO - Max. 1 hour average concentration
CODLYAVG	ppm	CO - Daily (24 hr.) average concentration
H2SMAX1H	ppm	H2S - Max. 1 hour average concentration
CH4MAX1H	ppmC	CH4 - Max. 1 hr.
NO2MAX1H	ppm	NO2 - Max. 1 hour average concentration
NOMAX1HR	ppm	NO - Max. 1 hr.
NMHCMX1H	ppmC	NMHC - Max. 1 hr.
NOXMAX1H	ppm	NOx - Max. 1 hr.
NOXDLYAV	ppm	NOx - Daily (24 hr.) average concentration
OZMAX1HR	ppm	Ozone - Max. 1 hour average concentration
OZMAX8O	ppm	Ozone - Max. 8 hr. avg. - overlapping (National specification)
SULFURMX	ppm	Sulfur - Max. 1 hr.
SO2MAX1H	ppm	SO2 - Max. 1 hour average concentration
SO2MX24N	ppm	SO2 - Max 24 hr. - non-overlapping (State specification)
SO2MX24O	ppm	SO2 - Max. 24 hr. - overlapping (State specification)
THCMAX1H	ppmC	THC - Max. 1 hr.
TRSMAX1H	ppm	TRS - Max. 1 hr.

Daily Particulate Matter Files (Sites and Air Basins - Maximum Values)

DLYPMx, include 1980-2001 daily particulates for California sites and air basins by pollutant. These files, which are split into two groups 1980-1989 and 1990-2001, also contain the California Statewide Maximums.

PARTICULATES

Variable	Units	Description
PM10NH4	ug/m3	Ammonium (PM10)
PM10CL	ug/m3	Chloride (PM10)
COHAV24	COH	COH - Daily average
COHMX2H	COH	COH - Max. 2 hr.
PM10PB	ug/m3	Lead (PM10)
TSPPB	ug/m3	Lead (TSP)
LTSCAV24	bscat	LTSC - Daily average
LTSCMX1H	bscat	LTSC - Max. 1 hr.
PM10NO3	ug/m3	Nitrate (PM10)
TSPNO3	ug/m3	Nitrate (TSP)
PM25	ug/m3	PM2.5 - FRM (0-2.5u) using the Federal Reference Method
PM10	ug/m3	PM10 - Total Mass (24 hr. value from the High Volume Size Selective Inlet Sampler)
PM10DICH	ug/m3	PM10DICH - Total Mass, from the dichotomous sampler
PMBAM24H	ug/m3	PM10 by BAM - Daily Average
PMBAMMX	ug/m3	PM10 by BAM - Max. 1 hr.
PMCRS	ug/m3	PMCRS - Coarse fraction (2.5 - 10u), from the dichotomous sampler
PMFINE	ug/m3	PMFINE - Fine fraction (0 - 2.5u), from the dichotomous sampler
PMTEOM24	ug/m3	PM10 by TEOM - Daily Average
PMTEOMMX	ug/m3	PM10 by TEOM - Max. 1 hr.
PM10K	ug/m3	Potassium (PM10)
PM10SO4	ug/m3	Sulfate (PM10)
TSPSO4	ug/m3	Sulfate (TSP)
PM10TOTC	ug/m3	Total Carbon (PM10)
TSP	ug/m3	Total Suspended Particulates

Daily Particulate Matter - Dichot File (Sites and Air Basin Values)

DLYDCH includes 1988-2001 Dichot raw data by site and air basin.
These files also contain the California Statewide Maximums. See Appendix A.

Daily Toxics Pollutants Site File (Sites Values)

DLYTOXIC contains 1990-2001 toxics raw data by monitoring site.
This file also contains the California Statewide Maximums. See Appendix C.

Annual Toxics Pollutant Site File (Sites Values)

YTOX9001 contains 1990-2001 annual summary statistics, as shown below, for the toxics data by monitoring site and statewide.

Average Concentration,
Mean of Monthly Means,
Number of Samples,
Valid Months,
Standard Deviation,
Maximum,
90th Percentile,
75th Percentile,
Median,
25th Percentile,
10th Percentile,
Minimum, and
Estimated Risk.

Hourly - Major Gases Pollutant Site Files (Sites Values)

HRO3xxxx contain 1980-2001 hourly site data by pollutant by year.
These files include the following pollutants: CO, NO, NO2, NMHC, NOx, and O3.

GASES

Variable	Units	Description
CO1HR	ppm	Carbon Monoxide (CO) - hourly measurements
NO1HR	ppm	Nitric Oxide (NO) - hourly measurements
NO21HR	ppm	Nitrogen Dioxide (NO2) - hourly measurements
NMHC1HR	ppmC	Non-Methane Hydrocarbons (NMHC) - hourly measurements
NOX1HR	ppm	Oxides of Nitrogen (NOx) - hourly measurements
OZ1HR	ppm	Ozone - hourly measurements

Hourly - HC Pollutant Site Files (Sites Values)

HRHCxxxx contain 1980-2001 hourly site data by pollutant (CH4, NMHC, and THC).
The files are split into 5 groups: 1980-1984, 1985-1989, 1990-1994, 1995-2000, and 2001.

GASES

Variable	Units	Description
CH41HR	ppmC	Methane (CH4) - hourly measurements
NMHC1HR	ppmC	Non-Methane Hydrocarbons (NMHC) - hourly measurements
THC1HR	ppmC	Total Hydrocarbons (THC) - hourly measurements

Hourly - Particulate and Visibility-Related Site Files (Site Values)

HRPMxxxx contain 1980-2001 hourly site data by pollutant (TEOM, LTSC, and COH).
The files are split into 5 groups: 1980-1984, 1985-1989, 1990-1994, 1995-2000, and 2001.

PARTICULATES

Variable	Units	Description
COH2HR	COH	Coefficient of Haze (COH) -Soiling Index (COH/1000 ft.) - 2 hr. meas.
LTSC1HR	bscat	Light Scatter (LTSC) - hourly measurements
TEOM1HR	ug/m3	TEOM - PM10 (ug/m3) collected with TEOM - hourly measurements
BAM1HR	ug/m3	BAM - PM10 (ug/m3) collected with BAM - hourly measurements

Hourly - SO2 Site Files (Sites Values)

HRSO2xxx contain 1980-2001 hourly SO2 site data.
The files are split into 5 groups: 1980-1984, 1985-1989, 1990-1994, 1995-2000, and 2001. Please disregard the 2001 data in the 1995-2000 file.

GASES

Variable	Units	Description
SO21HR	ppm	Sulfur Dioxide (SO2) - hourly measurements

Hourly - H2S Site File (Sites Values)

HRH2Sxxx contains 1980-2001 hourly H2S site data and are split into 2 groups: 1980-2000 and 2001.

GASES

Variable	Units	Description
H2S1HR	ppm	Hydrogen Sulfide (H2S) - hourly measurements

Hourly (3 hour) - NMOC Site Files (Site Values)

HRNMOC contains 1994-2001 3-hour NMOC site data by pollutant by year. See Appendix B.

Miscellaneous Data Files

There are a number of other miscellaneous data files on the CD. See Appendix D.

APPENDIX A

Daily Particulate Matter - Dichot File (Sites and Air Basin Values)
DLYDCH includes 1988-2001 Dichot raw data by site and air basin.
These files also contain the California Statewide Maximums.

DICHOT

FINE (0-2.5u)

Variable	Units	Description
PMFINE	ug/m3	PMFINE - Fine fraction (0 - 2.5u), from the dichotomous sampler
FAL	ng/m3	Aluminum Fine Dichot Fraction
FSI	ng/m3	Silicon Fine Dichot Fraction
FP	ng/m3	Phosphorus Fine Dichot Fraction
FS	ng/m3	Sulfur Fine Dichot Fraction
FCL	ng/m3	Chlorine Fine Dichot Fraction
FK	ng/m3	Potassium Fine Dichot Fraction
FCA	ng/m3	Calcium Fine Dichot Fraction
FTI	ng/m3	Titanium Fine Dichot Fraction
FV	ng/m3	Vanadium Fine Dichot Fraction
FCR	ng/m3	Chromium Fine Dichot Fraction
FMN	ng/m3	Manganese Fine Dichot Fraction
FFE	ng/m3	Iron Fine Dichot Fraction
FCO	ng/m3	Cobalt Fine Dichot Fraction
FNI	ng/m3	Nickel Fine Dichot Fraction
FCU	ng/m3	Copper Fine Dichot Fraction
FZN	ng/m3	Zinc Fine Dichot Fraction
FAS	ng/m3	Arsenic Fine Dichot Fraction
FSE	ng/m3	Selenium Fine Dichot Fraction
FBR	ng/m3	Bromine Fine Dichot Fraction
FRB	ng/m3	Rubidium Fine Dichot Fraction
FSR	ng/m3	Strontium Fine Dichot Fraction
FY	ng/m3	Yttrium Fine Dichot Fraction
FZR	ng/m3	Zirconium Fine Dichot Fraction
FMO	ng/m3	Molybdenum Fine Dichot Fraction
FCD	ng/m3	Cadmium Fine Dichot Fraction
FSN	ng/m3	Tin Fine Dichot Fraction
FSB	ng/m3	Antimony Fine Dichot Fraction
FBA	ng/m3	Barium Fine Dichot Fraction
FHG	ng/m3	Mercury Fine Dichot Fraction
FPB	ng/m3	Lead Fine Dichot Fraction
FU	ng/m3	Uranium Fine Dichot Fraction

COARSE (2.5-10u)

Variable	Units	Description
PMCRS	ug/m3	PMCRS - Coarse fraction (2.5 - 10u), from the dichotomous sampler
CAL	ng/m3	Aluminum Coarse Dichot Fraction
CSI	ng/m3	Silicon Coarse Dichot Fraction
CP	ng/m3	Phosphorus Coarse Dichot Frac
CS	ng/m3	Sulfur Coarse Dichot Fraction
CCL	ng/m3	Chlorine Coarse Dichot Fraction
CK	ng/m3	Potassium Coarse Dichot Frac
CCA	ng/m3	Calcium Coarse Dichot Fraction
CTI	ng/m3	Titanium Coarse Dichot Fraction
CV	ng/m3	Vanadium Coarse Dichot Fraction
CCR	ng/m3	Chromium Coarse Dichot Fraction

COARSE (2.5-10u)

Variable	Units	Description
CMN	ng/m3	Manganese Coarse Dichot Fractio
CFE	ng/m3	Iron Coarse Dichot Fraction
CCO	ng/m3	Cobalt Coarse Dichot Fraction
CNI	ng/m3	Nickel Coarse Dichot Fraction
CCU	ng/m3	Copper Coarse Dichot Fraction
CZN	ng/m3	Zinc Coarse Dichot Fraction
CAS	ng/m3	Arsenic Coarse Dichot Fraction
CSE	ng/m3	Selenium Coarse Dichot Fraction
CBR	ng/m3	Bromine Coarse Dichot Fraction
CRB	ng/m3	Rubidium Coarse Dichot Fraction
CSR	ng/m3	Strontium Coarse Dichot Frac
CY	ng/m3	Yttrium Coarse Dichot Fraction
CZR	ng/m3	Zirconium Coarse Dichot Frac
CMO	ng/m3	Molybdenum Coarse Dichot Frac
CCD	ng/m3	Cadmium Coarse Dichot Fraction
CSN	ng/m3	Tin Coarse Dichot Fraction
CSB	ng/m3	Antimony Coarse Dichot Fraction
CBA	ng/m3	Barium Coarse Dichot Fraction
CHG	ng/m3	Mercury Coarse Dichot Fraction
CPB	ng/m3	Lead Coarse Dichot Fraction
CU	ng/m3	Uranium Coarse Dichot Fraction

TOTAL (0-10u)

Variable	Units	Description
PM10DICH	ug/m3	PM10DICH - Total Mass, from the dichotomous sampler
TAL	ng/m3	Aluminum - Total Dichot
TSI	ng/m3	Silicon - Total Dichot
TP	ng/m3	Phosphorus - Total Dichot
TS	ng/m3	Sulfur - Total Dichot
TCL	ng/m3	Chlorine - Total Dichot
TK	ng/m3	Potassium - Total Dichot
TCA	ng/m3	Calcium - Total Dichot
TTI	ng/m3	Titanium - Total Dichot
TV	ng/m3	Vanadium - Total Dichot
TCR	ng/m3	Chromium - Total Dichot
TMN	ng/m3	Manganese - Total Dichot
TFE	ng/m3	Iron - Total Dichot
TCO	ng/m3	Cobalt - Total Dichot
TNI	ng/m3	Nickel - Total Dichot
TCU	ng/m3	Copper - Total Dichot
TZN	ng/m3	Zinc - Total Dichot
TAS	ng/m3	Arsenic - Total Dichot
TSE	ng/m3	Selenium - Total Dichot
TBR	ng/m3	Bromine - Total Dichot
TRB	ng/m3	Rubidium - Total Dichot
TSR	ng/m3	Strontium - Total Dichot
TY	ng/m3	Yttrium - Total Dichot
TZR	ng/m3	Zirconium - Total Dichot
TMO	ng/m3	Molybdenum - Total Dichot
TCD	ng/m3	Cadmium - Total Dichot
TSN	ng/m3	Tin - Total Dichot
TSB	ng/m3	Antimony - Total Dichot
TBA	ng/m3	Barium - Total Dichot
THG	ng/m3	Mercury - Total Dichot
TPB	ng/m3	Lead - Total Dichot

TU	ng/m3	Uranium - Total Dichot

APPENDIX B

Hourly (3 hour) - NMOC Site Files (Site Values)

HRNMOC contains 1994-2001 3-hour NMOC site data by pollutant by year.

NMOC

ALKANE

Variable	Units	Description
V2MHXA	ppbC	2-Methylhexane
V3MPNA	ppbC	3-Methylpentane
VNPNTA	ppbC	n-Pentane
V2MHEP	ppbC	2-Methylheptane
V4MEHE	ppbC	4-Methylheptane
V223TM	ppbC	2,2,3-Trimethylbutane
V33DMPNT	ppbC	3,3-Dimethylpentane
V234TM	ppbC	2,3,4-Trimethylpentane
V224TM	ppbC	2,2,4-Trimethylpentane
V3MHEP	ppbC	3-Methylheptane
VCOEL003	ppbC	Methylcyclopentane and 2,4-Dimethylpentane
V2MPNA	ppbC	2-Methylpentane
VNBUTA	ppbC	n-Butane
VCYPNA	ppbC	Cyclopentane
V24DMHEX	ppbC	2,4-Dimethylhexane
VT13DM	ppbC	trans-1,3-Dimethylcyclopentane
V3MHXA	ppbC	3-Methylhexane
VMCYHX	ppbC	Methylcyclohexane
VNDODECA	ppbC	n-Dodecane
V22DMPNT	ppbC	2,2-Dimethylpentane
V23DMHPT	ppbC	2,3-Dimethylheptane
VCPROPAN	ppbC	Cyclopropane
VNUNDC	ppbC	n-Undecane
V22STMHX	ppbC	2,2,5-Trimethylhexane
VCOEL006	ppbC	Cyclohexane and 2-Methylhexane
V23DMHEX	ppbC	2,3-Dimethylhexane
VISBTA	ppbC	Isobutane
VNNON	ppbC	n-Nonane
VNDEC	ppbC	n-Decane
V24DMHPT	ppbC	2,4-Dimethylheptane
V25DMHEX	ppbC	2,5-Dimethylhexane

VCYHXA	ppbC	Cyclohexane
V22DMB	ppbC	2,2-Dimethylbutane
VMCPNA	ppbC	Methylcyclopentane
V22DMHEX	ppbC	2,2-Dimethylhexane
VPROPA	ppbC	Propane
VC13DM	ppbC	cis-1,3-Dimethylcyclopentane
VNHEXA	ppbC	n-Hexane
VNOCT	ppbC	n-Octane
V3MOCTAN	ppbC	3-Methyloctane
V23DMP	ppbC	2,3-Dimethylpentane
VISPNA	ppbC	2-Methylbutane
V35DMHPT	ppbC	3,5-Dimethylheptane
V3MNONAN	ppbC	3-Methylnonane
VETHAN	ppbC	Ethane
V23DMB	ppbC	2,3-Dimethylbutane
V22DMPRO	ppbC	2,2-Dimethylpropane
V24DMP	ppbC	2,4-Dimethylpentane
VNHEPT	ppbC	n-Heptane
V4MOCTAN	ppbC	4-Methyloctane
V3ETHEXA	ppbC	3-Ethylhexane

ALKENE

Variable	Units	Description
VAPINE	ppbC	alpha-Pinene
VT2BTE	ppbC	trans-2-Butene
V3HEXENE	ppbC	3-Hexene
V2M1PE	ppbC	2-Methyl-1-pentene
VBPINE	ppbC	beta-Pinene
VC2HEX	ppbC	cis-2-Hexene
V4MHEXEN	ppbC	4-Methylhexene
VT3M2PNT	ppbC	trans-3-Methyl-2-pentene
VT2OCTEN	ppbC	trans-2-Octene
V3M1BE	ppbC	3-Methyl-1-butene
VMCPENTE	ppbC	Methylcyclopentene
VC2PNE	ppbC	cis-2-Pentene
VCOEL005	ppbC	1-Hexene and 2-Ethylpentene
VPRPYL	ppbC	Propene
VC2BTE	ppbC	cis-2-Butene
V1PNTE	ppbC	1-Pentene
VCYPNE	ppbC	Cyclopentene
VT2HEX	ppbC	trans-2-Hexene
VISOBUTE	ppbC	Isobutene
VCHEXENE	ppbC	Cyclohexene
V2M1BUTE	ppbC	2-Methyl-1-butene
V1HEXENE	ppbC	1-Hexene
VISPRE	ppbC	Isoprene
VETHYL	ppbC	Ethene
VHEPTENE	ppbC	Heptene
VT2PNE	ppbC	trans-2-Pentene
V13BUD	ppbC	1,3-Butadiene
V1BUTE	ppbC	1-Butene

V1NONENE	ppbC	1-Nonene
V2M2BE	ppbC	2-Methyl-2-butene
VCOEL009	ppbC	2-Methylpropene and 1-Butene
VCOEL010	ppbC	4-Methylpentene and 3-Methylpentene
V4M1PE	ppbC	4-Methyl-1-pentene
V235TMHX	ppbC	2,3,5-Trimethylhexane
V2M2HEXE	ppbC	2-Methyl-2-hexene
V224TM2P	ppbC	2,4,4-Trimethyl-2-pentene
V1OCTENE	ppbC	1-Octene
V4M2PNTE	ppbC	4-Methyl-t-2-pentene
VC3M2PNT	ppbC	cis-3-Methyl-2-pentene
VCOEL012	ppbC	Octene and 3-Methylheptene
VC2OCTEN	ppbC	cis-2-Octene

ALKYNE

Variable	Units	Description
V1BUTYNE	ppbC	1-Butyne
VPROPYNE	ppbC	Propyne
VACETE	ppbC	Ethyne
V2BUTYNE	ppbC	2-Butyne

AROMATIC

Variable	Units	Description
VMDEB	ppbC	m-Diethylbenzene
VCPROPBZ	ppbC	Cyclopropylbenzene
VNPBZ	ppbC	n-Propylbenzene
VSECBUTB	ppbC	sec-Butylbenzene
VMPXY	ppbC	m/p-Xylene
VOXYL	ppbC	o-Xylene
VOETOL	ppbC	o-Ethyltoluene
VBZ	ppbC	Benzene
VPDEB	ppbC	p-Diethylbenzene
VEBENZ	ppbC	Ethylbenzene
V124TB	ppbC	1,2,4-Trimethylbenzene
VMXYL	ppbC	m-Xylene
VISPBZ	ppbC	Isopropylbenzene
VPETOL	ppbC	p-Ethyltoluene
V135TB	ppbC	1,3,5-Trimethylbenzene
VMETOL	ppbC	m-Ethyltoluene
V4ETOL	ppbC	4-Ethyltoluene
VPXYL	ppbC	p-Xylene
VSTYR	ppbC	Styrene
VTOLU	ppbC	Toluene
VCOEL011	ppbC	m-Ethyltoluene and p-Ethyltoluene
V123TB	ppbC	1,2,3-Trimethylbenzene

CARBONYL

Variable	Units	Description
VACET	ppbC	Acetone
VBZALDHY	ppbC	Benzaldehyde
VFORM	ppbC	Formaldehyde
VMTBE	ppbC	Methyl tert-Butyl Ether
VACETA	ppbC	Acetaldehyde
VMTETN	ppbC	Methyl Ethyl Ketone

MIXTURE

Variable	Units	Description
VCOEL001	ppbC	Methylcyclohexene and 2-Methylheptane
VCOEL002	ppbC	cis-2-Pentene and 2-Methylpentane
VCOEL004	ppbC	o-Ethyltoluene and Decene
VCOEL007	ppbC	o-Xylene and Nonane
VCOEL008	ppbC	Ethyne and Ethane
VCOEL013	ppbC	n-Decane and 1,2,4-Trimethylbenzene

TOTALS

Variable	Units	Description
VSUMPKS	ppbC	Sum of peaks
VPAMHC	ppbC	Sum of PAMS target compounds
VTNMOC	ppbC	Total NMOC
VTHC	ppbC	Total hydrocarbons

APPENDIX C

Daily Toxics Pollutants Site File (Sites Values)
DLYTOXIC contains 1990-2001 toxics raw data by monitoring site.
This file also contains the California Statewide Maximums.

GASES

Variable	Units	Description
BUTA	ppbV	1,3-Butadiene
ACCHO	ppbV	Acetaldehyde
BENZ	ppbV	Benzene
CCL4	ppbV	Carbon Tetrachloride
CBZ	ppbV	Chlorobenzene
CHCL3	ppbV	Chloroform
EBZ	ppbV	Ethyl Benzene
EDB	ppbV	Ethylene Dibromide
EDC	ppbV	Ethylene Dichloride
HCHO	ppbV	Formaldehyde
MDCB	ppbV	meta-Dichlorobenzene
MXYL	ppbV	meta-Xylene
MPXYL	ppbV	meta/para-Xylene
TCEA	ppbV	Methyl Chloroform
MEK	ppbV	Methyl Ethyl Ketone
MTBE	ppbV	Methyl Tertiary-Butyl Ether
DCM	ppbV	Methylene Chloride
ODCB	ppbV	ortho-Dichlorobenzene
OXYL	ppbV	ortho-Xylene
PDCB	ppbV	para-Dichlorobenzene
PXYL	ppbV	para-Xylene
PERC	ppbV	Perchloroethylene
STYR	ppbV	Styrene
TOLU	ppbV	Toluene
TCE	ppbV	Trichloroethylene

PARTICULATES

Variable	Units	Description
AL	ng/m3	Aluminum
SB	ng/m3	Antimony
AS	ng/m3	Arsenic
BA	ng/m3	Barium
BAP10	ng/m3	Benzo(a)pyrene
BBF10	ng/m3	Benzo(b)fluoranthene
BGP10	ng/m3	Benzo(g,h,i)perylene
BKF10	ng/m3	Benzo(k)fluoranthene
BE	ng/m3	Beryllium
BR	ng/m3	Bromine
CD	ng/m3	Cadmium
CA	ng/m3	Calcium
CL	ng/m3	Chlorine
CR	ng/m3	Chromium
CO	ng/m3	Cobalt
CU	ng/m3	Copper
DBA10	ng/m3	Dibenz(a,h)anthracene
CR6	ng/m3	Hexavalent Chromium
IDP10	ng/m3	Indeno(1,2,3-cd)pyrene
FE	ng/m3	Iron
PB	ng/m3	Lead

PARTICULATES

Variable	Units	Description
MN	ng/m3	Manganese
HG	ng/m3	Mercury
MO	ng/m3	Molybdenum
NI	ng/m3	Nickel
P	ng/m3	Phosphorus
K	ng/m3	Potassium
RB	ng/m3	Rubidium
SE	ng/m3	Selenium
SI	ng/m3	Silicon
SR	ng/m3	Strontium
S	ng/m3	Sulfur
SN	ng/m3	Tin
TI	ng/m3	Titanium
U	ng/m3	Uranium
V	ng/m3	Vanadium
Y	ng/m3	Yttrium
ZN	ng/m3	Zinc
ZR	ng/m3	Zirconium

CRITERIA POLLUTANTS

Variable	Units	Description
CODLYAVG	ppm	CO - Daily (24 hr.) average concentration
NOXDLYAV	ppm	NOx - Daily (24 hr.) average concentration
PM10	ug/m3	PM10 - Total Mass (24 hr. value from the High Volume Size Selective Inlet Sampler)

Appendix D

Miscellaneous Files

A number of miscellaneous data files are included on the CD. File descriptions for them are as follows:

COMPOUND - Information on Toxics Compounds

Field Name	Type	Width	Description
COMPOUND	Character	5	Compound Code
CMPND_NAME	Character	22	Compound Name
UNITS	Character	5	Units
HEADING	Character	20	Heading
DECIMALS_R	Character	1	Decimals Used in Reports

LOCATION - Information on Monitoring Locations

Field Name	Type	Width	Description
LOCATION	Character	4	Location Code
SITE	Numeric	4	ADAM Site Code
SITE_NAME	Character	40	Site Name
SHORT_NAME	Character	12	Short Name
AIRS_SITE	Character	9	AIRS Site ID Code
AQD_SITE	Character	7	AQD System Site ID Code
COUNTY	Numeric	2	County Code
COUNTYABBR	Character	3	County Abbreviation
COUNTYNAME	Character	15	County Name
BASIN	Character	3	Air Basin Code
BASIN_NAME	Character	22	Air Basin Name
DISTRICT	Character	3	AQMD or APCD District Code
DIST_NAME	Character	32	District Name
STATE	Character	2	State Code
MSA	Numeric	4	Metropolitan Statistical Area Code
MSA_NAME	Character	38	MSA Name
AQCR	Numeric	3	Air Quality Control Region
URBAN_AREA	Numeric	4	AIRS Urban Area Code
CITY	Numeric	5	AIRS City Code
ADDRESS	Character	60	Address
LAT_DEGREE	Numeric	2	Latitude - Degrees
LAT_MINUTE	Numeric	2	Latitude - Minutes
LAT_SECOND	Numeric	5	Latitude - Seconds
LATITUDE	Numeric	9	Latitude
LONGDEGREE	Numeric	4	Longitude - Degrees
LONGMINUTE	Numeric	2	Longitude - Minutes
LONGSECOND	Numeric	5	Longitude - Seconds
LONGITUDE	Numeric	11	Longitude
UTM_ZONE	Character	2	UTM Zone
UTM_NORTH	Numeric	9	UTM Northing Coordinate
UTM_EAST	Numeric	10	UTM Easting Coordinate
ELEVATION	Numeric	8	Elevation
SUMMARYLVL	Character	1	Summary Level Code (S,B,C,)

VARIABLE - Information on Variables

Field Name	Type	Width	Description
VARIABLE	Character	8	Variable Code
SHORT_DESC	Character	30	Short Description
UNITS	Character	5	Units
DESCRIPT	Character	70	Description
STORED_DEC	Numeric	1	Decimals as Stored
REPORT_DEC	Numeric	1	Decimals Used in Reports
BASIN_DATA	Logical	1	Basin Data Available (Yes/No)?
ON_CD	Logical	1	Data Included on CD (Yes/No)?
OBS_TABLE	Character	8	ADAM Observation Data Table
MEASURE_ID	Character	6	ADAM Measure ID
MEASURE_NO	Numeric	4	ADAM Measure Number
AIRS_PARAM	Character	5	AIRS Parameter Code
CAS_NUMBER	Character	20	CAS Number
MONTH_DATA	Logical	1	Monthly Data Available (Yes/No)?