MONITORING IN OZONE TRANSPORT CORRIDORS

Monthly Data Report
June 1, 1995 through June 30, 1995

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August 28, 1995

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Table of Contents

Page

1. Overview 1
2. Operations Summary 4
3. Quality Control (QC) and Quality Assurance (QA) Procedures 6
4. Field and File Formats 7
5. Hourly-Averaged Data 9

Figure 1 2

Table 1 7

Table 2 8

APPENDIX A Zero Precision Span Check Reports

APPENDIX B Multipoint Calibration Reports

APPENDIX C Data Quality Assurance (QA) Forms

1. Overview

The following is the first monthly data report from the monitoring network established as part of ARB Contract No. 94-316 entitled Monitoring in Ozone Transport Corridors. This report covers the data acquired over the period from the commencement of operations until June 30, 1995. Operations are expected to continue until October 31, 1995.

The network was designed to provide information to aid our understanding of the origin of high ozone concentrations in the Mojave Desert region and along the San Diego County coastline; focusing on the major transport corridors from the Los Angeles Basin. The project network is comprised of eight sites, seven of which are located in the Mojave Desert area. The eighth site is located on Catalina Island. Figure 1 is a map showing the locations of the sites. Four sites are placed at "elevated" locations which are intended to provide surrogate measurements of conditions aloft. The desert elevated sites are located on Quartzite Mtn., Shadow Mtn., and FlashII Mtn. The site on Catalina Island is at the Airport in the Sky which is also elevated. Two of the sites are located at the exit of passes leading into the desert from the South Coast Air Basin (Soledad Canyon and Cajon Pass), and the remaining two sites at Boron and Ludlow are situated as to monitor ozone transport from the San Joaquin Valley and from the eastern desert region, respectively. Ludlow, removed from any significant emission sources other than Highway 40, can serve as an indicator of downward transport of ozone to the surface from layers aloft.

Continuous measurements of ozone, ambient temperature, shelter temperature, wind direction, and wind speed are made at each site. The data are processed on-site and stored as six-minute and hourly averages. The site data systems are interfaced to modems, and the data is accessible for viewing or downloading via telephone.

Exceedances of both the State and federal standards were measured at all the sites in the project network except for Ludlow and FlashII Mtn. Although it was noted that the Mojave Desert AQMD site at Barstow had exceedances of the State's standard on June 28-29, Ludlow and FlashII Mtn. ozone concentrations remained quite low.

The Boron site experienced its only exceedances on June 12-13. Although the SE Palmdale ozone analyzer was inoperative on those days, the high levels at Boron are supported by the SCAQMD Lancaster data.

June 24 and 29 were both high ozone days in the Mojave Desert region but showed very different characteristics. On the 29th, the high ozone experience was widespread with nearly all the

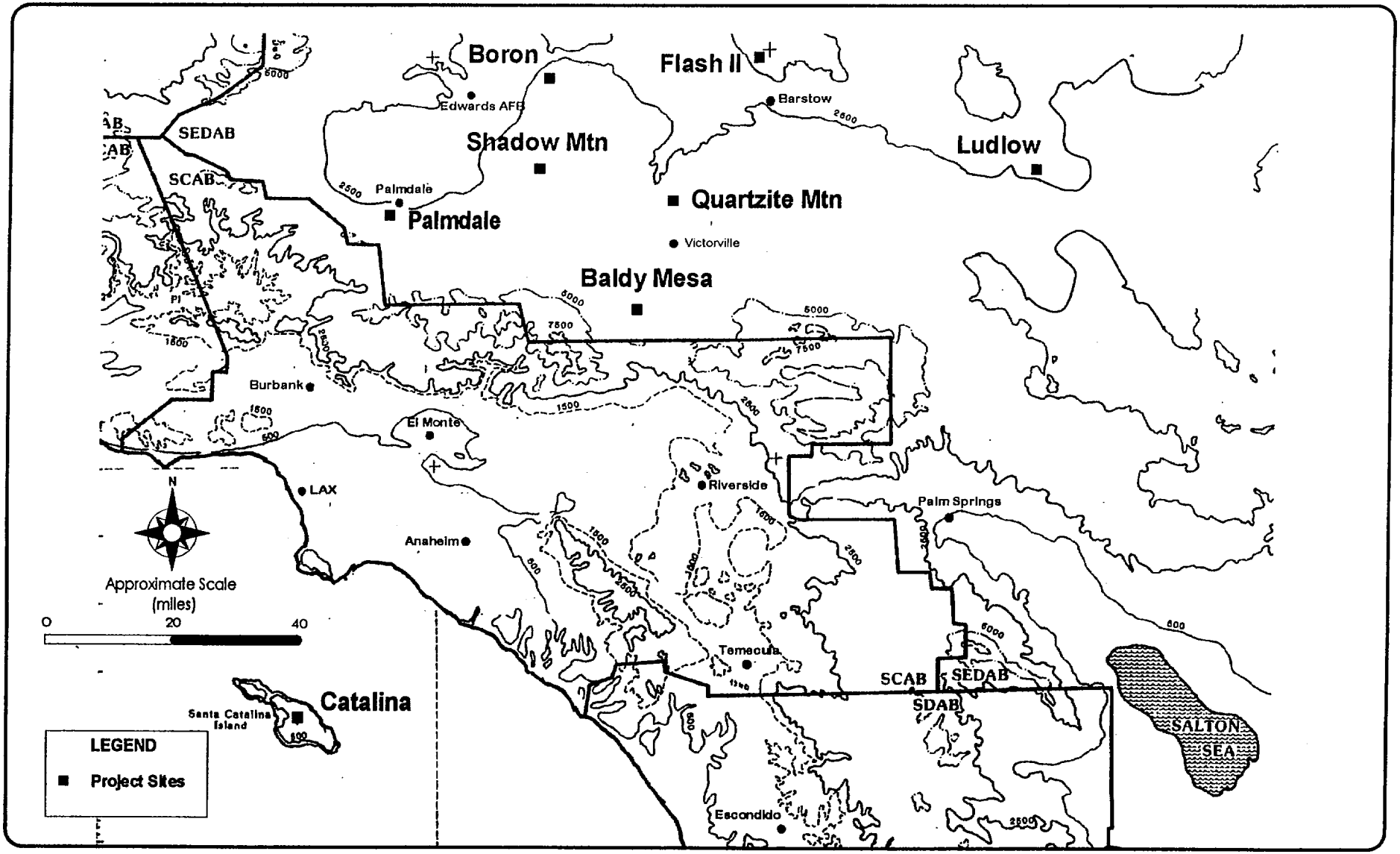

Fig. 1 Project Site Locations

local district and project sites exceeding the State's standard. Boron, Ludlow, and FlashII were the exceptions.

By contrast, on the 24th, Baldy Mesa, SE Palmdale, and Quartzite experienced a monthly maximum (18 pphm, 18 pphm, and 13 pphm, respectively). Hesperia and Lancaster, the only other desert sites that exceeded the standard, recorded only 11 pphm. It is noteworthy that Phelan and Victorville's daily maxima were only 9 pphm.

Catalina Island experienced exceedances of the State's standard on five consecutive days (June 20-24). There seems to be some meteorological support for these high concentrations showing in the winds at that site, but conditions should be investigated more thoroughly.

Overall, Baldy Mesa exceeded the State standard on 16% of the total operational hours and SE Palmdale on 12%. The remaining sites experienced significantly less ozone exposure.

A synopsis of operations during the reporting period is presented in Section 2. The quality control (QC) and quality assurance (QA) procedures that ensure the integrity of the data collected in this project are summarized in Section 3. The format of the data is shown in Section 4. The hourly-averaged data are given in Section 5. Calibration results and zero precision span (ZPS) check worksheets are given in the appendices.

2. Operations Summary

The activity at each site during the reporting period is summarized below.

Baldy Mesa - Site became operational June 3 after an initial delay getting electric service hooked up at the site, and subsequent county inspections. A multipoint calibration was performed on ozone June 7. A QA audit was conducted June 14 by the ARB/MLD. There were no reported problems. A zero precision span (ZPS) check was performed June 24.

Boron - Site came online June 1. Abnormally low ozone levels were detected during routine telephone interrogation and data QC. Sample line was found to be restricted, and the problem corrected on June 4. An ozone multipoint calibration was performed June 7, and a ZPS check June 15. A QA audit by the ARB/MLD was completed June 20 with no reported problems. A power outage occurred during a thunderstorm on June 25. Ogden personnel were on site performing a ZPS check when the outage occurred, and, as a result, there was only a minor disruption to monitoring.

Catalina Island - On June 8 the initial installation was completed. The monitoring and data logging equipment were operational but telephone communications were not established. When the site was visited for the initial multipoint calibration on June 12, it was found that the airport manager had shut down the system because of the instrument noise, and had failed to notify us. The ozone analyzer and data system were moved to another location at the request of the airport manager. An "as found" multipoint calibration was performed June 22. The measured ozone concentrations were found to be outside ARB specifications but, due to time constraints (airport closure time), the analyzer offset and span were not reset. On June 27 both "as-found" and final multipoint calibrations were performed on the analyzer. The ozone data acquired prior to the final multipoint calibration was adjusted to account for the "as-found" condition of the analyzer.

FlashII Mtn. - The site was operational on June 1. An ozone multipoint calibration was performed June 10. At the time, it was found that the wind direction/anemometer mounting boom had slipped in its bracket and was positioned upside down. It was determined from examining the wind direction data that the problem most likely occurred earlier the same day it was discovered. The wind data was invalidated during that period. The problem was corrected and additional mount supports were fabricated on site. ZPS checks were performed on June 18 and June 27. The audit by ARB/MLD personnel occurred June 20. The auditors did not report any problems.

Ludlow - The site was operational on June 1. Cellular communications were established with the site June 7. On June 10 an ozone multipoint calibration was conducted and, on June 15, a ZPS check performed. The site was audited by the ARB/MLD on June 19. No problems were reported by the auditors. Another ZPS check was performed June 27.

S.E. Palmdale - The site was operational on June 1. An ozone multipoint calibration was performed June 11. Soon after the audit was completed, the ozone analyzer began malfunctioning. The unit was replaced June 13, and a multipoint calibration conducted on the replacement unit. The broken analyzer (problem was diagnosed as a timing board malfunction) was sent out for repair. The ARB/MLD audit was performed on June 14. No problems were reported by the auditors. A ZPS check was performed June 25.

Quartzite Mtn. - The site was operational on June 1. Daily routine checking of the data disclosed suspect low ozone levels. The site was visited June 5, the inlet lines checked, and the flow rate adjusted. However, because the technician did not have a transfer standard at the time, a correction to the data prior to the flow adjustment could not be made with any certainty. Hence, that data were invalidated in the data base. The flow rate and inlet lines were checked again on June 7 because ozone levels still seemed artificially low. No problems were detected. Multipoint calibrations of ozone on June 11 showed that there was a negative offset (9 ppb) that was likely contributing to the low readings. For the remainder of the reporting period, the analyzer functioned adequately although noisier than has been our experience with other analyzers. The data measured prior to the calibration were adjusted based on the "as-found" slope and intercept. Another multipoint calibration on ozone was performed on June 14. The site was audited by the ARB/MLD on June 15. No problems were reported by the audit team. A ZPS check was performed on June 28.

Shadow Mtn. - The site was operational on June 1. Multipoint calibrations on the ozone analyzer were performed June 11 and 14. The site was subjected to a QA audit on June 15. No problems were reported by the audit team. A ZPS check was performed on June 28.

3. Quality Control (QC) and Quality Assurance (QA) Procedures

Quality control (QC) of the data begins with the standard operating procedures and documentation that have been implemented for this project, and the requirement that the field technicians be familiar with these procedures. Copies of the SOP and required documentation are kept at each site.

As part of the SOP, routine weekly visits are made to each site. During each visit the equipment and site facility are visually inspected, and zero precision span (ZPS) checks performed on the ozone analyzer. The ZPS check reports are shown in Appendix A.

The sites are interrogated daily via telephone, and the data reviewed by experienced personnel. If problems are suspected or data appears questionable, the Monitoring Task Manager is notified immediately. The Monitoring Task Manager, after reviewing the suspect problem(s), will deploy a technician to the site if required. In this manner, problems are discovered and resolved with minimum data loss.

Data are stored on-site in non-volatile memory modules as well as in the data logging systems. This redundancy allows the data to be recovered if a data system fails or if communications to the site are disrupted.

Data quality assurance (QA) is provided by a number of functions. Multipoint calibrations of the meteorological and ozone monitoring equipment were performed at the initiation of monitoring. Thereafter, monthly multipoint calibrations of the ozone analyzers, and trimester multipoint calibrations of the meteorological sensors are performed. The multipoint calibrations ensure that the equipment is operating within project requirements. The results of the multipoint calibrations are contained in Appendix B. Also, the desert sites were audited by personnel from the ARB/MLD lab. (Logistical problems precluded their auditing the Catalina Island site.)

The hourly-averaged data are reviewed by personnel experienced with the parameters being measured. The data are checked for internal consistency, and consistency with other sites -- both project sites and those operated by other agencies. Ozone consistency checks also include reasonableness with local and regional meteorological conditions.

Results of the data QA review are documented on standard forms. That documentation is included in Appendix C. QA codes identify the validity of each data field. If a measurement is missing or has been determined as invalid, the QA codes give an explanation. The QA codes used in the data base are defined in the following section.

4. Field and File Formats

Data from the reporting period (June) for each of the eight monitoring sites are contained in uniquely identified ASCII files. The file name template is SSMMMYY.HUR; where 'SS' is a two letter site ID assigned each monitoring station, 'MMM' is the common three letter abbreviation for month, and 'YY' is the last two digits of the year in which the data were collected. Each file has the extension '.HUR' indicating that the data within these files are the hourly averaged data.

Each file contains the following nine header records.

Header record 1 - Site Name
Header record 2 - Site Latitude
Header record 3 - Site Longitude
Header record 4 - Site Elevation
Header record 5 - Collection Year
Header record 6 - blank
Header record 7 - '----Channels----'
Header record 8 - Column headers
Header record 9 - blank

One data frame per hour follow the header records. The format of the data frames are described in Table 1.

Table 1. Record Format for Hourly Data

column #	parameter
1	julian day
2	time (PST)
channel #	
5	ozone (ppb)
6	ambient temperature (°C)
7	wind speed (mps)
8	wind direction
9	sigma theta
10	peak wind gust (mps)
11	data system voltage
12	shelter temperature (°C) (not recorded in June)

Data that has been invalidated or is missing has been replaced with one of the codes listed in Table 2. These codes indicate the reason the data were invalidated or the causes of missing data.

Table 2. Data Validation Codes

Indicator Value	Code in hardcopy	Code in file
BEGIN MONITORING	BM	-989
CALIBRATION	CA	-990
END MONITORING	EM	-991
INSTRUMENT MALFUNCTION	IM	-992
INTERFERENCE (ACTS OF NATURE)	IN	-993
MAINTENANCE/REPAIR	MT	-994
OPERATOR ERROR	OE	-995
PERFORMANCE AUDIT	PA	-996
SITE FAILURE	SF	-997
STATION CHECK	SC	-998
NO MONITORING	blank	-999

5. Hourly-Averaged Data

One table (page) for each data month for each parameter is contained in this section. In these tables, the data by hour is arranged in columns, and the data by day are arranged in rows. Tables showing hourly ozone concentrations, ambient temperature, scaler wind speed, peak wind gust, wind direction, and sigma-theta (computed) are included. The tables are ordered first by site, and next by parameter.

The reader is referred to Section 4 for an explanation of the data validation codes.

OZONE TRANSPORT CORRIDORS STUDY — T & B SYSTEMS, INC.

SITE NAME : Baldy Mesa — LATITUDE : 34 degrees 23 minutes 20 seconds — MONTH : June

ELEVATION : 4250 feet — LONGITUDE : 117 degrees 26 minutes 33 seconds — YEAR : 1995

PARAMETER : Ozone (parts per billion)

	HOUR (PST)																								
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	73	70	63	
4	54	53	51	48	42	37	40	45	50	55	61	73	83	94	93	95	101	106	105	104	128	118	109	95	128
5	83	76	62	72	88	90	91	90	88	96	105	101	98	100	97	59	51	55	53	56	55	55	55	54	105
6	53	55	52	49	48	46	45	52	54	53	53	50	54	77	95	101	90	83	71	61	48	47	47	46	101
7	43	39	37	38	38	38	36	35	41	[CA]	[CA]	31	35	38	48	50	47	39	35	32	27	26	25	23	
8	24	25	26	28	22	27	29	29	29	28	19	41	41	45	52	59	60	55	49	42	35	37	47	50	60
9	50	49	52	50	50	48	49	53	54	56	58	61	62	66	73	78	86	95	84	70	72	74	74	70	95
10	66	70	73	75	78	70	71	74	73	70	75	78	80	78	77	83	108	132	125	108	108	112	124	129	132
11	109	108	106	99	92	83	76	82	87	88	78	74	84	86	93	82	83	91	103	108	102	98	107	110	110
12	110	109	108	105	96	86	73	91	89	82	72	80	78	81	82	73	71	72	87	74	66	68	73	69	110
13	68	67	69	66	68	77	81	73	73	69	73	75	92	87	64	67	74	72	62	63	57	54	56	56	92
14	59	64	64	65	68	68	70	69	[PA]	[PA]	[PA]	78	77	83	88	74	64	61	60	58	53	49	47	28	
15	22	22	19	17	16	17	21	32	33	33	40	40	37	40	41	35	29	22	19	24	27	23	20	20	41
16	20	20	24	26	24	21	21	24	23	23	26	28	31	27	27	23	23	21	18	15	15	16	16	16	31
17	19	22	24	31	22	31	38	41	41	42	26	32	37	46	56	64	69	74	67	63	63	67	66	65	74
18	55	49	49	46	44	41	42	41	47	53	55	60	61	66	70	65	77	80	71	83	72	74	62	60	83
19	68	71	78	68	45	49	40	57	54	56	62	79	86	101	96	107	106	101	98	81	69	62	65	56	107
20	53	51	48	54	55	56	62	62	62	69	66	76	89	100	112	115	108	115	114	89	72	80	87	76	115
21	58	52	51	51	53	53	47	54	54	52	53	59	70	79	83	75	80	95	98	98	87	94	81	66	98
22	51	54	54	53	39	38	41	54	59	60	62	63	73	76	79	79	85	83	89	114	106	98	94	81	114
23	73	74	76	75	72	73	72	78	74	68	62	63	73	72	71	66	61	90	116	136	113	96	76	72	136
24	74	70	65	63	61	61	58	66	65	64	61	51	63	76	70	61	59	99	180	182	124	[SC]	[SC]	72	
25	64	62	65	57	58	63	60	64	63	67	73	65	60	78	106	110	114	129	133	134	143	135	93	73	143
26	87	71	69	62	61	54	49	61	62	59	81	103	116	126	139	120	112	110	114	116	105	104	102	100	139
27	97	97	91	93	91	85	80	74	76	77	77	63	51	60	62	78	76	73	78	69	60	56	49	50	97
28	62	74	72	74	80	76	67	63	59	53	57	60	44	44	44	50	105	113	86	68	80	63	74	72	113
29	65	64	62	55	51	49	52	53	52	54	57	61	70	93	136	149	137	137	125	117	112	103	114	123	149
30	110	100	92	91	86	84	79	78	69	70	73	88	99	107	108	81	64	60	61	57	62	59	60	46	110
AVG.	63	62	61	60	57	56	55	59	59	60	61	64	68	75	80	78	79	84	85	82	76	72	70	66	

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Boron
ELEVATION : 2460 feet
PARAMETER : Ozone (parts per billion)

LATITUDE : 35 degrees 01 minutes 00 seconds
LONGITUDE : 117 degrees 39 minutes 00 seconds

T & B SYSTEMS, INC.
MONTH : June
YEAR : 1995

	HOUR (PST)																								
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
2	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
3	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
4	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	45	50	58	58	59	64	61	61	62	70	80	81	76	73	69	58	49	
5	54	50	49	40	37	35	37	42	42	43	40	40	39	41	46	53	58	60	57	57	56	56	54	49	60
6	49	49	49	45	44	44	46	52	55	54	52	53	54	53	57	56	56	56	53	47	48	49	40	33	57
7	32	31	32	30	26	33	32	34	38	39	41	42	42	44	51	[CA]	[CA]	[CA]	40	39	33	32	33	31	
8	29	31	29	27	26	27	32	36	41	46	48	47	48	49	50	54	60	60	56	53	51	51	51	51	60
9	49	49	49	47	34	28	44	51	55	57	58	62	65	65	66	66	68	63	63	71	67	61	63	62	71
10	64	61	27	7	6	9	40	56	59	69	76	74	70	67	66	67	67	70	68	78	81	78	81	79	81
11	79	80	78	56	32	43	59	73	79	80	78	68	53	51	67	57	63	69	59	54	52	46	41	29	80
12	35	18	8	10	25	33	60	63	64	67	67	46	46	56	59	71	89	132	142	116	90	71	72	76	142
13	75	75	75	72	70	66	69	69	68	62	65	68	71	81	87	105	124	112	97	91	90	84	83	80	124
14	77	76	68	71	65	57	65	72	74	70	69	73	79	83	95	91	80	90	91	83	76	68	61	56	95
15	58	62	56	54	50	40	42	47	50	48	47	46	47	49	43	42	36	29	[SC]	28	31	29	27	22	
16	24	28	29	27	27	26	27	30	33	33	35	32	35	34	35	39	38	41	36	22	13	6	2	2	41
17	26	32	31	30	16	14	29	40	42	43	45	49	51	55	58	58	60	61	61	61	51	52	53	48	61
18	45	47	47	42	22	28	45	50	55	57	54	48	47	50	51	59	68	58	56	57	57	57	56	51	68
19	54	48	40	38	36	37	39	42	52	58	59	60	63	59	62	61	63	62	63	53	53	53	49	49	63
20	49	50	49	47	47	45	45	48	52	59	61	61	[PA]	[PA]	[PA]	68	68	68	66	63	58	56	56	55	
21	54	54	33	5	4	6	28	43	49	51	50	51	53	57	58	60	62	64	66	57	57	58	57	55	66
22	53	52	25	3	4	9	34	52	59	63	59	54	53	53	55	55	56	56	60	76	77	78	77	70	78
23	75	71	76	58	20	16	49	63	71	70	65	55	52	51	53	53	53	48	46	39	75	81	83	82	83
24	83	73	54	44	22	12	53	68	74	76	60	57	55	60	61	62	61	58	52	60	72	72	75	73	83
25	76	79	73	72	68	40	59	79	72	69	65	56	49	[SC]	[SC]	48	48	46	65	62	64	71	73	74	
26	66	61	71	69	59	49	69	70	66	57	55	53	51	50	52	63	59	52	48	44	64	67	85	89	89
27	84	91	85	76	72	48	60	88	93	94	91	80	80	79	75	75	67	62	62	72	81	[IM]	77	64	
28	55	56	50	49	46	54	59	66	75	75	58	53	39	40	48	50	64	71	45	42	39	46	46	35	75
29	17	19	7	2	1	10	41	63	70	81	84	71	65	68	65	70	93	90	83	65	70	73	68	62	93
30	55	59	58	49	44	48	54	56	58	62	61	62	58	53	49	57	61	65	73	90	91	81	73	68	91
AVG.	54	54	48	41	35	33	47	55	59	61	59	56	55	56	59	62	65	66	65	61	62	59	59	55	

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Catalina Airport

ELEVATION : 1602 feet

PARAMETER : Ozone (parts per billion)

LATITUDE : 33 degrees 24 minutes 00 seconds

LONGITUDE : 118 degrees 24 minutes 30 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

DATE	HOUR (PST) 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
4	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
5	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
6	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
7	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
8	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
9	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
10	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
11	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
12	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
13	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
14	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
15	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	36	33	32	33	
16	32	33	32	33	33	34	34	34	34	35	34	36	37	35	34	33	34	33	34	34	34	35	34	36	37
17	37	37	37	35	35	32	31	31	34	36	39	45	43	44	44	44	45	46	45	47	45	47	52	49	52
18	47	47	50	53	51	51	46	40	38	41	43	46	44	45	46	52	52	43	49	55	53	52	50	48	55
19	45	47	47	45	45	44	43	39	35	37	39	41	43	41	43	55	63	62	66	71	84	97	88	92	97
20	79	88	78	60	65	58	57	47	39	43	48	51	51	71	70	57	56	71	84	113	105	80	76	71	113
21	69	93	97	91	93	75	53	52	53	59	61	61	62	63	62	65	66	63	70	78	76	74	83	82	97
22	72	72	59	57	56	52	44	48	53	58	57	58	61	[CA]	[CA]	[CA]	[CA]	[CA]	[CA]	[CA]	105	90	88	86	
23	83	82	83	88	83	84	89	101	86	92	68	91	131	122	113	74	72	69	73	78	83	90	107	92	131
24	88	88	87	85	86	84	75	46	48	53	56	75	110	122	136	166	177	215	198	184	175	171	109	62	215
25	48	38	47	49	50	45	36	35	40	41	44	42	39	36	34	33	35	41	35	35	32	33	35	46	50
26	47	44	43	45	45	48	48	51	48	51	52	53	53	51	48	45	42	39	43	46	43	46	48	53	53
27	54	54	51	50	47	44	45	45	47	49	52	53	52	[CA]	[CA]	[CA]	39	42	47	78	62	48	84	46	
28	41	61	67	57	59	65	58	59	59	61	62	60	57	52	49	48	45	43	43	43	48	50	47	48	67
29	46	43	45	49	49	47	48	51	54	56	59	60	60	56	52	51	47	47	75	74	39	39	39	41	75
30	45	45	37	38	47	36	33	31	38	43	43	42	41	41	47	49	47	42	43	42	42	41	40	40	49
AVG.	56	58	57	56	56	53	49	47	47	50	51	54	59	60	60	60	59	61	64	70	66	64	63	58	

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Flash II Mountain
ELEVATION : 3325 feet
PARAMETER : Ozone (parts per billion)

LATITUDE : 34 degrees 58 minutes 15 seconds
LONGITUDE : 117 degrees 02 minutes 22 seconds

T & B SYSTEMS, INC.
MONTH : June
YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	63	64	79	82	82	78	80	76	72	72	65	73	56	34	29	26	42	62	57	47	46	47	45	45	82
2	39	30	30	33	32	32	36	40	32	42	42	46	42	42	41	40	41	43	43	38	40	38	37	35	46
3	33	30	26	23	20	22	28	31	37	40	38	32	29	30	30	30	30	30	33	28	29	29	26	26	40
4	24	25	24	20	16	18	19	22	29	35	36	35	39	49	48	48	48	50	57	62	55	51	55	50	62
5	44	40	33	30	31	24	25	29	32	34	36	32	32	35	36	39	44	49	48	48	49	48	49	48	49
6	42	38	36	34	32	33	32	33	41	46	46	46	42	46	46	45	50	48	50	44	39	41	39	31	50
7	31	30	27	24	21	20	19	20	22	26	32	36	39	41	42	40	42	33	34	32	29	28	24	25	42
8	21	18	9	9	10	13	15	23	34	35	25	24	22	22	22	24	24	25	28	25	24	20	22	18	35
9	17	21	23	21	20	20	20	30	28	35	39	48	48	42	44	40	47	46	43	40	40	37	37	37	48
10	36	39	40	37	31	35	41	42	45	46	46	44	43	41	38	36	39	[CA]	[CA]	[CA]	54	67	67	60	
11	59	53	52	58	57	58	57	49	56	63	65	61	55	53	62	67	66	65	57	61	55	44	44	50	67
12	44	48	45	43	42	42	47	42	40	46	37	34	37	39	47	48	62	71	74	81	80	68	70	74	81
13	70	70	67	65	64	64	65	65	62	62	60	48	44	47	51	71	71	79	85	79	72	66	63	62	85
14	65	63	67	64	63	65	63	65	67	62	63	72	69	69	69	71	65	60	54	59	51	65	58	52	72
15	50	50	48	47	47	48	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
16	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
17	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
18	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[MT]	[MT]	[MT]	[MT]	[MT]	[SC]	[SC]	65	66	41	56	57	53	
19	51	49	46	38	38	37	41	49	58	64	62	38	40	60	62	61	58	53	55	53	49	49	46	42	64
20	41	40	40	37	33	34	38	39	[PA]	[PA]	45	37	48	46	44	50	49	48	48	48	48	46	44	41	
21	42	41	43	44	46	44	44	44	41	38	34	34	38	41	44	46	46	42	43	44	49	47	44	46	49
22	44	42	42	44	43	44	43	47	47	47	42	37	38	38	39	39	40	39	36	35	40	62	58	58	62
23	57	59	57	58	59	60	61	62	60	57	44	42	32	31	29	30	29	31	26	24	26	27	54	62	62
24	63	63	62	62	62	59	56	59	28	32	19	14	15	19	15	29	29	30	27	29	25	41	53	58	63
25	72	65	63	64	61	59	58	58	58	55	47	39	39	41	40	41	33	37	41	43	41	44	51	54	72
26	53	50	53	58	59	58	63	62	58	44	37	41	42	46	50	48	42	35	27	28	27	21	38	48	63
27	43	51	53	57	60	58	58	61	65	70	54	47	51	68	[SC]	[SC]	57	78	65	58	56	52	33	23	
28	23	28	23	21	28	33	32	34	40	50	51	32	19	18	14	32	28	54	55	75	74	36	21	36	75
29	36	30	25	23	20	26	23	27	30	40	42	40	35	35	36	37	36	48	77	69	60	52	49	51	77
30	48	42	37	38	34	32	32	34	38	43	45	38	32	22	16	24	30	47	35	47	46	42	44	49	49
AVG.	45	44	43	42	41	41	42	44	45	47	44	41	39	41	40	43	44	48	49	49	46	45	45	46	

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Ludlow

ELEVATION : 1782 feet

PARAMETER : Ozone (parts per billion)

LATITUDE : 34 degrees 42 minutes 36 seconds

LONGITUDE : 116 degrees 09 minutes 15 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	63	65	47	51	56	62	69	74	82	69	58	55	59	55	51	51	51	52	59	66	62	62	53	45	82
2	46	48	44	43	44	45	49	53	58	61	63	61	62	62	60	58	55	55	52	44	41	40	38	37	63
3	42	42	44	42	38	[SF]	39	50	53	54	51	50	52	54	56	54	49	50	39	18	46	45	46	37	
4	39	35	32	24	28	30	39	47	50	55	61	63	62	66	66	65	66	70	72	58	61	56	48	57	72
5	51	51	44	28	36	33	48	53	57	57	58	56	56	55	56	55	51	54	62	53	53	54	49	50	62
6	46	48	45	41	44	46	47	50	54	55	57	58	57	53	50	53	57	53	52	53	49	46	46	43	58
7	41	38	41	34	32	33	34	37	38	39	43	44	43	44	41	45	47	47	45	44	36	23	18	25	47
8	24	25	25	27	28	31	33	37	38	40	42	44	46	48	52	52	50	47	40	18	11	43	30	33	52
9	33	30	36	25	22	28	34	46	53	61	63	63	63	62	65	65	65	59	47	33	38	41	41	36	65
10	34	37	45	43	42	46	48	60	68	68	65	63	[CA]	[CA]	54	56	55	51	43	27	30	33	38	42	
11	41	39	49	46	47	53	55	62	67	75	78	72	69	67	65	65	63	62	61	59	54	50	63	51	78
12	41	47	33	33	42	51	53	62	69	77	82	83	78	73	69	68	74	78	87	72	42	61	58	43	87
13	25	24	20	30	51	45	45	51	70	74	78	78	80	78	71	67	60	67	78	70	67	56	58	60	80
14	62	23	28	38	34	42	48	67	72	77	78	77	72	66	64	65	82	89	80	65	51	49	42	42	89
15	48	49	45	43	44	37	34	40	51	54	58	57	[SC]	50	29	33	30	26	25	20	20	20	23	25	
16	25	24	22	22	21	20	23	23	26	32	34	35	33	32	30	29	29	32	26	19	11	8	9	10	35
17	7	1	2	5	12	20	24	29	35	39	43	45	49	49	50	49	50	49	42	19	30	31	35	45	50
18	27	36	35	29	28	29	34	42	52	56	59	60	58	59	59	58	60	59	58	53	45	46	40	33	60
19	41	47	40	40	43	46	48	51	54	58	61	65	67	68	69	[PA]	[PA]	[PA]	58	55	61	67	64	52	
20	51	35	34	37	24	29	43	49	53	54	60	67	69	72	69	67	63	61	53	50	46	49	50	49	72
21	45	44	41	33	33	30	37	37	38	41	43	46	50	57	56	56	52	49	46	24	18	24	43	42	57
22	38	37	37	31	28	33	40	45	46	43	48	53	58	58	60	58	57	53	43	20	32	35	35	33	60
23	42	46	53	54	42	52	56	61	66	63	58	55	49	47	47	48	44	43	35	10	25	29	30	32	66
24	26	20	47	35	42	25	47	52	51	43	43	42	42	42	42	43	43	39	33	13	21	26	30	10	52
25	10	29	22	22	23	40	51	56	59	54	50	49	43	44	44	42	40	36	28	16	5	17	36	34	59
26	37	46	38	20	35	33	44	57	57	62	65	59	58	57	51	55	61	64	58	49	37	32	18	26	65
27	22	25	38	48	44	41	58	[SC]	[SC]	[SC]	80	74	59	53	52	55	57	50	61	56	46	48	39	36	
28	34	29	14	11	14	23	37	41	54	61	62	56	58	51	50	47	30	29	29	10	16	20	30	43	62
29	28	30	31	20	21	26	30	39	49	53	57	60	56	50	48	54	56	55	56	58	73	60	52	36	73
30	51	53	44	40	34	25	34	46	55	61	66	67	66	57	56	52	47	41	45	48	30	14	13	11	67
AVG.	37	37	36	33	34	36	43	49	54	56	59	59	58	56	54	54	53	52	50	40	39	39	39	37	

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Palmdale
ELEVATION : 2760 feet
PARAMETER : Ozone (parts per billion)

LATITUDE : 34 degrees 33 minutes 26 seconds
LONGITUDE : 118 degrees 06 minutes 46 seconds

T & B SYSTEMS, INC.
MONTH : June
YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	108	98	86	68	70	54	72	58	64	66	81	90	82	79	67	63	66	54	63	60	68	65	54	45	108
2	50	55	58	53	56	55	57	57	53	52	50	60	59	65	68	70	68	64	59	58	57	54	56	52	70
3	46	50	52	51	48	42	50	61	63	67	70	73	79	87	90	88	86	87	78	79	60	63	52	51	90
4	40	44	43	39	33	46	56	67	67	72	78	77	77	89	108	105	111	97	71	80	82	78	77	70	111
5	70	53	51	46	25	30	46	52	54	55	48	45	45	50	46	60	64	64	64	65	64	60	64	63	70
6	60	58	50	40	28	34	47	53	56	61	59	55	55	57	56	57	60	57	57	57	57	54	52	47	61
7	44	42	38	23	10	21	36	42	43	44	47	53	57	61	66	57	52	52	52	49	41	42	35	40	66
8	32	30	30	23	24	29	35	40	43	50	56	63	64	71	70	77	79	73	65	64	67	68	63	63	79
9	59	62	58	52	24	17	37	59	66	69	77	78	80	80	78	103	113	103	96	96	71	79	83	71	113
10	66	45	57	45	33	38	56	83	91	92	96	97	98	100	105	112	142	138	114	108	101	86	52	43	142
11	55	62	68	69	59	57	65	77	91	98	103	96	84	114	139	[CA]	[CA]	[CA]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
12	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
13	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[CA]	[CA]	86	84	76	79	81	
14	80	80	80	67	54	62	71	77	73	72	77	[PA]	[PA]	[PA]	[PA]	78	79	77	73	66	65	65	60	63	
15	71	72	65	44	38	41	40	40	40	41	45	46	42	43	44	39	32	33	34	31	29	29	34	27	72
16	29	31	26	25	26	24	28	32	35	34	33	32	33	34	34	36	36	37	34	35	37	37	28	31	37
17	29	27	31	26	17	23	41	47	49	52	52	53	60	65	74	81	85	85	74	62	63	59	42	45	85
18	47	44	39	37	30	38	52	56	59	58	60	48	52	65	85	94	88	96	81	58	56	38	47	49	96
19	43	44	36	24	12	10	26	44	51	66	67	69	74	95	117	128	125	121	105	86	68	57	45	46	128
20	51	41	35	30	19	14	28	44	52	58	60	66	67	69	70	76	88	83	69	55	51	42	28	26	88
21	33	41	37	29	17	11	43	51	58	58	59	62	64	67	71	84	124	127	112	101	71	69	52	33	127
22	37	45	38	30	15	9	36	66	69	76	76	73	72	77	84	116	128	123	123	111	103	80	63	71	128
23	48	48	54	29	8	11	40	78	83	83	83	73	65	63	60	57	101	132	127	114	79	61	53	52	132
24	53	51	51	37	14	16	47	75	80	79	81	76	66	62	62	65	133	181	142	132	91	83	66	74	181
25	61	47	43	44	43	39	49	81	88	[SC]	77	70	67	69	101	112	89	97	73	78	81	78	70	69	
26	67	49	47	33	11	12	26	58	77	81	81	80	99	107	118	120	114	109	116	124	118	110	95	84	124
27	91	94	86	63	61	80	83	84	87	88	84	95	122	124	110	108	105	94	85	93	85	68	68	65	124
28	76	70	63	57	48	33	47	50	46	43	49	64	73	85	94	121	105	83	62	55	58	51	43	49	121
29	47	56	65	59	51	60	69	72	69	76	79	89	104	107	125	149	139	126	98	90	88	80	83	79	149
30	78	65	59	52	47	48	53	60	62	64	58	73	83	77	80	76	70	86	103	86	69	63	56	52	103
AVG.	56	54	52	43	33	34	48	59	63	65	67	69	71	76	82	86	92	92	83	78	70	64	57	55	

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Quartzite Mountain

ELEVATION : 4482 feet

PARAMETER : Ozone (parts per billion)

LATITUDE : 34 degrees 36 minutes 38 seconds

LONGITUDE : 117 degrees 17 minutes 20 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
2	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
3	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
4	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
5	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	52	53	[IM]	[IM]	
6	[IM]	[IM]	[IM]	[IM]	40	38	34	39	44	47	47	46	43	47	50	48	44	42	48	47	44	44	44	41	
7	39	39	36	28	[IM]	31	27	29	30	32	35	34	38	38	38	46	44	43	35	30	25	23	25	25	
8	23	21	22	26	27	30	31	25	34	36	36	36	38	38	37	42	45	39	44	50	42	47	45	42	50
9	44	48	48	48	46	46	38	34	34	46	53	56	61	63	56	57	61	58	60	65	66	71	66	45	71
10	59	66	65	64	62	65	64	63	62	66	72	76	82	83	81	80	78	69	70	85	93	89	67	81	93
11	77	72	58	76	73	70	[CA]	[CA]	[CA]	[CA]	84	78	84	72	83	94	92	86	91	89	78	79	82	84	
12	89	90	88	89	87	87	88	83	75	84	77	78	88	93	88	85	78	92	96	86	79	92	86	69	96
13	64	64	63	65	63	65	67	67	64	62	58	64	73	72	76	70	79	88	78	69	63	55	64	67	88
14	69	64	65	68	69	65	69	70	64	71	77	[CA]	81	86	88	94	79	67	57	56	51	52	50	54	
15	51	50	44	43	41	27	28	33	36	[PA]	[PA]	[PA]	44	48	40	35	28	24	21	21	25	29	26	22	
16	22	15	18	16	21	25	23	26	27	26	30	31	23	25	23	23	21	[SF]	[SF]	[SF]	[SF]	[SF]	[SF]	[SF]	
17	[SF]	[SF]	[SF]	[SF]	[SF]	26	31	31	31	31	31	40	44	47	51	53	57	61	65	60	45	47	40	52	
18	49	46	35	48	51	50	48	53	53	52	50	40	53	58	66	77	76	80	77	76	48	39	51	31	80
19	23	27	38	37	35	34	44	47	41	46	57	66	82	92	101	111	107	108	85	63	51	42	38	33	111
20	33	37	24	38	37	45	45	34	47	52	54	57	63	64	66	65	66	63	66	58	60	54	36	34	66
21	38	43	46	48	56	59	56	50	48	46	54	56	56	57	59	68	69	59	57	65	65	67	66	52	69
22	19	55	58	57	57	58	61	55	61	57	59	62	63	66	68	67	69	65	70	98	112	103	92	81	112
23	90	80	82	82	78	78	82	78	77	78	70	66	63	58	58	57	58	57	54	52	77	98	92	86	98
24	85	78	76	79	77	76	75	80	73	71	75	65	52	55	55	54	57	60	65	63	132	121	103	86	132
25	62	74	74	62	60	72	73	76	72	71	68	61	66	64	70	66	63	62	82	79	76	78	75	58	82
26	54	65	62	65	50	60	73	65	58	61	58	65	70	66	63	75	88	91	72	76	77	81	83	88	91
27	89	82	80	81	80	80	76	75	81	81	78	72	61	61	75	86	89	89	94	99	88	72	59	56	99
28	62	72	67	55	50	48	53	[SC]	[SC]	[SC]	[SC]	32	46	48	55	58	78	106	111	91	106	111	92	71	
29	53	39	38	38	40	44	44	45	43	44	50	51	57	63	61	69	113	119	114	102	83	80	80	71	119
30	70	57	51	48	56	57	12	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	
AVG.	55	56	54	55	55	53	52	53	53	55	58	56	60	61	63	66	68	71	70	69	68	68	64	58	

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Shadow Mountain
ELEVATION : 4120 feet
PARAMETER : Ozone (parts per billion)

LATITUDE : 34 degrees 44 minutes 15 seconds
LONGITUDE : 117 degrees 33 minutes 54 seconds

T & B SYSTEMS, INC.
MONTH : June
YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	90	87	84	84	79	68	67	69	74	80	83	86	83	73	73	66	58	65	59	59	53	54	58	50	90
2	42	43	46	47	47	47	48	50	55	59	58	61	63	63	63	64	66	63	59	56	55	53	54	53	66
3	51	50	48	48	49	50	54	56	57	56	54	55	55	55	55	61	64	59	61	58	58	52	51	51	64
4	51	52	53	53	53	55	57	57	60	63	63	66	68	66	71	75	76	74	83	82	84	83	77	68	84
5	55	55	48	47	45	42	48	46	50	51	49	49	49	48	48	53	65	63	57	60	62	59	59	52	65
6	51	51	48	49	49	53	55	58	59	64	67	66	56	57	55	61	54	55	57	51	50	48	48	44	67
7	41	38	36	34	34	34	33	36	38	40	41	42	43	48	55	58	53	46	43	41	40	36	35	34	58
8	33	29	30	29	27	31	34	39	41	44	47	48	48	48	50	53	57	56	62	58	55	53	53	54	62
9	54	54	53	52	53	52	52	54	56	59	60	60	62	63	66	67	67	67	68	80	77	75	78	75	80
10	74	73	72	72	69	70	71	70	73	74	75	73	72	73	72	70	71	73	75	95	97	86	84	85	97
11	86	86	86	82	79	78	77	77	80	79	81	66	[CA]	[CA]	73	79	98	115	111	94	85	81	77	71	
12	54	50	56	64	67	62	68	72	69	49	48	51	64	66	85	120	112	98	93	103	68	69	68	70	120
13	76	78	77	78	74	71	72	61	56	55	55	49	55	83	94	93	90	98	97	83	78	71	71	73	98
14	71	71	72	70	72	67	60	59	62	67	72	76	80	80	77	75	[CA]	[CA]	67	65	57	66	65	63	
15	61	60	61	58	55	47	43	36	33	34	35	33	37	40	[PA]	[PA]	[PA]	26	23	25	25	27	25	25	
16	23	21	26	25	24	22	24	24	30	30	29	27	28	30	30	30	30	30	30	21	23	24	28	30	30
17	30	29	31	32	34	36	37	37	40	45	44	45	48	52	53	57	58	60	60	55	53	51	50	48	60
18	45	45	47	48	51	54	54	55	51	50	44	37	42	53	52	58	69	81	76	61	57	60	58	55	81
19	52	40	35	33	34	37	39	44	50	54	59	62	62	66	68	72	77	78	65	58	55	52	49	48	78
20	48	48	45	43	42	41	40	43	49	53	55	57	58	59	61	62	64	65	63	62	58	54	54	55	65
21	55	55	55	55	56	53	51	51	48	46	45	48	52	53	54	55	55	59	66	67	65	61	59	56	67
22	58	58	58	58	61	63	63	63	64	59	56	54	53	53	54	55	56	56	63	114	93	86	87	84	114
23	81	83	81	77	78	78	75	76	73	64	59	55	50	53	53	54	54	53	51	75	105	86	92	91	105
24	85	83	78	75	77	78	75	73	69	60	61	62	63	55	54	58	59	59	59	83	96	97	91	91	97
25	85	81	78	72	73	77	79	82	72	70	67	61	51	50	52	53	56	73	71	68	72	80	82	81	85
26	81	79	74	69	69	68	69	72	63	54	49	49	55	59	56	55	67	62	54	88	93	75	76	78	93
27	84	90	87	82	82	83	80	83	84	83	78	74	71	56	89	108	92	94	87	73	63	60	62	61	108
28	54	49	50	47	50	55	61	64	48	42	36	34	36	45	54	38	33	[SC]	[SC]	52	46	43	43	49	
29	48	46	44	46	49	48	51	52	54	64	69	61	82	81	79	91	104	104	100	91	79	76	72	63	104
30	60	58	56	51	50	52	53	54	56	57	54	44	38	40	51	52	51	53	56	54	78	72	60	53	78
AVG.	59	58	57	56	56	56	56	57	57	57	56	55	56	58	62	65	66	67	66	68	66	63	62	60	

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Baldy Mesa

ELEVATION : 4250 feet

PARAMETER : Outside Temperature (Degrees C)

LATITUDE : 34 degrees 23 minutes 20 seconds

LONGITUDE : 117 degrees 26 minutes 33 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

	HOUR (PST)																									
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.	MIN.
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[CA]	[CA]	[CA]	17.3	16.3	16.3	14.9	13.1	11.9	12.9	14.2	13.9	15.7		
4	17.7	18.3	17.6	16.3	15.6	16.0	18.5	20.2	22.0	24.1	25.0	24.0	23.9	24.4	24.8	24.6	23.8	22.1	19.4	18.0	16.4	16.2	16.0	17.0	25.0	15.6
5	16.7	15.4	15.0	15.4	14.2	14.6	15.0	15.7	16.7	17.2	17.6	17.6	17.7	18.5	18.6	18.6	18.0	16.5	15.3	15.5	16.0	16.4	13.5	10.9	18.6	10.9
6	10.8	11.2	9.9	8.1	7.9	8.3	10.3	13.2	15.2	16.3	17.1	19.5	20.0	20.2	19.7	18.7	17.3	15.3	13.3	11.9	10.8	10.0	9.4	8.7	20.2	7.9
7	7.8	7.2	6.4	6.4	6.7	7.7	8.5	8.3	9.0	9.5	9.6	9.7	9.3	8.8	10.1	10.1	9.5	9.0	8.4	8.5	7.6	5.9	5.4	5.2	10.1	5.2
8	4.4	4.0	3.8	3.3	3.1	3.8	4.6	7.1	9.6	11.1	12.2	12.7	13.8	14.9	15.2	15.9	15.1	13.5	11.6	9.9	9.2	8.9	9.5	9.8	15.9	3.1
9	10.2	10.1	12.7	12.3	12.3	12.5	13.9	15.2	16.5	17.8	19.2	20.2	20.7	21.4	22.1	21.9	21.5	20.1	18.4	16.9	16.1	16.2	16.6	16.2	22.1	10.1
10	15.8	15.5	15.3	15.3	15.0	15.9	17.3	19.7	21.4	22.6	23.8	24.5	25.5	26.7	27.4	27.9	27.3	24.9	22.4	20.8	20.3	20.7	21.0	22.2	27.9	15.0
11	21.3	19.9	19.4	18.9	18.6	19.1	20.9	22.8	24.9	27.2	28.4	28.8	28.9	29.2	29.4	29.3	28.9	27.8	26.3	24.1	23.2	22.4	21.3	20.7	29.4	18.6
12	20.8	20.9	21.3	21.7	22.6	22.1	24.8	25.4	25.8	26.9	28.3	28.9	29.1	28.8	28.8	28.9	28.4	27.2	25.4	23.1	21.5	21.0	20.3	20.5	29.1	20.3
13	20.1	20.0	19.7	19.6	19.5	19.7	20.3	21.9	23.4	24.8	25.2	25.9	26.4	26.8	26.8	26.7	25.1	23.6	22.2	20.2	18.7	17.9	17.9	17.9	26.8	17.9
14	17.7	17.4	17.0	16.5	16.2	16.1	16.7	17.8	[PA]	[PA]	[PA]	20.6	21.1	21.1	20.9	19.9	19.5	19.0	17.5	16.1	14.4	13.2	12.2	10.6		
15	9.6	9.4	9.4	9.1	8.6	8.4	8.4	9.4	10.1	9.3	9.6	9.2	8.7	9.5	10.3	9.2	9.0	9.4	9.1	8.9	8.3	7.4	7.1	7.1	10.3	7.1
16	6.7	6.1	5.3	4.5	3.4	3.5	4.6	5.5	5.6	5.4	5.7	4.3	5.0	4.9	5.6	5.6	5.8	6.3	6.0	5.7	5.7	5.5	5.2	4.9	6.7	3.4
17	4.6	4.9	5.3	5.8	5.1	6.7	9.1	11.1	12.0	13.3	12.9	13.4	14.1	14.8	15.2	15.3	14.7	13.9	12.5	11.3	10.5	10.7	10.8	12.7	15.3	4.6
18	12.8	12.1	11.5	11.2	11.4	12.1	13.5	15.1	17.7	19.5	20.2	20.5	20.8	21.2	21.3	21.1	20.7	19.9	18.6	16.4	15.4	14.4	13.4	13.1	21.3	11.2
19	12.9	13.0	12.9	10.9	11.0	11.9	14.3	15.6	16.9	18.1	18.7	19.3	19.9	20.5	20.5	20.6	20.6	19.6	18.5	17.1	15.6	14.6	14.8	12.8	20.6	10.9
20	12.0	12.0	12.0	12.4	12.3	12.9	14.3	15.9	17.5	18.6	19.2	20.0	20.5	20.9	21.0	20.9	20.5	19.2	17.6	15.9	14.7	14.6	14.3	14.3	21.0	12.0
21	13.1	13.1	12.1	12.2	12.9	14.5	16.2	17.9	18.8	20.0	21.0	22.4	24.0	24.6	24.3	24.5	24.0	22.4	20.0	18.8	18.2	18.1	17.6	15.7	24.6	12.1
22	14.6	15.2	16.1	16.2	15.8	16.2	18.8	20.2	22.3	24.0	25.2	26.0	26.9	27.3	27.3	27.2	27.1	26.1	24.4	22.1	22.1	22.6	21.0	20.2	27.3	14.6
23	19.5	19.1	19.2	19.7	19.9	20.8	23.0	24.2	25.9	27.0	27.9	28.6	29.4	30.0	30.8	31.3	31.1	29.6	26.7	24.3	25.1	24.3	24.2	24.1	31.3	19.1
24	24.2	23.2	21.8	21.5	21.2	21.9	24.6	25.5	27.2	28.2	29.2	30.2	30.5	31.0	31.8	31.8	31.8	30.8	26.4	24.8	25.1	25.8	25.2	25.0	31.8	21.2
25	25.1	24.4	24.2	23.5	23.1	23.3	24.9	27.1	28.9	29.9	30.6	31.7	32.3	32.3	31.7	30.8	29.4	25.7	23.2	22.8	22.3	22.5	25.0	25.1	32.3	22.3
26	25.0	24.9	25.2	24.4	24.8	24.7	25.5	27.5	29.1	30.6	30.7	28.5	26.8	26.8	25.4	24.5	23.8	23.1	22.7	22.3	21.3	20.2	20.2	20.0	30.7	20.0
27	20.0	20.6	21.0	20.9	20.7	21.1	22.3	24.1	24.9	26.1	27.5	28.6	28.9	28.6	27.9	27.3	26.8	26.1	24.8	23.3	22.5	20.7	21.3	21.2	28.9	20.0
28	20.8	20.5	20.2	20.2	20.4	21.1	22.7	23.8	24.8	25.5	26.3	27.0	27.5	28.0	27.6	26.5	26.0	25.2	24.0	22.4	21.9	20.8	20.2	19.4	28.0	19.4
29	18.5	18.5	19.0	17.8	17.4	18.5	19.9	20.4	20.6	21.6	22.4	23.4	24.1	24.4	23.8	23.3	22.5	20.8	19.0	18.1	17.6	16.8	16.6	17.0	24.4	16.6
30	17.2	17.5	17.0	16.4	15.9	16.4	18.3	20.8	23.1	24.5	25.1	25.1	25.3	26.0	25.6	25.3	24.7	23.8	22.5	20.7	19.0	17.5	17.3	16.9	26.0	15.9

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Boron

LATITUDE : 35 degrees 01 minutes 00 seconds

MONTH : June

ELEVATION : 2460 feet

LONGITUDE : 117 degrees 39 minutes 00 seconds

YEAR : 1995

PARAMETER : Outside Temperature (Degrees C)

	HOUR (PST)																									
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.	MIN.
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	28.4	22.7	22.3	21.7	19.5	16.6	15.5	15.4	14.6	14.4		
2	14.2	14.0	14.0	13.6	13.5	14.1	15.8	18.8	21.7	23.8	24.3	26.4	27.5	27.6	27.5	26.6	25.5	24.0	20.7	18.2	16.7	16.1	15.4	15.4	27.6	13.5
3	14.9	14.4	13.6	13.6	14.0	15.0	16.7	18.7	21.0	23.2	25.5	26.9	28.3	29.6	30.3	30.9	29.8	28.1	25.4	22.5	20.9	19.9	19.4	18.9	30.9	13.6
4	19.0	18.5	17.1	15.6	13.4	14.3	18.8	21.6	23.2	25.6	27.8	29.4	30.8	32.0	32.5	32.4	31.4	29.0	26.5	24.0	22.7	21.8	21.1	20.0	32.5	13.4
5	19.9	19.1	18.3	16.6	15.6	15.8	17.0	19.2	20.6	22.4	22.3	22.2	21.7	22.0	22.0	21.8	21.0	21.5	20.1	17.8	16.4	15.9	14.6	13.6	22.4	13.6
6	13.0	12.5	11.9	11.4	10.8	11.5	13.6	15.8	17.5	19.4	20.3	20.9	21.5	21.9	22.0	20.8	20.4	19.2	17.6	16.2	15.5	14.8	13.4	12.3	22.0	10.8
7	11.2	9.7	9.3	8.4	8.1	9.7	11.3	13.1	14.8	15.8	15.8	16.3	17.3	17.2	16.7	16.0	15.4	14.7	14.2	13.3	12.1	11.2	10.7	10.5	17.3	8.1
8	9.5	9.3	9.0	8.6	8.5	9.6	11.1	13.1	15.7	17.9	19.4	20.9	21.9	22.7	23.2	23.2	22.8	22.2	21.0	18.9	16.8	16.0	15.8	15.4	23.2	8.5
9	15.1	14.8	14.3	13.5	12.2	12.9	15.4	17.6	19.4	21.2	22.8	23.7	24.9	26.2	26.9	27.4	27.5	27.7	26.8	23.8	21.7	19.8	18.8	18.1	27.7	12.2
10	17.1	16.0	14.0	12.3	11.2	13.1	18.6	21.6	22.8	25.1	27.7	29.4	30.6	31.4	32.2	32.6	32.8	32.7	31.5	28.0	25.6	23.9	22.9	22.0	32.8	11.2
11	21.5	21.1	20.6	17.6	15.6	16.9	21.4	24.0	26.6	28.7	30.9	32.7	34.0	35.2	36.2	36.5	36.0	34.9	32.8	29.4	26.7	25.3	23.9	22.2	36.5	15.6
12	21.1	18.6	17.5	16.6	16.1	18.6	22.2	24.4	27.4	30.6	33.1	34.6	35.9	36.5	36.5	36.3	35.2	33.6	31.2	28.4	26.4	24.6	23.2	22.6	36.5	16.1
13	21.9	21.3	21.0	19.9	19.4	20.3	22.0	24.2	26.9	29.4	31.9	33.8	34.5	34.9	34.8	33.9	32.6	30.9	28.7	26.0	23.9	22.7	22.1	21.5	34.9	19.4
14	20.0	20.1	18.1	17.6	17.2	18.2	20.5	22.6	24.7	27.3	29.6	29.7	30.0	29.5	27.6	26.2	25.1	23.8	22.0	20.6	19.4	18.6	18.1	17.3	30.0	17.2
15	16.9	16.5	15.9	16.0	15.8	14.7	15.3	16.7	18.1	18.6	19.4	18.9	18.4	19.2	19.6	19.0	17.6	16.1	14.9	13.8	13.2	12.6	11.2	10.3	19.6	10.3
16	9.4	9.1	8.0	7.4	7.6	8.3	9.9	11.1	12.1	11.5	9.9	8.7	10.8	12.6	13.9	14.3	13.9	11.2	12.0	11.1	10.5	9.6	8.1	7.5	14.3	7.4
17	8.6	9.3	9.1	8.7	7.4	8.8	12.3	13.5	15.5	16.9	18.0	19.7	21.0	22.1	23.3	24.1	23.3	22.7	21.5	19.4	17.6	16.7	16.0	15.8	24.1	7.4
18	15.8	15.0	14.7	13.8	10.5	11.8	15.9	18.3	20.4	22.3	24.2	25.6	27.0	28.0	28.9	28.9	28.0	26.6	24.0	21.7	20.2	19.3	18.4	17.3	28.9	10.5
19	16.9	16.0	15.0	14.0	13.3	13.3	15.0	17.6	20.3	22.1	23.7	25.6	27.5	28.7	28.8	28.3	27.2	25.5	22.8	19.8	18.5	17.3	16.4	15.9	28.8	13.3
20	15.6	15.0	14.6	14.5	14.4	14.7	16.1	18.4	20.6	22.9	24.6	25.5	26.6	[PA]	[PA]	27.7	27.3	26.1	23.5	20.6	19.2	18.3	17.6	17.2		
21	16.3	16.0	13.3	10.7	9.5	11.2	16.1	19.1	22.1	24.4	25.8	27.0	28.1	29.2	29.9	30.5	30.4	30.5	28.5	25.2	22.8	21.4	20.3	20.1	30.5	9.5
22	19.6	18.0	15.2	12.6	11.9	13.9	19.2	21.8	24.4	26.9	29.2	30.6	31.9	32.4	33.1	33.5	33.7	33.3	32.3	29.3	26.3	24.8	23.4	22.7	33.7	11.9
23	21.9	21.1	20.7	18.7	15.9	16.4	21.0	24.1	27.1	30.2	32.5	34.0	34.7	35.7	35.9	36.0	36.5	36.2	34.9	31.3	29.4	27.3	26.2	25.1	36.5	15.9
24	24.6	23.9	21.3	19.5	17.4	18.2	23.8	27.1	29.4	31.9	33.8	34.8	35.6	36.4	37.2	37.3	37.2	36.9	36.0	33.0	31.1	29.5	28.0	27.1	37.3	17.4
25	26.8	26.3	25.5	25.0	24.1	23.1	26.8	29.4	31.6	33.7	35.2	36.7	37.6	38.3	38.4	38.8	38.9	37.9	34.7	32.9	31.6	30.6	29.9	29.1	38.9	23.1
26	27.4	25.5	26.3	25.6	24.2	24.1	27.8	29.7	32.0	34.9	36.7	38.0	39.0	39.8	39.2	35.3	30.2	31.1	30.4	30.4	29.0	27.1	26.0	24.5	39.8	24.1
27	23.4	24.8	24.3	23.2	22.8	22.9	25.5	28.0	30.1	31.9	33.7	35.3	36.8	36.6	36.1	36.7	35.5	34.0	32.0	29.3	27.1	25.8	24.7	24.1	36.8	22.8
28	24.2	24.4	24.8	23.7	22.9	24.7	25.8	27.6	29.7	32.0	34.0	34.9	35.7	35.6	35.4	35.1	34.4	32.7	30.8	28.5	26.6	24.4	23.8	21.9	35.7	21.9
29	19.1	17.9	16.5	15.5	15.0	16.9	22.3	24.8	26.8	28.3	29.7	31.5	32.4	33.4	33.8	34.1	33.4	32.2	31.0	28.8	27.1	25.7	25.0	24.5	34.1	15.0
30	23.7	23.0	22.4	22.3	21.9	22.3	23.5	25.5	27.9	30.2	31.6	32.7	33.2	33.5	33.2	32.8	31.9	30.5	28.8	26.4	24.1	22.5	21.5	20.6	33.5	20.6

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Catalina Airport

ELEVATION : 1602 feet

PARAMETER : Outside Temperature (Degrees C)

LATITUDE : 33 degrees 24 minutes 00 seconds

LONGITUDE : 118 degrees 24 minutes 30 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

	HOUR (PST)																									
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.	MIN.
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
4	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
5	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
6	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
7	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
8	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
9	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
10	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
11	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
12	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
13	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
14	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]		
15	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	11.2	10.2	9.8	9.6		
16	9.5	9.6	9.5	9.5	9.6	9.8	9.9	10.2	10.4	11.0	11.2	11.0	10.8	10.6	10.8	10.5	10.4	10.6	10.4	10.4	10.3	10.1	9.6	9.6	11.2	9.5
17	9.5	9.6	9.9	10.3	10.3	10.3	10.9	11.4	12.3	12.8	13.2	13.1	13.1	13.9	13.8	13.5	13.3	12.4	11.0	10.7	10.9	11.1	12.3	13.1	13.9	9.5
18	13.1	13.3	14.2	15.2	14.9	15.4	15.9	17.3	17.6	18.0	18.0	18.3	18.9	18.1	18.2	18.0	15.9	14.5	15.7	17.4	17.2	17.9	17.4	16.5	18.9	13.1
19	14.7	14.4	14.7	14.0	13.1	14.0	15.7	17.0	17.2	18.2	17.8	18.9	19.7	19.7	20.1	18.7	17.6	17.1	17.4	18.1	18.0	18.3	17.7	16.5	20.1	13.1
20	16.4	16.1	15.7	14.8	15.1	14.6	16.3	16.7	17.3	17.6	18.0	18.2	19.0	19.9	20.1	19.4	18.4	18.6	17.5	16.5	16.3	16.7	16.1	16.0	20.1	14.6
21	16.9	15.2	14.7	15.1	15.6	15.2	12.7	15.1	16.0	15.9	16.4	16.9	17.7	17.9	17.5	17.7	16.9	16.0	17.3	17.0	17.1	16.2	16.1	17.1	17.9	12.7
22	16.3	15.8	12.2	12.4	12.2	13.1	13.7	14.7	16.0	17.5	18.9	19.3	20.2	22.4	[CA]	[CA]	21.0	22.1	21.5	21.0	20.4	21.0	21.3	21.2		
23	22.5	22.6	22.1	21.8	22.7	22.5	23.2	23.7	24.0	25.0	23.8	24.0	25.2	25.7	25.2	24.7	24.5	24.4	24.4	22.7	24.1	23.4	21.8	22.2	25.7	21.8
24	22.9	23.0	22.2	22.2	22.2	22.0	21.5	20.3	20.6	21.1	22.0	24.6	25.6	25.9	26.5	25.8	25.0	23.9	23.6	20.5	21.4	20.3	18.6	15.5	26.5	15.5
25	13.2	12.6	13.0	13.2	13.1	13.0	13.5	14.0	14.7	16.4	17.8	17.5	18.0	17.1	16.2	16.9	18.3	19.0	16.1	14.3	13.8	13.6	13.2	13.0	19.0	12.6
26	13.1	12.9	12.8	12.7	12.7	12.7	12.9	13.2	13.7	14.0	15.7	16.5	17.1	17.8	17.1	17.5	15.8	14.4	14.6	14.7	14.5	14.4	14.3	13.9	17.8	12.7
27	13.8	13.8	13.7	13.6	13.6	13.5	13.9	15.0	16.7	17.8	18.3	18.7	19.4	19.2	19.6	19.9	18.1	16.4	16.3	19.0	16.0	14.1	16.3	13.5	19.9	13.5
28	12.9	14.2	14.9	13.9	13.4	13.6	13.8	14.1	15.2	17.1	17.8	17.8	17.5	18.2	18.3	16.8	15.5	13.5	12.8	12.8	12.5	12.6	13.0	13.0	18.3	12.5
29	12.7	12.5	12.2	12.0	11.8	11.8	12.3	14.1	14.8	14.9	17.2	18.9	18.7	18.7	18.0	15.8	15.5	15.0	16.5	16.0	12.1	11.7	11.6	11.8	18.9	11.6
30	12.8	12.3	11.6	11.6	12.1	12.1	12.9	15.4	16.8	19.7	20.8	19.0	17.7	17.1	16.3	18.9	17.8	14.6	12.3	12.0	11.9	11.8	11.7	11.7	20.8	11.6

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Flash II Mountain

ELEVATION : 3325 feet

PARAMETER : Outside Temperature (Degrees C)

LATITUDE : 34 degrees 58 minutes 15 seconds

LONGITUDE : 117 degrees 02 minutes 22 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

DATE	HOUR (PST) 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.	MIN.
1	21.1	20.4	19.8	19.4	18.9	20.0	20.3	21.6	23.2	24.6	26.4	27.2	27.4	26.9	26.3	25.0	22.9	21.3	19.8	17.0	15.8	14.3	13.6	13.2	27.4	13.2
2	13.1	12.6	12.4	12.5	12.1	12.0	12.8	14.8	17.3	20.0	22.2	23.7	24.9	26.0	25.9	25.0	24.3	22.2	20.0	17.3	16.0	15.1	14.1	13.8	26.0	12.0
3	13.6	13.0	12.4	12.0	11.9	12.0	12.7	14.5	16.8	19.5	22.4	24.6	26.7	27.7	28.6	28.6	28.6	28.3	25.4	22.8	20.5	19.2	18.2	17.8	28.6	11.9
4	17.4	17.0	16.8	16.4	15.9	16.3	16.9	18.3	20.7	22.5	25.8	27.9	28.5	29.6	30.5	30.7	30.9	29.3	26.4	24.0	22.4	20.7	19.5	19.0	30.9	15.9
5	18.5	17.8	16.8	15.8	15.6	15.0	15.9	17.6	19.2	20.9	22.3	22.6	22.2	22.1	21.6	20.5	19.7	18.5	17.9	16.8	15.7	14.7	13.6	12.6	22.6	12.6
6	11.7	10.9	10.1	9.5	9.1	8.6	9.4	11.0	13.7	15.6	17.8	19.6	20.1	20.9	20.6	20.7	19.5	17.9	16.1	14.8	13.9	13.4	12.1	10.2	20.9	8.6
7	8.7	8.3	7.8	7.7	7.4	7.7	8.9	9.7	11.5	12.8	14.0	14.5	14.8	15.0	14.8	13.5	12.0	12.1	12.4	11.4	10.1	9.3	9.3	8.9	15.0	7.4
8	8.3	8.0	7.3	7.0	6.8	6.7	7.0	8.6	11.0	13.9	16.3	18.1	19.7	20.8	21.5	21.7	21.2	20.4	19.5	18.0	15.9	14.7	13.8	13.4	21.7	6.7
9	13.2	13.1	12.6	12.5	12.6	12.5	12.7	14.5	16.8	19.3	21.0	22.6	23.9	25.0	25.8	25.8	25.8	25.6	24.6	23.5	22.5	19.9	18.4	17.7	25.8	12.5
10	17.1	16.5	16.4	16.2	15.7	15.8	16.8	18.3	21.0	24.0	26.1	28.3	29.6	30.2	30.9	31.0	30.8	30.9	29.2	28.5	27.6	24.0	22.8	21.9	31.0	15.7
11	21.4	20.7	20.1	19.3	19.1	18.8	19.0	20.4	23.2	26.7	30.2	31.8	33.5	33.9	34.6	35.2	35.5	34.6	32.5	29.6	27.7	26.3	25.1	24.4	35.5	18.8
12	23.4	23.7	22.6	21.0	21.0	21.8	22.4	23.8	26.6	29.5	31.8	33.3	34.7	35.7	35.7	35.6	34.5	33.2	31.2	29.2	27.2	25.2	23.8	23.0	35.7	21.0
13	21.9	21.4	21.2	20.8	20.1	20.0	20.2	21.6	24.7	27.0	29.6	31.8	33.3	34.5	34.9	34.3	33.0	31.4	29.0	26.9	25.1	23.4	22.4	21.6	34.9	20.0
14	21.0	20.4	20.1	19.1	17.9	17.1	17.1	19.1	22.0	24.8	27.8	29.9	31.0	31.2	30.1	28.2	26.4	24.0	22.0	20.5	19.8	18.5	17.5	16.8	31.2	16.8
15	16.3	15.9	15.6	15.2	14.1	14.1	14.8	15.5	16.5	17.8	19.1	19.2	20.0	19.8	18.8	17.7	15.8	15.1	14.0	13.0	12.0	10.9	10.5	9.6	20.0	9.6
16	8.8	8.0	7.3	6.7	6.5	6.4	6.6	8.1	10.0	10.6	9.7	8.4	6.7	6.5	7.6	9.2	10.3	10.5	10.0	9.6	9.2	8.8	8.4	8.1	10.6	6.4
17	7.6	7.1	7.1	6.9	7.4	7.0	7.4	9.0	11.2	13.4	15.6	17.5	18.9	20.6	21.3	22.2	22.1	22.0	20.8	18.3	16.7	15.5	14.6	13.9	22.2	6.9
18	13.7	13.4	13.3	13.0	12.6	12.6	13.1	14.3	16.4	19.2	21.3	22.8	24.4	25.7	27.2	27.5	27.1	25.8	23.8	20.9	19.6	18.0	17.2	16.1	27.5	12.6
19	15.3	14.6	13.9	12.9	11.8	11.2	12.2	14.3	16.9	19.7	21.8	24.2	26.0	27.3	28.1	27.9	27.2	25.6	22.9	20.5	18.2	16.7	15.5	14.5	28.1	11.2
20	13.9	13.6	12.9	12.3	11.7	11.7	12.9	15.1	[PA]	[PA]	22.4	24.4	25.5	26.4	27.0	27.2	26.7	25.4	23.3	20.8	18.7	17.1	16.0	15.1		
21	15.1	14.7	14.4	14.0	14.1	13.9	14.7	16.4	19.4	22.5	25.2	26.6	27.3	28.3	28.6	29.1	29.3	28.8	27.6	25.9	23.7	21.6	19.7	18.7	29.3	13.9
22	18.3	18.0	17.7	17.3	16.7	17.2	17.6	19.4	21.6	24.3	27.2	30.1	31.1	31.6	31.6	32.4	32.2	31.9	30.6	28.7	27.8	25.0	23.9	22.7	32.4	16.7
23	21.7	20.8	20.5	20.3	20.2	20.4	21.0	22.7	24.8	27.8	31.7	32.5	33.4	34.5	34.5	34.0	34.2	33.2	31.5	30.4	30.2	29.7	26.5	25.4	34.5	20.2
24	24.4	23.7	23.0	23.0	23.2	23.7	24.0	25.0	28.3	31.1	33.1	34.1	35.3	35.6	36.2	36.0	36.1	35.8	34.1	32.5	31.8	30.2	27.7	26.4	36.2	23.0
25	25.3	24.9	24.8	24.3	23.8	23.6	24.3	25.2	27.9	30.9	34.4	36.2	37.0	37.0	37.7	37.5	37.0	36.4	34.8	33.5	30.7	29.6	28.6	27.9	37.7	23.6
26	27.0	26.5	26.0	25.4	25.1	24.8	25.7	27.1	29.3	32.2	34.2	37.0	37.3	37.3	36.4	35.5	33.2	31.9	30.3	29.4	28.9	27.9	26.0	25.6	37.3	24.8
27	24.7	23.9	23.8	22.9	22.8	23.2	23.7	24.7	26.7	29.8	32.2	33.7	35.7	35.7	34.7	33.3	31.8	32.6	30.6	28.2	27.0	26.0	25.5	24.5	35.7	22.8
28	23.6	23.0	23.0	23.0	22.2	22.4	23.0	24.2	26.3	28.9	31.3	33.2	34.3	35.0	34.8	33.2	31.1	31.0	29.4	27.2	26.1	25.3	24.6	23.9	35.0	22.2
29	23.4	22.8	22.4	21.6	21.6	22.2	21.7	22.7	24.7	26.1	27.9	29.6	30.7	31.3	31.7	32.2	32.0	31.3	29.1	27.4	25.7	24.4	23.3	22.6	32.2	21.6
30	22.3	21.9	21.2	20.8	20.6	20.5	20.7	22.0	24.5	27.2	29.4	30.3	31.0	31.6	31.4	31.0	30.3	29.6	27.3	25.2	23.8	22.5	21.7	20.9	31.6	20.5

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Ludlow

LATITUDE : 34 degrees 42 minutes 36 seconds

MONTH : June

ELEVATION : 1782 feet

LONGITUDE : 116 degrees 09 minutes 15 seconds

YEAR : 1995

PARAMETER : Outside Temperature (Degrees C)

	HOUR (PST)																									
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.	MIN.
1	26.5	25.4	25.3	25.1	24.6	25.3	26.7	28.6	30.6	32.1	33.2	34.0	34.5	33.7	32.8	32.6	32.0	30.5	26.9	25.5	24.7	23.4	22.0	21.1	34.5	21.1
2	20.8	20.3	19.7	19.6	19.6	20.5	21.5	22.8	24.3	26.3	27.8	29.3	30.2	31.0	31.4	32.1	31.4	29.9	27.5	25.3	23.8	22.9	21.9	21.1	32.1	19.6
3	21.3	20.7	20.1	19.3	19.0	20.0	21.7	23.6	25.0	27.0	28.3	29.4	30.3	31.5	32.3	33.0	33.4	32.9	31.8	30.0	28.9	27.2	26.0	25.2	33.4	19.0
4	24.8	24.0	22.9	22.2	21.8	22.6	24.4	26.5	28.2	30.2	32.1	33.5	34.4	35.0	35.8	36.2	36.8	36.0	34.2	32.2	29.7	28.3	27.1	26.5	36.8	21.8
5	26.3	25.0	23.8	22.8	22.3	23.5	24.4	26.0	27.8	29.2	30.7	32.3	33.8	33.3	32.2	31.0	28.2	27.1	25.4	23.8	22.7	21.6	21.0	20.3	33.8	20.3
6	19.1	18.1	17.3	16.9	16.8	17.5	18.6	19.8	20.8	22.0	23.1	25.0	27.0	29.0	30.3	30.2	29.3	27.6	24.2	21.2	19.6	18.5	17.8	16.1	30.3	16.1
7	14.5	13.7	13.7	13.4	13.6	14.7	15.5	16.7	18.0	19.1	19.7	20.6	20.8	21.4	21.5	20.7	19.7	19.2	17.2	15.1	15.1	14.8	14.7	14.8	21.5	13.4
8	14.9	14.5	13.9	13.6	13.5	14.3	15.4	16.7	18.2	19.7	21.0	22.4	23.5	24.5	25.8	26.4	26.3	26.0	25.1	23.5	22.0	21.0	20.0	19.7	26.4	13.5
9	18.9	18.7	17.9	16.8	16.4	17.2	18.6	20.3	22.0	23.9	25.6	27.3	28.2	29.1	31.1	31.5	31.1	30.3	29.3	27.4	24.9	23.3	21.8	22.7	31.5	16.4
10	23.2	22.5	21.9	21.3	20.6	21.0	22.8	24.8	26.9	29.0	31.1	32.2	36.7	37.7	35.2	35.1	35.3	35.2	34.3	32.0	29.1	27.0	26.4	27.9	37.7	20.6
11	27.7	26.9	26.3	25.5	24.8	25.3	26.2	28.8	30.5	32.5	34.4	36.0	37.2	38.1	38.6	39.0	38.8	38.6	37.5	36.1	34.4	33.5	32.4	31.3	39.0	24.8
12	30.5	29.4	28.1	27.4	26.5	27.3	28.5	30.7	32.8	34.9	36.8	38.2	39.3	40.0	40.8	40.8	40.7	39.9	38.4	36.3	34.4	33.5	32.1	31.6	40.8	26.5
13	29.6	28.4	27.2	26.2	25.5	26.3	27.6	29.7	31.5	33.7	35.6	37.4	38.3	38.9	39.9	40.5	40.5	39.4	36.9	34.5	32.7	31.5	30.9	29.8	40.5	25.5
14	28.4	26.2	25.9	25.1	24.5	24.6	25.7	27.8	29.3	31.6	33.4	34.8	36.5	37.2	38.4	38.0	37.0	33.9	30.8	28.5	27.7	26.2	25.3	24.3	38.4	24.3
15	23.6	23.4	22.3	21.7	21.3	21.0	21.1	21.9	23.1	24.3	25.6	27.0	28.8	28.3	28.0	28.1	25.7	24.0	22.9	21.7	20.5	19.0	17.8	17.0	28.8	17.0
16	16.4	16.1	15.2	14.3	13.7	13.5	14.1	14.5	15.7	17.0	18.2	18.3	17.2	15.8	14.9	14.9	14.2	14.4	13.9	13.4	13.2	12.3	12.6	12.2	18.3	12.2
17	11.2	11.2	11.1	10.6	10.9	12.4	13.8	15.6	17.3	18.3	19.9	21.3	22.3	23.2	24.3	25.2	25.3	25.6	25.0	23.8	22.2	20.7	21.4	20.5	25.6	10.6
18	20.1	19.5	19.0	17.9	17.2	18.2	19.9	21.6	23.1	24.8	26.7	28.3	29.4	30.3	31.2	31.6	31.8	31.8	30.7	29.2	27.5	25.7	24.7	23.6	31.8	17.2
19	23.4	22.2	21.5	21.2	19.8	20.7	22.2	23.4	24.7	26.2	27.5	29.3	30.9	32.3	33.9	[PA]	[PA]	[PA]	33.3	29.2	26.9	25.7	24.4	22.9		
20	22.3	20.9	20.1	19.7	18.5	19.5	21.1	22.8	24.2	25.3	27.7	29.4	30.9	32.3	33.3	33.8	33.8	33.7	31.4	29.0	27.3	25.2	23.9	23.4	33.8	18.5
21	23.0	21.7	21.4	20.3	19.6	20.4	23.0	23.9	25.2	26.6	27.8	29.3	30.6	31.9	32.2	32.9	33.2	33.2	32.4	30.3	27.7	26.2	27.2	26.1	33.2	19.6
22	25.4	24.6	23.9	23.5	22.5	22.6	24.0	26.4	28.5	30.3	31.8	33.1	34.1	35.0	35.7	35.8	35.8	35.7	35.0	32.9	30.2	28.1	26.6	28.2	35.8	22.5
23	28.2	27.3	27.0	26.2	25.3	25.7	27.2	29.1	31.2	33.2	34.7	35.9	37.0	37.7	38.1	38.2	38.3	38.0	37.0	34.8	31.9	30.2	29.1	29.3	38.3	25.3
24	28.7	28.6	27.4	27.4	27.0	27.4	29.4	31.1	33.1	34.9	36.3	37.5	38.2	38.7	39.1	39.2	39.2	39.0	38.1	35.7	32.7	31.5	31.2	30.4	39.2	27.0
25	30.8	30.3	30.3	29.7	28.9	29.5	30.6	32.9	34.6	36.4	37.9	38.8	40.0	40.5	41.2	41.4	41.3	41.0	39.9	37.7	36.0	33.5	34.6	33.8	41.4	28.9
26	32.7	32.0	31.6	30.4	30.4	30.5	32.3	34.6	36.0	37.4	39.3	40.4	41.0	42.0	40.7	40.3	40.0	38.5	37.8	35.7	34.3	33.6	32.8	32.0	42.0	30.4
27	31.4	30.0	30.0	29.4	28.5	28.5	30.2	32.1	33.5	35.4	37.1	39.0	40.3	41.2	41.0	40.7	40.0	38.8	37.0	36.0	35.0	33.7	33.0	32.5	41.2	28.5
28	31.9	31.8	29.3	28.4	27.6	27.9	29.1	31.4	33.7	35.2	36.9	38.0	38.8	39.8	39.7	38.7	35.7	36.4	37.0	34.8	33.7	32.8	31.9	30.0	39.8	27.6
29	29.4	28.5	27.7	26.8	26.0	26.1	27.4	29.1	31.5	33.1	35.0	35.7	36.7	37.5	38.2	38.3	37.8	37.1	35.9	34.2	32.6	31.6	30.4	29.6	38.3	26.0
30	30.1	29.2	28.6	27.2	26.3	26.4	27.9	29.5	31.5	32.9	34.2	35.1	36.1	37.2	37.6	37.8	37.6	35.7	33.9	32.0	30.7	29.4	27.8	27.2	37.8	26.3

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Palmdale
ELEVATION : 2760 feet
PARAMETER : Outside Temperature (Degrees C)

LATITUDE : 34 degrees 33 minutes 26 seconds
LONGITUDE : 118 degrees 06 minutes 46 seconds

T & B SYSTEMS, INC.
MONTH : June
YEAR : 1995

	HOUR (PST)																									
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.	MIN.
1	19.4	18.7	18.1	18.6	20.9	20.2	20.9	17.5	17.7	18.3	19.9	21.5	20.1	17.5	16.7	16.1	15.7	14.2	14.1	14.8	15.5	14.3	14.3	13.6	21.5	13.6
2	14.1	14.7	14.3	13.1	14.4	14.9	16.9	17.6	16.8	15.9	17.4	19.7	21.7	21.1	20.6	19.7	18.6	16.9	15.9	14.7	14.4	14.5	14.0	12.7	21.7	12.7
3	12.2	11.9	12.6	12.6	12.9	14.2	16.2	19.7	21.5	23.0	24.9	25.8	25.9	25.3	24.5	25.3	24.3	22.1	20.3	18.6	18.5	17.8	18.3	18.8	25.9	11.9
4	17.0	16.7	15.6	15.2	14.3	17.2	21.4	22.4	23.6	25.1	26.6	28.6	29.1	29.7	28.9	28.8	27.7	26.2	24.9	22.5	21.3	20.5	21.2	20.0	29.7	14.3
5	18.5	16.8	16.0	15.5	15.2	17.2	19.5	20.7	22.1	23.2	22.2	21.5	22.0	22.1	20.5	19.7	19.7	18.8	18.0	16.0	15.7	14.5	13.6	13.3	23.2	13.3
6	12.7	12.0	10.5	9.1	8.6	10.8	13.2	14.9	16.1	17.9	18.8	21.1	21.8	20.4	20.1	19.9	19.6	18.1	16.5	15.2	14.2	13.1	12.6	11.6	21.8	8.6
7	11.0	9.7	9.2	8.0	8.4	9.8	11.5	13.1	14.1	14.3	14.8	16.3	16.3	15.9	16.0	15.1	14.2	13.5	13.1	12.5	11.4	10.8	9.9	9.7	16.3	8.0
8	9.0	8.7	8.4	8.1	8.2	9.0	9.9	11.8	13.5	16.2	17.6	18.1	18.7	19.7	20.1	19.7	19.1	17.9	16.3	15.9	16.3	16.7	15.9	15.5	20.1	8.1
9	14.5	14.5	14.3	14.0	13.3	13.7	17.2	18.5	19.6	20.6	22.0	23.1	24.4	25.2	26.0	26.1	25.0	23.9	22.2	21.0	20.0	18.9	18.7	17.6	26.1	13.3
10	16.3	14.8	14.7	14.2	13.1	15.0	19.5	21.9	23.1	24.3	25.9	27.6	29.2	30.3	30.8	31.5	30.3	28.5	26.7	25.2	24.3	23.0	21.0	19.7	31.5	13.1
11	18.9	18.3	17.8	17.1	16.2	17.2	20.1	22.8	25.7	27.8	30.2	32.7	33.7	33.9	33.8	33.2	32.1	30.6	29.3	28.6	27.4	25.8	24.2	23.4	33.9	16.2
12	23.2	21.7	21.5	22.6	20.4	19.6	24.2	26.1	29.0	31.8	31.9	32.4	32.9	32.8	32.7	32.2	31.3	30.1	28.6	26.7	26.7	23.7	22.4	23.3	32.9	19.6
13	23.8	21.0	20.5	20.1	19.7	21.0	24.5	26.9	28.9	29.4	30.3	30.8	31.1	31.0	30.7	29.8	28.7	27.4	26.4	24.7	23.1	23.1	21.2	21.4	31.1	19.7
14	20.7	20.0	19.5	18.7	17.5	17.9	21.9	22.9	24.5	26.1	26.4	[PA]	[PA]	[PA]	25.0	24.0	23.0	21.7	20.3	19.1	18.3	17.6	16.6	17.1		
15	18.1	17.9	16.9	14.0	13.4	13.5	13.9	14.6	14.7	14.9	15.9	15.8	16.5	16.5	15.6	14.3	13.8	13.8	13.1	11.9	11.6	11.0	10.7	9.4	18.1	9.4
16	8.6	8.1	7.5	7.8	7.4	8.0	8.9	9.6	9.2	8.1	7.0	7.0	8.0	9.9	11.4	12.6	12.9	12.9	11.9	11.5	11.1	10.8	9.7	9.6	12.9	7.0
17	9.1	8.9	9.1	8.9	8.2	9.7	13.3	14.2	15.4	16.7	17.9	18.8	19.3	19.7	20.2	20.3	19.9	19.0	17.5	16.5	15.7	15.1	14.6	14.9	20.3	8.2
18	14.9	14.4	13.3	12.3	11.0	13.4	17.1	18.4	20.0	21.5	23.5	25.3	26.0	25.9	26.0	25.6	24.9	23.6	21.9	20.3	19.2	17.1	16.1	15.5	26.0	11.0
19	14.6	14.0	13.5	11.7	11.2	12.9	15.9	17.5	19.9	22.6	24.5	25.0	25.6	26.1	26.3	25.9	25.0	23.3	21.5	19.7	18.9	17.8	16.0	16.1	26.3	11.2
20	15.7	14.0	13.4	13.1	12.8	14.7	16.9	18.6	20.3	22.0	23.4	24.8	25.3	26.2	26.8	26.7	25.6	24.1	22.2	19.3	18.0	16.4	15.1	14.1	26.8	12.8
21	12.8	13.5	13.4	13.1	13.5	14.6	17.9	19.3	21.0	22.8	24.1	25.6	27.0	28.3	29.0	29.4	28.5	26.3	24.6	22.3	20.6	19.1	17.5	17.0	29.4	12.8
22	16.6	16.1	15.6	15.1	14.8	16.0	21.7	22.8	24.2	25.6	27.5	29.1	30.8	31.4	32.3	31.6	30.4	29.4	28.0	26.7	25.1	22.8	21.5	19.7	32.3	14.8
23	18.4	17.4	18.2	17.1	16.5	18.1	23.4	26.8	27.9	29.3	30.7	32.3	33.5	34.5	35.0	35.3	33.7	31.8	30.1	28.7	28.1	25.9	23.1	22.4	35.3	16.5
24	21.5	21.2	20.9	19.6	18.5	20.5	26.7	29.0	30.3	31.3	32.5	34.0	35.1	35.7	36.2	36.5	34.3	32.7	31.0	29.1	29.3	27.8	26.6	27.5	36.5	18.5
25	25.0	23.1	22.3	21.5	21.5	23.1	26.8	31.1	31.6	33.1	34.2	35.5	36.2	37.2	36.7	35.3	34.5	32.5	31.8	30.2	30.1	29.3	27.1	27.2	37.2	21.5
26	26.4	25.8	24.0	23.3	22.0	22.9	26.4	30.9	32.4	33.5	35.0	36.0	36.2	34.5	31.2	29.0	30.1	30.0	28.3	26.9	25.3	24.3	24.5	23.1	36.2	22.0
27	23.1	23.9	23.5	23.1	23.5	24.5	26.6	28.7	30.3	32.0	33.1	33.3	32.8	32.4	32.0	31.4	30.8	29.9	28.8	27.4	26.5	26.4	24.9	25.3	33.3	23.1
28	23.5	24.0	24.9	24.7	24.4	24.6	27.8	29.2	30.3	30.9	31.5	31.9	32.1	31.5	31.9	31.1	29.7	28.5	27.6	25.7	23.4	23.5	24.2	24.8	32.1	23.4
29	24.1	22.6	20.9	21.1	20.9	21.7	22.2	23.5	25.8	26.7	27.2	29.4	29.7	29.9	29.6	29.2	28.3	27.1	26.2	25.7	25.4	24.7	23.5	22.3	29.9	20.9
30	21.9	22.8	23.2	21.5	21.6	24.2	25.3	26.9	28.2	28.9	29.6	30.0	30.1	30.7	30.1	29.6	28.7	27.2	25.0	23.8	23.6	23.3	23.1	22.8	30.7	21.5

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Quartzite Mountain

ELEVATION : 4482 feet

PARAMETER : Outside Temperature (Degrees C)

LATITUDE : 34 degrees 36 minutes 38 seconds

LONGITUDE : 117 degrees 17 minutes 20 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

	HOUR (PST)																									
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.	MIN.
1	20.6	19.9	18.6	17.6	18.3	18.6	18.6	18.2	19.0	19.8	20.7	21.5	20.7	20.5	19.6	17.3	15.3	14.1	11.9	10.6	12.2	13.6	11.8	12.0	21.5	10.6
2	11.6	11.7	11.9	11.7	11.2	11.1	11.4	13.2	15.3	16.9	18.2	19.8	21.4	22.0	20.9	20.1	18.7	17.0	14.0	12.9	12.5	11.3	11.7	10.5	22.0	10.5
3	10.3	11.0	10.7	10.7	10.9	11.5	12.4	14.3	16.7	18.3	19.6	21.1	22.1	23.4	24.4	25.5	25.2	23.3	20.8	18.1	16.9	16.3	16.0	16.0	25.5	10.3
4	16.2	15.9	15.7	15.6	15.0	15.4	16.5	17.3	19.1	21.5	23.4	24.6	26.0	26.1	26.3	26.1	25.6	24.8	22.9	20.2	18.3	17.1	16.6	16.1	26.3	15.0
5	15.4	14.4	14.1	14.0	12.5	12.5	13.5	14.3	15.9	17.4	18.4	18.8	18.3	18.6	18.8	17.7	16.5	15.6	14.3	13.0	12.0	11.6	10.7	9.0	18.8	9.0
6	8.3	7.9	7.8	7.3	6.2	6.1	6.7	8.6	11.3	13.3	15.1	16.5	17.4	18.1	18.2	17.8	16.8	15.4	13.5	11.6	10.5	9.6	9.0	8.5	18.2	6.1
7	7.5	7.1	6.5	6.0	5.7	6.1	6.0	7.6	9.0	9.8	10.8	11.4	12.0	11.1	9.7	10.6	10.0	9.4	8.7	8.4	7.2	6.7	6.7	6.1	12.0	5.7
8	5.0	4.0	3.6	4.0	4.8	5.7	6.2	7.7	10.4	12.0	13.5	14.9	16.0	16.7	17.1	17.1	16.9	16.8	15.6	13.7	12.3	11.7	11.4	11.7	17.1	3.6
9	12.0	12.0	11.7	11.5	11.3	11.3	11.4	13.0	14.8	16.6	17.4	18.3	19.9	21.5	21.9	22.6	22.8	22.8	21.7	19.7	17.8	16.5	16.0	15.9	22.8	11.3
10	15.4	15.6	16.0	16.7	17.1	16.6	17.7	18.4	20.5	22.0	23.2	23.4	24.2	25.3	26.7	26.7	26.6	27.2	26.3	24.6	22.4	21.1	20.8	20.2	27.2	15.4
11	19.4	18.7	18.3	18.0	18.2	19.5	19.9	22.1	23.6	25.7	26.9	28.0	29.3	29.9	30.5	30.3	30.0	28.9	27.2	26.1	24.8	23.9	23.3	22.9	30.5	18.0
12	22.6	23.0	22.5	23.1	23.0	23.6	24.2	25.1	25.6	26.9	28.5	29.2	29.2	29.4	29.4	29.1	28.5	27.2	25.4	24.2	23.4	22.9	22.8	22.1	29.4	22.1
13	22.2	21.8	21.3	21.6	21.9	21.1	21.7	22.4	23.5	25.7	27.4	27.6	27.7	28.0	27.9	27.2	26.4	24.9	23.6	22.5	21.1	20.3	20.5	20.8	28.0	20.3
14	20.0	19.6	20.2	20.1	18.6	17.4	18.0	19.4	20.6	22.0	22.9	23.5	23.5	23.1	22.4	21.0	19.8	18.7	17.5	16.7	16.2	15.1	14.3	14.0	23.5	14.0
15	13.4	12.7	11.6	11.4	11.1	9.6	9.9	11.0	13.0	[PA]	[PA]	12.0	10.9	10.9	10.9	9.9	9.7	9.4	9.0	8.9	8.9	8.0	7.1	6.9		
16	6.6	5.7	4.7	4.6	3.8	3.5	3.7	4.9	5.7	5.9	6.2	5.1	4.2	4.5	3.7	4.4	5.2	6.0	5.8	5.2	5.2	5.5	6.0	5.6	6.6	3.5
17	5.5	5.6	5.7	5.7	5.8	6.0	6.6	8.1	10.4	11.7	13.1	14.5	15.3	17.0	18.3	18.4	18.9	18.0	17.0	14.7	13.1	12.1	11.7	11.6	18.9	5.5
18	11.9	11.9	11.4	11.0	10.8	10.5	11.1	12.2	14.1	16.4	18.3	20.8	21.9	22.0	22.2	22.2	21.7	21.0	20.5	18.5	16.6	15.3	14.3	13.4	22.2	10.5
19	12.8	11.7	10.2	9.5	9.2	10.3	10.6	12.3	14.5	16.2	18.8	20.9	22.5	23.6	24.1	23.6	22.8	22.1	19.5	17.0	15.2	13.6	12.8	11.6	24.1	9.2
20	11.4	11.1	10.7	10.3	10.2	10.6	12.3	14.0	15.6	17.9	19.6	21.3	22.5	23.5	23.7	24.1	23.4	22.0	19.9	16.9	14.8	13.9	13.5	13.3	24.1	10.2
21	13.1	13.0	13.2	13.5	13.7	14.2	14.9	16.1	17.9	19.9	21.3	22.9	23.6	24.8	25.5	25.5	25.9	25.7	24.7	21.4	18.8	17.6	17.2	16.7	25.9	13.0
22	16.1	16.4	16.3	16.3	16.9	18.1	18.3	19.5	21.4	23.5	24.7	25.9	26.5	27.0	27.8	28.0	28.3	27.5	26.7	24.6	23.1	22.0	21.6	21.4	28.3	16.1
23	20.5	19.8	20.2	20.3	21.1	21.1	21.7	22.6	22.8	24.7	27.7	29.0	29.4	30.5	30.4	30.6	30.4	29.6	29.2	28.3	27.0	24.7	23.7	22.8	30.6	19.8
24	22.5	22.2	22.1	21.9	22.3	22.1	23.0	24.4	26.5	27.5	29.0	30.1	30.8	30.9	31.2	31.4	31.5	30.7	30.3	29.8	26.6	25.4	24.7	24.4	31.5	21.9
25	24.2	23.9	23.5	22.9	22.5	22.7	23.5	25.0	26.1	28.9	30.7	31.9	31.9	32.7	32.4	33.7	32.9	32.2	29.9	28.1	27.2	26.6	25.8	25.5	33.7	22.5
26	25.0	24.5	24.1	23.8	24.0	24.7	25.1	26.1	26.9	28.8	30.4	31.3	32.2	32.1	31.9	30.2	27.9	26.0	26.7	25.5	25.1	24.9	24.7	23.5	32.2	23.5
27	23.0	23.0	23.6	23.3	23.3	23.6	23.8	24.5	25.9	27.7	28.9	30.2	30.6	30.5	27.9	27.2	27.5	26.4	25.0	23.6	23.2	22.8	22.5	22.8	30.6	22.5
28	22.2	21.7	22.0	23.1	23.4	23.6	23.7	23.9	25.3	27.0	27.8	28.6	28.6	28.6	28.2	27.5	26.6	25.6	24.1	22.7	22.4	21.7	21.3	20.9	28.6	20.9
29	20.6	20.6	20.4	20.1	20.4	19.8	19.6	20.7	22.2	23.5	25.2	26.2	26.9	27.9	28.4	28.4	26.4	25.1	23.2	21.7	21.7	21.2	20.4	20.5	28.4	19.6
30	20.3	20.4	19.9	19.9	19.7	20.3	20.5	21.1	23.1	25.0	25.7	26.7	27.4	26.9	26.3	25.7	25.2	24.1	22.8	20.9	19.7	19.1	18.8	18.4	27.4	18.4

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Shadow Mountain

LATITUDE : 34 degrees 44 minutes 15 seconds

MONTH : June

ELEVATION : 4120 feet

LONGITUDE : 117 degrees 33 minutes 54 seconds

YEAR : 1995

PARAMETER : Outside Temperature (Degrees C)

	HOUR (PST)																									
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.	MIN.
1	20.0	19.5	19.3	18.7	18.9	20.1	20.7	21.0	21.6	22.8	23.7	23.2	23.4	23.4	21.5	17.6	17.3	17.7	16.0	12.8	11.0	10.6	10.1	10.3	23.7	10.1
2	10.0	9.6	9.7	9.6	9.3	9.8	11.4	13.1	15.6	17.2	17.3	19.1	20.2	20.7	20.0	19.3	18.3	16.8	14.4	12.9	11.7	10.9	11.0	11.0	20.7	9.3
3	10.8	10.5	10.4	10.3	10.9	11.8	13.0	14.7	17.1	19.7	21.9	23.1	24.3	25.4	25.3	25.6	24.2	22.6	20.1	18.0	16.7	16.2	15.9	16.1	25.6	10.3
4	16.2	16.5	16.2	15.9	16.5	15.1	15.7	17.1	19.5	21.6	23.6	25.3	26.0	26.9	27.7	27.6	26.5	24.5	22.0	19.7	18.1	17.4	17.0	16.6	27.7	15.1
5	15.6	14.6	13.5	13.0	12.9	12.8	13.4	13.9	14.9	16.4	16.9	17.0	17.0	17.3	16.7	16.2	16.1	16.0	15.2	13.6	12.5	12.0	10.7	9.5	17.3	9.5
6	8.7	8.2	7.1	6.9	6.0	6.0	6.9	9.0	11.0	13.0	15.2	15.7	16.3	16.5	16.7	17.1	16.1	14.7	13.2	11.8	10.9	10.2	9.9	8.7	17.1	6.0
7	8.0	7.5	6.8	6.7	6.3	5.8	6.2	7.7	8.9	9.7	10.4	11.0	11.7	11.9	12.5	12.2	11.4	10.6	9.9	9.3	8.7	7.7	6.8	6.5	12.5	5.8
8	6.3	5.8	5.6	5.2	4.9	5.5	6.5	8.3	9.9	11.8	13.2	14.9	15.8	16.4	16.9	17.1	17.4	17.1	15.3	13.5	12.4	11.5	11.6	11.8	17.4	4.9
9	11.9	11.7	11.5	11.6	11.6	11.4	11.7	12.9	14.9	17.0	19.2	20.5	21.5	22.0	22.2	23.1	23.2	22.7	22.2	19.3	17.4	16.5	16.2	16.0	23.2	11.4
10	16.3	16.8	17.0	17.4	15.9	16.6	18.8	20.4	21.7	23.6	24.9	24.5	26.3	26.7	27.8	27.9	28.8	28.4	27.4	24.5	22.0	21.0	20.4	19.5	28.8	15.9
11	19.1	18.8	19.0	19.4	18.6	18.3	19.3	20.7	23.2	26.3	27.8	29.2	29.9	30.8	31.7	32.0	31.0	29.8	28.1	26.0	24.7	23.9	23.4	23.0	32.0	18.3
12	22.2	22.2	22.4	22.5	22.4	22.5	23.0	23.9	26.8	28.5	29.4	30.3	31.2	31.9	31.5	30.9	30.3	29.3	27.6	25.2	24.1	23.6	22.4	22.1	31.9	22.1
13	21.2	20.5	20.1	19.9	18.9	18.9	20.1	22.3	24.3	25.8	27.6	29.2	29.9	29.8	29.8	29.3	28.6	27.2	24.9	22.3	22.2	22.1	21.2	20.4	29.9	18.9
14	18.0	19.0	18.6	18.5	17.3	17.5	17.9	18.4	20.2	22.9	25.3	26.7	26.1	24.9	24.1	22.8	21.8	19.8	18.0	17.0	16.9	16.4	15.4	14.4	26.7	14.4
15	14.3	13.9	13.3	12.6	12.6	12.0	12.2	13.5	13.9	14.1	15.5	16.4	15.2	14.9	[PA]	[PA]	[PA]	12.2	10.7	9.1	8.3	8.3	7.5	6.5		
16	5.9	4.8	4.7	4.2	3.7	3.7	4.9	5.4	6.8	6.8	5.4	4.0	3.9	5.2	6.3	7.1	8.0	8.5	8.6	7.7	7.7	7.0	6.5	6.4	8.6	3.7
17	6.2	6.0	6.1	6.0	6.3	6.4	7.3	8.5	10.3	11.8	13.1	14.7	15.9	16.9	18.0	18.5	18.5	17.6	16.0	14.4	13.2	12.5	11.9	11.9	18.5	6.0
18	11.8	11.5	11.2	11.1	11.1	10.8	11.3	13.1	15.9	18.1	20.1	21.2	22.1	23.1	23.8	23.8	23.0	22.0	20.1	18.2	16.4	15.2	14.4	13.8	23.8	10.8
19	13.1	11.5	10.4	9.3	8.7	9.0	10.3	12.2	14.4	16.6	19.0	21.4	22.6	23.7	24.1	23.9	22.8	20.9	18.8	16.3	14.2	13.5	12.4	11.8	24.1	8.7
20	11.4	10.9	10.6	10.1	10.3	10.3	11.6	13.4	15.6	16.9	18.5	20.1	21.2	22.3	23.0	22.8	22.2	21.0	18.8	16.1	14.7	14.0	13.9	13.4	23.0	10.1
21	13.2	13.3	13.5	13.8	15.2	15.6	16.8	17.8	18.5	19.4	20.8	22.6	23.5	24.7	25.9	26.2	25.9	25.6	24.0	21.2	18.8	17.8	17.1	16.7	26.2	13.2
22	16.6	16.6	16.6	16.7	17.3	19.1	19.3	21.2	22.6	24.2	25.5	26.0	27.5	28.2	28.4	29.0	28.9	28.9	27.8	24.8	23.0	22.2	21.7	21.4	29.0	16.6
23	20.7	20.7	20.9	20.7	20.8	20.8	22.4	24.5	25.3	26.9	27.8	29.5	29.6	30.3	31.0	31.1	31.1	31.0	30.3	28.9	25.9	24.8	23.6	23.1	31.1	20.7
24	23.0	23.0	23.7	23.8	23.0	22.8	24.1	25.6	27.2	28.6	29.9	31.0	30.9	31.6	31.9	31.9	32.0	32.3	31.7	29.6	26.8	25.6	24.8	24.2	32.3	22.8
25	24.3	24.2	23.8	24.0	23.8	24.5	24.5	25.4	27.9	29.9	31.1	32.5	33.2	33.2	33.6	34.4	34.2	32.6	30.1	28.6	27.7	26.9	26.4	26.0	34.4	23.8
26	25.5	25.1	24.9	24.9	25.5	25.8	25.6	26.7	28.9	31.0	32.3	33.3	33.2	33.3	32.8	31.3	29.0	27.3	27.6	26.3	26.1	26.6	26.5	25.1	33.3	24.9
27	24.0	23.3	23.0	23.2	23.1	23.2	24.0	25.1	26.8	28.6	30.2	31.2	32.2	32.5	30.4	31.2	30.6	29.2	27.7	25.6	24.5	24.1	22.7	22.4	32.5	22.4
28	22.6	23.9	23.7	23.8	23.5	22.8	22.8	24.2	26.4	28.0	29.0	29.9	30.2	30.3	30.0	30.2	29.9	28.8	27.4	25.0	23.6	23.0	21.8	22.2	30.3	21.8
29	22.2	21.9	21.8	21.7	21.2	21.3	21.9	22.7	23.0	24.1	25.2	26.5	27.4	27.8	28.5	28.4	27.7	26.7	25.2	23.5	22.4	21.1	21.0	21.1	28.5	21.0
30	21.1	20.7	20.3	20.5	20.5	20.4	20.9	22.2	23.8	25.2	26.4	27.0	27.0	27.2	27.3	27.1	26.4	25.7	24.5	22.9	20.3	19.3	18.9	19.7	27.3	18.9

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Baldy Mesa

LATITUDE : 34 degrees 23 minutes 20 seconds

MONTH : June

ELEVATION : 4250 feet

LONGITUDE : 117 degrees 26 minutes 33 seconds

YEAR : 1995

PARAMETER : Mean Horizontal Wind Speed (meters per second)

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[CA]	[CA]	[CA]	7.6	9.6	8.1	7.6	6.8	5.7	5.2	5.0	4.8	4.0
4	2.8	2.2	0.9	1.2	1.8	1.6	0.6	1.3	1.4	1.9	3.7	5.4	6.2	6.7	7.8	7.7	7.5	7.0	6.5	5.5	5.5	4.7	4.1	2.8
5	1.7	3.4	4.0	3.3	4.0	4.8	6.1	6.1	6.7	6.9	6.7	7.1	6.8	5.9	5.0	5.8	6.4	7.4	4.6	4.0	5.2	7.8	7.1	7.4
6	5.7	4.8	3.3	5.4	4.9	4.8	5.0	5.0	6.6	6.7	4.9	6.9	6.0	3.7	3.8	5.0	5.5	5.6	5.0	3.4	7.0	8.3	7.8	5.8
7	5.5	5.2	3.9	4.4	4.3	3.0	3.4	5.2	5.5	5.3	7.2	7.6	8.2	8.5	9.2	9.0	8.4	6.8	6.6	5.0	4.8	6.3	5.9	6.0
8	6.1	6.0	6.3	6.4	6.1	5.8	5.5	4.9	4.6	4.5	4.9	6.1	6.6	5.8	5.9	4.1	5.3	5.9	6.0	5.6	5.6	5.5	4.7	4.4
9	4.2	3.8	1.9	2.2	2.2	1.4	2.8	2.1	2.0	1.9	2.4	3.8	3.9	2.9	3.9	4.3	4.3	4.9	5.5	5.5	4.7	4.0	2.9	2.6
10	1.7	1.6	1.5	1.0	0.2	1.9	1.7	1.3	2.0	2.6	2.3	2.7	2.2	2.3	2.0	2.3	2.9	5.0	5.9	5.7	5.1	4.5	3.9	1.9
11	1.2	1.5	1.9	2.0	1.9	1.4	1.0	1.5	1.4	3.3	5.5	6.4	7.8	7.0	6.6	6.9	6.7	6.6	6.1	5.6	5.6	5.1	5.5	5.8
12	4.8	4.6	4.8	4.3	2.5	1.6	2.0	3.9	5.8	7.5	6.3	7.2	8.0	9.3	9.2	8.7	8.0	7.0	7.1	7.2	6.9	6.3	5.4	5.6
13	5.3	5.0	4.7	4.8	6.0	6.4	6.9	6.5	6.7	6.9	7.5	8.3	8.2	8.0	9.1	8.6	9.1	9.1	8.3	7.4	7.7	8.1	7.8	6.7
14	7.2	7.1	7.4	8.2	7.5	7.0	8.2	8.8	[PA]	[PA]	[PA]	9.8	9.4	9.6	9.5	8.1	7.8	7.5	5.8	6.8	7.6	6.8	6.9	7.2
15	8.1	8.5	8.5	9.4	9.8	9.8	10.0	10.9	10.7	8.6	8.8	9.3	9.4	10.2	11.3	10.4	9.0	8.8	10.3	6.4	8.8	7.7	6.3	8.9
16	9.1	6.7	8.4	9.9	9.8	8.2	6.6	10.5	9.8	9.2	8.6	7.3	6.6	5.7	7.5	6.5	5.7	5.1	5.6	5.2	4.8	4.7	4.9	4.6
17	4.4	3.8	3.5	3.4	3.6	2.9	4.2	3.1	2.4	1.9	4.7	4.9	5.2	5.3	6.1	6.2	6.8	6.5	5.5	4.8	4.7	4.4	3.9	1.5
18	0.9	1.8	2.1	2.0	2.2	1.5	1.7	1.9	1.8	4.4	5.5	6.0	6.9	7.6	8.4	8.4	7.8	6.8	5.8	4.3	4.4	4.9	5.2	4.0
19	3.0	3.5	3.6	1.9	2.1	2.3	1.4	3.1	4.9	5.6	6.2	6.7	7.1	7.6	8.1	8.3	7.5	7.2	6.1	5.3	5.0	4.0	5.3	2.8
20	2.8	3.1	3.9	3.9	3.4	2.5	4.2	4.0	5.4	5.3	5.5	5.5	6.2	6.6	6.8	6.9	6.8	6.5	6.3	4.9	4.2	4.0	3.5	1.5
21	2.7	3.4	1.9	2.0	3.5	3.0	2.1	3.4	3.2	2.7	2.9	2.5	2.3	5.1	6.4	5.6	5.8	5.9	5.8	4.2	3.4	3.3	2.2	1.3
22	1.0	1.0	0.7	0.6	1.0	1.5	1.2	2.3	2.2	2.8	3.0	2.8	3.3	4.4	4.5	4.9	4.5	5.5	5.0	4.3	3.9	2.7	1.5	2.1
23	1.9	2.0	2.1	1.4	0.5	0.8	0.6	1.8	2.6	3.0	3.6	3.4	3.2	2.4	2.9	2.2	2.3	2.6	4.0	4.3	3.7	3.4	3.9	4.1
24	4.1	2.0	1.3	1.1	1.8	1.8	1.3	2.2	2.8	3.6	2.7	3.4	4.0	3.0	3.0	3.8	3.5	2.1	3.8	4.4	3.8	4.0	3.2	3.3
25	3.4	1.3	1.5	2.9	1.8	1.6	1.5	2.1	2.7	2.7	2.6	2.7	3.4	3.5	5.3	5.4	5.4	6.7	6.3	5.9	5.5	5.1	3.8	3.6
26	4.0	3.0	2.9	2.6	3.1	1.5	0.8	2.0	2.5	2.1	2.8	4.4	6.0	6.8	7.7	8.6	8.5	7.2	5.4	5.6	6.2	6.8	7.0	7.4
27	7.1	6.2	5.2	6.0	6.3	6.1	5.8	6.1	6.3	6.1	6.6	6.5	7.6	8.4	9.3	9.7	9.6	8.8	9.0	8.5	7.7	7.8	8.1	6.6
28	6.1	5.8	5.7	5.5	5.3	5.3	4.9	5.1	5.3	7.0	7.0	7.2	8.0	8.6	8.9	9.4	8.3	7.9	6.5	4.7	4.9	6.0	7.0	6.3
29	5.1	5.4	6.6	5.6	5.2	4.4	5.4	6.6	6.9	6.4	6.7	6.3	6.0	6.5	7.3	7.9	7.7	8.1	8.1	6.9	6.7	6.8	7.1	6.8
30	6.0	5.7	6.1	6.6	6.1	6.5	5.7	4.2	3.7	3.9	4.6	6.1	6.6	6.6	8.3	8.3	7.7	8.1	8.1	9.4	9.3	7.6	7.9	7.0
AVG.	4.3	4.0	3.9	4.0	4.0	3.7	3.7	4.3	4.5	4.7	5.1	5.8	6.1	6.2	6.8	6.9	6.7	6.6	6.3	5.6	5.6	5.6	5.3	4.7

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Boron

LATITUDE : 35 degrees 01 minutes 00 seconds

MONTH : June

ELEVATION : 2460 feet

LONGITUDE : 117 degrees 39 minutes 00 seconds

YEAR : 1995

PARAMETER : Mean Horizontal Wind Speed (meters per second)

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	4.9	9.0	8.4	8.7	7.3	7.3	6.8	7.0	6.8	6.7
2	6.6	5.5	5.9	5.7	6.5	6.0	5.6	5.7	5.0	5.2	6.8	5.8	6.6	7.1	6.8	7.2	7.8	7.3	6.5	6.3	7.4	6.4	6.2	6.6
3	6.3	6.8	5.2	4.3	4.0	3.8	3.3	2.6	2.1	1.7	1.2	1.6	1.7	2.1	2.7	2.6	5.2	5.1	4.8	5.1	4.0	4.6	4.4	3.8
4	3.6	3.1	1.7	1.0	1.0	1.4	0.9	0.8	1.3	1.7	1.6	2.7	2.8	3.5	4.6	4.8	5.7	6.8	5.3	4.4	3.7	4.1	3.1	2.1
5	2.9	4.9	5.9	6.0	6.0	5.2	6.4	7.1	6.7	6.3	7.6	8.8	10.0	8.4	8.7	9.2	8.5	9.6	8.5	6.4	6.1	4.6	4.3	3.1
6	4.4	3.6	3.9	2.9	2.3	2.2	3.1	3.7	3.8	5.1	6.9	6.7	8.1	8.8	9.3	8.3	9.1	11.5	10.1	8.0	8.1	5.9	4.1	2.6
7	1.6	1.9	2.0	1.8	1.9	2.9	3.5	4.1	4.0	5.7	5.9	5.7	6.1	5.7	5.2	6.2	6.1	5.8	4.3	3.7	1.8	1.6	2.5	3.2
8	3.2	3.4	3.4	3.8	3.2	4.1	4.1	3.6	3.7	4.4	4.8	5.4	5.6	4.7	4.7	4.2	5.4	4.6	4.3	4.0	4.8	4.5	4.2	3.8
9	3.3	3.4	2.9	1.6	0.8	1.0	1.9	1.6	1.6	1.6	1.4	1.9	1.4	1.8	1.7	2.4	1.6	1.3	1.5	3.3	3.0	3.6	3.2	2.4
10	1.7	1.3	0.8	1.3	0.8	1.1	0.9	0.8	1.8	1.5	1.6	2.1	2.3	1.7	1.8	1.5	1.5	1.7	1.8	2.9	2.6	3.1	3.4	3.6
11	3.3	2.5	1.8	1.1	1.1	0.9	0.6	0.7	0.8	1.6	2.2	2.5	2.9	3.0	2.8	4.1	4.3	5.1	5.0	3.4	3.1	2.6	2.0	0.8
12	1.3	0.7	0.7	0.6	0.5	1.0	2.0	1.7	1.4	1.9	3.0	3.4	3.6	4.3	5.5	5.6	5.9	6.5	6.0	4.9	4.4	3.4	2.0	2.3
13	3.9	3.0	2.9	1.9	1.7	1.4	2.6	2.3	2.8	4.0	4.6	5.0	5.3	6.1	6.3	6.5	6.4	6.3	5.7	4.8	5.2	4.4	3.6	3.8
14	2.7	2.5	1.8	3.1	2.9	2.9	2.9	3.9	4.6	4.5	5.3	6.4	7.7	8.5	8.0	6.9	7.4	6.2	5.6	4.7	5.5	6.3	5.3	5.0
15	4.4	3.6	2.9	3.8	4.8	4.9	4.9	5.4	5.8	6.2	7.1	8.1	8.3	7.5	7.9	7.4	8.5	7.7	6.2	6.0	3.1	4.5	4.4	4.7
16	3.8	4.1	3.3	3.1	2.2	3.7	4.8	5.5	6.0	7.0	7.6	5.4	4.9	5.5	4.9	3.5	2.2	2.4	1.7	0.8	1.1	1.2	0.6	0.6
17	2.0	2.4	2.3	1.5	0.9	0.7	0.9	1.7	1.8	1.7	2.0	1.6	2.5	2.9	2.1	4.5	5.8	5.7	4.9	3.8	3.7	4.2	4.2	3.4
18	3.4	3.0	2.6	1.3	1.4	1.4	1.0	0.7	1.0	1.3	1.4	1.9	3.6	4.0	4.4	5.3	6.0	7.6	7.5	5.3	3.6	3.8	4.5	2.8
19	3.5	3.4	4.0	3.9	4.0	4.2	4.2	4.1	4.7	6.0	5.4	4.8	5.3	5.4	5.6	6.3	7.3	7.6	6.2	4.7	4.1	4.5	4.5	4.3
20	4.6	4.1	4.0	4.4	4.6	5.3	5.3	4.5	5.1	4.5	5.0	5.9	6.3	[PA]	[PA]	6.5	6.1	5.8	5.0	5.4	4.1	4.1	4.0	3.7
21	2.8	2.3	0.8	1.2	1.0	0.6	0.8	0.5	1.2	2.2	1.8	2.0	2.1	1.9	2.2	2.7	2.5	2.8	5.0	2.6	2.9	3.1	3.2	3.4
22	2.3	1.7	1.3	1.2	1.5	1.1	0.5	0.8	0.8	1.0	2.1	2.3	2.5	2.4	1.6	2.2	1.7	2.2	1.9	3.2	2.5	2.7	3.1	2.6
23	2.3	2.3	2.6	1.1	1.1	1.5	1.0	1.3	1.1	1.1	2.4	3.0	2.7	2.6	2.8	2.5	1.5	1.9	2.1	2.0	4.1	2.7	2.9	2.6
24	2.5	1.6	1.0	1.3	1.9	1.2	1.2	0.8	1.8	2.6	3.0	2.7	2.2	2.1	2.2	1.7	2.1	2.2	2.0	2.9	2.5	2.2	3.2	2.7
25	2.7	2.7	2.7	2.6	2.1	0.4	1.4	1.7	1.3	1.7	3.0	3.1	2.4	2.3	2.4	1.9	1.8	1.5	4.6	3.6	3.2	3.0	3.3	2.9
26	2.2	1.7	2.3	1.9	1.1	1.2	2.2	2.0	1.9	1.3	1.5	1.7	1.9	2.2	2.2	6.6	8.5	5.2	4.1	3.0	1.6	2.3	2.4	2.7
27	2.3	3.2	2.1	1.9	1.6	1.3	1.9	3.0	2.7	2.4	2.0	1.7	1.8	3.1	4.9	5.1	6.4	6.2	5.5	4.8	3.7	3.8	4.6	3.9
28	3.6	4.0	3.8	2.3	2.4	2.8	3.0	4.0	3.7	3.8	4.3	4.4	4.7	5.0	5.2	5.9	6.6	6.4	5.2	3.9	3.2	3.1	3.5	2.0
29	1.2	1.0	1.0	1.2	1.1	1.4	1.7	3.0	3.1	2.8	1.9	1.8	2.0	1.7	2.8	3.1	4.8	6.4	4.9	3.0	3.7	4.8	4.7	4.7
30	4.4	4.2	2.7	3.4	3.0	3.0	4.1	3.4	3.3	4.2	4.5	4.4	4.6	5.2	6.2	6.2	6.6	7.0	6.7	5.6	5.0	4.5	4.5	3.2
AVG.	3.2	3.0	2.7	2.5	2.3	2.4	2.6	2.8	2.9	3.3	3.7	3.9	4.2	4.3	4.5	5.0	5.4	5.5	5.0	4.3	4.0	3.9	3.8	3.3

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Catalina Airport

ELEVATION : 1602 feet

PARAMETER : Mean Horizontal Wind Speed (meters per second)

LATITUDE : 33 degrees 24 minutes 00 seconds

LONGITUDE : 118 degrees 24 minutes 30 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

DATE	HOUR (PST) 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
4	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
5	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
6	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
7	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
8	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
9	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
10	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
11	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
12	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
13	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
14	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
15	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	5.3	6.4	6.4	8.2
16	7.7	7.5	6.9	7.1	7.7	6.5	6.5	5.5	6.0	6.3	8.2	8.1	8.4	8.9	8.5	8.3	7.6	6.6	6.6	5.9	4.6	3.4	2.7	2.2
17	1.4	1.3	2.0	2.4	1.3	1.2	1.0	1.3	1.8	2.4	2.3	2.1	2.0	2.7	3.8	4.1	4.5	4.2	4.4	5.3	4.4	3.7	4.6	4.5
18	3.7	3.4	2.9	2.1	1.8	1.5	0.8	0.7	1.3	2.1	2.9	2.9	3.4	3.7	3.1	4.0	4.9	5.1	4.8	4.6	3.6	3.5	2.6	1.2
19	1.9	2.0	1.9	1.9	1.7	1.5	2.0	1.6	1.5	1.8	2.2	2.1	2.1	2.4	2.8	3.4	3.6	3.3	1.9	2.3	1.8	1.2	1.3	2.4
20	2.2	2.1	2.4	1.8	1.9	1.3	1.0	1.1	1.4	2.1	2.1	2.3	2.5	2.1	2.2	2.4	2.4	2.4	2.9	3.0	2.6	1.5	0.7	1.3
21	1.3	1.8	2.0	1.1	1.0	0.6	1.1	1.6	1.5	2.6	2.7	2.5	2.8	2.9	3.1	2.6	3.0	2.4	1.5	1.5	1.2	1.1	1.5	1.4
22	1.3	1.9	2.6	3.5	2.3	0.9	0.6	1.0	1.3	1.8	1.7	2.1	1.7	1.6	[CA]	[CA]	2.0	2.6	2.7	2.8	2.4	2.6	2.1	1.7
23	2.7	2.4	1.8	1.3	1.4	1.2	1.1	1.7	1.1	1.8	1.9	1.8	2.0	2.2	2.7	4.0	4.0	3.2	3.1	5.3	5.1	4.5	3.5	3.7
24	4.7	4.3	2.6	0.8	1.7	1.7	1.5	0.7	1.0	1.2	1.4	1.3	1.5	1.6	1.8	3.3	2.4	2.3	2.1	1.3	0.9	1.0	1.7	1.3
25	1.2	0.9	1.7	2.4	1.5	0.6	0.6	0.8	0.9	1.3	1.8	1.8	1.9	2.4	2.6	2.1	1.4	1.5	1.0	0.6	0.8	0.6	1.0	2.1
26	2.0	1.6	2.4	2.4	3.4	3.8	3.1	2.8	2.8	1.8	1.5	2.0	2.2	2.1	3.0	2.2	2.8	1.8	2.0	2.2	2.5	3.1	2.5	1.4
27	1.6	2.1	2.1	1.5	0.6	0.7	1.0	1.0	1.6	2.4	2.4	2.3	2.2	2.4	1.9	1.8	2.9	2.9	2.7	2.8	2.3	1.9	2.1	1.5
28	1.2	2.1	1.6	0.9	1.8	2.0	1.1	1.0	1.3	1.7	2.2	2.9	3.6	3.2	3.7	3.8	4.0	4.2	3.0	2.1	2.6	1.5	1.8	2.4
29	1.6	0.7	1.1	1.3	1.0	1.0	0.9	1.1	2.1	2.9	2.2	2.0	2.8	3.1	4.0	4.7	3.5	2.9	3.2	2.7	2.9	3.4	2.4	1.9
30	1.2	1.9	1.8	1.9	1.8	1.8	0.6	0.9	1.6	1.4	1.4	3.4	4.1	4.5	5.3	4.8	4.4	4.0	4.2	4.2	4.3	3.7	3.8	3.6
AVG.	2.4	2.4	2.4	2.2	2.1	1.8	1.5	1.5	1.8	2.2	2.5	2.6	2.9	3.1	3.5	3.7	3.6	3.3	3.1	3.1	3.0	2.7	2.5	2.6

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Flash II Mountain

LATITUDE : 34 degrees 58 minutes 15 seconds

MONTH : June

ELEVATION : 3325 feet

LONGITUDE : 117 degrees 02 minutes 22 seconds

YEAR : 1995

PARAMETER : Mean Horizontal Wind Speed (meters per second)

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	3.7	4.1	4.3	4.4	3.8	3.4	3.0	3.4	3.5	3.5	4.3	5.8	7.3	10.6	9.8	11.6	12.8	14.1	14.0	10.1	8.9	7.4	8.7	8.8
2	10.3	10.1	10.2	11.2	10.4	10.3	9.6	8.9	7.6	6.9	6.7	8.1	7.3	7.9	10.2	12.7	12.4	13.4	13.3	13.4	10.1	12.2	10.8	8.2
3	6.8	6.3	7.3	8.0	7.5	7.1	6.1	4.8	4.4	3.6	3.2	3.0	2.4	2.9	3.5	3.0	3.5	4.1	7.4	6.2	7.9	7.7	8.5	6.8
4	6.9	7.0	5.5	3.4	4.1	3.7	3.9	2.8	2.7	3.6	2.7	3.2	4.6	5.3	5.3	6.0	7.1	8.0	8.3	7.7	9.8	9.0	9.5	9.7
5	8.6	9.0	8.7	9.6	9.5	6.1	6.7	9.6	10.4	10.3	10.8	11.5	12.2	11.9	13.1	14.4	15.0	16.4	14.4	11.3	8.9	7.7	7.9	7.4
6	7.6	7.8	8.1	8.5	7.6	6.3	6.6	7.0	5.6	6.7	8.8	11.4	13.1	12.2	13.1	11.6	12.6	13.4	14.0	11.1	7.1	7.9	8.4	6.2
7	4.2	5.2	3.6	3.6	4.8	4.1	3.5	4.2	5.1	5.1	6.3	10.5	9.6	8.8	8.3	8.3	4.4	5.7	6.7	5.5	4.3	3.6	5.2	6.5
8	6.1	6.6	7.1	6.7	6.9	7.1	5.7	5.2	5.0	4.4	5.0	6.6	5.2	4.7	4.9	5.3	5.9	6.3	6.2	8.5	9.1	8.1	7.2	6.2
9	5.8	5.6	5.0	5.1	4.5	3.4	3.2	1.4	1.9	1.9	2.1	2.3	2.8	3.0	3.6	3.7	3.0	2.2	1.3	1.0	1.1	4.9	5.2	6.0
10	6.4	6.1	5.6	5.2	4.4	3.6	2.7	2.2	1.8	2.3	2.3	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[MT]	[MT]	[MT]	2.9	4.3	4.8	7.0
11	7.4	6.3	6.7	7.3	6.6	6.0	5.0	3.3	3.1	2.1	2.0	2.1	3.3	4.1	3.8	4.0	4.3	4.7	5.9	7.2	6.7	6.7	5.6	5.7
12	6.4	6.8	6.2	5.7	5.5	4.1	3.2	2.9	2.4	2.4	3.4	2.7	3.3	6.4	6.4	8.6	10.4	10.3	8.9	9.2	10.1	6.9	7.5	7.8
13	6.0	6.3	6.8	7.1	7.2	6.3	4.7	4.0	3.2	3.3	3.7	5.4	6.4	6.6	7.3	9.5	9.1	9.5	9.8	9.9	10.1	8.7	8.6	5.1
14	4.1	5.7	5.3	4.1	4.9	4.6	4.9	5.7	7.3	6.5	7.2	6.7	7.2	7.8	9.4	7.9	7.0	8.8	7.5	7.4	7.4	7.1	10.1	9.0
15	10.0	10.0	6.9	6.7	3.8	5.2	4.8	5.8	7.8	9.1	11.8	10.8	9.5	11.8	12.3	13.1	12.8	11.3	9.9	11.0	7.9	6.0	7.5	6.3
16	5.8	5.7	5.4	4.1	5.6	5.0	8.2	10.0	8.1	6.9	9.2	8.5	6.8	4.0	3.5	5.7	6.0	5.5	4.5	3.0	2.6	3.8	4.7	5.4
17	4.3	4.7	5.4	4.0	3.2	4.1	3.8	3.3	3.5	3.5	3.0	3.1	2.6	2.4	2.5	2.4	2.7	2.9	4.8	6.1	5.5	6.4	7.1	6.6
18	7.1	6.2	5.3	4.8	5.0	4.5	4.9	4.0	2.7	2.1	3.0	3.8	4.1	4.5	5.6	7.7	8.8	8.6	9.0	7.3	5.4	6.4	7.2	9.0
19	7.9	7.9	9.6	10.2	8.1	7.2	8.3	8.0	8.6	9.2	8.3	8.4	7.9	8.4	8.2	8.5	8.8	8.7	9.4	8.5	7.6	8.8	8.8	9.6
20	9.5	10.6	9.3	8.8	9.2	9.1	7.4	7.3	[PA]	[PA]	5.7	7.1	8.1	8.6	9.2	8.8	8.5	9.4	10.7	8.4	8.7	8.8	7.3	4.3
21	5.0	4.0	3.8	3.6	3.0	2.7	2.2	2.1	1.3	1.7	2.6	2.5	2.2	2.4	3.3	3.6	3.1	2.9	3.0	2.8	3.7	5.2	6.6	6.6
22	6.3	6.1	6.7	6.6	3.8	3.5	3.0	2.9	2.1	1.9	1.9	2.5	2.5	2.4	2.4	2.0	1.9	1.2	0.8	1.7	2.4	5.4	5.3	5.6
23	4.4	5.6	5.8	5.6	5.5	4.4	2.6	2.4	1.3	1.5	2.4	2.8	2.7	3.6	2.9	4.4	2.5	3.3	2.9	2.2	2.3	2.3	3.5	3.3
24	4.1	5.3	4.5	3.3	3.6	2.8	2.3	1.7	1.3	1.5	2.1	2.5	2.4	2.3	3.6	2.4	2.8	1.8	1.7	1.9	2.2	3.0	5.0	5.5
25	5.9	5.6	6.4	6.2	4.8	3.6	1.9	2.5	1.5	1.8	1.9	2.1	2.4	2.7	2.4	2.2	1.9	1.8	1.3	2.9	4.9	5.8	5.7	6.0
26	5.7	4.9	5.2	5.3	4.0	3.1	3.5	3.4	2.4	1.9	2.1	2.2	3.5	5.5	7.2	7.3	10.1	5.7	3.2	5.2	4.3	4.4	3.7	4.1
27	3.7	5.2	5.5	5.5	4.7	6.1	5.9	4.4	4.2	3.0	2.5	2.7	3.2	4.2	7.3	9.8	6.8	6.6	9.3	9.5	10.0	8.3	7.9	6.1
28	6.5	5.1	6.4	6.5	5.8	5.4	5.0	4.8	4.4	5.1	4.6	5.2	4.8	4.8	4.8	9.5	8.5	9.6	8.6	9.9	7.4	3.3	3.3	3.6
29	3.7	3.5	5.6	4.6	4.3	3.3	2.7	3.9	3.6	3.4	3.8	3.1	3.3	4.1	4.7	4.3	5.0	7.3	10.6	8.8	8.6	9.4	9.4	9.2
30	6.6	6.1	6.1	5.8	5.4	5.5	5.2	4.4	3.7	3.9	3.9	6.5	7.3	8.7	9.4	9.3	10.9	10.4	11.3	9.6	6.6	6.2	5.5	4.4
AVG.	6.2	6.3	6.3	6.1	5.6	5.1	4.7	4.5	4.2	4.1	4.6	5.3	5.4	6.0	6.5	7.2	7.2	7.4	7.5	7.1	6.5	6.5	6.9	6.5

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Ludlow

ELEVATION : 1782 feet

PARAMETER : Mean Horizontal Wind Speed (meters per second)

LATITUDE : 34 degrees 42 minutes 36 seconds

LONGITUDE : 116 degrees 09 minutes 15 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	2.1	2.3	2.8	4.0	3.9	3.2	3.7	2.5	2.0	5.6	6.3	5.8	7.1	8.2	7.9	7.4	7.3	5.8	8.7	7.9	8.2	9.4	5.6	5.8
2	6.4	7.9	8.3	8.4	8.0	8.4	9.1	9.3	8.7	5.6	4.3	5.7	6.0	5.4	6.2	6.3	8.5	8.9	9.5	9.4	7.8	6.9	6.6	5.9
3	5.4	5.6	7.0	6.3	6.4	5.3	4.9	3.4	3.6	3.9	5.5	4.7	2.9	1.8	2.1	2.7	3.7	3.1	1.8	1.3	6.2	5.5	5.7	4.9
4	5.6	3.7	5.6	5.5	4.2	4.0	3.4	2.4	3.5	2.4	1.7	1.8	2.7	1.8	1.8	1.7	1.1	1.9	4.2	5.5	8.9	4.7	3.7	5.3
5	4.3	3.9	3.2	3.9	2.8	3.0	4.6	3.2	2.5	3.5	2.5	2.3	5.9	9.7	10.0	9.1	10.3	9.9	12.0	12.3	12.4	11.8	8.9	7.4
6	7.1	7.6	7.2	6.2	6.6	6.6	6.6	6.1	2.5	3.8	5.3	4.9	4.8	6.1	8.3	9.3	9.1	9.0	9.6	11.0	12.4	10.2	10.3	10.1
7	7.4	4.1	6.4	6.0	5.1	6.8	7.8	8.3	5.8	3.5	3.8	5.5	6.0	5.4	7.8	6.1	6.6	6.5	5.6	3.8	2.0	2.9	4.6	4.6
8	3.5	4.2	3.9	5.0	4.1	5.6	7.0	7.3	5.6	4.3	3.8	4.0	4.3	4.8	3.5	4.9	4.5	4.4	3.3	2.8	2.3	2.4	2.9	2.6
9	3.4	3.7	0.9	1.9	2.5	4.0	2.6	1.6	1.7	1.5	1.7	1.5	2.5	2.9	1.6	2.5	1.8	2.8	2.6	1.8	1.3	2.9	2.5	3.4
10	2.9	4.2	5.4	5.3	4.5	4.8	4.7	4.9	1.4	1.6	1.8	2.5	2.4	2.7	3.0	1.9	2.8	2.5	2.3	1.7	1.1	2.7	2.5	4.0
11	3.2	5.3	5.6	5.9	5.0	4.6	4.5	3.3	1.6	1.5	1.0	1.8	2.9	2.8	2.9	3.2	3.7	4.3	5.4	4.7	5.2	4.0	2.3	3.9
12	5.2	4.7	4.9	5.0	3.9	3.4	4.4	2.4	1.6	1.4	2.2	2.8	3.9	5.1	3.9	3.6	4.4	3.7	5.1	5.3	4.5	5.9	2.8	2.4
13	3.2	4.2	4.9	5.0	4.2	3.9	4.0	4.5	3.3	1.7	1.9	2.6	3.8	4.3	4.6	3.6	3.3	6.0	8.4	8.3	7.8	6.0	4.0	3.6
14	3.5	1.6	3.4	2.3	3.6	4.6	3.8	3.4	3.3	1.1	1.4	2.2	3.5	4.6	3.4	4.2	6.8	10.9	11.5	9.1	3.9	5.0	3.5	3.6
15	4.8	5.5	3.6	2.8	3.3	2.3	2.1	1.5	1.3	1.5	1.5	1.7	2.4	4.0	3.6	3.8	9.0	9.5	6.4	8.9	7.6	6.8	5.0	3.4
16	3.3	3.8	4.1	4.0	3.2	2.7	4.0	2.4	2.5	2.2	3.0	4.6	6.1	7.2	6.1	6.6	5.6	4.1	2.1	1.7	1.1	1.8	3.2	2.6
17	0.9	2.0	1.6	1.5	1.1	1.0	1.2	1.2	3.0	2.5	2.5	3.0	2.5	3.0	2.3	2.1	2.0	1.4	1.5	0.6	0.7	2.6	2.1	1.3
18	4.0	4.2	4.5	4.6	2.3	2.5	3.2	1.4	1.3	1.5	1.8	2.7	3.4	3.3	3.3	3.9	4.9	4.8	5.2	4.3	5.8	8.3	4.7	3.2
19	4.7	5.8	3.9	3.0	3.2	3.1	2.6	3.1	2.0	1.7	1.9	1.5	2.0	2.1	3.1	[PA]	[PA]	[PA]	6.1	10.3	9.4	4.6	3.0	4.3
20	2.9	4.4	4.6	5.0	4.1	3.3	1.3	1.6	1.3	2.1	1.5	2.2	2.8	2.2	3.2	3.1	4.6	4.9	7.4	7.6	4.3	6.6	7.1	7.0
21	6.8	6.3	6.4	4.4	4.5	3.1	5.6	6.4	6.5	5.3	4.0	2.7	2.4	1.8	2.3	2.5	3.0	3.4	3.5	1.9	0.9	1.4	5.4	6.1
22	5.4	4.9	4.8	4.9	5.1	5.0	5.7	2.9	2.9	3.5	2.0	2.1	2.0	2.3	1.8	2.1	2.7	2.1	3.5	2.2	1.3	2.0	2.6	4.0
23	4.6	4.5	5.1	6.0	4.8	4.2	3.2	1.9	3.0	2.6	2.7	2.4	3.3	3.8	3.5	3.6	4.8	3.2	3.1	1.8	1.7	2.7	3.2	1.8
24	2.7	2.4	2.2	2.4	2.9	1.5	3.6	2.5	2.4	3.2	3.1	4.7	5.2	4.5	4.6	3.5	3.4	3.9	2.9	1.8	2.0	2.7	2.7	2.7
25	1.8	3.3	4.4	4.4	3.7	3.6	3.9	2.1	2.2	2.4	2.2	2.7	2.9	3.5	2.9	3.1	4.1	3.5	3.2	2.4	1.4	2.3	2.1	4.8
26	4.4	4.1	5.4	4.5	4.8	4.2	3.4	1.3	1.4	1.3	1.9	3.6	4.4	3.1	5.6	4.4	5.1	4.6	3.9	6.6	6.1	5.4	4.0	4.4
27	5.8	5.3	4.1	7.1	6.2	5.7	4.7	5.4	5.1	3.5	2.6	2.3	3.2	3.2	3.1	2.5	2.8	7.5	6.8	3.7	5.5	6.7	6.8	6.6
28	3.6	2.4	3.7	4.8	4.0	4.1	4.7	2.9	1.9	2.0	1.9	2.1	2.6	3.3	2.4	2.4	7.3	5.8	3.3	3.3	4.5	3.0	3.8	5.0
29	4.9	5.1	3.7	3.8	5.2	5.0	4.2	4.9	1.7	1.6	1.7	2.2	2.6	3.1	2.9	3.9	7.0	8.0	7.5	6.5	8.2	7.3	7.2	6.6
30	5.4	7.2	5.7	2.7	4.8	5.0	4.7	4.6	3.6	3.5	3.3	3.6	3.1	4.4	4.0	3.8	5.8	7.8	8.0	7.3	4.5	5.3	2.5	2.6
AVG.	4.3	4.5	4.6	4.6	4.3	4.1	4.3	3.6	3.0	2.7	2.7	3.1	3.7	4.0	4.1	4.1	5.0	5.3	5.5	5.2	5.0	5.0	4.4	4.5

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Palmdale

LATITUDE : 34 degrees 33 minutes 26 seconds

MONTH : June

ELEVATION : 2760 feet

LONGITUDE : 118 degrees 06 minutes 46 seconds

YEAR : 1995

PARAMETER : Mean Horizontal Wind Speed (meters per second)

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	3.0	2.6	3.4	3.4	4.3	1.6	3.2	6.6	8.1	11.0	10.2	9.2	8.4	13.4	13.6	14.1	12.6	11.5	9.3	8.9	7.3	7.8	8.2	8.0
2	8.1	7.5	7.5	7.1	8.2	8.3	6.8	5.4	6.9	10.0	9.6	8.1	7.2	7.9	7.6	6.1	6.9	7.4	7.2	7.2	8.4	7.2	7.0	7.1
3	7.9	9.5	7.0	6.8	5.3	2.9	2.9	1.2	1.2	1.3	1.7	3.1	5.6	8.1	9.1	6.0	5.0	4.9	4.2	4.6	2.9	3.8	3.0	3.1
4	2.6	1.9	2.1	2.0	2.4	2.4	1.8	1.6	1.6	1.4	1.8	2.4	4.9	6.8	8.4	7.9	7.3	6.5	3.8	3.4	3.2	3.9	4.0	1.8
5	1.7	1.2	1.0	0.9	1.0	1.5	1.7	1.2	2.4	4.2	6.6	7.7	8.0	8.6	10.4	11.0	8.3	5.6	3.2	3.5	2.4	2.3	4.1	6.8
6	2.8	2.1	1.5	1.7	1.5	1.5	1.0	4.6	7.6	7.5	7.7	8.5	9.0	10.1	10.6	10.4	9.6	9.5	8.3	8.6	8.6	5.4	4.7	3.8
7	1.6	2.5	1.7	1.5	2.0	2.1	3.4	4.7	5.0	6.6	4.3	6.4	8.0	8.4	8.4	9.2	9.9	8.3	7.6	4.7	3.9	2.8	2.5	2.7
8	3.4	5.0	4.9	7.3	7.6	6.8	7.1	5.6	6.5	3.3	4.1	4.9	6.4	6.1	5.4	6.5	5.5	6.6	6.0	3.7	4.7	4.9	3.7	3.3
9	3.5	4.5	5.0	3.7	2.1	1.3	0.5	0.9	1.9	2.3	1.8	2.0	2.2	2.6	2.5	4.7	6.4	5.6	4.7	4.2	2.3	3.3	2.8	1.6
10	1.8	2.0	1.9	2.4	2.7	1.9	0.9	1.5	1.6	2.0	1.9	1.8	2.2	1.7	1.8	1.7	6.0	6.7	4.4	5.2	4.3	1.3	0.8	1.2
11	1.4	1.8	1.4	1.7	2.3	1.3	0.9	1.1	1.3	1.8	1.4	2.9	5.3	6.5	6.3	7.5	8.4	8.0	7.3	7.2	3.6	1.3	1.9	4.0
12	3.1	1.9	1.0	1.5	0.6	0.8	0.5	0.9	1.0	2.8	5.6	6.5	7.6	9.2	9.2	9.1	9.1	8.2	7.1	3.5	4.1	2.4	3.9	4.0
13	3.4	2.7	2.9	3.3	3.7	2.3	2.7	2.4	2.0	2.9	5.1	8.0	9.4	9.4	9.7	10.1	10.2	7.6	9.2	8.1	2.9	3.4	3.5	6.3
14	4.2	4.3	3.2	3.5	3.7	4.0	3.3	2.8	3.5	3.7	4.4	[PA]	[PA]	[PA]	7.7	10.9	9.8	8.1	3.1	2.6	3.1	4.1	3.1	4.6
15	8.4	8.6	8.9	9.5	9.6	10.2	10.2	8.5	6.7	5.7	6.7	7.5	7.4	7.4	6.5	6.0	7.6	12.0	11.3	5.0	4.2	3.8	4.3	3.7
16	4.4	3.6	2.0	2.2	2.7	2.3	3.4	8.8	8.3	5.8	5.2	4.6	1.9	3.3	3.7	6.7	6.4	5.3	5.1	3.6	4.2	2.9	2.8	3.6
17	4.8	2.0	2.4	1.8	1.5	1.4	1.0	1.4	1.6	1.5	2.0	3.8	4.0	4.6	5.1	5.7	5.6	5.1	4.4	2.8	3.2	3.0	1.8	2.0
18	3.2	1.5	1.3	1.1	1.9	1.9	1.2	1.3	1.0	1.3	1.5	3.9	6.4	7.7	7.1	7.8	8.1	7.2	5.1	3.2	2.2	0.8	2.9	2.0
19	1.1	2.2	1.6	1.6	1.2	1.3	0.6	1.2	1.2	4.5	4.9	5.4	6.7	6.7	6.2	6.5	7.3	7.3	6.0	4.5	4.9	3.6	1.5	2.1
20	1.9	1.4	0.8	1.2	0.8	0.8	1.1	1.0	1.8	1.9	3.2	3.9	4.8	4.9	5.5	5.7	6.1	5.9	5.0	3.8	3.1	1.1	1.4	2.6
21	2.4	1.5	2.0	2.0	1.3	1.0	1.5	1.7	3.3	3.5	2.9	2.4	2.2	2.1	2.2	3.1	4.6	5.6	3.0	2.0	2.0	1.4	1.6	1.9
22	2.4	2.0	1.8	2.6	2.9	2.1	0.7	1.2	1.2	1.7	2.0	2.1	2.2	2.2	2.0	5.7	6.8	6.5	5.4	3.6	1.6	1.3	1.6	1.9
23	2.6	2.7	2.8	2.9	2.9	2.2	0.8	1.0	1.5	2.2	2.7	2.7	3.3	2.0	2.3	2.2	5.6	7.1	6.3	5.0	3.6	2.6	1.6	2.1
24	2.2	2.3	1.9	2.5	2.7	2.4	1.3	1.6	1.6	2.2	2.1	1.6	2.7	3.0	2.7	2.6	6.5	7.0	5.3	2.9	3.4	2.9	2.8	2.2
25	2.2	2.3	1.6	2.2	2.1	1.7	0.8	0.6	1.3	1.7	2.5	2.1	2.1	2.2	5.7	7.6	7.8	7.3	5.4	3.1	3.8	3.0	2.4	2.1
26	1.8	2.1	2.6	2.3	2.7	2.6	1.5	0.5	1.4	1.6	1.5	1.6	5.4	7.3	7.9	9.0	6.6	4.3	5.1	6.9	8.6	7.2	3.3	6.1
27	4.6	4.5	2.7	1.9	1.8	2.6	1.6	1.6	3.0	3.9	4.3	5.7	7.4	9.5	10.0	10.1	8.4	7.9	8.6	10.6	6.0	4.6	4.1	5.7
28	8.1	7.3	5.8	3.6	1.7	1.8	1.3	4.2	6.5	5.9	6.3	8.5	8.8	9.3	7.5	6.8	7.3	7.4	9.0	3.9	4.5	3.4	3.2	7.3
29	2.5	2.6	4.2	1.7	1.8	2.5	6.1	6.5	5.2	5.3	5.9	4.6	6.7	7.5	8.6	8.5	8.1	6.4	5.6	5.3	5.8	3.8	4.1	4.6
30	1.3	2.3	2.3	1.3	1.5	2.6	3.0	5.6	4.1	5.0	6.2	6.6	6.6	6.6	6.9	7.2	7.7	8.9	9.2	10.3	9.9	8.7	8.7	7.9
AVG.	3.4	3.3	3.0	2.9	2.9	2.6	2.4	2.9	3.3	3.8	4.2	4.8	5.6	6.4	6.7	7.2	7.5	7.2	6.2	5.1	4.4	3.6	3.4	3.9

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Quartzite Mountain

ELEVATION : 4482 feet

PARAMETER : Mean Horizontal Wind Speed (meters per second)

LATITUDE : 34 degrees 36 minutes 38 seconds

LONGITUDE : 117 degrees 17 minutes 20 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	4.8	5.0	5.9	6.6	5.5	4.3	3.8	5.1	4.9	7.1	9.7	9.4	8.1	10.4	11.8	11.8	9.2	8.9	9.6	9.7	9.1	9.6	9.2	10.2
2	10.2	11.2	9.5	8.9	9.6	9.0	7.4	6.0	5.7	4.7	5.2	5.1	5.3	5.4	8.3	6.9	8.6	8.4	8.7	9.7	10.2	9.4	10.0	8.5
3	8.7	8.4	7.3	6.4	4.8	4.3	3.5	2.1	1.8	2.1	3.1	2.9	3.3	3.2	3.6	2.5	4.6	5.9	5.1	5.9	5.9	7.2	6.9	8.4
4	8.0	5.8	4.8	4.1	4.6	4.7	3.5	3.4	2.1	2.2	1.9	3.4	6.4	7.4	9.0	9.5	9.0	7.1	4.8	5.5	7.9	8.6	7.4	7.1
5	6.4	6.5	7.2	6.9	6.4	7.0	11.1	8.6	6.0	6.0	6.2	7.0	7.7	7.7	7.5	7.5	7.8	7.5	8.6	8.9	8.2	8.1	8.5	8.3
6	7.4	6.8	6.5	6.2	6.9	8.0	5.2	3.4	3.0	4.0	4.5	6.2	6.7	7.3	7.1	7.2	7.6	7.9	8.3	7.8	8.0	10.8	9.3	9.7
7	11.8	9.6	7.2	4.6	4.4	4.5	4.2	3.6	5.6	6.1	6.1	6.6	5.5	9.0	9.2	9.0	10.2	9.9	6.8	4.1	3.9	3.1	4.3	5.9
8	6.9	7.1	7.3	7.5	6.5	5.1	5.4	4.5	3.4	2.9	3.2	4.2	4.4	5.4	5.7	5.7	5.0	4.9	4.8	4.7	6.7	7.0	6.3	6.4
9	5.5	5.4	5.4	4.8	3.3	4.0	3.1	1.7	1.7	1.8	2.9	2.9	3.1	2.2	3.0	2.1	2.1	1.9	3.0	3.6	3.9	5.3	4.6	3.9
10	3.5	2.9	2.4	1.9	2.7	2.6	1.5	1.7	1.2	1.0	1.9	3.8	3.3	2.5	2.5	3.3	3.2	2.5	3.0	3.3	4.4	4.5	4.6	5.3
11	6.4	5.1	4.3	4.8	3.1	3.1	2.6	0.7	0.9	1.0	1.8	3.4	3.8	5.3	4.5	5.0	6.5	7.0	5.5	5.4	5.4	4.2	2.8	2.6
12	3.3	3.9	3.8	2.0	2.3	1.5	1.2	1.3	2.8	3.3	5.8	7.9	9.8	10.5	10.9	10.1	9.4	8.5	7.8	7.0	6.2	5.5	5.6	6.3
13	6.4	5.3	5.3	4.0	2.9	3.5	4.0	5.5	5.0	4.0	4.4	6.8	9.0	9.9	10.5	10.1	9.4	8.9	5.8	5.5	6.9	7.3	3.7	4.3
14	4.5	7.5	4.3	1.5	2.7	4.3	6.3	3.4	5.9	7.0	7.5	9.2	9.1	10.6	11.8	12.2	11.0	8.7	7.3	6.4	6.3	6.3	5.9	6.0
15	7.0	7.8	8.3	8.1	8.6	7.7	7.2	7.2	7.1	[PA]	[PA]	10.5	12.3	12.1	12.1	12.3	9.7	10.6	9.0	8.9	5.3	6.3	6.5	4.1
16	4.1	3.7	4.1	3.6	6.7	6.6	6.3	9.0	11.3	11.3	10.5	8.3	5.7	7.6	7.1	6.9	7.9	7.5	6.1	6.2	5.5	5.6	5.6	4.6
17	4.8	4.2	4.5	4.6	3.6	4.5	3.6	2.7	1.6	1.8	2.3	1.6	2.6	2.7	2.4	3.3	3.1	4.0	3.3	4.2	5.0	5.2	5.8	7.0
18	6.8	5.7	5.5	6.3	5.8	6.2	4.9	4.9	3.7	2.3	2.5	1.9	2.9	5.9	6.7	8.3	7.8	6.8	4.7	4.0	4.8	6.0	6.8	6.1
19	5.6	5.5	5.7	5.4	6.0	5.1	4.8	3.9	3.9	4.2	4.3	4.0	4.7	4.7	5.9	7.4	7.8	6.6	5.4	7.6	6.3	6.8	6.6	7.0
20	7.3	7.1	7.5	6.9	6.8	6.2	6.0	5.2	4.9	3.8	4.0	3.5	3.8	4.3	5.7	5.3	4.9	5.0	5.2	6.2	6.4	6.6	7.1	6.7
21	5.6	4.2	4.1	4.2	3.2	2.9	2.9	3.5	2.8	1.9	1.8	1.5	2.7	2.1	2.8	2.6	2.5	2.7	5.0	6.5	6.7	7.1	6.5	4.4
22	3.5	3.2	4.9	3.3	2.7	1.7	1.7	1.4	1.4	1.8	2.3	2.3	3.0	2.8	3.3	2.3	2.6	4.1	3.8	4.8	5.4	6.1	4.7	4.4
23	3.7	3.0	2.6	2.5	2.1	1.9	1.5	1.5	2.8	2.9	3.0	3.3	3.6	3.9	4.4	5.1	4.0	4.3	3.7	3.7	3.3	5.4	5.8	5.5
24	5.5	5.1	4.1	3.1	2.4	2.5	2.2	1.7	1.1	1.5	2.4	2.3	3.3	4.7	4.6	3.3	2.8	5.0	4.4	4.2	6.2	7.6	5.7	5.1
25	4.4	4.4	4.6	4.3	3.7	3.5	3.1	2.0	1.9	1.2	1.6	1.7	3.2	2.5	3.3	2.3	4.9	6.0	5.2	5.1	6.1	4.9	4.8	4.8
26	4.9	5.0	4.3	4.2	4.2	4.0	2.9	3.0	2.1	2.2	3.1	3.6	5.0	9.5	9.0	9.4	6.6	4.8	3.1	3.8	4.2	6.2	7.2	7.8
27	7.7	5.2	6.2	5.9	6.0	5.5	4.7	3.3	3.2	3.7	5.0	5.3	7.5	9.1	10.1	8.8	9.9	9.9	8.5	8.9	7.7	7.4	8.0	7.1
28	6.9	7.2	6.3	5.4	4.9	3.6	4.1	4.3	4.4	3.9	5.5	7.0	8.1	10.0	11.3	10.8	11.0	10.3	9.4	9.3	9.0	8.3	7.8	9.7
29	9.4	8.2	8.6	10.1	8.3	7.7	5.6	5.2	6.2	4.8	3.3	2.4	3.0	3.2	3.9	5.1	7.5	5.9	5.9	6.0	7.2	8.1	8.0	6.7
30	7.3	7.4	6.9	7.3	7.0	5.1	4.9	5.3	4.8	5.7	7.0	5.9	5.5	6.3	9.8	10.7	10.3	9.8	9.6	8.9	8.7	9.5	9.4	9.2
AVG.	6.3	5.9	5.6	5.2	4.9	4.7	4.3	3.8	3.8	3.7	4.2	4.8	5.4	6.3	6.9	6.9	6.9	6.7	6.0	6.2	6.4	6.8	6.5	6.4

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Shadow Mountain

ELEVATION : 4120 feet

PARAMETER : Mean Horizontal Wind Speed (meters per second)

LATITUDE : 34 degrees 44 minutes 15 seconds

LONGITUDE : 117 degrees 33 minutes 54 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	4.3	5.0	4.7	5.7	5.8	4.4	4.4	2.6	2.7	2.7	2.8	6.5	4.9	5.3	8.6	10.3	13.7	13.6	13.1	12.8	12.9	12.5	14.0	12.5
2	12.4	12.5	13.3	13.1	13.2	12.4	12.2	10.5	9.5	10.4	10.9	10.6	12.3	14.0	14.3	15.5	15.6	13.9	13.9	12.9	14.6	14.7	14.6	13.2
3	12.8	12.1	10.9	9.3	9.3	8.1	6.4	4.8	3.3	2.5	2.2	2.0	2.6	3.3	4.3	6.2	10.6	12.1	11.4	12.0	11.8	11.1	10.6	10.1
4	9.9	9.5	9.4	8.7	6.9	7.0	6.0	4.5	3.2	3.1	2.2	2.9	3.8	4.3	4.3	7.8	11.1	13.6	12.5	11.7	11.4	13.2	12.7	12.3
5	12.2	11.4	11.2	12.7	11.7	12.1	11.6	11.4	12.5	12.4	14.8	15.9	15.9	15.7	17.6	18.1	15.2	15.2	14.0	16.3	13.4	11.8	12.4	11.9
6	11.0	10.4	11.2	10.7	9.3	9.0	7.7	8.7	9.0	10.2	10.7	12.6	14.9	14.7	15.8	15.1	17.3	19.0	15.9	16.3	16.5	15.5	13.0	10.9
7	6.0	5.3	5.4	6.5	7.6	8.0	9.1	10.4	11.0	12.0	10.9	12.4	10.4	8.3	10.0	12.2	12.4	11.2	11.3	10.3	9.1	7.5	6.9	7.1
8	7.4	8.1	8.6	8.5	8.1	7.4	7.2	8.3	8.1	7.7	9.6	8.9	8.8	9.7	11.2	10.9	8.6	9.2	10.3	10.6	9.9	9.8	9.6	9.2
9	8.7	8.6	8.8	7.6	7.3	6.8	5.7	4.6	2.7	1.7	1.4	2.2	2.3	3.0	3.7	2.4	3.6	4.2	3.3	7.3	8.5	8.7	7.9	7.4
10	6.5	5.5	5.0	4.3	5.4	2.9	1.2	1.6	1.5	1.8	2.2	3.1	2.3	2.9	2.1	2.5	1.9	2.3	3.5	7.4	8.1	8.2	7.8	8.2
11	7.9	8.1	7.7	7.7	7.8	8.0	5.7	3.2	1.7	1.8	2.1	2.5	2.5	3.7	4.4	4.2	9.0	10.3	10.8	9.2	9.3	8.5	7.9	6.8
12	6.9	7.6	6.3	5.9	5.7	5.8	5.6	4.1	2.3	2.7	3.4	3.4	4.0	5.2	8.4	11.1	11.3	12.1	11.1	10.5	12.1	12.4	9.1	9.0
13	9.1	9.1	8.0	6.8	8.3	7.1	5.3	4.5	3.7	5.8	6.2	5.2	7.4	9.9	11.1	13.5	14.0	13.0	9.8	10.5	12.5	12.1	9.6	9.4
14	9.9	8.6	7.5	8.8	9.1	9.4	8.2	7.8	7.3	6.0	4.9	7.1	11.9	13.8	14.5	14.2	14.1	12.4	11.3	12.4	11.9	13.8	12.7	13.2
15	11.4	7.8	7.7	8.1	8.8	8.8	9.4	9.8	11.0	9.9	12.0	13.8	13.6	12.6	[PA]	[PA]	[PA]	11.9	13.1	14.9	14.1	12.3	12.4	11.4
16	12.0	11.4	11.3	8.0	6.5	9.9	8.7	7.6	6.1	13.3	11.5	7.7	4.8	5.1	7.5	6.5	6.4	3.3	2.7	3.5	5.7	6.8	6.9	7.7
17	8.0	7.5	8.4	7.6	7.4	7.0	5.5	4.4	2.8	2.8	3.5	3.2	3.8	5.0	4.7	5.4	6.2	9.0	10.2	10.4	8.9	9.7	8.5	9.3
18	9.4	8.8	8.5	8.6	8.3	7.9	6.4	4.1	2.1	1.4	2.1	3.5	5.5	6.0	7.3	8.9	10.7	11.5	12.4	10.9	10.2	11.4	12.6	11.8
19	12.4	10.7	9.0	8.5	8.4	9.7	8.9	9.7	9.5	9.1	9.2	8.7	8.4	8.3	9.9	10.7	12.0	13.3	11.6	11.7	11.3	11.8	12.3	12.8
20	12.6	12.7	10.6	10.0	11.4	11.1	9.7	8.9	8.8	8.4	8.4	8.9	8.9	10.6	10.9	12.3	13.9	13.1	13.9	14.0	13.5	11.5	11.0	9.5
21	8.6	7.8	6.1	3.8	4.4	2.5	1.9	2.7	3.1	5.1	3.8	2.8	2.4	2.0	2.8	3.6	4.9	6.0	9.7	8.5	9.3	9.4	8.7	8.0
22	6.6	6.3	6.1	5.8	3.9	2.4	2.6	1.2	1.5	2.4	3.4	3.3	2.8	2.5	2.9	2.7	3.4	2.8	5.3	8.8	8.8	7.9	7.8	7.2
23	6.6	7.1	6.6	4.6	4.1	2.8	1.6	1.3	2.0	3.2	4.1	3.1	3.9	3.6	3.2	3.5	2.8	1.8	1.8	3.6	8.1	8.3	7.3	6.8
24	7.2	7.1	7.0	6.6	4.5	3.7	2.2	1.7	2.3	3.4	3.2	2.3	2.9	3.3	3.0	2.9	3.2	2.1	3.0	6.2	8.4	8.0	7.4	7.6
25	8.2	7.6	7.4	7.3	7.6	6.8	5.0	3.5	1.8	2.0	2.1	2.2	2.6	3.7	3.1	2.3	3.0	7.8	10.8	9.9	9.4	7.9	7.8	7.4
26	7.2	6.7	6.8	6.4	6.2	5.7	5.5	3.7	2.7	2.5	2.6	2.8	4.5	6.8	10.0	10.4	9.8	8.7	7.0	6.9	6.9	6.4	6.6	7.3
27	7.1	7.7	8.3	7.5	7.3	6.6	5.0	4.3	3.0	2.3	2.2	2.6	3.2	6.7	6.3	6.6	10.7	11.9	9.8	9.4	10.2	10.3	9.6	9.6
28	9.6	10.2	10.0	9.5	9.4	7.9	7.2	7.4	7.3	6.5	5.8	5.5	5.3	7.0	9.1	10.1	9.3	10.2	9.8	9.6	7.5	6.1	6.3	5.9
29	5.2	4.4	4.5	4.8	5.7	5.9	4.7	3.6	4.5	5.2	4.3	3.8	3.7	4.6	4.5	6.3	9.4	11.0	10.6	10.0	9.7	9.7	9.2	8.9
30	8.9	8.7	8.6	8.4	8.1	7.7	7.4	7.9	8.5	9.8	9.5	8.8	12.1	11.3	11.9	11.9	11.9	11.5	10.6	9.1	8.2	7.7	8.6	7.1
AVG.	8.9	8.5	8.2	7.7	7.6	7.2	6.3	5.6	5.2	5.6	5.7	5.9	6.4	7.1	7.8	8.6	9.5	9.9	9.8	10.3	10.4	10.2	9.7	9.3

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Baldy Mesa

LATITUDE : 34 degrees 23 minutes 20 seconds

MONTH : June

ELEVATION : 4250 feet

LONGITUDE : 117 degrees 26 minutes 33 seconds

YEAR : 1995

PARAMETER : Peak Wind Gust (meters per second)

	HOUR (PST)																								
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[CA]	[CA]	[CA]	12.0	10.5	11.5	10.9	10.2	8.3	7.8	7.3	7.0	5.7	
4	4.3	3.4	2.0	2.4	2.5	2.4	1.6	3.1	3.4	7.7	7.9	8.5	10.0	10.6	12.0	12.7	11.5	10.8	10.0	9.1	8.1	8.0	5.8	5.2	12.7
5	3.2	5.2	5.7	4.5	6.1	8.7	9.3	9.5	10.5	10.9	10.1	10.6	11.8	9.7	8.4	12.0	10.6	13.6	12.3	10.4	13.5	15.2	12.0	14.9	15.2
6	9.9	9.1	7.1	11.6	9.9	9.2	7.9	9.3	11.4	11.2	8.7	13.6	13.8	10.0	8.1	8.2	9.3	8.9	9.5	6.8	14.2	14.7	13.7	10.6	14.7
7	11.4	9.1	7.8	6.9	6.8	6.2	7.2	10.5	9.9	8.8	10.3	12.2	12.6	12.9	15.3	14.4	13.5	11.6	11.0	8.3	8.1	9.8	9.0	9.3	15.3
8	9.4	8.9	9.8	10.5	9.4	9.6	8.6	7.6	7.4	6.9	8.6	9.6	10.5	9.4	9.9	8.9	9.3	8.9	9.0	8.6	8.4	8.7	6.5	5.8	10.5
9	5.5	5.1	3.9	3.0	3.3	3.4	4.5	4.7	4.6	5.2	7.0	7.7	8.4	6.5	7.8	7.6	7.4	7.6	9.1	8.2	6.9	5.7	4.3	3.5	9.1
10	2.4	2.6	2.5	1.6	0.8	3.5	3.2	3.1	5.2	6.5	6.4	6.6	6.2	6.7	9.6	6.0	6.8	8.5	9.2	8.6	7.2	7.2	5.0	3.7	9.6
11	2.0	2.4	2.5	3.0	2.5	2.3	2.2	3.4	3.4	7.8	9.1	11.4	13.5	12.0	11.3	10.4	11.1	10.7	9.0	9.4	9.1	7.9	8.0	8.1	13.5
12	7.3	7.0	6.7	5.5	4.6	3.4	4.6	7.6	10.9	12.0	10.0	11.6	12.8	13.9	13.4	13.2	12.7	11.9	11.5	11.9	10.5	10.7	7.9	9.0	13.9
13	7.9	8.1	6.7	6.4	8.4	10.0	10.3	10.6	10.6	11.3	11.5	12.4	12.4	12.7	13.5	13.6	14.1	15.6	13.2	12.0	11.8	11.6	12.0	11.0	15.6
14	10.6	11.0	11.4	12.2	12.4	11.5	12.6	13.7	[PA]	[PA]	[PA]	14.7	14.4	15.2	15.9	13.7	13.3	13.9	10.5	12.0	12.0	11.2	12.6	11.9	
15	13.0	13.6	13.2	14.3	15.8	16.0	16.2	17.3	15.3	13.8	14.7	14.3	15.8	17.0	17.3	16.3	14.2	14.4	17.9	11.6	14.4	14.0	12.0	15.6	17.9
16	17.0	12.7	14.6	16.0	15.2	15.0	13.0	16.5	15.7	14.5	14.2	11.9	11.3	9.0	12.2	10.9	9.2	8.6	9.2	9.3	7.2	7.8	7.4	7.3	17.0
17	7.0	5.2	4.8	5.3	5.1	6.3	7.0	5.6	5.3	4.7	7.9	7.7	8.1	8.7	9.0	10.5	10.1	9.5	8.0	7.7	6.8	6.7	5.5	3.9	10.5
18	2.4	2.6	3.3	3.2	3.1	2.5	3.1	4.0	7.1	8.3	9.5	9.9	12.0	12.2	13.2	12.9	12.0	11.3	10.1	8.5	8.0	8.5	7.9	6.6	13.2
19	4.4	4.8	4.9	3.8	5.1	4.6	3.4	6.4	8.3	9.3	10.2	11.3	10.8	11.4	11.8	12.5	12.0	12.0	9.6	7.9	8.1	9.1	10.8	4.5	12.5
20	4.4	5.3	5.2	5.2	4.6	5.4	7.9	8.3	8.4	8.1	8.5	9.8	9.9	10.0	10.1	10.3	10.6	10.7	10.6	7.8	6.4	6.2	4.9	3.9	10.7
21	7.3	8.4	4.3	4.7	5.6	4.7	4.7	7.3	6.1	6.2	6.6	6.3	8.0	9.3	9.6	9.2	9.4	9.3	8.6	6.7	5.7	5.2	4.0	2.8	9.6
22	2.1	2.6	2.0	2.3	2.3	2.5	2.4	4.4	5.2	6.0	6.3	7.6	8.0	8.5	8.5	9.2	7.2	7.9	7.4	6.7	5.8	4.1	2.5	4.2	9.2
23	3.1	3.1	3.0	3.0	1.0	1.5	2.5	3.2	5.6	6.5	8.6	13.7	8.2	7.6	9.2	6.7	6.2	7.4	7.2	5.8	5.3	5.4	8.5	6.7	13.7
24	6.6	5.4	2.6	2.4	3.4	3.3	3.1	4.2	6.0	7.4	8.1	8.0	9.3	7.9	9.1	7.0	7.9	5.2	5.5	6.1	6.4	7.3	6.3	5.4	9.3
25	5.4	3.0	3.2	4.6	3.6	2.8	2.8	4.3	5.5	5.9	6.2	7.7	8.5	8.1	9.4	8.6	8.1	10.0	9.3	8.9	8.0	7.3	5.8	5.6	10.0
26	6.4	4.5	4.2	5.2	4.5	4.2	1.9	3.9	5.8	5.2	5.5	7.3	8.8	10.3	11.7	13.0	12.7	11.3	9.9	9.2	9.0	9.4	10.4	10.7	13.0
27	11.0	9.7	7.9	9.0	9.0	9.1	8.5	9.1	9.1	9.8	11.1	10.9	11.8	13.3	14.7	15.0	16.5	13.9	14.1	12.9	12.8	11.6	13.0	10.4	16.5
28	10.5	8.8	8.0	7.7	7.7	8.2	7.3	8.2	9.0	11.3	11.4	11.4	14.2	14.0	14.1	14.6	13.1	11.5	9.9	8.2	8.3	9.5	10.2	9.5	14.6
29	8.0	7.9	9.4	8.4	8.9	6.9	8.7	11.5	11.7	11.1	9.7	10.0	9.8	10.7	10.8	12.0	11.4	12.0	12.0	11.1	11.8	11.7	10.7	10.6	12.0
30	10.0	8.8	9.2	9.6	10.2	9.7	8.5	7.3	6.4	6.9	8.1	9.4	11.2	10.9	12.7	12.6	13.2	13.0	12.6	13.8	13.6	12.4	13.4	11.2	13.8

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Boron

ELEVATION : 2460 feet

PARAMETER : Peak Wind Gust (meters per second)

LATITUDE : 35 degrees 01 minutes 00 seconds

LONGITUDE : 117 degrees 39 minutes 00 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

	HOUR (PST)																								
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	12.7	15.8	16.6	17.4	13.9	12.8	12.5	13.8	13.2	13.0	
2	14.6	10.1	11.4	11.6	14.0	12.8	10.1	11.8	10.8	13.9	13.7	12.9	14.2	13.3	14.9	14.7	15.8	15.8	13.5	12.4	13.8	12.0	12.0	12.7	15.8
3	12.5	12.4	10.3	9.5	7.8	7.1	7.4	5.3	4.4	4.6	5.0	3.5	4.6	6.6	6.6	7.8	10.6	9.9	9.6	10.1	8.2	8.5	8.5	8.4	12.5
4	7.6	7.6	3.7	2.6	2.0	2.8	2.1	3.1	3.2	4.5	4.4	7.0	6.3	8.5	9.7	11.1	12.6	12.0	10.8	10.3	8.6	8.8	6.5	5.3	12.6
5	7.3	10.5	12.3	11.6	11.7	10.3	12.0	13.6	13.4	13.8	15.9	17.9	17.9	16.3	16.9	17.0	17.8	19.4	16.9	13.7	12.3	10.1	8.4	7.3	19.4
6	8.9	7.9	7.3	6.1	6.7	5.9	7.6	7.3	9.0	12.0	14.2	13.8	15.4	16.2	19.0	15.2	16.3	19.4	18.4	12.7	14.6	17.4	8.7	6.7	19.4
7	5.2	3.6	4.3	3.8	5.2	5.9	6.5	9.2	9.7	12.0	14.1	10.6	12.4	10.8	11.9	12.0	12.4	11.1	9.7	8.7	5.4	3.3	5.1	6.4	14.1
8	6.7	6.9	6.9	8.1	7.6	7.6	8.0	7.3	9.1	9.5	12.4	11.7	16.8	14.4	15.9	8.7	11.4	9.4	8.5	9.0	10.3	8.9	8.4	7.9	16.8
9	6.8	6.7	6.3	4.7	4.0	2.8	4.3	3.1	4.1	4.2	3.3	4.9	4.0	6.2	4.9	5.9	4.4	3.1	5.9	6.9	7.6	7.1	7.0	5.1	7.6
10	3.3	3.3	1.9	2.4	1.8	1.9	1.7	3.1	3.3	3.9	4.2	6.5	9.9	5.8	4.8	4.2	3.9	4.6	3.9	7.0	5.3	5.9	7.2	6.7	9.9
11	6.3	5.6	3.7	2.9	2.0	1.6	1.8	2.1	2.2	4.8	4.8	6.7	6.7	7.1	6.8	9.3	9.0	11.6	11.6	7.4	6.6	6.2	4.5	2.5	11.6
12	2.9	1.6	1.7	1.4	1.3	3.4	3.8	3.0	3.2	5.3	7.3	6.9	9.2	10.7	10.8	12.2	12.2	13.1	12.3	9.9	9.0	8.2	5.3	6.0	13.1
13	9.3	5.8	6.4	5.9	4.2	5.1	5.1	5.1	6.5	8.5	9.8	10.9	11.2	12.6	12.5	13.2	13.0	13.4	11.9	11.2	11.8	9.0	7.3	8.4	13.4
14	5.7	5.6	3.7	9.2	7.4	6.3	6.7	8.6	9.7	10.8	11.1	13.5	15.4	16.8	16.0	14.6	14.2	14.8	14.1	10.4	11.9	12.5	10.9	10.1	16.8
15	10.5	8.5	7.3	9.0	12.0	10.3	9.5	11.5	11.6	13.1	14.2	16.2	16.2	14.1	16.4	17.0	17.5	15.2	13.5	12.5	8.3	9.3	7.6	8.6	17.5
16	7.1	8.2	7.0	6.7	5.7	8.2	10.2	12.0	11.9	13.2	13.9	11.8	9.2	11.1	11.3	8.3	6.1	7.2	4.7	1.6	2.8	2.5	1.7	1.7	13.9
17	4.4	4.7	4.5	3.7	2.8	2.0	2.9	4.3	4.2	5.3	5.3	4.4	7.0	6.9	6.3	10.3	11.4	11.6	10.4	8.1	7.7	8.4	8.4	6.7	11.6
18	7.3	7.7	6.1	3.2	2.8	2.5	2.9	2.6	3.2	4.2	5.5	6.1	7.9	9.1	10.9	11.1	12.8	13.0	11.9	10.7	8.8	8.6	9.1	7.4	13.0
19	8.3	7.2	8.0	7.7	7.6	7.8	8.1	7.6	9.8	13.1	10.4	9.7	11.2	11.3	12.0	12.3	14.0	12.8	11.7	10.4	9.7	9.7	8.9	8.5	14.0
20	10.4	9.0	8.3	9.1	9.6	9.9	10.0	9.2	10.7	9.6	10.1	12.8	13.2	[PA]	[PA]	14.8	13.1	11.5	10.9	11.2	8.9	9.7	7.8	7.1	
21	6.3	6.2	3.0	2.2	2.0	1.3	1.9	1.5	4.6	5.8	5.4	5.6	5.3	5.3	6.1	7.4	7.8	7.4	9.3	5.2	5.5	7.3	6.3	7.0	9.3
22	5.8	5.1	2.9	2.0	2.6	2.2	1.5	2.2	2.5	3.6	5.5	6.8	8.8	6.6	6.0	5.5	5.5	4.5	4.6	7.2	5.5	5.2	6.2	5.0	8.8
23	4.6	5.1	5.4	3.3	2.9	3.0	2.5	2.8	2.7	4.4	7.0	7.3	9.2	6.1	8.8	9.4	4.7	5.2	4.9	8.0	9.3	5.1	5.9	5.1	9.4
24	5.8	3.9	2.8	2.6	4.5	2.5	2.9	2.2	4.7	6.1	7.2	7.1	5.6	6.0	7.9	4.4	6.7	5.6	4.6	6.6	6.3	4.6	5.7	5.5	7.9
25	5.4	6.0	5.0	5.1	4.9	1.5	3.5	3.7	3.4	5.3	6.3	7.2	6.6	7.0	6.2	5.8	4.0	3.8	10.6	7.4	5.6	5.8	6.7	5.9	10.6
26	4.4	3.8	4.4	4.4	2.8	2.4	4.2	4.5	4.1	4.1	5.2	5.2	5.9	8.2	6.7	14.2	17.4	13.8	11.6	7.6	5.2	5.5	5.7	6.2	17.4
27	4.4	7.6	4.8	3.9	4.0	2.9	5.0	5.9	5.3	5.0	5.3	6.4	6.9	10.1	11.6	11.4	14.1	13.0	11.9	10.2	9.2	7.8	9.0	8.4	14.1
28	7.7	8.0	7.8	6.4	5.1	6.1	6.6	8.0	7.1	8.1	9.1	9.7	10.8	14.7	11.9	12.3	14.3	12.5	12.5	10.9	7.8	6.5	7.4	6.3	14.7
29	2.5	2.5	2.7	2.6	2.4	3.0	5.2	5.9	6.6	5.6	5.9	4.7	5.8	6.1	6.9	8.9	10.9	12.5	10.2	6.6	8.4	9.3	9.0	9.4	12.5
30	8.6	9.1	5.8	7.2	6.8	7.9	8.2	7.0	7.6	9.8	10.2	10.1	11.6	13.2	14.0	12.6	13.2	13.4	12.7	11.6	10.9	9.0	8.8	6.7	14.0

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Catalina Airport

LATITUDE : 33 degrees 24 minutes 00 seconds

MONTH : June

ELEVATION : 1602 feet

LONGITUDE : 118 degrees 24 minutes 30 seconds

YEAR : 1995

PARAMETER : Peak Wind Gust (meters per second)

	HOUR (PST)																								
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
4	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
5	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
6	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
7	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
8	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
9	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
10	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
11	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
12	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
13	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
14	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
15	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	9.0	9.6	10.3	12.3	
16	13.0	11.2	10.6	11.3	12.0	11.3	10.7	8.9	10.0	11.7	13.8	13.0	13.9	14.2	14.6	13.1	12.2	11.7	10.4	10.0	8.2	6.4	4.0	4.0	14.6
17	2.7	2.5	3.1	4.1	3.2	2.7	2.5	3.1	3.3	5.4	4.6	4.0	3.9	5.6	6.0	6.6	6.7	6.2	6.6	7.0	6.1	5.9	6.9	6.9	7.0
18	5.5	5.0	3.8	2.9	2.6	2.6	1.9	2.6	2.9	3.6	4.8	5.1	5.4	5.3	4.7	5.9	8.2	7.3	7.3	8.5	5.5	5.8	3.7	2.7	8.5
19	4.1	4.6	3.4	3.4	3.6	3.0	3.7	4.2	3.1	4.4	4.4	4.6	4.2	4.2	4.9	5.3	5.2	4.9	4.4	2.9	2.8	2.4	1.9	4.0	5.3
20	3.6	4.1	4.9	3.9	3.6	2.3	2.6	2.8	3.6	4.1	4.4	5.0	4.5	3.9	4.6	4.6	4.2	4.8	4.7	4.4	3.9	2.2	1.4	2.1	5.0
21	2.8	4.0	3.7	1.9	1.6	2.0	2.7	4.8	4.4	4.6	4.7	4.6	5.2	4.8	5.4	4.5	4.4	4.3	2.6	2.5	1.9	2.1	2.1	2.5	5.4
22	2.5	3.3	4.1	5.2	5.6	2.2	2.0	2.9	3.5	3.2	3.0	4.0	3.8	3.4	[CA]	[CA]	4.0	4.4	4.6	4.0	3.4	3.7	3.4	3.7	
23	3.5	3.1	2.6	2.1	2.2	1.8	2.1	3.2	2.9	3.6	3.6	3.4	3.6	4.0	4.3	6.1	6.0	5.7	5.0	7.7	6.7	6.1	4.9	5.1	7.7
24	6.2	6.3	4.1	1.8	2.7	2.8	3.3	2.0	2.5	2.6	2.7	2.8	2.8	3.1	3.2	6.3	4.0	4.1	4.1	2.8	1.8	1.9	2.5	2.8	6.3
25	2.9	2.4	2.9	3.7	3.6	2.0	1.7	1.8	3.1	2.9	4.0	3.7	4.3	4.3	4.7	3.8	3.7	3.4	2.2	1.9	2.0	2.2	2.7	4.4	4.7
26	4.2	4.7	4.8	4.5	5.4	5.7	5.7	4.7	4.7	4.4	3.6	4.9	5.1	4.3	5.4	4.4	4.6	4.1	3.7	4.1	4.9	5.8	5.7	3.4	5.8
27	3.5	3.5	3.8	3.1	1.9	1.9	2.7	2.5	4.1	4.6	4.7	4.5	3.8	5.0	4.2	3.6	5.1	5.2	4.7	4.8	3.4	3.2	3.9	2.6	5.2
28	2.5	4.2	3.9	2.4	3.0	3.5	2.1	2.1	2.7	3.9	4.9	5.1	5.7	5.6	5.5	5.4	5.7	5.7	5.1	3.7	4.6	3.0	4.3	4.7	5.7
29	4.4	2.1	2.5	3.2	2.2	2.6	2.6	3.4	4.3	4.8	5.0	3.9	4.9	5.9	6.5	6.3	5.7	4.2	4.9	4.4	4.3	5.2	4.0	4.0	6.5
30	2.8	3.5	3.3	3.1	3.0	3.8	1.9	3.0	2.7	3.1	3.1	5.5	6.3	6.5	8.1	7.8	6.3	6.1	6.1	6.0	6.1	5.8	5.4	5.5	8.1

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Flash II Mountain

ELEVATION : 3325 feet

PARAMETER : Peak Wind Gust (meters per second)

LATITUDE : 34 degrees 58 minutes 15 seconds

LONGITUDE : 117 degrees 02 minutes 22 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

	HOUR (PST)																								
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	6.9	6.7	7.4	6.4	5.3	4.9	5.2	5.5	7.3	7.8	10.2	10.0	14.2	16.5	15.1	18.5	19.6	20.6	20.3	17.4	14.4	14.7	16.5	14.7	20.6
2	14.2	15.5	14.4	18.1	17.4	14.9	15.4	14.1	13.1	12.0	11.5	14.4	13.9	15.9	18.9	20.7	20.8	21.2	19.7	19.0	16.7	16.8	14.9	13.4	21.2
3	11.5	10.1	11.0	12.4	11.3	10.5	8.2	7.9	8.4	7.0	6.2	6.3	6.4	6.4	8.2	7.4	8.1	9.8	13.5	11.0	13.7	11.7	13.0	10.3	13.7
4	10.2	9.0	7.9	5.5	6.8	5.7	5.9	5.7	5.6	6.0	5.6	6.9	9.9	10.0	11.6	12.2	12.9	15.6	15.0	13.4	14.9	13.7	13.9	14.7	15.6
5	13.9	13.5	11.8	15.2	15.2	11.3	13.0	15.2	17.0	16.8	18.8	21.1	21.3	20.6	24.5	24.2	25.6	27.5	23.7	21.0	15.9	12.6	12.2	11.6	27.5
6	11.4	10.9	11.4	12.0	10.7	8.8	8.8	9.5	10.0	12.1	16.4	19.2	23.9	25.0	25.9	20.8	22.4	22.6	21.9	20.5	14.5	17.5	16.2	13.7	25.9
7	8.6	8.4	6.3	5.7	7.5	8.4	7.6	8.1	11.1	10.7	13.5	18.4	16.8	16.4	17.3	13.1	10.2	11.1	12.1	11.5	7.9	5.6	9.3	10.1	18.4
8	10.8	9.5	9.6	9.9	9.8	10.0	9.5	8.4	9.8	9.7	12.9	14.0	11.5	11.5	12.2	11.4	11.6	12.5	10.8	15.7	14.2	11.6	10.7	9.4	15.7
9	8.5	8.8	7.6	8.4	6.7	4.8	5.5	2.7	3.8	4.3	4.8	5.4	8.1	7.3	7.8	7.9	6.5	6.0	4.2	2.2	7.8	7.1	6.8	7.9	8.8
10	8.5	8.1	7.0	6.8	6.0	6.7	5.8	4.8	3.9	4.8	4.8	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[MT]	[MT]	[MT]	8.4	6.7	6.8	9.5	
11	11.4	8.3	9.3	9.0	8.8	8.2	6.7	5.5	5.4	4.8	4.4	5.3	9.0	9.0	9.0	7.8	8.6	9.7	11.3	12.2	10.9	11.7	8.8	8.1	12.2
12	9.0	9.6	9.0	7.7	7.1	6.1	5.4	4.9	4.3	5.1	6.7	7.6	8.7	12.6	12.5	15.2	15.9	15.5	14.7	16.0	15.3	12.8	12.0	12.1	16.0
13	9.6	9.1	10.0	10.2	9.4	8.9	7.2	7.8	7.2	6.5	9.3	11.6	10.9	12.8	11.6	16.7	14.7	15.7	16.7	15.8	15.6	14.5	13.1	10.4	16.7
14	8.1	9.0	8.8	8.3	9.8	9.7	7.8	10.2	11.5	10.1	12.0	13.2	11.9	14.7	18.6	16.6	13.8	16.1	12.8	13.3	12.5	13.9	17.3	15.3	18.6
15	15.5	15.7	12.1	11.0	7.2	8.1	8.5	10.1	11.4	14.2	18.6	17.0	17.0	17.7	19.3	17.6	17.6	17.4	16.1	17.6	14.3	11.8	14.4	10.6	19.3
16	10.6	9.8	9.4	6.7	11.6	12.4	14.3	15.4	13.2	16.7	16.6	15.9	12.6	6.3	6.0	9.8	9.7	9.2	6.9	4.9	4.3	5.4	6.8	7.9	16.7
17	6.2	6.7	7.2	7.0	5.9	6.6	6.4	5.6	6.5	6.0	6.5	6.5	6.9	6.9	6.1	6.8	7.5	7.9	12.0	10.9	8.9	10.1	11.6	9.7	12.0
18	9.8	8.7	7.7	6.7	6.6	6.2	6.6	5.6	4.8	4.3	6.4	6.8	9.4	9.7	11.1	15.0	15.8	15.7	16.4	12.5	12.2	12.2	11.6	12.1	16.4
19	12.5	12.9	15.3	14.8	11.8	11.1	12.8	12.5	12.8	14.0	13.5	13.7	12.6	15.1	14.5	16.5	15.9	16.4	16.0	16.6	12.3	13.0	13.6	16.2	16.6
20	16.0	16.4	13.6	14.0	12.3	13.7	11.9	11.9	[PA]	[PA]	11.3	13.1	14.1	14.4	15.0	15.0	14.9	16.1	20.5	17.8	14.0	13.3	12.1	7.5	
21	7.9	5.4	5.6	6.0	3.8	3.5	3.6	4.4	3.5	4.5	8.4	7.6	6.2	6.3	8.7	8.9	8.3	7.3	6.6	5.8	7.8	7.9	10.4	9.8	10.4
22	9.3	8.7	9.2	8.4	7.9	5.3	5.3	4.3	4.5	4.2	5.6	7.7	8.7	8.3	9.6	5.3	6.1	3.7	2.5	2.7	8.1	8.2	7.7	7.1	9.6
23	6.8	7.3	8.3	7.8	7.0	6.6	5.5	5.5	3.8	5.1	7.6	7.0	8.1	9.3	7.8	10.7	8.2	8.8	5.9	4.6	3.5	7.1	7.0	5.9	10.7
24	6.8	7.4	6.7	4.8	4.9	3.9	3.6	3.2	3.8	4.2	6.6	6.5	5.7	8.3	10.1	6.4	7.9	6.1	4.8	3.3	3.3	6.2	7.9	7.9	10.1
25	8.3	7.9	8.4	8.7	6.3	5.3	3.3	3.8	3.7	4.9	6.6	6.6	7.5	8.3	6.5	7.5	5.5	4.8	3.0	9.5	7.2	8.5	8.5	8.1	9.5
26	8.1	7.3	7.2	7.1	5.7	5.1	4.7	5.8	4.9	4.1	6.2	7.2	8.6	11.9	13.7	13.2	21.7	16.6	7.8	8.5	7.9	6.6	6.9	8.2	21.7
27	6.7	7.2	7.7	7.9	6.3	8.4	8.6	7.8	7.3	6.5	6.0	6.8	7.6	10.6	11.8	17.1	12.4	11.3	14.3	14.7	14.5	12.3	10.6	10.3	17.1
28	8.9	8.8	9.3	8.9	8.3	7.7	7.8	8.3	8.5	9.1	9.8	11.5	9.8	10.0	10.8	15.7	14.2	13.5	12.9	15.7	12.0	8.3	8.2	7.1	15.7
29	6.5	6.2	11.3	7.9	6.2	7.0	5.3	7.0	7.5	7.4	7.4	6.5	7.2	8.3	8.6	8.4	10.1	14.8	16.1	14.3	12.5	13.2	13.2	13.4	16.1
30	12.0	8.1	8.3	8.4	7.6	8.2	8.3	8.2	7.0	8.1	10.1	12.3	13.6	16.2	15.5	18.1	17.3	16.1	15.8	14.7	11.7	10.3	11.0	8.5	18.1

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Ludlow

LATITUDE : 34 degrees 42 minutes 36 seconds

MONTH : June

ELEVATION : 1782 feet

LONGITUDE : 116 degrees 09 minutes 15 seconds

YEAR : 1995

PARAMETER : Peak Wind Gust (meters per second)

	HOUR (PST)																								
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	4.6	3.4	5.1	6.2	6.6	5.8	5.6	5.8	6.8	11.1	11.8	12.4	14.1	15.2	13.8	12.3	12.5	9.8	15.0	12.5	12.2	14.9	12.6	10.7	15.2
2	13.6	13.5	12.8	15.9	14.2	14.3	13.4	13.7	13.5	9.6	8.8	11.3	10.6	10.2	12.5	11.8	12.5	13.6	15.1	13.8	12.2	12.5	13.8	9.9	15.9
3	9.3	9.8	11.7	10.6	10.3	9.1	8.9	6.4	6.6	8.3	10.4	9.7	8.4	5.4	5.9	7.7	6.9	7.2	4.2	10.5	10.6	10.7	10.5	8.1	11.7
4	9.1	7.2	9.0	8.5	7.9	6.3	5.9	5.6	7.1	5.4	4.7	5.6	6.9	5.4	5.7	4.2	5.0	7.5	7.0	13.3	13.7	10.7	7.3	10.8	13.7
5	8.1	7.0	4.9	5.8	5.0	7.4	7.0	5.6	6.0	7.1	6.8	6.9	11.3	15.6	15.5	14.5	17.1	16.6	18.2	18.4	20.8	18.2	14.4	11.1	20.8
6	11.4	11.9	12.1	9.9	10.0	10.9	11.1	9.8	6.4	8.2	9.9	10.6	10.9	12.3	14.0	15.3	15.1	13.8	14.7	18.3	21.9	16.4	16.3	16.7	21.9
7	12.6	8.4	10.0	9.8	9.0	11.1	11.5	12.2	10.3	8.2	8.2	10.8	10.5	11.6	17.6	14.4	11.3	9.2	9.7	6.2	4.2	6.3	8.5	7.9	17.6
8	7.2	9.2	9.7	11.1	9.4	10.4	10.9	11.1	9.9	10.5	13.0	8.8	12.6	10.2	8.6	11.1	9.8	8.5	5.5	4.8	4.8	4.1	5.2	6.8	13.0
9	6.1	6.9	2.9	3.7	5.0	6.3	5.3	3.2	4.1	4.1	4.3	4.8	6.3	6.6	4.1	9.8	4.5	5.5	4.7	4.7	2.7	3.6	3.6	6.9	9.8
10	6.0	7.3	8.5	8.2	7.8	7.9	7.5	9.3	5.0	4.4	5.6	8.8	8.8	5.9	6.5	5.0	6.8	5.0	4.2	2.9	2.3	3.5	3.3	8.6	9.3
11	7.1	8.4	8.1	8.8	8.2	8.4	7.2	7.2	3.4	3.6	3.5	6.2	8.5	8.6	10.2	8.3	7.8	7.6	8.6	6.8	8.3	7.9	7.8	9.5	10.2
12	8.1	7.4	7.6	8.2	6.9	5.8	6.8	5.3	3.6	3.5	7.3	9.3	9.8	11.1	11.9	8.4	8.1	9.8	9.7	10.1	7.0	11.0	7.4	7.2	11.9
13	5.3	6.8	7.4	7.6	6.6	6.4	6.2	6.5	6.0	4.2	4.7	8.6	9.8	9.7	11.1	7.8	7.3	11.8	12.0	12.2	12.7	10.7	9.8	10.2	12.7
14	9.8	4.4	5.6	5.2	7.8	7.7	6.8	6.9	7.6	3.4	3.9	8.1	9.2	15.3	8.8	8.6	13.0	17.2	18.2	15.3	10.3	8.9	6.1	6.7	18.2
15	9.0	8.9	6.4	4.2	5.3	4.1	4.3	4.0	3.4	4.0	3.9	5.8	6.4	9.3	9.3	7.7	16.0	14.5	12.2	14.7	12.4	12.6	10.4	8.5	16.0
16	6.0	9.0	9.4	8.3	5.7	4.9	6.4	5.2	6.4	6.2	8.1	11.3	11.8	10.6	10.7	9.6	9.0	7.4	4.8	3.5	3.0	3.3	5.4	5.6	11.8
17	1.8	3.5	2.9	4.2	3.6	2.2	2.8	4.9	6.8	5.9	7.0	7.3	8.7	7.7	5.6	6.5	5.7	4.8	3.9	1.7	1.8	5.9	5.3	3.6	8.7
18	6.3	7.2	7.3	7.1	4.5	4.8	4.6	3.0	3.4	4.5	6.9	7.2	8.5	8.6	7.6	9.2	9.4	8.4	8.3	8.3	12.1	13.4	10.1	5.9	13.4
19	9.0	10.1	7.2	7.5	6.9	6.9	7.7	6.6	5.8	5.5	8.3	5.2	5.1	5.5	8.7	[PA]	[PA]	[PA]	11.9	15.8	16.1	9.8	7.0	8.1	
20	9.2	7.9	7.8	7.8	7.3	5.6	3.3	4.5	3.5	6.0	5.2	6.9	6.5	7.0	10.7	8.9	8.6	9.1	12.8	12.7	10.1	11.3	11.9	12.1	12.8
21	11.5	9.3	9.4	7.8	6.6	5.5	9.7	9.5	10.1	8.5	8.6	6.3	7.0	5.9	7.8	6.5	6.7	6.7	7.1	4.8	1.6	2.7	10.0	9.7	11.5
22	8.8	9.9	8.4	7.9	8.3	8.9	8.3	8.1	6.2	7.0	5.7	5.0	5.9	5.6	4.8	5.7	6.6	6.7	6.9	3.3	2.6	3.2	3.8	7.1	9.9
23	7.2	7.6	7.7	9.7	8.1	7.4	6.4	6.2	7.9	7.4	6.3	7.5	9.3	8.7	8.1	9.3	9.5	7.5	6.3	3.0	3.4	3.9	4.1	3.3	9.7
24	5.0	4.7	3.8	4.9	5.0	2.8	5.3	5.4	4.9	8.2	9.8	10.9	11.3	12.2	10.1	8.2	7.5	7.2	5.5	3.6	3.1	3.3	3.3	6.4	12.2
25	6.1	5.5	6.6	7.1	7.2	7.1	6.8	4.8	4.9	4.9	6.1	7.5	8.8	9.4	8.3	7.7	8.1	8.3	5.6	4.2	3.3	6.8	6.9	7.3	9.4
26	7.7	6.1	8.1	7.0	7.2	7.0	5.5	3.4	4.5	3.6	7.9	8.4	12.7	8.6	17.6	11.5	12.1	10.1	9.5	11.4	11.3	11.1	7.1	6.7	17.6
27	9.0	8.7	8.8	10.2	10.3	8.5	7.3	8.1	7.9	6.7	6.8	6.5	11.7	8.9	11.1	5.7	6.5	13.2	12.7	9.0	9.6	10.6	10.7	11.4	13.2
28	7.2	7.7	6.1	6.8	7.3	7.0	7.3	5.2	7.6	5.3	5.2	6.9	7.3	8.1	6.5	6.3	15.4	11.3	5.1	6.3	6.9	8.1	9.6	9.3	15.4
29	8.2	8.2	6.3	6.0	8.1	7.8	7.3	7.9	4.8	4.4	6.1	5.7	6.6	10.9	10.9	11.0	12.0	11.8	11.4	10.7	12.3	12.0	11.9	10.4	12.3
30	9.7	11.5	9.8	5.2	8.1	7.7	7.1	7.1	6.7	9.4	7.6	10.2	9.4	13.4	11.8	8.9	10.4	11.9	12.4	12.7	9.0	7.8	6.2	4.9	13.4

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Palmdale

ELEVATION : 2760 feet

PARAMETER : Peak Wind Gust (meters per second)

LATITUDE : 34 degrees 33 minutes 26 seconds

LONGITUDE : 118 degrees 06 minutes 46 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

DATE	HOUR (PST) 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	5.4	5.7	6.5	5.9	7.7	3.8	10.3	12.9	13.6	15.3	15.2	13.3	16.9	20.6	21.4	22.2	19.2	19.1	17.0	16.7	13.5	14.4	14.6	15.4	22.2
2	12.7	14.0	12.8	11.9	13.8	12.8	12.0	13.7	14.5	15.2	14.6	14.2	11.6	15.1	14.3	12.8	12.4	12.4	14.1	13.5	16.0	14.6	13.3	12.3	16.0
3	13.5	15.0	11.5	10.0	8.6	5.8	4.5	2.6	3.2	3.5	3.5	8.3	9.6	12.9	12.5	12.4	9.5	10.9	9.1	10.1	5.6	6.6	5.5	4.9	15.0
4	4.5	4.4	4.2	2.7	3.1	3.2	3.3	3.7	3.4	3.9	4.0	7.3	8.7	12.3	13.7	12.6	11.6	12.0	9.3	7.6	6.6	6.4	7.8	5.4	13.7
5	4.6	3.1	3.5	2.2	3.2	5.0	4.2	2.9	6.8	10.7	13.2	13.3	12.9	14.5	15.5	19.3	14.7	14.3	7.7	9.1	7.2	8.1	8.9	14.6	19.3
6	10.0	5.0	3.8	5.5	4.5	4.9	3.6	9.3	12.5	12.4	11.9	13.4	14.0	17.0	17.0	16.3	14.7	16.0	14.5	14.0	14.1	10.2	8.6	8.2	17.0
7	3.2	4.0	3.0	2.8	5.0	5.3	6.7	8.8	9.7	10.6	9.2	12.6	13.6	13.3	14.6	15.0	15.4	13.7	13.3	8.6	6.7	5.6	6.6	6.3	15.4
8	6.4	7.3	8.8	10.8	11.0	10.0	10.5	10.1	10.8	7.2	9.7	10.1	11.6	12.4	10.9	10.4	9.4	10.5	10.4	7.6	8.8	8.7	7.0	6.3	12.4
9	6.4	7.9	8.0	7.1	3.2	2.4	1.9	3.0	4.9	5.7	5.7	6.2	6.1	5.9	5.9	9.7	9.6	8.3	8.9	8.1	7.7	6.5	4.6	3.1	9.7
10	2.6	2.8	2.8	2.9	3.4	2.9	2.6	3.5	3.8	4.3	5.5	5.8	4.4	5.0	5.2	5.5	10.1	10.3	8.1	10.1	10.4	3.0	2.5	2.1	10.4
11	2.5	4.0	3.7	3.8	4.0	2.7	1.9	2.5	3.0	4.4	3.7	9.0	9.3	11.3	12.0	13.0	13.4	12.0	12.0	11.0	10.4	4.2	4.9	6.4	13.4
12	5.7	5.3	2.5	3.0	1.8	1.8	2.0	2.0	2.4	6.9	9.7	10.2	12.2	14.0	13.8	13.8	14.5	13.7	12.0	10.8	8.2	5.7	6.0	7.3	14.5
13	8.0	5.9	5.7	5.4	5.9	5.3	5.3	5.4	5.7	7.6	10.6	14.6	14.7	15.1	15.5	15.9	15.7	11.4	15.2	13.3	9.4	10.3	11.3	10.7	15.9
14	9.0	7.9	7.4	5.7	6.4	6.4	7.3	6.7	7.0	8.6	11.0	[PA]	[PA]	[PA]	15.3	16.7	16.3	15.3	9.7	5.8	6.7	8.5	7.6	10.9	
15	13.1	13.0	12.9	15.1	14.2	15.1	14.1	13.1	10.3	9.5	14.4	12.8	12.2	12.7	13.3	11.1	14.6	18.1	19.5	11.4	9.1	7.7	9.0	6.7	19.5
16	7.8	7.3	4.9	7.0	6.3	7.3	13.1	14.7	14.4	11.4	9.2	8.8	5.6	7.8	8.6	11.2	10.4	9.0	8.7	6.4	7.8	5.2	5.3	5.5	14.7
17	7.6	5.1	4.3	3.8	3.0	2.5	3.0	3.1	4.2	4.2	5.8	7.8	7.8	8.0	10.3	9.6	8.9	8.5	8.8	5.5	6.6	6.7	4.2	4.6	10.3
18	5.6	3.3	3.0	2.9	3.4	3.4	2.4	2.9	2.8	3.5	3.6	8.8	11.0	12.4	12.4	12.3	13.1	11.7	10.5	6.8	5.9	2.4	5.3	3.6	13.1
19	2.9	5.0	4.0	3.0	2.1	2.5	2.1	2.8	3.4	8.3	8.1	9.3	11.0	10.6	10.7	11.3	12.4	12.0	10.5	8.8	8.3	7.6	3.7	5.5	12.4
20	3.9	3.7	2.1	2.9	2.2	2.2	4.2	2.7	4.6	5.0	10.7	7.2	8.5	8.7	9.1	9.2	10.0	9.9	8.4	6.4	4.9	2.4	4.5	3.5	10.7
21	3.5	2.8	2.9	3.1	2.7	2.3	3.2	3.9	6.7	7.3	6.6	9.3	6.1	5.7	6.2	7.2	9.4	9.0	7.1	4.2	4.1	2.8	3.0	3.6	9.4
22	4.4	3.1	2.8	3.4	3.9	3.1	1.6	3.2	2.9	4.2	6.0	6.1	5.6	4.7	6.9	10.4	10.5	10.5	9.5	6.6	4.6	2.5	2.9	3.2	10.5
23	3.5	3.2	3.3	3.2	3.3	3.1	2.1	2.2	3.9	4.4	6.6	7.3	7.9	5.8	7.8	6.6	10.3	11.3	11.2	10.0	8.5	4.3	3.2	3.4	11.3
24	3.2	3.8	2.9	3.1	3.1	2.8	2.5	3.4	3.7	4.7	5.4	4.5	6.2	7.2	6.5	7.2	11.1	10.6	9.2	6.3	6.2	4.6	4.4	3.4	11.1
25	3.8	3.3	2.6	3.2	3.2	2.8	2.2	2.9	3.1	4.6	7.7	5.1	6.2	6.8	12.0	11.5	11.9	12.4	10.2	6.4	5.9	4.6	4.2	3.7	12.4
26	3.1	3.2	3.5	3.1	3.3	3.4	2.4	2.0	3.7	4.3	3.9	4.6	11.5	11.3	12.4	12.9	11.0	8.1	10.3	11.7	11.6	12.9	8.3	10.2	12.9
27	8.8	7.2	6.1	3.7	4.5	6.0	5.7	4.0	6.8	6.8	7.0	11.2	11.5	14.7	15.5	15.5	13.1	11.5	13.8	14.9	14.6	8.5	7.9	11.1	15.5
28	11.6	10.3	9.2	8.4	4.8	6.3	5.5	8.4	10.9	10.5	12.0	13.8	14.6	13.6	11.7	10.9	11.3	11.8	13.1	11.3	7.0	8.4	12.2	12.3	14.6
29	8.6	7.0	9.6	5.3	7.1	8.6	9.1	9.0	9.8	8.8	9.9	8.3	10.6	11.9	12.6	13.1	13.2	10.9	10.9	8.4	9.7	6.4	7.0	8.0	13.2
30	3.6	6.4	7.6	5.1	6.5	7.3	8.2	9.1	6.9	8.6	10.3	10.4	10.4	11.6	11.9	13.5	11.7	13.5	14.4	14.8	14.7	15.0	13.3	12.2	15.0

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Quartzite Mountain

LATITUDE : 34 degrees 36 minutes 38 seconds

MONTH : June

ELEVATION : 4482 feet

LONGITUDE : 117 degrees 17 minutes 20 seconds

YEAR : 1995

PARAMETER : Peak Wind Gust (meters per second)

	HOUR (PST)																								
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	7.2	7.1	9.5	9.3	7.8	7.0	6.0	8.5	7.8	13.3	14.4	14.3	13.5	15.5	16.6	17.3	13.9	12.4	13.4	13.8	14.4	18.1	16.8	15.7	18.1
2	16.7	17.6	17.0	16.8	15.6	14.8	12.9	10.4	9.9	9.2	9.8	11.1	13.2	12.8	15.7	15.7	15.1	16.0	14.3	15.8	17.6	16.2	18.8	15.1	18.8
3	12.9	13.6	12.4	12.7	10.3	10.9	6.3	5.2	4.4	5.2	6.7	6.6	6.5	7.7	9.2	6.6	9.3	13.4	14.0	12.5	11.5	13.8	12.7	13.8	14.0
4	13.7	11.7	7.3	7.1	7.6	7.4	6.6	5.4	4.2	4.6	5.6	7.2	13.9	12.5	14.3	13.8	12.9	14.1	12.3	12.1	15.1	14.5	12.9	13.5	15.1
5	12.6	13.0	13.1	14.7	11.8	12.6	17.3	15.6	12.4	12.6	14.1	15.1	14.4	15.7	17.7	17.3	17.9	15.4	19.3	19.0	17.3	15.6	13.2	14.2	19.3
6	13.9	11.1	12.3	13.1	12.5	13.3	10.5	8.3	8.1	9.9	13.0	14.7	15.2	16.5	17.5	17.0	16.7	15.7	16.4	15.9	17.6	18.4	14.5	16.7	18.4
7	17.0	13.9	10.0	8.2	10.1	9.6	11.5	11.0	13.4	14.7	17.5	17.0	13.4	14.4	14.0	16.7	15.3	14.7	11.3	7.5	6.3	5.9	9.7	8.3	17.5
8	9.8	9.5	9.5	9.8	9.6	9.0	9.4	8.7	8.6	7.5	8.4	11.5	10.9	12.1	14.8	14.9	12.2	12.0	11.5	10.6	11.8	11.0	10.4	10.1	14.9
9	9.8	9.4	9.1	8.9	6.4	8.1	6.9	4.8	4.4	5.3	5.6	8.1	8.1	6.3	6.6	5.6	5.2	5.1	5.9	8.2	9.6	9.1	8.1	6.8	9.8
10	6.9	5.4	3.7	2.8	3.1	3.4	2.8	3.9	3.7	3.9	6.1	8.4	6.8	5.7	7.4	8.2	7.0	4.7	5.6	7.8	9.9	7.9	8.8	9.5	9.9
11	9.9	9.8	7.6	8.1	5.7	4.4	4.5	1.4	2.6	2.8	5.4	8.2	9.0	9.2	8.7	9.1	10.0	9.8	8.3	10.4	9.0	7.8	4.2	4.1	10.4
12	4.7	5.2	5.3	3.2	3.3	2.2	2.3	3.5	6.4	6.0	10.7	14.3	14.4	14.2	15.3	14.8	13.8	12.0	11.6	12.5	8.8	8.1	8.6	8.7	15.3
13	9.1	7.9	8.3	7.0	4.0	4.9	6.3	8.2	8.1	8.1	9.8	11.0	13.2	13.2	14.2	13.4	12.9	11.4	9.2	8.4	11.5	10.2	7.5	8.6	14.2
14	7.7	9.5	8.4	2.6	5.4	8.2	9.2	5.4	10.8	11.4	11.6	12.4	12.8	14.4	16.1	16.8	15.4	13.1	12.6	10.4	9.3	8.8	8.4	9.1	16.8
15	9.2	12.1	12.3	11.8	12.6	10.7	9.5	10.3	10.7	[PA]	[PA]	15.7	17.9	17.6	19.1	16.8	15.0	15.7	14.2	16.1	11.9	9.6	10.6	8.3	
16	8.2	7.5	7.3	6.3	11.1	11.6	10.7	15.5	16.6	17.2	16.0	15.7	10.0	11.1	11.0	11.0	10.4	10.2	8.7	8.1	7.7	8.1	8.4	9.8	17.2
17	10.7	9.3	10.1	9.5	9.2	9.0	8.1	5.4	4.6	5.1	5.7	6.0	7.0	9.7	7.2	7.6	9.1	8.2	8.5	9.1	10.6	11.3	11.3	10.5	11.3
18	10.2	9.5	10.5	10.6	10.1	11.8	10.2	8.1	6.3	5.0	5.4	6.2	7.7	10.4	11.1	12.7	12.1	11.7	10.0	9.9	9.5	10.9	13.2	13.0	13.2
19	10.6	11.0	10.4	9.6	10.3	10.1	9.4	8.3	7.5	8.5	7.9	8.5	9.1	9.7	13.3	12.2	13.5	11.5	11.8	15.0	11.7	12.7	12.6	13.3	15.0
20	14.1	13.2	13.6	14.2	14.0	11.7	11.0	8.8	9.7	8.1	10.7	9.2	10.4	11.8	12.7	12.7	11.5	11.7	11.4	14.9	14.7	14.2	13.3	12.2	14.9
21	11.1	8.1	5.8	5.4	4.8	3.6	5.2	6.4	5.7	5.6	6.5	4.9	6.9	6.5	8.3	8.2	7.3	7.0	8.6	11.6	12.7	10.5	11.1	9.0	12.7
22	6.5	6.8	7.2	6.0	5.0	3.1	3.1	3.6	5.3	5.5	6.1	7.1	10.6	8.2	7.2	6.7	8.4	7.7	10.5	9.4	10.2	9.1	7.0	7.6	10.6
23	5.9	5.4	5.4	4.8	3.6	3.0	2.3	3.0	5.4	5.4	7.9	9.0	10.6	9.4	10.0	11.3	9.1	7.1	5.7	5.4	9.2	10.1	10.4	9.8	11.3
24	10.1	7.8	7.2	6.2	4.3	4.8	3.5	3.4	3.8	4.8	7.0	7.3	11.1	12.0	12.0	8.7	7.4	9.5	7.6	5.7	11.5	11.8	10.3	10.7	12.0
25	9.6	9.0	9.2	8.7	7.2	6.2	5.2	4.7	4.2	3.2	5.1	5.3	9.3	9.5	10.9	7.3	11.3	10.7	9.3	10.2	13.1	11.5	9.9	10.9	13.1
26	10.1	9.5	9.4	9.4	6.9	6.0	4.8	5.0	4.4	4.6	6.7	8.5	11.6	17.6	15.5	14.8	10.9	10.8	7.1	7.0	6.3	8.8	10.3	10.8	17.6
27	11.7	7.6	10.2	9.2	7.0	7.1	6.4	5.7	6.4	6.9	8.4	10.1	13.3	13.2	13.7	15.0	13.3	13.7	12.4	14.0	10.8	10.1	11.1	11.0	15.0
28	9.5	9.9	8.7	7.4	7.9	5.3	6.4	7.1	7.9	7.6	10.4	12.3	12.9	15.2	15.6	15.5	16.1	14.4	13.1	15.1	14.9	12.9	13.2	13.8	16.1
29	13.6	12.4	12.5	14.0	12.2	13.0	10.8	9.0	10.7	8.1	7.0	6.7	8.6	9.6	10.8	11.5	12.0	10.7	12.8	9.4	10.8	11.7	11.3	10.3	14.0
30	10.9	13.8	11.9	11.9	10.6	8.1	9.3	10.3	10.6	16.4	14.4	14.7	15.1	13.7	17.6	17.3	15.8	14.2	14.4	14.9	13.9	15.0	16.4	14.5	17.6

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Shadow Mountain

ELEVATION : 4120 feet

PARAMETER : Peak Wind Gust (meters per second)

LATITUDE : 34 degrees 44 minutes 15 seconds

LONGITUDE : 117 degrees 33 minutes 54 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

DATE	HOUR (PST) 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MAX.
1	6.7	6.9	6.4	7.7	7.6	6.6	6.4	4.7	5.3	7.0	7.2	12.0	9.8	13.3	12.4	18.2	19.5	19.6	17.8	16.3	17.2	16.7	17.7	16.8	19.6
2	16.9	15.9	17.0	16.9	16.3	16.5	17.8	14.6	12.8	14.7	15.3	16.1	17.5	19.4	20.0	21.4	20.2	20.3	18.6	17.2	18.6	18.1	18.8	16.3	21.4
3	16.1	15.8	15.5	12.0	11.0	10.3	8.0	6.8	5.5	6.1	7.0	6.2	7.1	8.4	9.8	13.9	15.1	16.5	14.9	15.4	14.9	14.9	13.8	12.5	16.5
4	12.2	11.2	11.5	11.1	8.1	8.2	7.9	6.7	6.4	6.3	5.9	7.6	10.8	8.4	9.3	14.5	16.5	17.7	18.3	16.8	14.9	17.6	18.0	16.4	18.3
5	16.6	15.2	15.5	16.6	16.3	15.7	15.8	15.4	16.0	17.6	20.3	22.6	21.5	21.9	25.2	25.1	22.3	20.5	20.6	21.5	18.1	18.9	16.6	15.6	25.2
6	14.4	13.2	13.2	13.5	12.5	12.4	11.7	12.3	13.3	14.5	16.0	20.1	21.5	20.3	22.3	21.9	24.5	24.3	25.4	23.4	24.3	22.6	19.4	15.9	25.4
7	12.4	10.1	7.4	7.6	10.5	11.9	12.4	14.4	16.0	16.5	15.6	18.5	16.7	12.9	15.3	16.9	16.4	14.5	14.2	13.6	12.4	10.6	9.8	9.9	18.5
8	9.4	10.1	10.4	11.1	10.5	9.2	10.1	11.8	12.4	13.0	16.3	15.4	17.7	16.8	21.0	18.7	15.8	14.6	14.1	14.0	12.9	12.5	12.0	11.2	21.0
9	10.3	10.3	10.4	9.3	8.2	8.1	7.4	6.9	5.8	4.4	4.5	6.3	6.6	6.9	8.0	7.1	9.0	8.0	7.1	10.6	11.5	11.8	10.7	9.0	11.8
10	7.7	6.4	5.7	5.5	6.9	5.1	3.2	4.5	4.4	7.6	6.8	7.6	8.2	7.4	7.7	7.9	5.8	5.6	7.1	13.3	11.2	11.3	10.0	10.2	13.3
11	9.7	9.6	8.7	9.4	9.6	9.8	8.5	6.3	3.4	4.4	5.7	6.5	3.8	7.7	10.2	10.9	13.7	14.3	14.1	12.2	12.2	11.5	9.8	8.6	14.3
12	9.0	9.6	8.5	6.9	6.6	6.4	7.2	6.1	4.6	6.3	6.0	8.5	10.1	12.0	14.9	16.1	15.0	15.8	14.8	13.9	16.5	15.6	12.5	11.1	16.5
13	11.1	11.9	10.5	9.1	11.1	9.8	7.0	7.4	6.3	9.5	10.0	10.1	15.1	16.1	15.9	18.7	17.9	16.6	14.4	15.1	16.1	15.8	14.1	13.0	18.7
14	11.8	10.9	9.9	11.6	12.7	12.2	12.9	12.4	12.7	9.9	8.8	16.6	18.7	18.4	19.5	19.4	17.9	17.0	16.0	17.3	16.5	18.3	18.1	18.0	19.5
15	15.5	10.4	10.2	10.6	11.8	12.6	12.7	13.6	15.0	14.2	17.0	19.0	18.1	20.1	[PA]	[PA]	[PA]	17.8	17.8	19.6	19.2	16.3	15.5	15.2	
16	15.3	15.3	15.5	12.4	12.4	13.9	12.3	10.8	10.1	18.5	16.7	12.4	10.1	10.1	11.0	10.6	10.9	5.3	4.8	5.0	8.1	8.7	9.7	10.5	18.5
17	10.2	9.1	10.6	9.5	9.3	8.9	7.8	6.5	5.9	5.3	7.6	7.4	9.4	10.5	10.9	12.3	10.6	12.4	12.9	13.2	11.8	12.5	10.6	11.2	13.2
18	11.5	10.6	9.6	10.0	10.6	10.5	8.3	6.4	4.5	3.5	5.3	8.3	11.4	12.0	12.7	14.1	17.4	16.3	18.4	15.6	14.0	14.6	16.6	14.9	18.4
19	15.3	14.9	13.9	12.2	11.6	12.0	11.4	12.3	12.4	12.7	12.7	12.4	13.6	13.3	16.1	15.4	17.3	17.4	16.2	15.8	14.6	15.9	15.6	17.2	17.4
20	16.8	15.9	14.6	12.8	14.2	14.5	13.0	12.5	11.6	12.3	13.2	14.1	14.1	16.9	15.4	16.6	17.9	16.8	18.2	17.5	17.2	15.6	14.4	12.4	18.2
21	10.8	10.1	8.5	5.4	7.3	4.6	4.1	5.8	9.2	11.7	9.5	7.6	7.2	6.5	8.5	8.1	10.0	10.4	14.0	12.5	11.7	12.2	11.2	10.0	14.0
22	9.2	7.3	7.1	6.8	5.9	3.5	4.4	3.7	3.9	7.2	9.1	8.0	8.4	7.3	9.0	8.9	8.0	8.7	11.0	12.4	11.8	10.6	9.3	9.0	12.4
23	8.3	8.1	7.6	6.3	4.8	4.4	3.1	3.5	4.6	8.7	9.4	8.7	12.0	10.6	10.2	8.9	8.9	6.4	5.2	10.2	10.9	10.7	9.6	8.2	12.0
24	8.5	8.4	8.2	7.6	6.6	4.8	3.2	3.5	6.2	7.6	7.8	8.6	9.0	9.6	8.7	9.3	7.3	6.5	6.2	11.9	11.4	10.7	9.0	9.8	11.9
25	10.0	9.5	9.2	8.6	8.9	7.9	7.4	5.5	4.3	7.6	6.0	7.6	7.3	10.5	8.5	8.7	8.0	13.7	14.6	13.2	12.4	10.7	10.0	9.6	14.6
26	9.1	8.2	8.3	8.2	7.3	6.9	6.7	5.7	5.1	7.2	8.0	8.3	9.2	16.2	14.5	13.9	14.1	14.4	13.7	8.9	8.3	7.6	8.2	8.7	16.2
27	9.6	10.8	10.5	9.8	8.7	8.1	7.1	6.4	5.6	5.9	5.3	8.2	8.8	12.7	12.3	12.9	15.8	15.0	13.5	13.1	14.2	14.1	13.0	12.2	15.8
28	11.8	12.5	12.2	11.4	11.1	10.3	10.0	9.9	11.2	10.2	10.6	11.3	12.4	13.2	14.6	16.3	15.7	14.4	12.8	12.3	11.3	8.0	8.4	7.7	16.3
29	7.2	7.0	6.8	6.3	7.4	7.3	6.7	7.6	8.5	8.6	8.0	7.7	9.9	11.1	10.5	11.7	14.8	15.0	14.9	13.1	13.0	12.5	11.5	11.3	15.0
30	11.2	11.1	11.0	10.9	11.0	10.4	10.0	11.1	11.7	14.5	15.6	15.1	18.2	17.7	20.1	18.4	16.3	16.0	14.9	11.3	10.0	9.9	10.6	9.5	20.1

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Baldy Mesa

ELEVATION : 4250 feet

PARAMETER : Wind Direction

LATITUDE : 34 degrees 23 minutes 20 seconds

LONGITUDE : 117 degrees 26 minutes 33 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

HOUR (PST)

DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[CA]	[CA]	[CA]	199	202	208	206	211	215	221	218	210	205
4	196	201	106	60	157	165	109	36	43	95	172	182	191	191	192	195	197	203	214	223	214	218	225	222
5	218	191	198	229	226	209	216	216	209	205	202	203	204	213	209	284	304	309	280	292	315	310	314	307
6	308	305	311	309	313	333	358	359	326	335	319	315	288	223	228	203	201	217	231	268	301	302	310	314
7	317	311	310	304	296	290	299	216	201	205	203	193	194	186	183	176	184	195	186	195	221	215	210	208
8	205	206	207	209	210	214	211	213	200	197	190	203	198	196	195	205	204	208	209	214	214	213	219	219
9	229	215	255	292	286	285	315	338	60	26	77	201	190	190	182	195	212	211	211	218	220	226	222	200
10	169	136	144	141	67	305	10	45	38	52	56	65	72	16	10	352	242	212	214	217	219	222	218	249
11	33	147	144	146	145	143	121	78	96	147	177	189	187	189	189	195	194	198	205	216	214	223	217	218
12	222	222	227	226	215	175	160	193	194	194	190	185	172	177	176	177	175	175	194	203	210	216	224	217
13	219	219	224	223	217	217	214	213	207	200	201	204	201	191	194	196	200	203	205	211	212	214	213	212
14	215	218	217	213	215	217	212	210	[PA]	[PA]	[PA]	203	198	194	191	185	180	192	205	200	201	211	219	223
15	213	206	207	208	207	207	203	200	195	194	187	181	182	187	181	179	178	182	183	184	196	199	205	195
16	200	206	201	196	200	195	191	186	182	185	183	188	190	187	183	190	193	200	204	207	207	213	214	216
17	220	227	245	273	224	276	306	340	358	8	199	193	198	206	202	202	204	208	207	221	218	217	220	238
18	284	174	163	161	150	142	111	91	101	183	195	193	192	188	188	187	193	203	212	227	226	219	219	233
19	239	226	228	234	330	228	168	194	197	193	202	203	197	197	197	199	202	208	207	214	212	228	225	254
20	230	246	216	216	217	221	209	207	197	200	196	199	203	206	205	205	211	206	210	219	219	229	241	298
21	285	313	353	351	308	322	8	355	24	16	46	81	151	190	185	195	201	208	214	226	250	242	199	128
22	88	130	44	133	107	155	97	345	4	44	70	69	184	193	192	188	197	199	214	223	226	240	48	282
23	189	150	146	131	79	147	61	336	350	25	42	53	50	30	23	21	34	228	222	221	234	252	280	288
24	281	30	91	144	137	175	15	15	18	65	72	45	45	11	359	1	336	307	219	223	256	283	283	281
25	279	74	350	282	177	133	97	355	352	22	24	28	58	138	193	200	204	211	216	220	222	219	232	247
26	231	254	251	282	283	250	121	29	344	27	180	203	206	204	204	207	206	217	217	216	212	215	211	213
27	215	218	216	216	216	216	217	213	209	211	203	200	192	188	190	188	190	196	200	199	204	209	202	214
28	212	212	215	217	217	215	215	212	206	201	199	195	191	186	183	181	172	171	182	193	181	193	195	197
29	201	199	191	201	202	207	204	202	208	208	206	205	199	206	207	203	206	209	213	221	222	220	217	218
30	222	220	213	214	209	212	213	209	195	204	193	204	193	186	175	181	184	192	195	202	200	215	211	208

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Boron
ELEVATION : 2460 feet
PARAMETER : Wind Direction

LATITUDE : 35 degrees 01 minutes 00 seconds
LONGITUDE : 117 degrees 39 minutes 00 seconds

T & B SYSTEMS, INC.
MONTH : June
YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	246	241	242	240	231	232	230	231	233	236
2	235	240	239	234	235	239	242	252	254	249	244	254	256	249	249	254	266	260	234	244	242	237	233	229
3	229	229	235	233	231	235	240	248	248	268	292	356	322	258	266	275	253	259	251	247	238	237	237	238
4	239	241	263	285	99	74	33	291	267	249	293	242	256	248	267	257	259	274	268	266	249	241	250	258
5	243	242	228	233	233	238	232	238	251	254	260	271	270	261	270	278	265	281	275	241	257	240	242	241
6	238	231	241	240	259	219	229	249	260	265	269	266	264	271	272	275	281	281	281	289	290	277	275	271
7	306	237	244	260	260	247	242	240	246	263	274	263	270	272	245	254	251	250	258	263	265	255	242	237
8	239	232	237	242	242	232	240	255	258	249	260	273	270	280	291	280	265	254	266	241	231	231	232	228
9	231	233	231	212	207	284	253	268	311	310	16	320	351	169	290	284	313	260	228	237	244	238	236	245
10	260	260	141	73	93	88	79	319	309	279	345	112	81	94	139	249	339	259	257	243	256	242	235	234
11	231	228	227	105	68	82	6	334	191	265	251	239	255	260	245	266	254	254	267	262	263	252	252	327
12	318	79	54	62	130	243	264	268	254	248	241	247	253	254	259	253	258	246	248	242	244	249	134	226
13	244	239	246	225	239	250	239	238	242	242	242	246	251	249	251	257	250	249	247	245	240	240	238	232
14	241	240	280	260	257	256	261	248	236	246	247	246	242	245	251	252	248	259	262	259	255	247	245	244
15	251	258	258	257	253	253	249	251	249	250	245	250	243	242	242	240	234	238	248	268	259	267	277	280
16	266	251	261	253	244	231	249	243	243	245	242	242	229	225	206	202	234	203	169	108	88	89	76	175
17	238	229	245	235	243	107	213	277	249	287	276	249	233	271	244	238	233	234	239	256	241	228	233	236
18	231	233	219	184	72	89	92	265	111	134	257	243	249	258	246	249	248	280	282	275	268	249	243	242
19	245	237	237	231	235	232	231	229	249	253	246	249	251	248	263	269	272	273	270	265	256	254	237	242
20	245	235	235	228	227	231	234	240	239	253	249	244	249	[PA]	[PA]	261	256	261	259	264	240	235	228	227
21	240	243	74	94	111	70	75	295	92	89	88	90	136	353	324	256	254	260	285	270	240	240	233	228
22	226	219	90	74	86	91	38	314	174	142	78	86	92	148	127	35	32	288	261	239	252	244	234	233
23	229	228	243	290	101	83	18	279	289	160	92	88	106	63	153	112	36	99	111	165	245	236	239	236
24	241	256	270	272	101	65	68	69	84	94	101	109	104	89	296	319	272	269	246	279	282	264	249	241
25	236	233	236	238	253	43	290	295	315	51	95	101	93	71	165	34	273	292	236	237	238	238	237	238
26	267	265	242	244	262	271	270	272	275	295	84	71	142	225	235	273	283	269	262	271	81	282	252	264
27	277	253	273	269	264	109	228	261	257	278	297	319	217	263	283	246	253	252	249	245	252	240	235	239
28	240	239	246	257	266	250	250	244	248	247	244	249	263	256	250	254	246	255	259	256	260	243	236	280
29	40	170	166	112	56	79	312	253	260	272	224	216	321	234	207	263	250	239	269	259	236	231	230	231
30	236	237	249	237	244	248	243	253	252	241	250	261	254	239	231	238	242	237	242	247	251	247	243	251

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Catalina Airport

LATITUDE : 33 degrees 24 minutes 00 seconds

MONTH : June

ELEVATION : 1602 feet

LONGITUDE : 118 degrees 24 minutes 30 seconds

YEAR : 1995

PARAMETER : Wind Direction

	HOUR (PST)																								
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
4	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
5	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
6	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
7	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
8	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
9	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
10	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
11	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
12	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
13	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
14	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
15	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	263	261	267	267
16	274	271	263	264	263	258	257	251	239	238	235	240	235	235	237	243	237	244	243	250	244	255	232	233
17	270	284	337	1	352	337	41	15	6	253	276	331	346	267	244	244	244	241	241	242	239	261	290	293
18	298	296	297	285	267	300	308	103	232	242	246	243	244	244	244	240	240	243	275	304	308	288	255	346
19	101	117	121	112	110	108	108	157	264	259	260	273	283	256	249	242	239	241	251	303	313	8	49	77
20	90	104	109	113	124	126	135	165	218	269	278	273	276	353	318	291	269	270	250	247	239	232	119	118
21	91	104	105	91	197	5	13	64	208	248	254	248	265	253	262	260	244	247	285	336	357	100	127	230
22	238	259	60	86	90	123	10	29	234	249	240	260	285	259	[CA]	[CA]	280	353	344	323	324	320	333	312
23	301	316	338	15	1	290	302	317	263	282	272	281	286	274	247	246	255	264	290	309	302	311	325	317
24	292	285	319	291	221	232	234	177	259	327	268	296	295	276	256	311	312	327	338	64	104	114	113	40
25	333	208	65	64	67	84	244	275	263	279	258	250	254	238	237	219	196	79	155	61	223	264	214	150
26	160	151	127	128	120	130	136	132	113	130	195	326	293	277	247	220	211	211	141	97	65	61	73	37
27	29	65	104	121	187	193	250	26	282	250	259	256	245	255	215	217	205	189	173	146	143	100	97	189
28	219	59	83	55	339	325	307	309	277	258	254	252	241	216	213	213	222	224	219	182	219	205	138	111
29	133	108	36	37	125	242	267	6	360	7	283	267	249	247	236	236	225	223	233	229	222	228	217	213
30	221	153	200	196	111	63	118	213	237	267	272	234	231	231	231	228	226	236	234	238	233	225	226	226

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Flash II Mountain
ELEVATION : 3325 feet
PARAMETER : Wind Direction

LATITUDE : 34 degrees 58 minutes 15 seconds
LONGITUDE : 117 degrees 02 minutes 22 seconds

T & B SYSTEMS, INC.
MONTH : June
YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	254	291	292	296	296	280	282	304	261	252	247	224	220	208	212	207	221	228	228	228	231	242	247	241
2	230	228	228	228	231	231	230	230	229	231	230	228	231	233	228	226	227	227	228	225	225	225	228	229
3	240	246	247	240	236	248	253	248	242	242	239	238	248	230	243	255	238	242	250	237	235	232	231	237
4	244	253	253	252	240	242	245	244	244	231	247	248	222	229	223	224	227	235	242	239	227	225	224	229
5	229	227	229	224	238	241	236	227	228	228	233	231	250	260	251	250	264	268	268	267	260	255	260	251
6	260	264	268	265	264	267	270	265	264	265	267	266	269	259	262	260	255	249	246	245	247	240	193	171
7	172	177	235	254	259	247	223	261	268	252	255	265	266	260	262	281	196	220	259	233	191	244	271	252
8	253	261	268	258	255	263	262	252	252	258	259	263	255	252	219	258	260	266	267	269	267	270	271	262
9	264	262	245	247	243	251	263	274	265	245	261	274	284	278	274	272	255	229	218	228	187	258	251	248
10	242	241	241	237	237	241	246	252	239	260	281	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[MT]	[MT]	[MT]	252	232	227	222
11	231	231	238	253	247	253	242	228	241	244	235	223	216	223	221	217	241	223	246	245	247	239	246	249
12	238	243	247	259	250	257	255	246	289	249	230	247	253	214	205	209	202	220	222	225	224	233	225	226
13	241	235	238	233	243	252	250	251	247	224	226	225	219	217	207	214	232	231	227	223	225	229	229	229
14	241	238	246	244	235	242	237	223	224	223	223	217	212	231	229	249	242	243	242	231	225	234	222	220
15	223	224	232	240	238	243	238	221	222	224	222	222	220	206	201	197	197	197	201	222	231	239	227	231
16	239	235	236	242	240	231	225	222	211	221	219	220	223	211	201	201	218	213	199	207	201	212	216	227
17	233	241	249	254	260	246	244	239	231	222	229	231	271	261	254	255	242	239	232	240	243	237	223	226
18	227	227	229	224	223	220	220	227	226	212	196	231	221	215	214	224	228	231	248	251	251	243	231	226
19	229	231	230	239	245	249	235	226	228	227	227	226	227	228	225	231	234	243	251	238	243	237	242	239
20	235	232	227	226	232	233	243	232	[PA]	[PA]	239	232	231	230	229	231	239	231	230	234	232	231	235	256
21	242	250	265	271	291	307	288	287	234	177	98	121	171	187	235	233	292	304	297	303	279	249	233	236
22	236	232	237	253	257	254	278	302	297	244	187	129	169	134	50	221	89	313	103	61	67	245	258	261
23	261	262	245	246	249	260	252	287	250	204	123	99	90	107	80	82	81	68	78	72	77	69	265	261
24	261	252	254	230	240	249	241	234	189	182	83	48	146	195	27	25	57	9	108	108	116	258	240	238
25	231	239	252	246	244	256	239	223	234	201	153	141	149	125	99	126	75	204	238	256	226	236	249	252
26	256	251	245	254	264	273	300	305	290	251	208	151	182	205	208	230	12	232	244	308	273	247	262	262
27	251	254	249	255	253	246	245	253	238	254	262	245	258	225	229	222	223	224	228	229	226	234	236	251
28	259	256	259	258	256	255	247	239	231	233	234	235	236	230	233	215	210	205	209	228	230	281	277	267
29	254	263	246	274	323	283	263	241	242	248	243	235	211	206	215	208	230	233	227	230	226	228	228	230
30	243	236	238	238	239	239	238	242	240	237	246	232	228	225	227	232	228	212	204	202	212	224	238	259

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Ludlow
ELEVATION : 1782 feet
PARAMETER : Wind Direction

LATITUDE : 34 degrees 42 minutes 36 seconds
LONGITUDE : 116 degrees 09 minutes 15 seconds

T & B SYSTEMS, INC.
MONTH : June
YEAR : 1995

DATE	HOUR (PST) 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	207	190	234	243	251	248	260	273	303	126	130	129	150	166	184	182	182	190	277	269	263	263	281	259
2	276	272	269	275	273	278	278	279	284	285	307	300	284	289	295	288	285	282	276	272	262	266	269	268
3	291	284	279	269	266	265	279	349	343	331	340	344	7	22	16	7	289	324	15	354	274	268	279	264
4	266	258	250	250	257	261	271	290	257	261	242	347	297	350	298	169	289	166	192	262	280	285	262	272
5	285	276	248	251	257	264	264	267	280	269	268	228	295	297	292	297	293	290	288	274	276	277	276	282
6	284	279	279	275	281	286	297	286	335	323	322	319	321	303	292	294	295	281	277	283	279	292	296	318
7	329	333	295	286	283	283	287	290	298	293	298	288	289	281	286	282	264	279	306	11	331	278	257	265
8	268	283	285	280	277	286	277	274	297	309	284	302	299	304	275	299	316	313	310	264	246	218	246	255
9	241	249	208	237	252	260	285	306	348	44	350	115	29	295	204	260	288	330	352	337	188	177	177	236
10	256	248	250	249	254	257	267	271	299	330	49	336	6	267	327	311	296	312	333	332	216	184	188	242
11	246	248	250	247	251	256	260	297	347	297	159	75	145	153	125	139	120	126	132	138	150	247	239	244
12	249	245	253	251	240	247	253	262	251	299	101	154	146	132	159	152	207	168	216	276	259	278	296	280
13	259	244	246	243	235	244	257	259	264	326	335	135	160	131	153	187	202	237	285	276	277	290	304	322
14	329	246	249	244	252	245	251	262	265	323	88	155	150	151	177	200	263	284	279	285	300	323	335	9
15	0	355	0	346	338	317	273	269	322	5	11	336	354	317	268	243	258	280	267	273	266	278	301	312
16	2	295	316	323	334	352	348	8	22	55	350	333	313	299	290	289	285	283	313	298	297	253	274	263
17	248	264	260	241	221	226	305	1	341	352	10	323	19	357	7	346	18	20	34	73	170	190	244	147
18	247	241	253	257	227	242	266	323	359	327	112	165	130	141	147	138	140	142	133	154	279	279	280	269
19	265	276	271	279	253	262	318	335	18	53	351	118	297	8	142	[PA]	[PA]	[PA]	250	275	272	287	268	252
20	279	256	240	257	246	266	309	356	312	284	328	312	284	313	309	318	294	310	286	283	284	264	258	274
21	282	276	271	265	261	276	325	323	329	333	338	342	15	274	58	43	23	15	13	339	267	246	273	261
22	266	266	257	260	251	260	268	307	322	346	343	17	312	324	247	6	51	49	352	326	207	182	189	249
23	261	249	247	252	251	265	269	305	307	351	351	354	356	360	359	347	339	337	329	306	222	184	187	187
24	244	248	208	244	273	257	284	287	306	345	352	13	5	333	337	331	345	355	330	304	208	193	192	239
25	266	238	251	253	258	276	261	326	332	343	6	1	3	39	22	347	356	337	323	320	279	201	262	260
26	252	249	261	253	257	263	282	327	346	274	117	136	146	163	69	109	219	204	238	275	263	259	259	247
27	255	261	290	262	263	253	253	257	269	280	282	246	185	202	159	209	167	290	278	268	266	269	281	278
28	315	299	247	254	257	266	269	280	349	28	28	287	296	283	178	201	275	270	244	258	264	286	263	240
29	257	254	278	261	250	251	262	267	334	279	323	276	321	109	113	237	291	293	293	278	269	261	263	266
30	288	283	279	235	241	254	254	274	300	293	273	280	238	231	228	223	233	252	247	245	256	264	260	253

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Palmdale
ELEVATION : 2760 feet
PARAMETER : Wind Direction

LATITUDE : 34 degrees 33 minutes 26 seconds
LONGITUDE : 118 degrees 06 minutes 46 seconds

T & B SYSTEMS, INC.
MONTH : June
YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	206	208	226	240	245	68	205	228	228	221	221	220	230	225	233	230	224	223	240	247	250	242	242	243
2	253	254	246	235	254	260	267	249	233	223	223	231	251	257	244	235	242	241	243	235	246	245	235	221
3	220	216	219	217	216	230	224	218	359	17	228	206	214	221	216	237	240	234	228	231	243	207	215	216
4	252	249	252	200	211	188	156	100	72	51	46	256	265	244	252	247	249	257	304	269	278	288	269	293
5	225	334	121	146	11[illegible]	303	294	19	307	282	312	328	329	335	322	302	306	301	283	268	210	209	263	317
6	297	253	84	204	186	176	94	330	331	327	351	337	312	327	328	325	320	321	317	316	307	299	290	319
7	97	196	185	216	257	305	305	307	312	312	291	257	238	234	236	236	231	237	232	260	290	264	266	280
8	223	220	225	219	217	218	216	214	213	255	260	257	242	264	270	252	250	250	249	250	265	253	242	240
9	228	229	223	221	222	259	62	359	331	344	36	339	332	16	359	283	258	256	237	239	99	229	229	242
10	269	229	254	237	227	238	169	66	37	74	80	48	306	336	57	75	260	256	240	240	191	168	324	242
11	248	210	205	285	213	239	36	108	85	85	59	316	264	273	265	253	250	247	239	233	140	132	206	202
12	208	197	208	223	298	255	9	54	62	264	249	254	258	245	241	241	237	238	236	315	305	242	206	230
13	248	182	170	178	186	176	234	271	251	242	240	243	235	237	236	235	226	236	229	215	19	331	305	245
14	242	226	218	249	215	196	263	260	272	274	264	[PA]	[PA]	[PA]	232	225	231	238	292	323	292	288	276	208
15	226	222	214	208	211	211	210	228	235	263	244	224	214	207	217	230	225	223	227	268	259	262	244	280
16	289	281	284	299	294	319	285	224	224	242	236	234	190	187	227	221	218	219	215	238	246	240	206	203
17	200	201	204	224	210	210	206	306	297	266	224	244	239	235	234	239	245	246	232	222	220	213	216	244
18	264	239	209	214	196	152	89	16	70	49	52	258	252	246	231	232	234	236	288	319	270	282	256	191
19	236	261	276	195	208	244	36	51	308	249	257	249	247	257	272	276	283	270	298	264	261	278	340	310
20	250	267	136	104	92	310	5	358	326	354	336	250	239	246	243	249	248	247	278	283	274	185	196	173
21	226	137	173	171	166	176	48	29	33	28	60	25	6	288	344	306	262	253	259	241	267	180	211	183
22	181	166	167	174	178	206	168	55	59	38	46	38	329	248	133	250	251	234	232	242	342	177	200	212
23	207	217	232	214	210	212	211	84	29	22	32	58	77	349	103	338	254	247	233	228	244	233	217	207
24	196	207	206	204	208	184	127	45	47	31	40	15	351	3	358	315	246	243	235	254	248	252	225	218
25	234	232	187	208	203	177	192	121	71	49	32	85	18	238	244	244	237	233	240	236	250	258	244	217
26	201	225	235	198	199	229	218	311	359	332	23	155	208	217	214	208	217	228	228	207	204	209	202	217
27	221	213	216	216	218	209	132	84	202	213	212	237	240	241	236	238	254	240	218	211	263	246	241	220
28	203	205	214	215	192	66	358	214	215	234	231	224	234	243	245	254	258	246	221	283	269	213	215	207
29	254	206	235	208	186	229	216	212	217	218	218	251	237	234	232	231	230	243	238	240	247	250	218	206
30	148	228	256	227	359	237	285	242	237	235	240	243	253	260	237	225	226	231	227	223	215	216	211	210

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Quartzite Mountain

LATITUDE : 34 degrees 36 minutes 38 seconds

MONTH : June

ELEVATION : 4482 feet

LONGITUDE : 117 degrees 17 minutes 20 seconds

YEAR : 1995

PARAMETER : Wind Direction

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	185	184	186	192	195	182	186	186	191	190	188	189	189	187	188	190	192	189	195	195	214	220	215	222
2	219	222	218	218	220	219	221	217	216	204	202	218	225	234	218	222	217	215	217	216	218	215	217	212
3	208	219	221	222	226	237	272	290	293	324	356	1	341	327	321	301	226	217	252	266	263	224	219	222
4	222	222	275	256	218	222	231	262	273	303	307	189	190	188	188	186	190	194	235	226	222	221	219	219
5	231	227	227	223	239	231	220	220	218	222	222	219	220	226	228	237	248	249	225	229	241	261	281	278
6	272	276	251	259	265	281	246	243	245	237	234	228	229	237	245	228	222	224	249	271	276	283	288	289
7	318	325	309	285	229	254	244	245	225	225	229	225	253	189	188	192	187	186	191	194	189	196	206	207
8	200	194	195	199	211	218	217	219	257	244	231	241	249	245	228	233	230	226	220	226	218	213	213	219
9	219	217	220	221	230	222	231	271	264	217	188	167	187	202	207	207	269	242	323	229	237	278	277	265
10	228	237	240	273	306	295	353	13	24	161	110	20	354	17	313	329	342	340	342	245	253	268	231	220
11	221	217	220	220	235	287	298	353	117	170	184	178	186	183	188	188	188	188	193	213	222	221	222	243
12	222	196	201	263	231	247	282	148	167	189	186	188	187	188	187	188	187	188	190	193	202	217	220	217
13	209	216	222	209	180	200	186	189	191	193	186	188	187	187	187	187	187	186	189	202	192	199	213	218
14	177	190	248	227	272	233	208	184	190	193	189	187	188	187	187	188	187	190	194	190	193	201	205	212
15	202	187	191	192	191	191	191	192	191	[PA]	[PA]	189	188	188	187	187	188	189	190	189	200	194	193	187
16	195	224	210	193	189	187	188	188	189	189	192	187	188	185	190	186	184	187	185	183	188	197	211	231
17	238	234	235	226	235	233	256	311	272	250	221	236	238	304	283	276	227	219	236	230	240	233	226	218
18	218	223	221	220	220	220	219	214	200	185	185	247	204	186	185	187	189	188	217	239	228	223	221	220
19	220	231	265	272	260	241	243	247	217	214	199	191	192	199	188	189	186	194	229	219	219	221	227	228
20	224	224	222	221	226	225	220	216	216	224	223	227	234	224	218	231	239	238	241	254	256	240	223	222
21	257	274	290	297	313	348	20	39	28	42	86	74	218	271	238	225	299	302	301	280	279	282	275	257
22	224	223	221	232	264	333	353	0	17	68	30	136	94	359	298	259	283	349	337	215	267	303	286	288
23	274	240	232	236	276	280	318	352	355	358	51	58	45	50	41	35	47	32	41	48	358	275	274	262
24	265	282	274	274	250	213	271	322	151	156	81	54	49	53	24	32	45	3	345	351	273	285	267	241
25	237	232	234	245	242	261	269	271	348	196	79	151	9	179	22	93	342	356	202	224	225	230	227	251
26	244	262	249	243	280	293	291	313	344	22	189	184	189	186	188	186	190	206	308	226	192	192	190	190
27	195	211	214	217	206	203	196	186	187	190	184	191	185	188	187	189	187	187	189	189	190	195	195	193
28	193	192	194	205	206	209	202	214	212	199	187	186	186	187	187	188	186	189	186	189	192	188	192	187
29	188	187	192	187	204	197	189	187	189	190	200	274	231	225	213	213	187	189	194	209	214	216	209	214
30	213	215	218	218	205	211	215	223	220	225	216	217	223	212	187	187	186	187	188	188	190	190	189	189

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Shadow Mountain
ELEVATION : 4120 feet
PARAMETER : Wind Direction

LATITUDE : 34 degrees 44 minutes 15 seconds
LONGITUDE : 117 degrees 33 minutes 54 seconds

T & B SYSTEMS, INC.
MONTH : June
YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	273	293	303	285	269	283	293	294	268	288	317	273	272	164	214	265	264	260	255	252	248	250	249	256
2	255	250	250	251	252	253	260	263	259	270	261	264	263	267	266	266	261	265	262	254	256	248	247	249
3	251	256	256	252	251	253	263	271	279	303	36	31	30	284	299	278	274	278	276	267	266	258	256	256
4	261	271	273	272	260	247	259	279	308	306	285	241	228	230	242	280	281	284	281	278	273	274	269	271
5	270	256	254	264	276	267	263	265	271	278	283	283	283	285	288	287	290	282	266	275	272	271	272	267
6	262	259	248	258	257	267	263	271	275	267	267	263	267	268	275	281	280	282	292	294	298	294	299	290
7	318	295	264	248	266	266	269	270	271	272	276	275	269	275	245	256	271	268	271	273	282	274	270	272
8	249	250	249	248	251	251	256	268	272	257	263	277	277	278	272	279	298	275	253	260	262	250	247	252
9	247	246	247	254	257	260	272	275	273	250	179	178	196	251	269	312	309	302	310	283	280	277	271	266
10	266	264	252	257	268	261	237	54	42	64	80	59	52	35	3	13	344	320	323	290	283	278	269	263
11	269	264	260	268	278	290	284	276	209	238	218	230	142	219	260	275	281	274	274	282	286	279	272	271
12	273	275	265	253	245	256	271	249	186	215	236	223	291	257	268	274	268	271	274	277	278	277	265	267
13	281	278	273	250	266	263	250	245	220	244	256	244	257	275	271	268	269	272	279	283	274	271	275	274
14	246	249	255	266	273	265	261	253	228	224	216	255	283	275	268	264	263	276	284	271	276	280	277	275
15	267	255	259	264	266	265	264	265	266	263	264	250	261	257	[PA]	[PA]	[PA]	269	270	269	274	268	268	276
16	279	282	275	257	264	273	260	207	215	254	255	257	237	197	196	212	206	220	9	10	359	234	263	268
17	264	259	263	254	261	261	265	263	247	240	267	266	275	283	292	266	269	270	272	275	265	256	252	246
18	250	252	248	250	257	262	266	271	278	221	223	253	242	242	259	267	274	274	275	279	278	276	275	274
19	274	276	262	258	255	265	265	274	269	262	257	265	266	269	271	275	279	282	280	279	278	271	271	263
20	264	266	259	260	263	256	269	261	267	269	274	277	276	274	271	269	273	270	272	270	267	268	262	253
21	254	269	270	288	324	1	45	60	55	50	50	57	85	43	314	269	308	288	282	281	273	273	263	265
22	250	245	247	258	268	340	353	71	28	62	72	68	73	62	350	352	309	337	334	276	276	280	284	282
23	266	262	272	281	282	285	310	344	13	52	61	51	53	58	49	48	23	50	60	86	267	270	263	261
24	267	271	279	281	261	248	295	336	113	121	80	30	33	49	61	64	63	13	330	282	271	271	259	248
25	252	259	261	261	267	278	272	254	328	22	40	36	63	77	150	32	347	277	265	260	262	268	271	268
26	267	272	274	268	268	280	286	291	318	31	61	90	159	155	208	240	293	320	315	227	231	210	238	259
27	264	258	253	266	266	252	257	267	277	257	245	197	216	178	245	272	274	269	265	272	260	254	242	245
28	249	255	254	256	261	264	263	269	258	253	255	265	253	262	274	252	246	251	236	245	242	229	228	191
29	236	258	227	249	263	271	260	264	268	260	234	175	270	246	256	266	268	263	261	262	260	249	245	252
30	259	254	250	256	260	257	261	260	256	260	258	254	244	259	253	252	248	238	233	245	250	254	247	227

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Baldy Mesa

ELEVATION : 4250 feet

PARAMETER : Standard Deviation of Wind Direction (Sigma Theta)

LATITUDE : 34 degrees 23 minutes 20 seconds

LONGITUDE : 117 degrees 26 minutes 33 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[CA]	[CA]	[CA]	21.7	6.5	8.2	7.8	6.8	6.8	9.5	7.8	6.2	5.5
4	6.6	7.5	19.1	17.8	8.5	11.3	37.5	27.9	36.5	39.9	21.5	13.3	11.5	11.9	10.9	10.6	9.5	8.9	8.4	9.7	7.6	10.5	7.3	14.1
5	21.9	7.5	5.2	13.9	8.7	8.1	9.1	11.6	10.2	10.9	11.3	12.0	11.8	13.5	14.7	35.2	14.6	12.0	16.5	22.1	25.3	10.2	10.7	11.1
6	9.9	11.2	12.0	10.3	9.9	12.4	13.9	16.5	13.3	12.9	17.3	16.7	20.5	30.3	23.7	15.1	11.6	11.4	15.8	15.8	11.3	11.1	9.9	9.4
7	9.9	9.5	10.4	8.4	8.9	12.0	16.6	24.8	13.9	14.8	10.9	10.7	11.5	9.0	10.2	10.1	10.1	10.3	9.1	8.5	10.8	9.3	8.8	8.8
8	9.2	8.1	8.7	8.0	7.7	9.0	9.4	10.0	11.6	13.4	14.4	12.9	12.7	13.8	12.9	20.2	13.1	9.0	8.1	8.4	9.7	7.1	6.4	5.9
9	6.5	4.6	8.6	8.0	5.7	12.6	11.5	28.9	48.4	39.6	56.5	29.5	25.1	37.8	24.6	17.0	14.8	11.1	10.2	7.6	7.5	6.8	7.1	6.2
10	8.7	9.9	9.2	10.6	21.8	5.5	19.8	31.3	31.8	33.7	43.2	45.7	52.0	52.9	57.3	45.3	47.5	9.2	8.0	8.8	7.7	7.9	5.0	19.7
11	31.3	8.1	6.6	6.9	5.7	10.6	14.7	23.5	31.9	23.8	14.7	13.0	12.3	12.6	11.5	10.5	9.6	10.0	8.2	8.4	7.9	8.3	7.7	7.7
12	8.9	8.2	6.4	4.1	13.3	28.2	16.0	12.1	12.1	11.8	15.4	11.5	12.0	9.7	10.2	9.5	9.8	9.6	9.1	8.0	7.7	8.3	9.3	8.9
13	8.3	8.2	7.1	6.6	7.2	8.2	8.8	11.8	10.7	11.6	11.6	10.7	10.4	10.8	9.6	10.6	9.4	9.2	8.5	8.5	7.6	7.6	8.1	8.6
14	8.3	8.6	7.9	7.5	9.1	9.1	8.9	8.6	[PA]	[PA]	[PA]	9.3	9.8	10.5	10.1	9.7	9.7	9.8	11.7	9.4	9.4	10.0	10.5	10.2
15	10.2	8.3	9.0	8.8	8.8	9.5	9.2	8.8	8.4	9.9	9.2	9.3	10.1	10.5	9.5	8.8	9.4	9.4	9.3	10.8	9.5	11.7	13.6	9.9
16	10.2	11.9	9.3	8.6	9.0	10.4	13.3	8.9	9.9	9.5	10.0	10.1	11.4	11.3	9.6	11.7	11.3	9.7	8.7	8.8	8.9	8.7	8.3	8.0
17	7.2	6.9	9.3	8.7	7.7	11.7	11.1	15.2	35.4	50.9	14.8	13.9	13.8	13.2	10.8	11.1	10.3	9.3	7.9	7.9	7.9	7.3	7.1	21.1
18	34.2	9.2	7.7	11.0	8.1	11.0	13.9	20.8	37.5	17.7	13.8	13.8	13.5	12.6	12.2	10.5	11.3	9.3	8.9	19.0	12.2	8.6	8.8	9.7
19	8.6	5.6	4.1	32.7	18.1	12.8	27.3	18.3	15.2	12.9	13.2	13.5	11.7	11.5	10.2	9.2	10.2	10.7	9.0	7.3	9.1	15.1	23.2	15.1
20	19.4	13.6	6.5	6.1	5.9	12.4	11.2	13.4	11.6	13.8	13.2	13.4	13.4	11.5	10.7	10.5	10.0	10.1	9.4	9.1	8.5	8.5	14.2	14.9
21	34.2	25.4	30.7	25.8	11.1	8.0	26.4	17.4	19.4	28.0	29.6	47.8	60.4	17.2	12.7	13.2	10.6	9.3	8.2	9.0	9.5	8.6	14.3	28.8
22	48.9	22.6	51.2	48.8	33.0	13.5	23.2	17.0	28.8	24.5	37.1	42.0	40.4	22.0	24.7	15.4	12.4	9.3	11.0	7.8	8.3	9.8	46.2	49.6
23	18.5	10.5	9.5	20.9	33.7	41.2	23.2	15.9	22.6	21.8	28.3	27.7	43.2	60.1	47.6	45.4	53.4	38.2	10.5	6.3	7.6	7.0	15.1	9.6
24	9.2	29.1	40.3	29.0	12.4	11.3	26.0	21.5	25.1	18.8	35.4	32.6	29.0	38.4	38.7	29.2	23.1	49.4	7.8	7.7	9.8	10.2	9.6	9.4
25	9.1	41.2	27.8	8.2	23.4	12.7	21.2	23.4	26.0	31.0	50.2	51.8	46.7	34.2	13.4	11.6	9.9	8.0	8.2	8.5	7.9	6.9	8.0	8.7
26	7.8	10.1	8.5	11.4	7.9	44.7	21.3	22.4	30.8	41.7	27.6	12.6	10.8	10.7	9.1	8.6	8.5	9.2	9.9	7.6	7.4	7.0	7.0	7.6
27	8.2	8.9	8.2	7.5	7.3	7.5	8.5	9.0	10.1	11.8	11.8	11.7	10.7	11.9	10.8	10.5	10.3	9.4	8.5	8.5	8.3	7.5	8.3	9.9
28	9.3	7.5	7.1	7.1	7.3	7.7	8.8	9.8	11.8	11.3	12.4	12.3	11.6	11.2	10.9	10.3	10.3	8.5	9.0	8.8	8.7	7.0	7.4	7.9
29	7.3	6.4	6.7	7.2	7.1	9.1	9.0	9.9	11.4	12.6	10.9	12.0	12.8	11.6	10.0	10.4	10.0	7.8	8.1	11.2	14.9	11.4	9.9	9.7
30	9.9	10.0	7.4	8.3	7.8	7.8	7.6	10.2	12.9	14.5	13.9	14.7	12.0	12.2	10.9	10.7	10.9	9.9	8.7	7.8	8.2	8.8	9.1	8.2
AVG.	14.1	11.8	12.8	13.0	11.7	13.3	15.8	16.6	20.7	20.9	21.1	19.4	20.0	19.0	16.8	15.3	13.9	12.0	9.4	9.6	9.6	8.9	11.0	12.3

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Boron

LATITUDE : 35 degrees 01 minutes 00 seconds

MONTH : June

ELEVATION : 2460 feet

LONGITUDE : 117 degrees 39 minutes 00 seconds

YEAR : 1995

PARAMETER : Standard Deviation of Wind Direction (Sigma Theta)

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	[BM]	22.3	14.2	14.6	13.7	11.9	12.6	11.6	12.4	12.3	13.4
2	13.1	13.8	14.0	13.2	12.9	13.9	13.8	17.6	19.4	17.6	16.1	19.3	18.1	17.1	17.2	17.4	15.2	16.9	13.8	14.7	13.6	13.4	13.3	12.1
3	12.0	11.5	13.4	14.5	13.5	14.5	16.0	18.9	27.5	34.7	46.1	40.8	43.5	47.3	40.8	36.2	17.5	17.3	15.7	15.2	14.3	12.6	14.3	14.2
4	14.8	16.4	15.6	38.8	18.3	12.5	25.6	51.1	43.8	37.8	45.5	31.5	31.4	30.7	20.6	19.5	17.6	12.7	15.2	16.4	17.9	14.0	16.9	16.7
5	16.2	15.6	12.3	13.1	13.1	14.2	12.7	14.2	17.0	17.5	17.0	14.7	14.1	16.1	15.4	12.8	16.7	12.7	13.1	18.3	14.9	15.2	13.9	15.6
6	14.3	13.4	13.0	15.3	17.9	27.1	17.9	19.4	20.9	19.3	15.7	16.8	16.8	15.5	14.9	13.9	12.2	10.3	9.2	7.6	9.4	18.1	15.3	42.7
7	57.5	24.1	14.0	15.5	16.4	16.3	14.4	19.2	19.7	17.6	16.6	18.7	18.1	19.1	17.4	17.5	16.9	16.5	18.0	17.5	15.5	21.0	13.9	13.4
8	14.2	13.0	14.1	14.1	16.5	12.9	15.1	18.5	20.9	21.8	21.5	22.8	23.2	26.3	27.8	25.4	19.0	18.9	15.8	15.9	12.6	12.7	12.5	12.2
9	13.0	13.0	13.8	19.0	51.8	29.2	19.0	26.8	31.4	50.6	52.1	46.2	53.0	43.9	59.8	37.1	63.3	34.0	21.4	14.8	15.7	14.0	13.7	16.8
10	16.6	15.9	35.0	12.6	17.0	11.8	22.4	46.9	25.3	38.2	45.8	44.8	44.3	53.1	59.1	45.1	37.0	32.8	16.8	13.6	17.3	14.1	14.1	12.6
11	11.7	12.9	17.0	44.7	17.3	12.8	23.1	37.7	62.5	42.4	29.9	29.0	27.5	26.4	30.5	19.9	19.9	17.6	15.2	17.4	16.7	16.4	18.1	40.5
12	39.0	21.6	17.9	28.0	19.6	26.6	16.0	24.9	28.6	27.6	22.2	21.4	26.6	21.0	19.9	18.4	17.8	15.4	15.6	13.9	14.4	18.3	36.3	18.7
13	13.0	14.2	18.0	16.0	19.9	25.0	16.3	17.9	20.0	17.9	17.4	19.2	18.8	18.4	18.1	18.3	17.1	16.1	15.2	14.2	13.5	14.9	15.7	14.1
14	15.4	14.0	13.4	17.4	17.1	18.5	18.9	18.5	17.3	18.9	18.6	18.0	16.6	15.6	16.4	16.7	15.5	17.3	17.4	17.7	17.4	14.5	14.5	14.4
15	16.3	16.5	17.5	17.4	16.9	16.9	16.1	17.0	17.8	17.2	16.4	17.0	15.6	16.7	16.1	16.5	14.0	14.7	16.5	16.1	18.1	13.9	10.7	9.3
16	14.8	16.3	17.2	17.6	20.0	12.6	17.3	16.5	16.8	16.1	14.8	15.5	15.9	16.6	19.9	25.2	29.2	33.7	21.4	23.0	44.7	15.6	31.7	29.2
17	14.7	13.1	15.6	39.0	35.8	54.1	26.9	26.3	30.9	46.9	52.9	59.3	34.3	33.7	46.5	21.0	15.5	14.3	14.4	17.3	13.3	11.9	13.0	13.9
18	13.7	14.3	15.0	54.1	17.2	10.6	24.3	70.8	55.1	61.0	51.7	40.5	26.3	28.6	22.9	20.2	18.4	11.6	9.3	11.4	15.8	16.2	13.8	16.0
19	15.1	14.9	13.5	12.8	13.1	13.0	13.0	14.5	18.1	18.0	17.6	18.7	20.3	19.2	18.8	16.1	15.2	12.6	13.3	16.5	18.2	17.1	13.2	14.4
20	15.5	14.1	14.4	12.2	13.1	13.0	14.1	16.9	16.4	18.6	18.9	17.4	18.0	[PA]	[PA]	17.1	18.0	16.6	16.5	14.8	15.4	16.4	12.7	12.6
21	15.7	15.6	24.2	18.3	13.1	16.1	30.1	51.6	58.1	30.1	49.4	65.6	70.0	65.3	51.6	37.6	27.7	22.8	10.7	13.1	13.5	16.0	13.0	12.1
22	17.2	19.9	32.7	10.4	11.9	13.1	28.1	43.6	35.8	53.5	39.7	34.5	43.2	36.0	54.6	35.1	47.8	27.8	19.4	14.5	16.5	15.9	13.3	12.8
23	12.7	12.4	13.8	35.5	29.8	16.7	22.5	32.3	52.4	47.5	33.7	30.8	44.1	43.5	48.0	48.9	70.2	44.3	15.4	15.3	16.8	13.6	13.2	12.6
24	14.2	19.8	28.8	14.0	16.5	21.7	21.3	34.5	23.9	21.2	25.8	41.0	43.5	49.7	41.7	50.0	53.1	36.2	16.4	13.1	17.2	16.9	13.8	13.0
25	15.6	14.5	12.5	13.7	19.5	17.6	18.2	24.0	37.8	47.5	29.9	24.2	39.8	52.6	40.1	52.4	28.7	38.3	16.7	13.4	13.1	12.9	13.6	12.8
26	17.6	14.4	14.1	19.0	19.1	13.9	15.2	18.2	29.0	46.1	71.9	49.9	53.9	53.5	35.8	18.2	12.4	16.3	17.6	21.3	41.5	21.3	18.9	16.9
27	13.9	18.2	16.6	12.9	15.8	33.6	42.0	16.8	22.1	29.0	36.0	63.2	54.9	33.0	37.0	36.5	17.5	17.0	16.2	14.5	16.9	14.9	13.5	14.2
28	15.0	14.2	15.9	20.0	17.3	18.3	18.3	16.7	19.1	20.9	20.0	21.2	18.4	20.5	20.6	18.8	16.7	16.9	17.6	17.1	16.5	16.0	14.5	44.4
29	28.8	44.7	68.2	43.4	27.7	20.8	21.0	18.3	19.8	27.2	38.6	47.8	46.0	44.8	41.5	45.2	20.5	16.8	14.8	16.5	14.7	12.2	11.8	12.2
30	13.6	13.6	18.9	15.7	15.7	17.4	15.1	17.8	20.0	19.4	20.3	22.3	23.1	20.6	17.4	19.1	16.5	15.0	14.6	15.3	16.6	15.7	14.7	18.0
AVG.	17.4	16.4	19.0	21.3	19.1	18.8	19.8	26.5	28.5	30.4	31.1	31.5	31.7	31.6	30.8	26.3	24.1	20.2	15.5	15.4	17.1	15.3	15.3	17.4

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Catalina Airport

ELEVATION : 1602 feet

PARAMETER : Standard Deviation of Wind Direction (Sigma Theta)

LATITUDE : 33 degrees 24 minutes 00 seconds

LONGITUDE : 118 degrees 24 minutes 30 seconds

T & B SYSTEMS, INC.

MONTH : June

YEAR : 1995

HOUR (PST)

DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
2	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
4	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
5	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
6	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
7	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
8	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
9	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
10	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
11	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
12	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
13	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
14	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
15	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
16	9.4	9.9	8.5	8.6	8.8	9.2	9.9	13.3	11.9	12.3	10.4	10.6	9.7	9.7	11.0	10.5	10.6	12.2	12.0	11.0	12.4	10.5	7.6	8.1
17	13.3	15.4	14.9	14.8	22.1	12.2	25.6	25.9	22.1	32.5	31.9	22.4	27.7	21.5	13.0	11.3	9.3	7.6	7.2	6.4	6.5	8.9	7.6	6.5
18	7.1	6.5	4.4	9.7	16.5	17.5	45.9	72.6	36.6	16.8	10.2	11.5	10.2	8.6	9.5	8.5	8.1	6.3	7.2	7.0	9.0	6.9	7.1	40.4
19	13.2	10.6	13.5	11.4	10.3	11.7	11.9	26.9	24.0	32.7	17.1	25.1	23.9	17.4	11.6	9.4	9.3	8.7	27.2	4.5	8.1	13.9	13.0	5.7
20	11.7	12.3	10.3	13.3	7.9	13.1	47.5	65.5	31.3	23.6	24.7	25.5	21.5	26.5	25.8	22.9	20.7	16.2	8.4	6.7	7.6	9.1	33.7	6.9
21	14.1	9.5	14.0	17.0	21.4	29.1	32.9	41.3	41.7	15.7	18.8	19.3	22.7	16.4	18.9	18.9	10.1	10.1	18.4	7.9	11.2	25.7	11.6	30.6
22	39.6	28.6	9.9	8.1	23.7	47.3	56.0	50.4	49.3	21.2	18.8	21.8	35.8	29.5	[CA]	[CA]	21.5	11.8	10.6	6.9	7.1	7.5	8.6	11.7
23	6.3	6.5	6.1	6.6	10.9	15.8	15.0	11.0	35.4	21.4	18.0	22.3	17.7	18.0	11.0	6.8	8.6	11.2	8.2	6.1	5.6	5.6	7.1	6.2
24	5.3	7.3	9.9	55.7	15.8	15.0	14.7	48.4	43.1	27.4	30.0	33.6	22.3	27.0	25.4	14.1	12.8	12.8	14.4	32.6	28.7	22.0	10.4	34.4
25	47.5	32.8	22.2	12.3	20.0	58.7	46.4	32.4	54.2	35.5	26.7	25.7	25.5	16.4	17.9	20.0	37.3	24.4	31.4	55.1	59.6	60.0	26.3	17.8
26	22.3	26.1	13.4	13.0	9.7	9.6	13.3	15.6	11.7	27.9	43.1	40.3	34.7	32.0	16.4	23.5	13.2	24.3	18.5	16.1	16.6	14.8	15.6	20.0
27	14.0	13.9	17.0	27.8	52.5	47.5	39.1	31.9	44.9	15.9	18.9	17.7	17.4	18.5	24.1	23.1	9.3	13.3	15.1	10.8	9.8	12.9	15.3	30.7
28	20.1	41.5	13.8	70.7	20.7	9.3	21.9	25.6	37.7	31.0	36.8	12.4	13.4	11.4	11.3	7.8	9.0	6.7	8.1	16.4	16.2	22.4	22.8	24.4
29	30.8	45.3	42.5	38.2	26.5	37.6	45.1	50.3	25.4	16.5	32.0	26.7	14.3	11.3	8.6	6.8	8.4	7.5	12.0	7.3	7.4	7.6	9.2	36.3
30	30.3	39.7	18.4	15.4	17.2	19.1	54.4	49.9	16.7	25.2	31.4	8.7	9.5	8.7	9.4	10.3	10.3	7.9	7.4	7.3	8.6	8.3	7.4	10.0
AVG.	19.0	20.4	14.6	21.5	18.9	23.5	32.0	37.4	32.4	23.7	24.6	21.6	20.4	18.2	15.3	13.9	13.2	12.1	13.7	13.5	14.1	15.4	13.3	18.8

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Flash II Mountain

LATITUDE : 34 degrees 58 minutes 15 seconds

MONTH : June

ELEVATION : 3325 feet

LONGITUDE : 117 degrees 02 minutes 22 seconds

YEAR : 1995

PARAMETER : Standard Deviation of Wind Direction (Sigma Theta)

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	16.4	16.8	15.8	12.3	12.9	9.5	13.0	12.3	18.8	24.4	25.2	17.6	15.4	10.2	11.0	10.6	10.6	7.6	7.1	9.6	11.4	10.8	10.8	11.5
2	7.9	7.1	7.6	9.3	11.6	10.9	10.7	9.9	10.9	13.6	14.5	11.1	16.1	15.2	12.3	9.6	12.8	9.2	9.0	7.5	7.6	6.9	8.2	9.1
3	13.2	13.7	10.6	11.8	10.1	7.7	8.6	14.0	15.2	17.5	16.9	21.9	43.8	29.6	31.0	38.1	28.7	28.5	16.3	16.0	12.6	10.9	8.8	11.3
4	9.3	7.7	10.0	15.0	7.9	8.4	12.4	21.7	23.1	14.0	24.2	28.7	21.4	14.7	15.1	14.2	13.5	16.3	15.9	13.2	8.8	8.5	7.3	11.1
5	10.6	7.9	7.8	8.7	10.5	15.4	14.0	9.9	11.6	11.8	14.6	14.3	16.0	17.4	17.8	15.8	13.8	10.5	11.6	11.6	11.5	10.4	11.7	10.7
6	9.2	7.1	7.1	7.0	7.3	7.3	7.6	7.6	13.9	12.6	11.5	12.4	12.7	17.2	16.2	17.9	16.6	16.4	15.6	15.4	25.2	28.1	21.1	14.4
7	18.1	7.6	25.2	14.1	10.0	22.1	26.0	18.9	14.1	24.7	22.3	11.0	12.7	18.9	15.4	9.7	26.4	21.8	15.8	23.3	20.4	18.8	8.4	11.1
8	9.9	8.8	6.6	9.5	9.5	8.6	10.6	15.8	19.7	21.0	24.2	15.5	26.3	31.9	32.1	24.5	16.8	13.7	11.8	7.8	8.4	7.5	7.9	8.4
9	9.2	9.8	9.1	8.6	7.4	8.5	8.7	23.2	25.9	33.5	32.8	35.3	38.6	37.5	20.9	22.0	30.1	40.2	29.6	27.7	18.6	9.7	7.3	6.0
10	6.8	6.8	6.1	5.9	10.1	19.8	22.8	28.2	36.8	23.1	44.1	[IM]	[IM]	[IM]	[IM]	[IM]	[IM]	[MT]	[MT]	[MT]	10.8	16.8	6.4	6.4
11	9.4	8.9	8.4	5.7	7.1	8.1	9.1	10.4	18.3	32.3	36.1	42.4	25.0	23.8	27.1	24.1	27.5	20.3	21.7	15.3	15.4	12.0	13.7	8.0
12	9.5	9.3	7.2	6.6	4.6	14.8	18.3	21.1	26.5	29.4	21.2	42.7	54.3	18.3	15.6	12.8	10.6	10.2	13.4	11.6	9.8	15.2	11.4	10.6
13	10.7	10.1	9.1	9.9	7.9	8.8	13.9	20.3	29.0	20.1	25.5	23.4	15.3	17.2	13.0	13.8	17.5	17.0	15.4	9.9	8.3	10.6	10.7	11.6
14	9.8	11.7	18.4	27.7	24.6	22.9	15.0	11.3	8.8	11.0	10.9	13.8	14.8	20.9	17.7	26.2	25.2	17.9	17.0	17.9	13.3	18.1	11.5	11.7
15	10.0	9.6	15.0	13.5	19.4	12.6	16.5	12.8	9.1	7.9	9.8	11.0	16.5	12.2	10.3	7.3	7.0	8.1	9.8	10.3	16.2	21.9	15.2	14.0
16	15.7	17.0	12.8	17.6	10.9	21.5	10.1	8.6	12.4	12.0	15.1	12.4	12.0	10.4	12.2	10.9	11.1	10.9	8.8	8.0	7.1	8.4	7.1	7.8
17	9.2	8.0	8.0	22.2	24.6	14.3	17.9	18.5	17.4	15.6	26.9	27.9	40.9	48.0	41.4	50.7	45.6	27.5	19.0	14.9	13.5	11.9	8.7	7.6
18	7.7	8.1	7.9	7.4	6.5	7.0	7.9	9.9	13.7	29.1	20.0	22.8	19.7	20.7	22.9	13.7	14.1	14.9	17.4	18.3	26.3	18.5	10.9	7.8
19	10.0	9.3	9.6	12.0	12.3	11.4	12.7	12.5	8.7	9.3	10.4	10.4	11.6	11.6	12.0	17.0	17.7	18.3	17.2	14.3	12.0	9.8	12.8	12.6
20	13.0	8.9	9.9	8.5	7.8	9.2	12.3	13.1	[PA]	[PA]	22.0	14.4	13.6	12.4	10.5	13.0	18.6	13.1	11.9	12.6	11.7	9.9	11.1	29.2
21	8.6	10.2	12.7	10.9	8.7	9.7	14.7	22.4	29.9	50.8	39.7	41.3	54.1	55.9	39.6	29.2	30.9	31.7	27.6	17.6	26.6	13.2	8.4	10.3
22	9.5	7.3	8.9	7.2	21.4	13.4	19.5	19.9	27.9	27.0	45.6	53.2	59.6	43.3	39.1	41.7	61.0	61.4	56.9	6.5	21.5	10.5	9.0	7.2
23	14.4	6.0	8.0	7.6	6.5	11.8	25.1	27.2	42.0	50.9	46.0	34.4	52.4	39.5	42.5	21.8	52.6	20.0	11.5	8.4	9.5	41.2	19.1	18.5
24	12.3	7.0	6.0	7.2	6.4	6.4	11.6	19.8	61.0	66.3	59.5	42.6	61.5	45.5	40.5	64.3	31.1	54.5	45.3	10.9	7.2	27.7	7.6	8.1
25	7.9	7.3	7.9	7.5	6.3	11.9	19.0	10.6	33.8	24.4	60.0	63.6	45.2	50.4	52.2	37.2	42.4	37.6	25.2	26.5	9.7	9.4	10.5	9.3
26	8.6	9.4	7.1	6.7	13.0	22.2	6.8	13.5	28.1	30.1	40.4	56.4	41.5	16.7	17.0	32.3	22.8	23.6	25.6	15.4	23.1	13.8	20.9	24.5
27	24.6	12.8	8.4	7.4	5.8	8.5	10.3	17.4	14.3	26.1	38.5	41.0	44.7	33.4	9.9	12.5	10.3	10.9	8.9	7.8	7.9	7.5	7.0	11.7
28	9.4	17.2	9.5	9.6	10.3	8.4	11.3	14.3	14.7	15.1	17.8	21.4	23.1	31.7	21.3	13.9	11.0	7.7	10.4	8.6	9.7	17.9	23.5	24.5
29	22.6	26.3	20.1	17.9	8.1	23.7	19.8	14.6	20.3	23.5	21.0	31.7	27.1	19.0	18.5	23.0	15.3	15.5	9.9	13.1	8.1	8.1	8.3	8.5
30	10.9	8.6	7.9	8.1	8.5	9.5	11.0	15.7	19.4	19.5	28.2	15.9	12.8	18.1	14.1	14.9	10.3	11.5	7.4	7.7	10.6	10.6	14.9	13.7
AVG.	11.5	10.2	10.3	10.8	10.6	12.5	13.9	15.8	21.6	24.0	27.5	27.3	29.3	25.6	22.4	22.2	22.5	20.6	17.7	13.4	13.4	14.2	11.3	11.9

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Ludlow
ELEVATION : 1782 feet
PARAMETER : Standard Deviation of Wind Direction (Sigma Theta)

LATITUDE : 34 degrees 42 minutes 36 seconds
LONGITUDE : 116 degrees 09 minutes 15 seconds

T & B SYSTEMS, INC.
MONTH : June
YEAR : 1995

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	13.2	10.2	14.9	8.7	10.2	10.1	9.4	20.1	47.4	19.1	14.9	24.2	18.0	14.0	12.8	12.7	11.5	23.1	9.4	7.8	7.9	8.1	11.5	10.6
2	9.3	9.8	7.8	7.6	8.0	7.4	6.8	7.6	6.9	18.1	26.0	19.9	14.7	18.0	17.7	14.1	8.9	7.9	6.8	6.6	8.5	8.9	8.4	8.4
3	8.8	8.8	7.5	7.5	7.4	8.4	26.6	18.3	18.3	29.2	14.1	19.2	30.9	61.9	44.1	49.1	24.1	22.7	15.3	22.9	8.4	16.3	8.1	10.5
4	9.0	15.6	10.6	8.5	10.0	8.0	14.0	25.8	23.9	36.6	50.1	60.1	38.4	61.4	44.2	57.4	82.2	57.2	13.3	29.7	6.3	12.8	11.8	12.8
5	13.9	16.8	14.8	8.3	13.1	12.9	9.8	18.1	43.3	21.7	50.4	53.7	14.8	9.2	8.2	10.7	9.4	8.8	8.0	7.1	7.4	6.8	6.8	6.7
6	7.3	7.5	6.3	6.9	7.4	7.5	12.0	13.6	27.4	24.6	15.5	23.2	22.6	17.2	11.0	9.4	9.3	8.6	6.8	6.8	7.7	7.2	7.9	6.4
7	6.8	11.5	7.4	7.8	6.9	6.2	6.8	8.2	15.9	26.2	28.9	22.6	19.7	29.2	13.2	15.4	9.1	7.0	10.4	12.2	17.6	31.1	8.6	8.4
8	14.1	12.3	22.8	21.4	18.4	12.5	8.0	8.0	18.8	30.4	28.7	34.8	30.4	29.8	37.9	24.5	25.3	19.3	14.0	7.6	10.1	13.7	10.2	20.8
9	13.3	37.3	71.6	15.0	8.6	8.0	14.8	38.5	38.4	51.7	54.8	59.8	49.9	34.1	48.9	42.9	56.6	42.2	17.8	25.1	18.6	2.9	9.3	18.6
10	9.2	8.9	7.8	8.6	9.7	9.6	14.8	15.2	41.5	51.7	62.7	49.7	40.8	60.3	39.6	60.5	34.2	23.7	16.8	16.3	15.4	3.1	4.6	18.0
11	12.3	7.2	7.5	7.3	8.1	9.2	9.9	29.0	37.0	43.0	80.4	62.6	43.0	49.1	48.8	36.1	24.8	15.5	9.3	6.2	7.4	28.3	57.7	13.7
12	8.7	8.7	8.6	8.9	8.9	9.7	8.9	19.8	38.2	52.8	56.5	43.7	32.4	18.0	39.8	31.2	21.4	19.0	15.9	8.5	8.5	8.9	28.5	43.8
13	10.8	7.4	7.5	7.4	9.0	10.5	8.9	9.7	20.0	52.9	41.5	51.4	32.8	29.2	25.3	25.6	31.3	21.8	6.3	6.7	7.1	8.2	19.7	22.4
14	22.3	16.7	9.7	13.9	13.0	8.7	14.6	24.6	22.9	73.5	66.9	62.0	28.0	24.3	31.5	19.0	18.0	7.5	6.9	8.5	24.1	10.0	12.5	14.4
15	13.3	11.7	11.4	8.7	9.6	10.7	14.4	29.0	45.7	49.5	42.6	63.8	47.7	31.0	26.4	19.4	12.8	7.9	10.3	8.4	9.5	10.0	13.9	29.7
16	18.2	20.3	15.5	11.6	11.6	10.1	9.8	26.2	27.0	47.4	50.2	28.8	12.2	10.1	8.5	6.8	10.5	11.3	31.5	13.4	21.7	11.4	10.5	12.4
17	12.8	8.1	9.9	25.2	35.7	52.4	24.8	45.2	26.3	40.9	35.0	42.7	48.2	40.3	53.6	51.7	40.1	40.0	27.7	13.3	16.9	19.5	38.8	37.0
18	8.1	7.7	8.3	7.7	10.6	12.9	10.4	33.8	54.0	63.9	76.0	61.3	36.5	41.9	30.0	27.4	20.9	18.4	10.4	16.0	13.2	7.7	13.8	12.2
19	12.8	9.2	17.2	32.2	22.4	23.5	50.8	25.3	24.4	47.9	54.9	61.7	55.6	49.9	32.4	[PA]	[PA]	[PA]	23.6	6.6	7.6	12.9	20.0	13.3
20	38.3	8.1	8.4	8.7	8.9	10.8	31.8	35.0	45.7	40.4	66.3	67.2	38.0	46.8	39.3	39.9	16.7	14.7	8.8	8.3	12.5	7.9	7.7	9.6
21	9.4	6.0	5.9	7.0	6.4	17.0	7.7	9.5	9.2	14.6	35.7	42.8	44.7	49.9	51.8	41.9	25.6	18.4	12.6	20.0	19.0	18.4	11.6	8.8
22	8.5	9.9	9.5	8.1	9.6	12.0	8.2	20.7	19.7	18.1	38.3	35.9	62.3	45.0	67.1	34.4	29.4	23.0	16.1	9.8	20.4	12.9	6.4	10.3
23	8.4	10.7	9.1	7.8	8.8	9.1	13.7	27.6	29.7	25.1	36.8	53.5	36.3	42.9	30.1	32.9	15.7	24.9	12.7	12.0	12.2	4.6	2.8	12.0
24	13.1	13.3	23.0	44.4	8.0	19.0	7.6	17.7	23.5	26.9	28.1	28.6	23.1	27.6	32.1	35.7	22.9	16.4	11.5	13.2	10.4	4.1	4.2	13.4
25	22.3	12.0	8.3	8.4	9.4	10.4	10.3	27.7	22.2	29.0	46.8	52.8	35.2	43.6	63.8	34.9	20.8	20.3	11.9	9.0	56.2	13.4	37.2	8.6
26	8.5	8.9	7.7	7.2	8.2	8.9	13.3	35.2	36.4	55.6	66.0	27.0	24.0	40.3	27.9	30.7	26.2	12.8	12.9	8.4	8.9	11.4	17.1	7.0
27	8.0	7.7	14.9	7.5	8.5	7.9	8.9	9.3	10.1	22.1	32.3	80.1	54.7	43.6	49.2	43.5	25.9	9.4	8.1	10.4	9.2	8.6	6.6	7.4
28	18.7	30.4	8.3	7.5	8.6	7.9	7.5	22.5	41.4	48.1	44.6	58.8	60.5	43.9	43.0	23.9	8.7	14.7	12.5	9.7	7.7	15.9	14.1	14.8
29	10.3	8.8	10.3	7.8	8.5	9.6	9.4	9.1	41.2	36.8	73.7	56.9	61.8	52.0	61.6	37.6	12.5	9.2	7.7	7.5	7.2	7.8	7.6	13.3
30	16.3	7.3	7.8	51.9	7.6	7.7	8.1	12.2	21.0	31.0	31.9	41.5	55.8	32.3	31.9	40.2	16.1	11.1	8.5	8.4	8.5	8.0	16.7	12.7
AVG.	12.9	12.0	12.7	13.0	10.7	12.0	13.4	21.4	29.2	37.6	45.0	46.3	37.1	36.6	35.7	31.4	23.1	18.5	12.8	11.5	13.2	11.4	14.5	14.6

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Palmdale

LATITUDE : 34 degrees 33 minutes 26 seconds

MONTH : June

ELEVATION : 2760 feet

LONGITUDE : 118 degrees 06 minutes 46 seconds

YEAR : 1995

PARAMETER : Standard Deviation of Wind Direction (Sigma Theta)

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	21.8	23.6	19.0	12.1	9.5	34.1	56.1	12.4	11.9	6.0	5.9	5.7	11.0	7.6	7.8	7.6	10.0	9.1	14.3	10.9	10.6	11.6	11.6	11.4
2	9.1	10.4	11.2	11.7	8.6	7.8	8.8	15.0	12.1	7.8	7.6	11.6	11.4	10.0	11.9	14.8	14.3	13.3	14.2	12.6	11.9	13.9	15.9	9.7
3	10.2	7.5	8.1	7.1	7.0	11.9	8.4	36.0	51.9	55.2	47.1	64.7	10.6	9.9	6.8	11.9	14.1	16.3	13.8	12.3	15.3	9.9	12.2	8.6
4	11.9	26.6	16.1	10.2	6.5	7.2	13.2	27.8	31.0	46.4	41.6	52.0	13.7	11.3	9.4	9.4	9.4	14.2	21.6	16.8	16.4	10.1	12.1	24.6
5	44.6	40.7	53.6	63.9	61.1	27.4	51.6	39.6	45.0	22.3	22.4	13.8	11.2	10.7	10.4	10.1	11.2	33.7	13.7	34.9	58.0	51.5	34.5	13.9
6	24.7	24.4	50.2	29.8	53.1	34.0	68.1	22.7	11.8	12.1	11.8	10.8	12.0	9.4	9.0	9.3	8.6	8.8	9.4	9.0	10.1	10.1	21.6	15.5
7	32.4	16.0	22.0	19.4	11.0	41.1	37.8	15.6	14.8	10.5	22.6	16.6	12.4	10.9	12.6	13.0	10.2	9.4	9.5	14.7	13.8	16.6	38.7	15.1
8	13.8	7.7	10.0	7.5	6.7	7.1	7.6	11.3	8.8	24.5	25.1	21.5	15.2	17.2	18.9	13.7	12.2	9.5	11.6	16.3	13.2	11.0	13.2	9.7
9	13.8	11.7	10.2	8.8	9.9	14.9	30.5	39.0	30.3	50.0	56.4	49.1	58.9	34.7	35.0	27.8	9.3	7.9	9.9	16.2	35.5	11.5	6.5	13.2
10	9.3	7.3	8.2	4.4	5.9	6.6	23.0	20.6	36.9	36.0	42.7	39.3	33.9	52.7	45.5	49.0	10.3	8.4	9.0	12.1	35.6	36.8	52.1	10.4
11	12.2	21.2	46.4	15.3	14.0	33.3	26.5	17.7	24.9	29.2	48.5	35.2	18.3	13.8	13.4	11.6	9.8	8.5	8.6	7.9	45.6	68.7	30.6	13.0
12	18.8	50.8	49.4	23.1	31.3	15.8	24.7	24.5	33.0	33.8	11.2	11.3	10.9	8.9	8.6	8.9	8.7	8.6	8.7	26.0	18.5	26.3	10.5	11.9
13	52.7	20.0	26.7	14.4	9.3	28.4	33.7	26.0	60.2	41.9	15.4	10.8	10.3	10.3	9.4	8.3	17.9	8.2	8.1	8.0	37.7	36.7	57.5	11.5
14	22.2	19.0	29.4	14.2	9.7	16.9	12.7	20.1	20.3	34.5	27.8	[PA]	[PA]	[PA]	13.5	8.9	9.9	15.2	35.3	21.5	20.5	12.9	24.4	37.7
15	7.9	8.0	7.5	6.7	7.3	6.6	6.7	7.8	10.0	13.4	14.7	11.6	14.1	13.6	15.9	12.7	11.4	8.2	9.2	14.0	13.9	15.2	12.8	11.7
16	9.9	15.2	16.4	25.7	29.8	27.5	55.7	9.0	10.7	12.3	11.3	11.8	48.2	42.9	29.1	9.9	9.8	12.5	13.0	12.0	11.1	14.7	14.3	7.1
17	6.9	14.9	15.0	16.6	28.1	16.1	29.2	38.8	48.7	55.8	53.9	25.3	20.3	18.0	15.3	12.0	10.8	8.7	12.7	12.8	15.6	18.0	32.7	17.8
18	10.1	33.7	30.2	32.8	18.1	13.3	20.8	29.6	68.0	58.8	48.3	37.8	14.9	11.1	11.8	10.8	9.5	10.1	15.1	18.2	32.1	51.7	10.8	22.5
19	60.6	15.1	14.0	18.5	11.6	35.9	34.0	33.1	53.9	15.8	14.2	11.3	10.2	11.7	12.8	13.4	12.4	12.7	10.9	8.9	10.9	19.0	45.1	22.0
20	30.1	40.7	54.0	34.0	57.2	51.5	60.0	35.4	35.8	54.8	35.8	22.5	15.9	14.4	15.0	12.2	12.2	10.1	13.5	11.0	11.2	60.2	34.9	8.7
21	13.6	33.4	9.9	14.6	23.5	19.6	18.3	22.6	18.8	19.4	31.0	38.7	54.1	44.7	42.8	34.8	15.5	9.4	18.1	25.5	11.7	22.5	34.2	24.2
22	15.9	19.2	22.8	12.4	7.8	8.1	21.0	27.0	40.2	53.4	38.2	48.8	33.8	41.8	54.8	18.1	9.8	9.2	9.7	14.0	50.0	33.2	24.0	21.4
23	9.3	6.0	6.0	2.6	3.4	5.4	19.5	22.9	38.7	39.5	27.7	38.8	38.7	50.2	57.0	30.8	36.0	9.9	8.4	12.6	29.4	20.8	21.8	14.0
24	10.1	9.9	19.1	8.3	5.0	6.4	17.0	14.4	29.0	29.7	31.0	55.4	39.8	41.3	42.0	32.1	9.9	8.6	8.4	27.5	9.0	6.7	9.7	13.0
25	11.7	10.9	13.6	9.3	9.2	16.1	25.3	41.8	32.6	55.0	38.6	37.6	55.3	60.0	24.6	10.0	8.6	8.3	11.6	24.9	7.8	6.6	9.8	15.6
26	14.6	10.4	10.9	10.2	5.7	7.9	8.3	40.4	41.8	44.9	52.0	52.2	14.0	9.7	7.9	6.7	10.5	12.7	23.0	7.1	6.3	56.5	51.2	9.4
27	10.3	10.3	11.1	14.5	16.9	13.6	27.2	30.3	19.4	14.4	14.4	17.2	11.4	9.4	8.2	7.6	8.5	7.8	7.2	6.3	24.7	33.1	14.9	11.1
28	6.3	6.8	7.1	46.4	23.3	40.6	63.3	40.8	10.8	11.0	13.5	10.0	11.3	8.4	11.4	12.2	9.5	8.5	7.3	25.0	9.6	50.6	58.8	9.4
29	52.5	25.5	24.7	65.7	70.7	45.5	8.1	7.3	12.7	10.8	13.6	13.7	10.7	9.8	9.1	8.9	9.0	10.6	9.3	8.4	7.8	9.1	8.6	15.6
30	45.3	47.6	39.2	64.2	68.2	30.6	53.0	10.1	10.6	13.3	11.8	14.4	11.9	16.0	14.4	13.5	10.6	8.5	7.4	7.2	7.2	8.8	7.7	7.7
AVG.	20.4	19.8	22.1	20.8	21.0	21.0	29.0	24.7	29.2	30.4	27.9	27.2	21.9	21.0	19.5	15.0	11.7	10.9	12.4	15.2	20.0	25.1	24.4	14.6

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Quartzite Mountain

LATITUDE : 34 degrees 36 minutes 38 seconds

MONTH : June

ELEVATION : 4482 feet

LONGITUDE : 117 degrees 17 minutes 20 seconds

YEAR : 1995

PARAMETER : Standard Deviation of Wind Direction (Sigma Theta)

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	5.8	6.4	7.2	6.6	8.2	10.1	11.9	9.5	10.7	9.7	6.7	7.8	9.2	6.7	6.6	6.9	8.2	5.0	7.2	9.1	11.4	16.2	11.6	13.8
2	14.3	14.4	18.6	19.3	16.6	15.5	17.5	19.5	15.1	17.1	16.6	22.8	28.7	34.4	22.0	25.6	19.3	19.1	11.7	13.3	15.6	15.3	17.0	11.7
3	9.0	14.7	15.9	18.7	24.7	24.3	14.3	27.0	35.8	35.2	18.5	37.9	26.1	33.4	30.1	55.9	34.6	29.2	31.7	21.7	18.8	22.0	18.6	12.4
4	16.2	20.0	14.0	18.9	12.2	11.3	15.5	16.4	19.0	25.8	59.5	36.7	17.6	11.0	8.4	7.2	8.3	16.5	30.9	25.8	16.3	18.8	19.8	21.2
5	26.3	23.5	25.8	22.0	23.3	18.0	13.4	17.6	23.1	25.2	26.2	25.8	26.0	27.6	28.4	31.4	33.5	32.8	27.2	26.0	25.6	20.8	8.9	12.8
6	13.9	8.6	20.5	18.7	18.3	8.2	25.5	30.7	38.9	36.3	33.3	30.1	30.0	32.1	33.6	31.1	27.5	26.4	27.3	21.7	22.1	15.6	12.7	14.3
7	6.8	8.3	5.9	12.9	24.3	24.6	29.1	33.7	29.5	30.7	32.3	30.7	34.7	15.2	9.0	11.7	9.6	9.3	10.6	13.9	11.6	23.6	17.0	7.5
8	7.8	8.6	7.3	5.5	11.5	18.5	17.2	22.0	34.6	35.6	37.2	36.7	42.4	35.1	33.8	33.2	33.3	29.6	26.9	28.9	18.6	11.8	13.5	15.5
9	16.4	14.7	15.2	16.9	23.1	23.7	27.2	31.3	35.9	39.3	22.1	26.2	30.0	47.1	33.0	40.0	40.6	38.5	17.1	18.7	28.0	16.0	7.8	10.6
10	22.7	15.5	10.3	11.7	5.5	6.7	17.8	22.5	58.6	86.5	85.1	22.7	26.6	40.8	40.2	35.2	20.8	27.1	9.5	32.1	22.3	14.2	21.4	20.8
11	15.4	19.8	21.8	15.5	15.2	7.0	14.3	21.6	52.6	54.2	35.7	21.7	19.1	11.1	16.1	9.7	7.7	5.6	7.6	16.5	14.5	14.5	11.7	13.1
12	8.2	4.6	10.1	7.4	7.7	8.1	34.7	44.5	23.2	15.7	11.5	8.4	6.6	6.7	6.2	7.4	7.0	6.2	6.5	10.9	7.0	12.0	11.5	8.5
13	6.7	11.3	13.0	8.6	6.4	7.6	6.6	8.1	12.2	15.8	18.6	8.2	6.5	6.2	5.8	5.9	6.5	4.8	6.4	8.9	9.1	7.0	16.9	18.6
14	5.1	5.7	21.4	23.1	18.6	18.3	6.6	8.1	9.4	11.2	9.6	6.1	5.5	5.3	5.1	5.6	7.3	10.2	9.6	7.8	12.0	8.5	9.7	12.0
15	6.9	5.9	7.6	7.1	8.7	7.0	8.0	8.4	15.4	[PA]	[PA]	7.3	6.2	7.1	7.5	6.0	7.7	7.6	9.9	10.2	20.3	10.8	11.9	8.7
16	23.6	26.8	14.1	10.6	10.1	9.8	10.0	8.9	10.0	8.7	10.5	10.0	8.7	7.0	7.0	5.0	4.5	4.8	4.4	5.5	8.4	8.2	11.1	27.0
17	29.9	27.1	26.2	24.8	25.3	26.3	24.0	16.0	40.0	42.2	41.7	58.5	48.3	49.9	57.4	35.5	35.6	24.2	34.1	28.0	26.7	25.2	21.5	10.3
18	10.6	16.5	21.4	19.7	19.2	18.1	19.6	13.6	14.9	21.2	21.5	46.7	32.5	11.9	10.8	7.2	7.7	8.8	28.1	34.8	28.4	21.6	18.3	20.9
19	22.8	26.1	16.3	10.8	15.1	25.2	24.9	24.5	22.9	19.9	17.1	18.8	20.3	20.1	17.6	12.7	11.0	20.4	29.3	19.9	20.3	18.1	23.5	23.8
20	23.1	22.7	20.3	23.0	24.5	23.7	20.1	14.7	20.6	27.5	29.5	31.8	33.9	31.7	23.6	33.1	33.8	33.8	31.8	27.0	25.4	24.6	23.4	21.6
21	18.8	12.1	6.0	5.5	10.7	7.7	7.8	20.0	21.2	44.1	56.7	76.0	37.5	60.0	40.0	42.7	44.1	30.2	12.8	12.8	11.4	8.4	14.9	21.7
22	23.3	19.9	11.7	19.7	11.2	9.7	12.4	27.5	61.1	57.7	41.8	45.8	58.7	54.6	30.7	47.8	47.8	13.3	45.2	23.1	20.7	9.0	8.2	7.9
23	8.2	21.4	23.4	16.6	12.0	9.7	15.1	15.4	13.5	20.8	36.6	44.1	38.4	44.0	26.8	28.9	33.4	13.1	14.4	11.5	28.6	12.9	11.9	16.4
24	15.8	7.9	8.8	8.7	17.5	17.5	13.2	21.2	56.7	49.1	50.3	59.4	47.8	42.6	33.1	45.7	42.7	16.6	9.5	11.8	20.1	7.9	19.4	27.6
25	27.0	25.6	24.8	24.6	24.1	13.1	10.9	28.3	27.4	60.9	75.0	71.0	37.9	55.0	35.1	58.7	48.4	27.4	19.9	24.4	24.0	24.9	26.2	24.8
26	27.3	20.5	24.3	21.9	9.1	8.6	9.8	16.6	18.0	36.6	22.8	23.1	18.4	11.6	10.4	10.6	12.3	19.0	21.2	27.7	9.4	6.5	7.6	7.7
27	7.3	8.7	9.4	11.0	4.9	3.9	9.4	14.0	15.8	14.4	13.8	16.2	11.1	6.6	5.6	10.4	6.2	5.2	8.9	7.3	6.9	6.1	6.1	7.9
28	9.0	7.8	8.1	7.2	8.2	10.9	11.1	14.9	14.6	17.6	10.8	10.1	8.7	6.4	6.1	8.1	7.0	6.6	6.6	9.0	11.7	9.5	9.6	7.0
29	6.1	7.9	9.3	9.4	7.5	8.8	9.5	7.0	11.5	15.3	28.1	44.7	46.6	35.0	32.7	26.7	13.2	15.3	14.4	12.2	11.3	11.4	8.2	12.3
30	10.9	15.7	18.2	14.6	7.0	9.9	17.6	21.9	24.7	30.6	23.0	28.5	30.6	24.6	12.1	8.3	8.2	6.1	7.2	7.0	7.7	9.1	9.4	8.8
AVG.	14.8	15.0	15.2	14.7	14.4	13.7	15.8	19.5	26.2	31.2	30.8	30.5	26.5	26.0	21.2	23.1	20.9	17.1	17.6	17.6	17.1	14.4	14.3	14.9

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Shadow Mountain

LATITUDE : 34 degrees 44 minutes 15 seconds

MONTH : June

ELEVATION : 4120 feet

LONGITUDE : 117 degrees 33 minutes 54 seconds

YEAR : 1995

PARAMETER : Standard Deviation of Wind Direction (Sigma Theta)

	HOUR (PST)																							
DATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	9.0	4.3	5.6	4.1	3.6	6.9	9.1	17.3	32.6	41.5	35.8	17.3	23.6	32.1	13.5	9.1	7.1	8.0	6.7	7.1	4.6	3.6	4.6	5.7
2	5.5	3.7	8.4	5.0	4.7	4.9	6.5	7.3	8.3	9.0	11.1	10.0	14.4	13.9	12.1	11.4	9.9	7.5	14.3	15.5	15.2	6.1	7.3	4.1
3	4.8	6.0	6.9	18.3	3.4	3.5	4.7	8.1	14.2	24.1	45.2	62.1	48.6	38.6	36.0	26.0	10.8	8.1	7.1	5.3	4.9	5.3	4.6	3.9
4	3.4	3.1	3.5	2.9	23.8	3.7	4.8	7.4	16.6	21.1	34.0	36.2	37.1	28.5	31.8	14.9	9.3	6.7	7.2	7.2	6.3	5.7	6.7	6.1
5	15.9	5.3	9.3	15.4	6.5	5.2	6.2	5.8	6.4	8.1	8.1	7.2	8.6	7.9	7.3	7.8	11.6	8.4	8.3	5.5	6.1	8.2	6.7	6.8
6	6.1	8.3	3.5	4.7	6.6	6.1	9.1	7.9	9.7	9.5	11.4	10.4	9.0	9.9	8.6	8.8	7.6	6.3	8.3	7.5	10.9	7.9	13.3	7.9
7	28.8	16.1	11.5	5.1	4.3	6.6	6.9	9.5	9.2	10.0	12.1	11.0	12.4	11.5	10.0	9.0	7.2	6.5	5.1	5.5	7.0	6.8	5.7	6.8
8	6.1	3.1	3.0	3.4	3.5	3.8	6.5	7.9	9.6	10.9	11.7	14.5	15.1	14.2	14.5	12.4	20.9	10.5	7.1	6.9	5.8	4.3	3.8	3.6
9	3.0	2.8	2.3	2.9	2.8	3.2	5.8	9.4	20.7	47.5	50.5	45.6	61.9	49.5	28.5	43.1	25.8	25.1	16.9	11.9	6.1	5.7	4.9	3.3
10	2.8	3.0	2.3	2.5	3.0	5.3	34.5	31.6	49.3	53.9	53.7	36.6	57.8	40.2	66.7	49.3	44.8	35.5	22.2	11.4	5.4	5.7	4.0	3.7
11	3.6	3.2	2.1	3.6	3.6	3.5	4.5	11.9	21.2	42.7	55.3	47.9	25.2	35.8	41.8	43.1	11.3	8.2	4.9	5.5	5.1	5.0	3.2	2.9
12	4.2	3.8	3.8	3.4	3.4	1.9	2.9	6.9	21.6	28.1	24.7	27.3	40.2	39.4	15.9	10.8	8.7	6.6	5.7	5.7	5.0	4.7	5.2	4.0
13	4.1	4.4	8.9	12.3	4.4	4.1	5.4	7.4	11.4	10.5	13.7	20.0	15.6	12.0	10.7	8.6	7.9	6.7	6.8	6.9	5.1	5.1	5.2	10.5
14	28.3	46.8	54.3	4.9	5.6	4.9	6.8	6.8	10.5	13.8	21.5	32.4	9.9	8.4	8.4	7.3	6.3	6.6	7.6	6.5	6.5	7.7	7.7	5.4
15	7.4	25.2	7.2	6.1	5.1	5.5	5.8	7.5	8.5	8.7	9.3	8.6	8.8	16.9	[PA]	[PA]	[PA]	27.7	12.0	6.0	6.1	5.6	4.2	6.8
16	5.4	5.8	5.2	6.2	7.4	6.2	8.5	10.6	15.5	9.0	7.3	6.7	9.0	10.1	17.7	13.0	15.0	15.6	25.2	0.5	15.5	5.0	6.3	5.6
17	4.9	4.1	4.2	4.5	4.8	4.5	6.8	10.7	16.4	20.1	21.8	31.3	26.3	21.2	31.5	21.8	20.4	7.9	6.1	5.7	6.5	5.2	3.9	3.0
18	2.9	3.4	2.5	2.4	4.1	5.0	4.6	9.0	29.3	48.1	47.5	27.3	15.8	21.1	16.5	13.6	9.9	9.0	7.2	6.5	6.1	5.6	4.6	4.4
19	4.5	5.4	5.9	5.5	5.4	4.2	5.6	5.4	7.3	9.1	9.2	11.8	13.9	13.0	10.6	9.8	8.2	6.9	7.8	6.5	6.4	5.5	4.7	5.6
20	5.3	4.9	6.7	5.1	4.5	5.4	4.2	6.2	8.6	9.9	9.3	11.9	11.3	11.8	10.8	8.9	7.2	6.3	5.6	5.1	5.0	5.1	4.5	4.5
21	3.8	5.5	4.6	10.2	10.7	14.9	28.7	19.8	24.8	31.5	36.3	39.0	41.3	57.1	52.8	33.1	30.0	17.7	8.5	6.7	4.4	4.9	5.6	4.8
22	6.3	2.8	2.9	2.6	5.8	10.6	14.5	67.5	51.3	36.5	28.7	35.3	51.8	51.6	55.5	49.6	28.7	39.1	20.3	6.7	5.6	4.5	3.4	3.3
23	3.7	2.0	2.4	2.9	2.8	3.9	23.0	39.2	32.8	39.8	23.0	46.5	33.0	38.4	54.2	41.0	46.7	51.1	44.5	34.5	5.4	5.4	4.4	3.9
24	3.3	3.2	2.7	3.3	4.2	4.0	9.5	32.8	32.9	20.4	26.9	62.0	47.1	47.3	40.5	36.5	28.3	46.7	20.6	15.7	5.5	4.8	4.5	4.0
25	3.8	4.1	4.1	3.0	3.2	3.3	4.6	10.2	42.9	49.3	44.9	49.7	49.1	44.7	48.3	67.8	44.0	13.3	6.2	5.3	5.3	5.2	4.7	4.6
26	4.5	3.9	3.4	4.4	3.1	3.2	3.8	9.6	24.2	42.4	40.2	33.7	29.4	23.8	12.5	8.7	11.7	14.8	15.1	4.3	4.1	4.2	6.0	4.3
27	5.1	5.3	4.3	4.4	4.3	4.4	5.7	7.6	17.0	38.1	38.5	47.1	44.6	32.1	18.0	16.3	10.0	7.1	6.9	5.4	6.1	5.7	3.1	3.1
28	2.7	3.6	3.4	3.3	3.5	3.7	6.1	7.2	9.4	11.4	15.4	25.0	26.2	19.5	13.2	10.6	9.3	8.5	7.6	4.7	3.8	4.2	3.5	5.0
29	8.1	6.9	8.1	6.2	4.1	3.8	7.2	16.6	13.8	14.2	27.8	32.8	44.8	40.9	22.7	23.2	12.1	8.9	7.6	5.7	5.6	4.3	3.4	4.1
30	4.5	4.4	3.9	4.6	4.6	5.0	6.3	8.2	8.9	11.6	14.7	16.3	11.0	12.0	11.1	11.3	8.3	10.0	7.9	3.9	4.1	4.3	3.8	2.9
AVG.	6.7	6.8	6.6	5.4	5.2	5.0	8.6	13.8	19.5	24.4	26.3	28.8	28.1	26.8	24.9	21.6	16.5	14.7	11.2	7.7	6.3	5.4	5.1	4.8

APPENDIX A

Zero Precision Span Check Reports

Ozone Analyzer Zero / Precision / Span Check Report

Project Name CARB O_3 TRANS. Station ID BAC Location BALDY MESA

Analyzer Make/Model DASIBI 1003-AH Serial No 3150 Range 0-500 ppb

GENERAL	Date 1995	6/7	6/24	6/24			
	Date of Last Calibration	6/7	6/7	6/7			
	Station Operator	DLJ	RCH	RCH			
	Check is U or A (1)	U	U	A			
	Sample Flow Rate (2 LPM)	2	2	2			
	Analyzer Span Number	60,550	60.550	60.550			
	Sample Frequency (40.0 - 48.0)	42.819	39.063	47.778			
	Control Frequency (21.0 - 28.0)	24.497	22.309	25.104			
ZERO	Known Input Concentration, ppb	0.0	0.0	0.0	0.0	0.0	0.0
	DVM Volts						
	Observed DAS Response, ppb	-1	1	1			
	Pass? (2) (Yes / No)	Y	Y	Y			
PRECESION	Known Input Concentration, ppb	88	90	91			
	DVM Volts						
	Observed DAS Response, ppb	91	91	92			
	DAS Error Δ% (3)	3.4	1.9	1.4			
	Pass? (4) (Yes / No)	Y	Y	Y			
SPAN	Known Input Concentration, ppb	466	412	410			
	DVM Volts						
	Observed DAS Response, ppb	464	406	413			
	DAS Error Δ% (3)	-0.4	-1.5	0.7			
	Pass? (4) (Yes / No)	Y	Y	Y			

(1) Unadjusted = "As Found"; Adjusted = "As Left"
(2) DAS Response, ppb = ±2% of full scale
(3) Δ% = (Observed Response - Known Input) ÷ Known Input x 100
(4) DAS Response, ppb = ±10% of Input Concentration

Precision Level Concentration = 80 - 100 ppb
Span Level Concentration = 350 - 450 ppb

OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB O3 TRANSPORT Station ID BOR Location BORON

Analyzer Make/Model DASIBI 1003-AH Serial No 1805 Range 500 ppb

GENERAL	Date 1995	6/7	6/15	6/27			
	Date of Last Calibration		6/7	6/7			
	Station Operator		RCH	RCH			
	Check is U or A (1)		U	U			
	Sample Flow Rate (2 LPM)		2	2			
	Analyzer Span Number		57,550	57,550			
	Sample Frequency (40.0 - 48.0)		41.645	42.532			
	Control Frequency (21.0 - 28.0)		27.225	27.842			
ZERO	Known Input Concentration, ppb	0.0	0.0	0.0	0.0	0.0	0.0
	DVM Volts						
	Observed DAS Response, ppb		-1	0			
	Pass? (2) (Yes / No)		Y	Y			
PRECESION	Known Input Concentration, ppb			96			
	DVM Volts						
	Observed DAS Response, ppb			96			
	DAS Error Δ% (3)			0			
	Pass? (4) (Yes / No)			Y			
SPAN	Known Input Concentration, ppb		419	429			
	DVM Volts						
	Observed DAS Response, ppb		423	436			
	DAS Error Δ% (3)		-1.0	1.6			
	Pass? (4) (Yes / No)		Y	Y			

(1) Unadjusted = "As Found"; Adjusted = "As Left"
(2) DAS Response, ppb = ±2% of full scale
(3) Δ% = (Observed Response - Known Input) ÷ Known Input x 100
(4) DAS Response, ppb = ±10% of Input Concentration

Precision Level Concentration = 80 - 100 ppb
Span Level Concentration = 350 - 450 ppb

OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB O3 STUDY Station ID CAT Location AIRPORT

Analyzer Make/Model D100 3AH Serial No 0761/2509 Range _____ ppb

GENERAL	Date 1995	2/24					
	Date of Last Calibration	N/A					
	Station Operator	G. MAZIA					
	Check is U or A (1)	U					
	Sample Flow Rate (2 LPM)	2.0					
	Analyzer Span Number	55.50					
	Sample Frequency (40.0 - 48.0)	42.96					
	Control Frequency (21.0 - 28.0)	23.34					
ZERO	Known Input Concentration, ppb	0.0	0.0	0.0	0.0	0.0	0.0
	DVM Volts						
	Observed DAS Response, ppb	43					
	Pass? (2) (Yes / No)	N					
PRECESION	Known Input Concentration, ppb	57					
	DVM Volts						
	Observed DAS Response, ppb	78					
	DAS Error Δ% (3)	71.9					
	Pass? (4) (Yes / No)	N					
SPAN	Known Input Concentration, ppb	408					
	DVM Volts						
	Observed DAS Response, ppb	418					
	DAS Error Δ% (3)	2.5					
	Pass? (4) (Yes / No)	Y					

(1) Unadjusted = "As Found"; Adjusted = "As Left"
(2) DAS Response, ppb = ±2% of full scale
(3) Δ% = (Observed Response - Known Input) ÷ Known Input x 100
(4) DAS Response, ppb = ±10% of Input Concentration

Precision Level Concentration = 80 - 100 ppb
Span Level Concentration = 350 - 450 ppb

6/27/4

OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name O3 TRANSECT STUDY Station ID LAT Location CATALINA AIRPORT

Analyzer Make/Model _____ Serial No _____ Range _____ ppb

GENERAL	Date 1995	6/27	6/27				
	Date of Last Calibration	AS FOUND	FINAL				
	Station Operator	GAO	GAO				
	Check is U or A (1)	U	A				
	Sample Flow Rate (2 LPM)	2.0	2.0				
	Analyzer Span Number	55.55	55.55				
	Sample Frequency (40.0 - 48.0)	41.764	41.764				
	Control Frequency (21.0 - 28.0)	23.025	23.025				
ZERO	Known Input Concentration, ppb	0.0	0.0	0.0	0.0	0.0	0.0
	DVM Volts						
	Observed DAS Response, ppb	4	7				
	Pass? (2) (Yes / No)						
PRECESION	Known Input Concentration, ppb	~~100~~ 110	93				
	DVM Volts						
	Observed DAS Response, ppb	137	98				
	DAS Error Δ% (3)	5.6	5.4				
	Pass? (4) (Yes / No)						
SPAN	Known Input Concentration, ppb	404	404				
	DVM Volts						
	Observed DAS Response, ppb	445	400				
	DAS Error Δ% (3)	1.7	-1.2				
	Pass? (4) (Yes / No)						

(1) Unadjusted = "As Found"; Adjusted = "As Left"
(2) DAS Response, ppb = ±2% of full scale
(3) Δ% = (Observed Response - Known Input) ÷ Known Input x 100
(4) DAS Response, ppb = ±10% of Input Concentration

Precision Level Concentration = 80 - 100 ppb
Span Level Concentration = 350 - 450 ppb

OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB O_3 TRANSPORT Station ID FLA Location FLASH II MTN.

Analyzer Make/Model DASIBI 1003-AH Serial No 3070 Range 500 ppb

GENERAL	Date 1995	6-10-95	6-18-95	6-18-95	6-18-95	6-20-95 Audit Day	6-27-95
	Date of Last Calibration	6-10	6-10	6-10	6-10	6-10	6-10
	Station Operator	D.V.	RH.	RH	RH	RH	RCG
	Check is U or A (1)	A	U	U	A	A	A
	Sample Flow Rate (2 LPM)	2	2	2	2	2	2
	Analyzer Span Number	59.450	45.239	59.450	59.450	N/A	59.450
	Sample Frequency (40.0 - 48.0)	43.219	24.611	45.239	45.476	N/A	43.164
	Control Frequency (21.0 - 28.0)	23.427		24.611	24.658	N/A	23.591
ZERO	Known Input Concentration, ppb	0.0	0.0	0.0	0.0	0.0	0.0
	DVM Volts		RCW				
	Observed DAS Response, ppb	1	-16	-16	2		18, 13, -20 *
	Pass? (2) (Yes / No)	Y	N	N	Y	-	N
PRECESION	Known Input Concentration, ppb	96	93	93	92		90
	DVM Volts						
	Observed DAS Response, ppb	100	78	78	91		103 *
	DAS Error Δ% (3)	4.2		-16.1	-1.1		14
	Pass? (4) (Yes / No)	Y		N	Y		N
SPAN	Known Input Concentration, ppb	446	409	409	426	RCG	435
	DVM Volts						
	Observed DAS Response, ppb	445	394	394	423		436
	DAS Error Δ% (3)	-0.2	-3.7	-3.7	-0.7		0.2
	Pass? (4) (Yes / No)	Y	Y	Y	Y		Y

(1) Unadjusted = "As Found"; Adjusted = "As Left"
(2) DAS Response, ppb = ±2% of full scale
(3) Δ% = (Observed Response - Known Input) ÷ Known Input x 100
(4) DAS Response, ppb = ±10% of Input Concentration

Precision Level Concentration = 80 - 100 ppb
Span Level Concentration = 350 - 450 ppb

while doing zero + Station op ✓ list

* ON 6/27/95 During entire site visit the FM Transmitter 94.3 FM was OFF THE AIR. Although its RF interference was absent there we other interference. Three "10 reading" averages for zero gave 15 (14:41-14:45 PST), 13 (15:30-15:36 PST), and -19.8 15:49 to 15: Transmitter came back on at 16:55 PST - just before leaving sit

OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB O_3 TRANSP. Station ID LUD Location LUDLOW

Analyzer Make/Model DASIBI 1003 AH SCAQMD Serial No 1039 Range 500 ppb

GENERAL	Date 1995	6/10	6/15	6/27	6/27		
	Date of Last Calibration	6/10	6/10	6/10	6/10		
	Station Operator	DLJ	RCH	RCH	RCH		
	Check is U or A (1)	U	U	U	A		
	Sample Flow Rate (2 LPM)		2	1.7	2		
	Analyzer Span Number	55,550	55,550	55,550	55,550		
	Sample Frequency (40.0 - 48.0)	44,590	40,124	39,598	40,576		
	Control Frequency (21.0 - 28.0)	27,373	27,506	27,564	27,938		
ZERO	Known Input Concentration, ppb	0.0	0.0	0.0	0.0	0.0	0.0
	DVM Volts						
	Observed DAS Response, ppb	0	-1	4	4		
	Pass? (2) (Yes / No)	Y	Y	Y	Y		
PRECESION	Known Input Concentration, ppb	92	N/A	102	100		
	DVM Volts						
	Observed DAS Response, ppb	91		103	101		
	DAS Error Δ% (3)	-1.1		1.0	1.0		
	Pass? (4) (Yes / No)	Y	N/A	Y	Y		
SPAN	Known Input Concentration, ppb	460	435	411	422		
	DVM Volts						
	Observed DAS Response, ppb	459	432	411	429		
	DAS Error Δ% (3)	-0.2	-0.7	0	1.6		
	Pass? (4) (Yes / No)	Y	Y	Y	Y		

(1) Unadjusted = "As Found"; Adjusted = "As Left"
(2) DAS Response, ppb = ±2% of full scale
(3) Δ% = (Observed Response - Known Input) ÷ Known Input x 100
(4) DAS Response, ppb = ±10% of Input Concentration

Precision Level Concentration = 80 - 100 ppb
Span Level Concentration = 350 - 450 ppb

OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB O_3 TRANS. Station ID PAL Location SE PALMDALE CA

Analyzer Make/Model DASIBI 1003 AH Serial No 1813 SCAQMD Range _____ ppb

GENERAL	Date 1995	6/25					
	Date of Last Calibration	6/13					
	Station Operator	RCH					
	Check is U or A (1)	U					
	Sample Flow Rate (2 LPM)	2					
	Analyzer Span Number	57.850					
	Sample Frequency (40.0 - 48.0)	43.400					
	Control Frequency (21.0 - 28.0)	23.368					
ZERO	Known Input Concentration, ppb	0.0	0.0	0.0	0.0	0.0	0.0
	DVM Volts						
	Observed DAS Response, ppb	3					
	Pass? (2) (Yes / No)	Y					
PRECESION	Known Input Concentration, ppb	87					
	DVM Volts						
	Observed DAS Response, ppb	94					
	DAS Error Δ% (3)	8.0					
	Pass? (4) (Yes / No)	Y					
SPAN	Known Input Concentration, ppb	401					
	DVM Volts						
	Observed DAS Response, ppb	411					
	DAS Error Δ% (3)	2.5					
	Pass? (4) (Yes / No)	Y					

(1) Unadjusted = "As Found"; Adjusted = "As Left"
(2) DAS Response, ppb = ±2% of full scale
(3) Δ% = (Observed Response - Known Input) ÷ Known Input x 100
(4) DAS Response, ppb = ±10% of Input Concentration

Precision Level Concentration = 80 - 100 ppb
Span Level Concentration = 350 - 450 ppb

6/25 - "O" RING WAS MISSING ON ARRIVAL - REPLACED ("O" RING AT INLET)

OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB O3 Trans. Station ID QUA Location Quartzite Mt

Analyzer Make/Model Dasibi / 1003 AH Serial No 2522 Range 0-500 ppb

GENERAL	Date 1995	6/14	6/28	6/28			
	Date of Last Calibration	6/11	6/11	6/11			
	Station Operator	RCH	RCH	RCH			
	Check is U or A (1)	U	U	A			
	Sample Flow Rate (2 LPM)	2	1.5	2.4			
	Analyzer Span Number	61.550	~~39.619~~ 61.550	61.550			
	Sample Frequency (40.0 - 48.0)	40.991	~~24.807~~ 39.619	40.857			
	Control Frequency (21.0 - 28.0)	25.497	24.807	27.659			
ZERO	Known Input Concentration, ppb	0.0	0.0	0.0	0.0	0.0	0.0
	DVM Volts	—	—	—			
	Observed DAS Response, ppb	3	2	-1			
	Pass? (2) (Yes / No)	Y	Y	Y			
PRECESION	Known Input Concentration, ppb	86	86	86			
	DVM Volts	—	—				
	Observed DAS Response, ppb	87	30	82			
	DAS Error Δ% (3)	1.2	-65	-5.0			
	Pass? (4) (Yes / No)	Y	N	Y			
SPAN	Known Input Concentration, ppb	441	445	432			
	DVM Volts	—	—	—			
	Observed DAS Response, ppb	440	144	425			
	DAS Error Δ% (3)	0.2	-68	-1.6			
	Pass? (4) (Yes / No)	Y	N	Y			

(1) Unadjusted = "As Found"; Adjusted = "As Left"
(2) DAS Response, ppb = ±2% of full scale
(3) Δ% = (Observed Response - Known Input) ÷ Known Input x 100
(4) DAS Response, ppb = ±10% of Input Concentration

Precision Level Concentration = 80 - 100 ppb
Span Level Concentration = 350 - 450 ppb

OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB O3 Transport Station ID SHA Location Shadow Mt.

Analyzer Make/Model Desibi/1003AH Serial No 1836 Range 0-500 ppb

GENERAL	Date 1995	6/14	6/28				
	Date of Last Calibration	6/11	6/11				
	Station Operator	RCH	RCH				
	Check is U or A (1)	U	U				
	Sample Flow Rate (2 LPM)	2	2				
	Analyzer Span Number	60.550	60.550				
	Sample Frequency (40.0 - 48.0)	44.318	43.080				
	Control Frequency (21.0 - 28.0)	24.428	23.682				
ZERO	Known Input Concentration, ppb	0.0	0.0	0.0	0.0	0.0	0.0
	DVM Volts	—	—				
	Observed DAS Response, ppb	2	3				
	Pass? (2) (Yes / No)	Y	Y				
PRECESION	Known Input Concentration, ppb	92	91				
	DVM Volts	—	—				
	Observed DAS Response, ppb	93	90				
	DAS Error Δ% (3)	1.1	-1.1				
	Pass? (4) (Yes / No)	Y	Y				
SPAN	Known Input Concentration, ppb	430	422				
	DVM Volts	—	—				
	Observed DAS Response, ppb	440	408				
	DAS Error Δ% (3)	2.3	-3.4				
	Pass? (4) (Yes / No)	Y	Y				

(1) Unadjusted = "As Found"; Adjusted = "As Left"
(2) DAS Response, ppb = ±2% of full scale
(3) Δ% = (Observed Response - Known Input) ÷ Known Input x 100
(4) DAS Response, ppb = ±10% of Input Concentration

Precision Level Concentration = 80 - 100 ppb
Span Level Concentration = 350 - 450 ppb

APPENDIX B

Multipoint Calibration Reports

1 HORIZONTAL WIND SPEED CALIBRATION REPORT

Station: BALDY MESA Date: 6/3/95 Tech: D.JOHNSON
R.HILLESTAD

**** WIND SPEED SENSOR ****

Begin: 1130 PST Make: R.M.YOUNG Range: 0 to 44.7 mps
End: 1155 PST Model: 05305 Height: 10 m
SN#: 20409 Torque: 0.3 gm-cm

ANEMOMETER DRIVE MOTOR--> Make: R.M.YOUNG S/N: NA

Input rpm	Input Value mps	Input Value mph	DVM Volts	DAS Stn mps	DAS Error mps	DAS Error %	Chart Stn mph	Chart Error mph	Chart Error %
0	0.00	0.00	---	0.00	0.00	NA	---	---	---
700	3.43	7.67	---	3.43	0.00	0.0	---	---	---
2500	12.25	27.40	---	12.20	-0.05	-0.4	---	---	---
7000	34.30	76.73	---	34.20	-0.10	-0.3	---	---	---
		Mean Absolute Error:			0.04	0.2		NA	NA

LIMITS: >+/-0.2 mps error for speeds <5 mps; >+/-5% of input >5 mps;
>2.5 mps error per point; >0.90 gm-cm starting torque threshold.

COMMENT: WS starting torque threshold = 0.28 mps.

Station does not have chart recorder as backup system.

Results are:		DAS	Chart
(Mark X)	As Found INITIAL CALIB.	Pass/Fail:	
	As Left XX	PASS	NA

HORIZONTAL WIND DIRECTION CALIBRATION REPORT

Station: BALDY MESA Date: 6/3/95 Tech: D.JOHNSON

**** WIND DIRECTION SENSOR ****

Begin: 1157 PST
End: 1215 PST
Make: R.M.YOUNG
Model: 05305
SN#: 20409
Range: 0 to 540 deg
Height: 10 m
Torque: 6.0 gm-cm

Magnetic Dec: 13.9 deg E (GEOMAG 5/95)
North Align. Error: 0.0 deg

	Gen. Dir.	Input Value Deg.	DVM Volts	DAS Stn Deg.	DAS Error Deg.	Chart Stn Deg.	Chart Error Deg.
	North	10.0	---	9.9	-0.1	---	---
	East	90.0	---	89.7	-0.3	---	---
	South	180.0	---	179.0	-1.0	---	---
cw	West	270.0	---	269.0	-1.0	---	---
	North	350.0	---	350.0	0.0	---	---
	East	90.0	---	89.8	-0.2	---	---
	South	180.0	---	180.0	0.0	---	---
	East	90.0	---	89.8	-0.2	---	---
ccw	North	350.0	---	349.0	-1.0	---	---
		Mean Absolute Error:		0.4			NA

LIMITS: >+/-3 deg from T.N.(alignment); >+/-5 deg error per input point;
>+/-3 deg Mean Abslt Error (linearity); >9.0 gm-cm start torque.

COMMENT: WD starting torque threshold = 0.40 mps.

Station does not have chart recorder as backup system.

Results are: (Mark X)		DAS	Chart
	As Found INITIAL CALIB.		
	As Left XX	Pass/Fail: PASS	NA

AMBIENT TEMPERATURE CALIBRATION REPORT

Station: BALDY MESA Date: 6/3/95 Tech: D.JOHNSON

**** AMBIENT TEMPERATURE PROBE ****

Begin: 1220 PST Make: CAMPBELL SCI. Range: -30 to +50 C
End: 1310 PST Model: 107 Hgt.: 8 m
SN#: NA

CALIBRATION THERMOMETER-> Make: VWR SN#: 92-14453

			DAS			Chart			
Water Bath	Input Deg.C	DVM Volts	Stn deg C	Error deg C	Error %	Stn div	Stn deg C	Error deg C	Error %
Ice	3.5	---	3.5	0.0	NA	---	---	---	---
Cool	23.2	---	23.1	-0.1	-0.4	---	---	---	---
Hot	43.4	---	43.3	-0.1	-0.2	---	---	---	---
Mean Absolute Error:				0.07	0.30			NA	NA

LIMIT: >+/-0.5 C error per input point.

COMMENT: Station does not have chart recorder backup system.

Results are:			DAS	Chart
(Mark X)	As Found	INITIAL CALIB.		
	As Left	XX	Pass/Fail: PASS	NA

OZONE MULTIPOINT CALIBRATION REPORT

Station: BALDY MESA Date: 6/7/95 Tech: D.JOHNSON

**** STATION OZONE ANALYZER ****

Begin: 0930 PST Make: DASIBI SN#: 3150 (SCAQMD)
End: 1123 PST Model: 1003 AH Range: 0-500 ppb

Span#: 60.550 Samp.Freq.(40-48 kHz): 44.137
Offset#: 4 Cont.Freq.(21-28 kHz): 25.550

**** OZONE TRANSFER STANDARD ****

Make: DASIBI Model: 1003 PC SN#: 1871
Range: 0-500 ppb Span#: 52.550 Offset#: 4

Cert. Date: 4/20/95 Samp.Freq.(40-48 kHz): 48.942
Slope: 1.0002 Cont.Freq.(21-28 kHz): 24.732
Inter.: 0.5750 Cell Temperature, C: 43.00
Bar. Pressure, mmHg: 649.00
STP Correction Factor: 1.1784

Avg. T.Std Dsply ppb	Audit T.Std. Value ppb	PRIMARY DAS ppb	PRIMARY Error ppb	PRIMARY Error %	BACKUP DAS ppb	BACKUP Error ppb	BACKUP Error %
17	0	-1	-1	---	---	---	---
414	468	464	-4	-0.9	---	---	---
171	182	178	-4	-2.2	---	---	---
96	94	91	-3	-3.2	---	---	---
Mean Absolute Errors:		3	2.10			NA	NA

LIMITS: m = >1 +/-0.1, and b = >+/-2% FS, and r = <0.9950

COMMENT: O3 line loss at 467 ppb is -2.7 %

Station does not have chart recorder as backup system.

	LINEAR REGRESSIONS Primary	Backup
Slope, m:	0.9947	NA
Intercept, b:	-2.014	NA
Corr.,r:	1.0000	NA

Results are: (Mark X) As Found / As Left — INITIAL XX

	Primary	Backup
Pass/Fail:	PASS	NA

HORIZONTAL WIND SPEED CALIBRATION REPORT

Station: BORON Date: 5/31/95 Tech: D.JOHNSON
R.HILLESTAD

**** WIND SPEED SENSOR ****

Begin: 1250 PST Make: R.M.YOUNG Range: 0 to 44.7 mps
End: 1308 PST Model: 05305 Height: 10 m
SN#: 20518 Torque: 0.3 gm-cm

ANEMOMETER DRIVE MOTOR--> Make: R.M.YOUNG S/N: NA

Input rpm	Input Value mps	Input Value mph	DVM Volts	DAS Stn mps	DAS Error mps	DAS Error %	Chart Stn mph	Chart Error mph	Chart Error %
0	0.00	0.00	---	0.00	0.00	NA	---	---	---
700	3.43	7.67	---	3.43	0.00	0.0	---	---	---
2500	12.25	27.40	---	12.20	-0.05	-0.4	---	---	---
7000	34.30	76.73	---	34.20	-0.10	-0.3	---	---	---
			Mean Absolute Error:		0.04	0.2		NA	NA

LIMITS: >+/-0.2 mps error for speeds <5 mps; >+/-5% of input >5 mps;
>2.5 mps error per point; >0.90 gm-cm starting torque threshold.

COMMENT: WS starting torque threshold = 0.28 mps.
Bearings are OK.

Station does not have chart recorder as backup system.

Results are: (Mark X)		DAS	Chart
As Found	INITIAL CALIB.	Pass/Fail: PASS	NA
As Left	XX		

HORIZONTAL WIND DIRECTION CALIBRATION REPORT

Station: BORON Date: 5/31/95 Tech: D.JOHNSON
R.HILLESTAD

**** WIND DIRECTION SENSOR ****

Begin: 1353 PST
End: 1500 PST
Make: R.M.YOUNG
Model: 05305
SN#: 20518
Range: 0 to 540 deg
Height: 10 m
Torque: 6.0 gm-cm

Magnetic Dec: 14.1 deg E
(GEOMAG 5/95)
North Align. Error: 0.0 deg

	Gen. Dir.	Input Value Deg.	DVM Volts	DAS Stn Deg.	DAS Error Deg.	Chart Stn Deg.	Chart Error Deg.
	North	10.0	---	10.9	0.9	---	---
	East	90.0	---	93.7	3.7	---	---
	South	180.0	---	182.0	2.0	---	---
cw	West	270.0	---	270.0	0.0	---	---
	North	350.0	---	351.0	1.0	---	---
	East	90.0	---	93.3	3.3	---	---
	South	180.0	---	182.0	2.0	---	---
	East	90.0	---	93.2	3.2	---	---
ccw	North	10.0	---	12.5	2.5	---	---
		Mean Absolute Error:			2.1		NA

LIMITS: >+/-3 deg from T.N.(alignment); >+/-5 deg error per input point;
>+/-3 deg Mean Abslt Error (linearity); >9.0 gm-cm start torque.

COMMENT: WD starting torque threshold = 0.40 mps.
Bearings are OK.

Station does not have chart recorder as backup system.

Results are: (Mark X)			DAS	Chart
	As Found	INITIAL CALIB	Pass/Fail: PASS	NA
	As Left	XX		

AMBIENT TEMPERATURE CALIBRATION REPORT

Station: BORON Date: 5/31/95 Tech: D.JOHNSON
R.HILLESTAD

**** AMBIENT TEMPERATURE PROBE ****

Begin: 1500 PST Make: CAMPBELL SCI. Range: -30 to +50 C
End: 1600 PST Model: 107 Hgt.: 3.5 m
SN#: NA

CALIBRATION THERMOMETER-> Make: VWR SN#: 92-14453

Water Bath	Input Deg.C	DVM Volts	DAS Stn deg C	DAS Error deg C	DAS Error %	Chart Stn div	Chart Stn deg C	Chart Error deg C	Chart Error %
Ice	1.1	---	1.1	0.0	NA	---	---	---	---
Cool	24.2	---	24.1	-0.1	-0.4	---	---	---	---
Hot	45.8	---	45.7	-0.1	-0.2	---	---	---	---
Mean Absolute Error:				0.07	0.30			NA	NA

LIMIT: >+/-0.5 C error per input point.

COMMENT: Station does not have chart recorder backup system.

Results are: (Mark X)			DAS	Chart
	As Found	INITAIAL CALIB		
	As Left	XX		
		Pass/Fail:	PASS	NA

OZONE MULTIPOINT CALIBRATION REPORT

Station: BORON Date: 6/7/95 Tech: D.JOHNSON

**** STATION OZONE ANALYZER ****

Begin: 1330 PST Make: DASIBI SN#: 1805
End: 1700 PST Model: 1003 AH Range: 0-500 ppb

Span#: 57.550 Samp.Freq.(40-48 kHz): 38.172
Offset#: 4 Cont.Freq.(21-28 kHz): 25.625

**** OZONE TRANSFER STANDARD ****

Make: DASIBI Model: 1003 PC SN#: 1871
Range: 0-500 ppb Span#: 52.550 Offset#: 4

Cert. Date: 4/20/95 Samp.Freq.(40-48 kHz): 49.372
Slope: 1.0002 Cont.Freq.(21-28 kHz): 24.229
Inter.: 0.5750 Cell Temperature, C: 45.50
Bar. Pressure, mmHg: 688.40
STP Correction Factor: 1.1197

Avg. T.Std Dsply ppb	Audit T.Std. Value ppb	PRIMARY DAS ppb	PRIMARY Error ppb	PRIMARY Error %	BACKUP DAS ppb	BACKUP Error ppb	BACKUP Error %
16	0	1	1	---	---	---	---
90	83	83	0	0.0	---	---	---
181	185	185	0	0.0	---	---	---
422	455	451	-4	-0.9	---	---	---
Mean Absolute Errors:			1	0.30		NA	NA

LIMITS: m = >1 +/-0.1, and b = >+/-2% FS, and r = <0.9950

COMMENT: O3 line loss at 466 ppb is -1.1 %

Station does not have chart recorder as backup system.

Sample frequency for station analyzer is slightly low but will not affect data. The photometer UV lamp should be checked and adjusted or replaced to allow adjustment of the sample frequency into the optimum range.

	LINEAR REGRESSIONS Primary	Backup
Slope, m:	0.9891	NA
Intercept, b:	1.216	NA
Corr.,r:	1.0000	NA

Results are: (Mark X) As Found INITIAL
As Left XX

	Primary	Backup
Pass/Fail:	PASS	NA

1 HORIZONTAL WIND SPEED CALIBRATION REPORT

Station: CATALINA Date: 6/8/95 Tech: D.JOHNSON
G.MAZIS

**** WIND SPEED SENSOR ****

Begin: 1333 PST Make: R.M.YOUNG Range: 0 to 44.7 mps
End: 1415 PST Model: 05305 Height: 10 m
SN#: 20521 Torque: 0.2 gm-cm

ANEMOMETER DRIVE MOTOR--> Make: R.M.YOUNG S/N: NA

Input rpm	Input Value mps	Input Value mph	DVM Volts	DAS Stn mps	DAS Error mps	DAS Error %	Chart Stn mph	Chart Error mph	Chart Error %
0	0.00	0.00	---	0.00	0.00	NA	---	---	---
700	3.43	7.67	---	3.43	0.00	0.0	---	---	---
2500	12.25	27.40	---	12.20	-0.05	-0.4	---	---	---
7000	34.30	76.73	---	34.20	-0.10	-0.3	---	---	---
		Mean Absolute Error:		0.04	0.2			NA	NA

LIMITS: >+/-0.2 mps error for speeds <5 mps; >+/-5% of input >5 mps;
>2.5 mps error per point; >0.90 gm-cm starting torque threshold.

COMMENT: WS starting torque threshold = 0.23 mps.
Bearings are OK

Station does not have chart recorder as backup system.

Results are: (Mark X)			DAS	Chart
As Found	INITIAL CALIB.	Pass/Fail:	PASS	NA
As Left	XX			

HORIZONTAL WIND DIRECTION CALIBRATION REPORT

Station: CATALINA Date: 6/8/95 Tech: D.JOHNSON
G.MAZIS

**** WIND DIRECTION SENSOR ****

Begin: 1416 PST Make: R.M.YOUNG Range: 0 to 540 deg
End: 1515 PST Model: 05305 Height: 10 m
SN#: 20521 Torque: 6.0 gm-cm

Magnetic Dec: 13.8 deg E (GEOMAG 6/95) North Align. Error: 0.0 deg

	Gen. Dir.	Input Value Deg.	DVM Volts	DAS Stn Deg.	DAS Error Deg.	Chart Stn Deg.	Chart Error Deg.
	North	10.0	---	11.2	1.2	---	---
	East	90.0	---	90.6	0.6	---	---
	South	180.0	---	179.0	-1.0	---	---
cw	West	270.0	---	270.0	0.0	---	---
	North	350.0	---	352.0	2.0	---	---
	East	90.0	---	90.4	0.4	---	---
	South	180.0	---	179.0	-1.0	---	---
	East	90.0	---	90.2	0.2	---	---
ccw	North	10.0	---	10.8	0.8	---	---
		Mean Absolute Error:			0.8		NA

LIMITS: >+/-3 deg from T.N.(alignment); >+/-5 deg error per input point;
>+/-3 deg Mean Abslt Error (linearity); >9.0 gm-cm start torque.

COMMENT: WD starting torque threshold = 0.40 mps.
Bearings are OK.

Station does not have chart recorder as backup system.

Results are: (Mark X)		DAS	Chart
	As Found INITIAL CALIB.		
	As Left XX	Pass/Fail: PASS	NA

AMBIENT TEMPERATURE CALIBRATION REPORT

Station: CATALINA Date: 6/8/95 Tech: D.JOHNSON
G.MAZIS

**** AMBIENT TEMPERATURE PROBE ****

Begin: 1520 PST Make: CAMPBELL SCI. Range: -30 to +50 C
End: 1600 PST Model: 107 Hgt.: 10 m
SN#: NA

CALIBRATION THERMOMETER-> Make: VWR SN#: 92-14453

			DAS			Chart			
Water Bath	Input Deg.C	DVM Volts	Stn deg C	Error deg C	Error %	Stn div	Stn deg C	Error deg C	Error %
Ice	2.9	---	2.7	-0.2	NA	---	---	---	---
Cool	20.3	---	20.1	-0.2	-1.0	---	---	---	---
Hot	46.8	---	46.9	0.1	0.2	---	---	---	---
Mean Absolute Error:				0.17	0.60			NA	NA

LIMIT: >+/-0.5 C error per input point.

COMMENT: Station does not have chart recorder backup system.

Results are:		DAS	Chart
(Mark X)	As Found INITIAL CALIB.	Pass/Fail:	
	As Left XX	PASS	NA

OZONE MULTIPOINT CALIBRATION REPORT

Station: CATALINA Date: 6/22/95 Tech: R.HILLESTAD
G.MAZIS

**** STATION OZONE ANALYZER ****

Begin: 1600 PST Make: DASIBI SN#: 2509
End: 1820 PST Model: 1003 AH Range: 0-500 ppb

Span#: 55.550 Samp.Freq.(40-48 kHz): 42.396
Offset#: 10 Cont.Freq.(21-28 kHz): 23.347

**** OZONE TRANSFER STANDARD ****

Make: DASIBI Model: 1008 PC SN#: 4700
Range: 0-500 ppb Span#: 30.808 Offset#: 8

Cert. Date: 5/14/95 Samp.Freq.(40-48 kHz): 47.344
Slope: 1.0061 (note) Cont.Freq.(21-28 kHz): 50.000
Inter.: -1.5330 Cell Temperature, C: 45.300
Bar. Pressure, mmHg: 729.60
STP Correction Factor: 1.0558

Avg. T.Std Dsply ppb	Audit T.Std. Value ppb	PRIMARY DAS ppb	PRIMARY Error ppb	PRIMARY Error %	BACKUP DAS ppb	BACKUP Error ppb	BACKUP Error %
9	0	43	43	---	---	---	---
67	57	98	41	71.9	---	---	---
163	153	189	36	23.5	---	---	---
416	408	418	10	2.5	---	---	---
Mean Absolute Errors:		33	32.63			NA	NA

LIMITS: m = >1 +/-0.1, and b = >+/-2% FS, and r = <0.9950

COMMENT: Station does not have chart recorder as backup system.

Results are "As found". Time did not allow performing an "As Left" multipoint before airport closed for day. Station analyzer offset is set too high. Affect is linear and data should be adjusted based on calibration results. Station analyzer offset will be reset on next site visit.

NOTE: This calibration done with T-P switched on.

	LINEAR REGRESSIONS Primary	Backup
Slope, m:	0.9164	NA
Intercept, b:	45.412	NA
Corr.,r:	0.9999	NA

Results are: As Found XX (Mark X) As Left XX

	Primary	Backup
Pass/Fail:	FAIL	NA

OZONE MULTIPOINT CALIBRATION REPORT

Station: CATALINA Date: 6/27/95 Tech: G.MAZIS

**** STATION OZONE ANALYZER ****

Begin: 1320 PST Make: DASIBI SN#: 2509
End: PST Model: 1003 AH Range: 0-500 ppb

Span#: 55.550 Samp.Freq.(40-48 kHz): 41.764
Offset#: 4 Cont.Freq.(21-28 kHz): 23.025

**** OZONE TRANSFER STANDARD ****

Make: DASIBI Model: 1008 PC SN#: 4700
Range: 0-500 ppb Span#: 30.808 Offset#: 8

Cert. Date: 5/14/95 Samp.Freq.(40-48 kHz): 45.238
Slope: 1.0356 Cont.Freq.(21-28 kHz): 50.000
Inter.: -1.3800 Cell Temperature, C: 44.400
Bar. Pressure, mmHg: 731.90
STP Correction Factor: 1.0495

Avg. T.Std Dsply ppb	Audit T.Std. Value ppb	PRIMARY DAS ppb	PRIMARY Error ppb	PRIMARY Error %	BACKUP DAS ppb	BACKUP Error ppb	BACKUP Error %
8	0	7	7	---	---	---	---
99	93	98	5	5.4	---	---	---
196	193	195	2	1.0	---	---	---
400	405	400	-5	-1.2	---	---	---
Mean Absolute Errors:			5	2.53		NA	NA

LIMITS: m = >1 +/-0.1, and b = >+/-2% FS, and r = <0.9950

COMMENT: Station does not have chart recorder as backup.

This multipoint calibration report reflects analyzer response following the resetting of the offset switch (zero adjustment). See the 6/27/95 Zero/Precision/Span Check report and the 6/22/95 multipoint calibration report for analyzer response prior to the adjustment of the offset switch.

	LINEAR REGRESSIONS Primary	Backup
Slope, m:	0.9699	NA
Intercept, b:	7.456	NA
Corr.,r:	1.0000	NA

Results are: As Found (Mark X) As Left XX

	Primary	Backup
Pass/Fail:	PASS	NA

1 HORIZONTAL WIND SPEED CALIBRATION REPORT

Station: FLASH II Date: 5/27/95 Tech: D.JOHNSON
R.HILLESTAD

**** WIND SPEED SENSOR ****

Begin: 1000 PST Make: R.M.YOUNG Range: 0 to 44.7 mps
End: 1040 PST Model: 05305 Height: 10 m
SN#: 19672 Torque: 0.3 gm-cm

ANEMOMETER DRIVE MOTOR--> Make: R.M.YOUNG S/N: NA

	Input	Input		DAS			Chart		
Input	Value	Value	DVM	Stn	Error	Error	Stn	Error	Error
rpm	mps	mph	Volts	mps	mps	%	mph	mph	%
0	0.00	0.00	---	0.00	0.00	NA	---	---	---
700	3.43	7.67	---	3.39	-0.04	-1.2	---	---	---
2500	12.25	27.40	---	12.10	-0.15	-1.2	---	---	---
7000	34.30	76.73	---	33.90	-0.40	-1.2	---	---	---
			Mean Absolute Error:		0.15	1.2		NA	NA

LIMITS: >+/-0.2 mps error for speeds <5 mps; >+/-5% of input >5 mps;
>2.5 mps error per point; >0.90 gm-cm starting torque threshold.

COMMENT: WS starting torque threshold = 0.28 mps.
Bearings are OK.

Station does not have chart recorder as backup system.

Results are:		DAS	Chart
(Mark X)	As Found INITIAL CALIB.	Pass/Fail:	
	As Left XX	PASS	NA

HORIZONTAL WIND DIRECTION CALIBRATION REPORT

Station: FLASH II Date: 5/27/95 Tech: D.JOHNSON
R.HILLESTAD

**** WIND DIRECTION SENSOR ****

Begin: 1045 PST Make: R.M.YOUNG Range: 0 to 540 deg
End: 1130 PST Model: 05305 Height: 10 m
SN#: 19672 Torque: 6.0 gm-cm

Magnetic Dec: 13.9 deg E (GEOMAG 5/95) North Align. Error: 0.0 deg

	Gen. Dir.	Input Value Deg.	DVM Volts	DAS Stn Deg.	DAS Error Deg.	Chart Stn Deg.	Chart Error Deg.
	North	10.0	---	10.2	0.2	---	---
	East	90.0	---	89.0	-1.0	---	---
	South	180.0	---	179.0	-1.0	---	---
cw	West	270.0	---	269.0	-1.0	---	---
	North	350.0	---	350.0	0.0	---	---
	East	90.0	---	90.2	0.2	---	---
	South	180.0	---	179.0	-1.0	---	---
	East	90.0	---	89.0	-1.0	---	---
ccw	North	10.0	---	10.1	0.1	---	---
		Mean Absolute Error:			0.6		NA

LIMITS: >+/-3 deg from T.N.(alignment); >+/-5 deg error per input point;
>+/-3 deg Mean Abslt Error (linearity); >9.0 gm-cm start torque.

COMMENT: WD starting torque threshold = 0.40 mps.
Bearings are OK.

Station does not have chart recorder as backup system.

Results are: (Mark X)		DAS	Chart
	As Found INITIAL CALIB.		
	As Left XX	Pass/Fail: PASS	NA

AMBIENT TEMPERATURE CALIBRATION REPORT

Station: FLASH II Date: 5/27/95 Tech: D.JOHNSON
R.HILLESTAD

**** AMBIENT TEMPERATURE PROBE ****

Begin: 1000 PST Make: CAMPBELL SCI. Range: -30 to +50 C
End: 1040 Model: 107 Hgt.: 3.5 m
SN#: NA

CALIBRATION THERMOMETER-> Make: VWR SN#: 92-14453

			DAS			Chart			
Water Bath	Input Deg.C	DVM Volts	Stn deg C	Error deg C	Error %	Stn div	Stn deg C	Error deg C	Error %
Ice	2.7	---	2.7	0.0	NA	---	---	---	---
Cool	22.8	---	22.8	0.0	0.0	---	---	---	---
Hot	42.0	---	42.1	0.1	0.2	---	---	---	---
Mean Absolute Error:				0.03	0.10			NA	NA

LIMIT: >+/-0.5 C error per input point.

COMMENT: Station does not have chart recorder backup system.

Results are: (Mark X)			DAS	Chart
	As Found	INITIAL CALIB.		
	As Left	XX		
		Pass/Fail:	PASS	NA

OZONE MULTIPOINT CALIBRATION REPORT

Station: FLASH II Date: 6/10/95 Tech: D.JOHNSON

**** STATION OZONE ANALYZER ****

Begin: 1730 PST Make: DASIBI SN#: 3070
End: 1900 PST Model: 1003 AH Range: 0-500 ppb

Span#: 59.450 Samp.Freq.(40-48 kHz): 43.219
Offset#: 4 Cont.Freq.(21-28 kHz): 23.427

**** OZONE TRANSFER STANDARD ****

Make: DASIBI Model: 1003 PC SN#: 1871
Range: 0-500 ppb Span#: 52.550 Offset#: 4

Cert. Date: 4/20/95 Samp.Freq.(40-48 kHz): 46.289
Slope: 1.0002 Cont.Freq.(21-28 kHz): 22.262
Inter.: 0.5750 Cell Temperature, C: 55.00
Bar. Pressure, mmHg: 674.00
STP Correction Factor: 1.1778

Avg. T.Std Dsply ppb	Audit T.Std. Value ppb	PRIMARY DAS ppb	PRIMARY Error ppb	PRIMARY Error %	BACKUP DAS ppb	BACKUP Error ppb	BACKUP Error %
19	0	1	1	---	---	---	---
100	96	100	4	4.2	---	---	---
181	191	193	2	1.0	---	---	---
397	446	445	-1	-0.2	---	---	---
Mean Absolute Errors:			2	1.80		NA	NA

LIMITS: m = >1 +/-0.1, and b = >+/-2% FS, and r = <0.9950

COMMENT: O3 line loss at 466 ppb is -2.6 %

Station does not have chart recorder as backup system.

LINEAR REGRESSIONS	Primary	Backup
Slope, m:	0.9929	NA
Intercept, b:	2.795	NA
Corr.,r:	1.0000	NA

Results are: As Found INITIAL (Mark X) As Left XX

	Primary	Backup
Pass/Fail:	PASS	NA

1

HORIZONTAL WIND SPEED CALIBRATION REPORT

Station: LUDLOW Date: 5/25/95 Tech: D.JOHNSON
R.HILLESTAD

**** WIND SPEED SENSOR ****

Begin: 1200 PST Make: R.M.YOUNG Range: 0 to 44.7 mps
End: 1245 PST Model: 05305 Height: 10 m
SN#: 02523 Torque: 0.2 gm-cm

ANEMOMETER DRIVE MOTOR--> Make: R.M.YOUNG S/N: NA

Input rpm	Input Value mps	Input Value mph	DVM Volts	DAS Stn mps	DAS Error mps	DAS Error %	Chart Stn mph	Chart Error mph	Chart Error %
0	0.00	0.00	---	0.00	0.00	NA	---	---	---
700	3.43	7.67	---	3.60	0.17	5.0	---	---	---
2500	12.25	27.40	---	12.80	0.55	4.5	---	---	---
7000	34.30	76.73	---	35.80	1.50	4.4	---	---	---
			Mean Absolute Error:		0.56	4.6		NA	NA

LIMITS: >+/-0.2 mps error for speeds <5 mps; >+/-5% of input >5 mps;
>2.5 mps error per point; >0.90 gm-cm starting torque threshold.

COMMENT: WS starting torque threshold = 0.23 mps.
Bearings are OK.

Station does not have chart recorder as backup system.

Results are: (Mark X)			DAS	Chart
	As Found	INITIAL CALIB.		
	As Left	XX	Pass/Fail: PASS	NA

HORIZONTAL WIND DIRECTION CALIBRATION REPORT

Station: LUDLOW Date: 5/25/95 Tech: D.JOHNSON
R.HILLESTAD

**** WIND DIRECTION SENSOR ****

Begin: 1245 PST Make: R.M.YOUNG Range: 0 to 540 deg
End: 1400 PST Model: 05305 Height: 9 m
SN#: 02523 Torque: 6.0 gm-cm

Magnetic Dec: 13.7 deg E (GEOMAG 5/95) North Align. Error: 0.0 deg

	Gen. Dir.	Input Value Deg.	DVM Volts	DAS Stn Deg.	DAS Error Deg.	Chart Stn Deg.	Chart Error Deg.
	North	10.0	---	9.0	-1.0	---	---
	East	90.0	---	88.0	-2.0	---	---
	South	180.0	---	179.0	-1.0	---	---
cw	West	270.0	---	270.0	0.0	---	---
	North	350.0	---	349.0	-1.0	---	---
	West	270.0	---	269.0	-1.0	---	---
	South	180.0	---	180.0	0.0	---	---
	East	90.0	---	87.0	-3.0	---	---
ccw	North	10.0	---	9.0	-1.0	---	---
		Mean Absolute Error:		1.1			NA

LIMITS: >+/-3 deg from T.N.(alignment); >+/-5 deg error per input point;
>+/-3 deg Mean Abslt Error (linearity); >9.0 gm-cm start torque.

COMMENT: WD starting torque threshold = 0.40 mps.
Bearings are OK.

Station does not have chart recorder as backup system.

Results are: (Mark X)		DAS	Chart
	As Found INITIAL CALIB.		
	As Left XX	Pass/Fail: PASS	NA

AMBIENT TEMPERATURE CALIBRATION REPORT

Station: LUDLOW Date: 5/25/95 Tech: D.JOHNSON
R.HILLESTAD

**** AMBIENT TEMPERATURE PROBE ****

Begin: 1410 PST Make: CAMPBELL SCI. Range: -30 to +50 C
End: 1500 PST Model: 107 Hgt.: 3 m
SN#: NA

CALIBRATION THERMOMETER-> Make: VWR SN#: 92-14453

Water Bath	Input Deg.C	DVM Volts	DAS Stn deg C	DAS Error deg C	DAS Error %	Chart Stn div	Chart Stn deg C	Chart Error deg C	Chart Error %
Ice	1.9	---	1.8	-0.1	NA	---	---	---	---
Cool	23.5	---	23.5	0.0	0.0	---	---	---	---
Hot	42.2	---	42.5	0.3	0.7	---	---	---	---
Mean Absolute Error:				0.13	0.35			NA	NA

LIMIT: >+/-0.5 C error per input point.

COMMENT: Station does not have chart recorder backup system.

Results are: (Mark X)		DAS	Chart
	As Found INITIAL CALIB.		
	As Left XX	Pass/Fail: PASS	NA

OZONE MULTIPOINT CALIBRATION REPORT

Station: LUDLOW Date: 6/10/95 Tech: D.JOHNSON

**** STATION OZONE ANALYZER ****

Begin: 1228 PST Make: DASIBI SN#: 1039
End: 1415 PST Model: 1003 AH Range: 0-500 ppb

Span#: Samp.Freq.(40-48 kHz): 44.590
Offset#: Cont.Freq.(21-28 kHz): 27.373

**** OZONE TRANSFER STANDARD ****

Make: DASIBI Model: 1003 PC SN#: 1871
Range: 0-500 ppb Span#: 52.550 Offset#: 4

Cert. Date: 4/20/95 Samp.Freq.(40-48 kHz): 49.794
Slope: 1.0002 Cont.Freq.(21-28 kHz): 24.335
Inter.: 0.5750 Cell Temperature, C: 43.00
Bar. Pressure, mmHg: 713.00
STP Correction Factor: 1.0726

Avg. T.Std Dsply ppb	Audit T.Std. Value ppb	PRIMARY DAS ppb	PRIMARY Error ppb	PRIMARY Error %	BACKUP DAS ppb	BACKUP Error ppb	BACKUP Error %
17	0	0	0	---	---	---	---
102	92	91	-1	-1.1	---	---	---
184	180	181	1	0.6	---	---	---
445	460	459	-1	-0.2	---	---	---
Mean Absolute Errors:			1	0.63		NA	NA

LIMITS: m = >1 +/-0.1, and b = >+/-2% FS, and r = <0.9950

COMMENT: O3 line loss at 466 ppb is -0.6 %

Station does not have chart recorder as backup system.

	LINEAR REGRESSIONS Primary	Backup
Slope, m:	0.9984	NA
Intercept, b:	0.042	NA
Corr.,r:	1.0000	NA

Results are: As Found (Mark X) INITIAL
As Left XX

	Primary	Backup
Pass/Fail:	PASS	NA

1

HORIZONTAL WIND SPEED CALIBRATION REPORT

Station: PALMDALE Date: 5/29/95 Tech: D.JOHNSON
R.HILLESTAD

**** WIND SPEED SENSOR ****

Begin: 0803 PST Make: R.M.YOUNG Range: 0 to 44.7 mps
End: 0950 PST Model: 05305 Height: 10 m
SN#: 20517 Torque: 0.3 gm-cm

ANEMOMETER DRIVE MOTOR--> Make: R.M.YOUNG S/N: NA

Input rpm	Input Value mps	Input Value mph	DVM Volts	DAS Stn mps	DAS Error mps	DAS Error %	Chart Stn mph	Chart Error mph	Chart Error %
0.0	0.00	0.00	---	0.00	0.00	NA	---	---	---
700	3.43	7.67	---	3.43	0.00	0.0	---	---	---
2500	12.25	27.40	---	12.20	-0.05	-0.4	---	---	---
7000	34.30	76.73	---	34.20	-0.10	-0.3	---	---	---
			Mean Absolute Error:		0.04	0.2		NA	NA

LIMITS: >+/-0.2 mps error for speeds <5 mps; >+/-5% of input >5 mps;
>2.5 mps error per point; >0.90 gm-cm starting torque threshold.

COMMENT: WS starting torque threshold = 0.28 mps.
Sensor bearings are OK.

Station does not have chart recorder as backup system.

Results are: (Mark X)		DAS	Chart
As Found	INITIAL CALIB.		
As Left	XX	Pass/Fail: PASS	NA

2 HORIZONTAL WIND DIRECTION CALIBRATION REPORT

Station: PALMDALE Date: 5/29/95 Tech: D.JOHNSON

**** WIND DIRECTION SENSOR ****

Begin: 0845 PST Make: R.M.YOUNG Range: 0 to 540 deg
End: 0955 PST Model: 05305 Height: 10 m
SN#: 20517 Torque: 9.0 gm-cm

Magnetic Dec: 14.1 deg E (GEOMAG 5/95) North Align. Error: 0.0 deg

	Gen. Dir.	Input Value Deg.	DVM Volts	DAS Stn Deg.	DAS Error Deg.	Chart Stn Deg.	Chart Error Deg.
	North	10.0	---	8.9	-1.1	---	---
	East	90.0	---	90.2	0.2	---	---
	South	180.0	---	181.0	1.0	---	---
cw	West	270.0	---	270.0	0.0	---	---
	North	350.0	---	350.0	0.0	---	---
	East	45.0	---	44.5	-0.5	---	---
	South	135.0	---	135.0	0.0	---	---
	East	225.0	---	226.0	1.0	---	---
ccw	North	315.0	---	314.0	-1.0	---	---
	Mean Absolute Error:			0.5			NA

LIMITS: >+/-3 deg from T.N.(alignment); >+/-5 deg error per input point;
>+/-3 deg Mean Abslt Error (linearity); >9.0 gm-cm start torque.

COMMENT: WD starting torque threshold = 0.49 mps.
Sensor bearings are OK.

Station does not have chart recorder as backup system.

Results are: (Mark X)		DAS	Chart
	As Found INITIAL CALIB.		
	As Left XX	Pass/Fail: PASS	NA

AMBIENT TEMPERATURE CALIBRATION REPORT

Station: PALMDALE Date: 5/29/95 Tech: D.JOHNSON

**** AMBIENT TEMPERATURE PROBE ****

Begin: 0857 PST
End: 1015 PST
Make: CAMPBELL SCI.
Model: 107
SN#: NA
Range: -30 to +50 C
Hgt.: 8 m

CALIBRATION THERMOMETER-> Make: VWR SN#: 92-14452

Water Bath	Input Deg.C	DVM Volts	DAS Stn deg C	DAS Error deg C	DAS Error %	Chart Stn div	Chart Stn deg C	Chart Error deg C	Chart Error %
Ice	0.6	---	0.6	0.0	NA	---	---	---	---
Cool	23.6	---	23.6	0.0	0.0	---	---	---	---
Hot	42.4	---	42.4	0.0	0.0	---	---	---	---
Mean Absolute Error:				0.00	0.00			NA	NA

LIMIT: >+/-0.5 C error per input point.

COMMENT: Station does not have chart recorder backup system.

Results are: (Mark X)		DAS	Chart
	As Found INITIAL CALIB		
	As Left XX	Pass/Fail: PASS	NA

OZONE MULTIPOINT CALIBRATION REPORT

Station: PALMDALE Date: 6/11/95 Tech: D.JOHNSON

**** STATION OZONE ANALYZER ****

Begin: 1648 PST Make: DASIBI SN#: 2052 (DSS)
End: 1810 PST Model: 1003 AH Range: 0-500 ppb

Span#: 57.850 Samp.Freq.(40-48 kHz): 45.295
Offset#: 4 Cont.Freq.(21-28 kHz): 24.250

**** OZONE TRANSFER STANDARD ****

Make: DASIBI Model: 1003 PC SN#: 1871
Range: 0-500 ppb Span#: 52.550 Offset#: 4

Cert. Date: 4/20/95 Samp.Freq.(40-48 kHz): 49.623
Slope: 1.0002 Cont.Freq.(21-28 kHz): 24.281
Inter.: 0.5750 Cell Temperature, C: 44.00
Bar. Pressure, mmHg: 686.00
STP Correction Factor: 1.1184

Avg. T.Std Dsply ppb	Audit T.Std. Value ppb	PRIMARY DAS ppb	PRIMARY Error ppb	PRIMARY Error %	BACKUP DAS ppb	BACKUP Error ppb	BACKUP Error %
16	0	1	1	---	---	---	---
97	91	90	-1	-1.1	---	---	---
188	193	195	2	1.0	---	---	---
406	437	440	3	0.7	---	---	---
Mean Absolute Errors:		2	0.93			NA	NA

LIMITS: m = >1 +/-0.1, and b = >+/-2% FS, and r = <0.9950

COMMENT: O3 line loss at 468 ppb is -1.3 %

Station does not have chart recorder as backup system.

NOTE: "As Found" span was +7.1%. Adjusted multiplier in DAS prior to completing multipoint calibration.

	LINEAR REGRESSIONS Primary	Backup
Slope, m:	1.0066	NA
Intercept, b:	0.058	NA
Corr.,r:	1.0000	NA

Results are: As Found INITIAL (Mark X) As Left XX

	Primary	Backup
Pass/Fail:	PASS	NA

OZONE MULTIPOINT CALIBRATION REPORT

Station: PALMDALE Date: 6/13/95 Tech: D.JOHNSON
R.HILLESTAD

**** STATION OZONE ANALYZER ****

Begin: 1655 PST Make: DASIBI SN#: 1813
End: 1835 PST Model: 1003 AH Range: 0-500 ppb

Span#: 57.850 Samp.Freq.(40-48 kHz): 46.975
Offset#: 4 Cont.Freq.(21-28 kHz): 24.357

**** OZONE TRANSFER STANDARD ****

Make: DASIBI Model: 1003 PC SN#: 1871
Range: 0-500 ppb Span#: 52.550 Offset#: 4

Cert. Date: 4/20/95 Samp.Freq.(40-48 kHz): 49.270
Slope: 1.0002 Cont.Freq.(21-28 kHz): 24.011
Inter.: 0.5750 Cell Temperature, C: 45.50
Bar. Pressure, mmHg: 684.90
STP Correction Factor: 1.1254

Avg. T.Std Dsply ppb	Audit T.Std. Value ppb	PRIMARY DAS ppb	PRIMARY Error ppb	PRIMARY Error %	BACKUP DAS ppb	BACKUP Error ppb	BACKUP Error %
17	0	0	0	---	---	---	---
89	82	87	5	6.1	---	---	---
177	181	185	4	2.2	---	---	---
409	442	442	0	0.0	---	---	---
Mean Absolute Errors:			2	2.77		NA	NA

LIMITS: m = >1 +/-0.1, and b = >+/-2% FS, and r = <0.9950

COMMENT: Station does not have chart recorder as backup system.

This is the initial calibration of a replacement ozone analyzer for this site. The original unit, SN 2052, failed on 6/11. No "As Found" calibration could be performed because the analyzer's response was a constant 150 regardless of input. Problem was traced to a faulty timing card. See Maintenance/Malfunction report for details.

LINEAR REGRESSIONS	Primary	Backup
Slope, m:	0.9959	NA
Intercept, b:	2.971	NA
Corr.,r:	0.9999	NA

Results are: As Found (Mark X) As Left XX

	Primary	Backup
Pass/Fail:	PASS	NA

1 HORIZONTAL WIND SPEED CALIBRATION REPORT

Station: QUARTZITE Date: 5/26/95 Tech: D.JOHNSON
R.HILLESTAD

**** WIND SPEED SENSOR ****

Begin: 1110 PST Make: R.M.YOUNG Range: 0 to 44.7 mps
End: 1215 PST Model: 05305 Height: 10 m
SN#: 20408 Torque: 0.3 gm-cm

ANEMOMETER DRIVE MOTOR--> Make: R.M.YOUNG S/N: NA

	Input	Input		DAS			Chart		
Input	Value	Value	DVM	Stn	Error	Error	Stn	Error	Error
rpm	mps	mph	Volts	mps	mps	%	mph	mph	%
0	0.00	0.00	---	0.00	0.00	NA	---	---	---
700	3.43	7.67	---	3.39	-0.04	-1.2	---	---	---
2500	12.25	27.40	---	12.10	-0.15	-1.2	---	---	---
7000	34.30	76.73	---	33.90	-0.40	-1.2	---	---	---
			Mean Absolute Error:		0.15	1.2		NA	NA

LIMITS: >+/-0.2 mps error for speeds <5 mps; >+/-5% of input >5 mps;
>2.5 mps error per point; >0.90 gm-cm starting torque threshold.

COMMENT: WS starting torque threshold = 0.28 mps.

Station does not have chart recorder as backup system.

Results are:		DAS	Chart
(Mark X)	As Found INITIAL CALIB	Pass/Fail:	
	As Left XX	PASS	NA

HORIZONTAL WIND DIRECTION CALIBRATION REPORT

Station: QUARTZITE Date: 5/26/95 Tech: D.JOHNSON

**** WIND DIRECTION SENSOR ****

Begin: 1220 PST Make: R.M.YOUNG Range: 0 to 540 deg
End: 1348 PST Model: 05305 Height: 10 m
SN#: 20408 Torque: 6.0 gm-cm

Magnetic Dec: 13.9 deg E (GEOMAG 5/95) North Align. Error: 0.0 deg

	Gen. Dir.	Input Value Deg.	DVM Volts	DAS Stn Deg.	DAS Error Deg.	Chart Stn Deg.	Chart Error Deg.
	North	10.0	---	11.0	1.0	---	---
	East	90.0	---	91.0	1.0	---	---
	South	180.0	---	180.0	0.0	---	---
cw	West	270.0	---	270.0	0.0	---	---
	North	350.0	---	351.0	1.0	---	---
	East	270.0	---	270.0	0.0	---	---
	South	180.0	---	180.0	0.0	---	---
	East	90.0	---	90.6	0.6	---	---
ccw	North	45.0	---	45.1	0.1	---	---
	Mean Absolute Error:				0.4		NA

LIMITS: >+/-3 deg from T.N.(alignment); >+/-5 deg error per input point;
>+/-3 deg Mean Abslt Error (linearity); >9.0 gm-cm start torque.

COMMENT: WD starting torque threshold = 0.40 mps.

Station does not have chart recorder as backup system.

			DAS	Chart
Results are: (Mark X)	As Found	INITIAL CALIB.		
	As Left	XX	Pass/Fail: PASS	NA

AMBIENT TEMPERATURE CALIBRATION REPORT

Station: QUARTZITE Date: 5/26/95 Tech: D.JOHNSON

**** AMBIENT TEMPERATURE PROBE ****

Begin: 1355 PST Make: CAMPBELL SCI. Range: -30 to +50 C
End: 1430 PST Model: 107 Hgt.: 6.5 m
SN#: NA

CALIBRATION THERMOMETER-> Make: VWR SN#: 92-14453

			DAS			Chart			
Water Bath	Input Deg.C	DVM Volts	Stn deg C	Error deg C	Error %	Stn div	Stn deg C	Error deg C	Error %
Ice	5.0	---	4.9	-0.1	NA	---	---	---	---
Cool	23.7	---	23.6	-0.1	-0.4	---	---	---	---
Hot	42.8	---	42.8	0.0	0.0	---	---	---	---
Mean Absolute Error:				0.07	0.20			NA	NA

LIMIT: >+/-0.5 C error per input point.

COMMENT: Station does not have chart recorder backup system.

Results are:	As Found	INITIAL CALIB.		DAS Chart
(Mark X)	As Left	XX	Pass/Fail:	PASS NA

OZONE MULTIPOINT CALIBRATION REPORT ("As Found")

Station: QUARTZITE Date: 6/11/95 Tech: D.JOHNSON

**** STATION OZONE ANALYZER ****

Begin: 0706 PST Make: DASIBI SN#: 2522
End: 0808 PST Model: 1003 AH Range: 0-500 ppb

Span#: 61.550 Samp.Freq.(40-48 kHz): 42.319
Offset#: 4 Cont.Freq.(21-28 kHz): 26.086

**** OZONE TRANSFER STANDARD ****

Make: DASIBI Model: 1003 PC SN#: 1871
Range: 0-500 ppb Span#: 52.550 Offset#: 4

Cert. Date: 4/20/95 Samp.Freq.(40-48 kHz): 49.849
Slope: 1.0002 Cont.Freq.(21-28 kHz): 24.350
Inter.: 0.5750 Cell Temperature, C: 41.000
Bar. Pressure, mmHg: 648.00
STP Correction Factor: 1.1727

Avg. T.Std Dsply ppb	Audit T.Std. Value ppb	PRIMARY DAS ppb	PRIMARY Error ppb	PRIMARY Error %	BACKUP DAS ppb	BACKUP Error ppb	BACKUP Error %
16	0	-9	-9	---	---	---	---
90	87	80	-7	-8.0	---	---	---
404	456	462	6	1.3	---	---	---
---	---	---	---	---	---	---	---
Mean Absolute Errors:			7	4.65		NA	NA

LIMITS: m = >1 +/-0.1, and b = >+/-2% FS, and r = <0.9950

COMMENT: O3 line loss at NA ppb is NA %

This 3-point calibration is "AS FOUND". Adjustments were made and are reported on the "AS LEFT" calib.

LINEAR REGRESSIONS

	Primary	Backup
Slope, m:	1.0336	NA
Intercept, b:	-9.412	NA
Corr.,r:	1.0000	NA

	Primary	Backup
Pass/Fail:	PASS	NA

OZONE MULTIPOINT CALIBRATION REPORT ("As Left")

Station: QUARTZITE Date: 6/11/95 Tech: D.JOHNSON

**** STATION OZONE ANALYZER ****

Begin: 0809 PST Make: DASIBI SN#: 2522
End: 0900 PST Model: 1003 AH Range: 0-500 ppb

Span#: 61.550 Samp.Freq.(40-48 kHz): 41.776
Offset#: 4 Cont.Freq.(21-28 kHz): 25.845

**** OZONE TRANSFER STANDARD ****

Make: DASIBI Model: 1003 PC SN#: 1871
Range: 0-500 ppb Span#: 52.550 Offset#: 4

Cert. Date: 4/20/95 Samp.Freq.(40-48 kHz): 49.786
Slope: 1.0002 Cont.Freq.(21-28 kHz): 24.395
Inter.: 0.5750 Cell Temperature, C: 41.000
Bar. Pressure, mmHg: 648.00
STP Correction Factor: 1.1727

Avg. T.Std Dsply ppb	Audit T.Std. Value ppb	PRIMARY DAS ppb	PRIMARY Error ppb	PRIMARY Error %	BACKUP DAS ppb	BACKUP Error ppb	BACKUP Error %
16	0	1	1	---	---	---	---
88	85	84	-1	-1.2	---	---	---
175	187	187	0	0.0	---	---	---
386	435	433	-2	-0.5	---	---	---
Mean Absolute Errors:			1	0.57		NA	NA

LIMITS: m = >1 +/-0.1, and b = >+/-3% FS, and r = <0.9950

COMMENT: O3 line loss at 435 ppb is -0.95 %

This multipoint calibration is "AS LEFT".

LINEAR REGRESSIONS

	Primary	Backup
Slope, m:	0.9944	NA
Intercept, b:	0.499	NA
Corr.,r:	0.9999	NA

	Primary	Backup
Pass/Fail:	PASS	NA

1

HORIZONTAL WIND SPEED CALIBRATION REPORT

Station: SHADOW MT. Date: 5/28/95 Tech: D.JOHNSON
R.HILLESTAD

**** WIND SPEED SENSOR ****

Begin: 1149 PST Make: R.M.YOUNG Range: 0 to 44.7 mps
End: 1350 PST Model: 05305 Height: 10 m
SN#: 20404 Torque: 0.2 gm-cm

ANEMOMETER DRIVE MOTOR--> Make: R.M.YOUNG S/N: NA

Input rpm	Input Value mps	Input Value mph	DVM Volts	DAS Stn mps	DAS Error mps	DAS Error %	Chart Stn mph	Chart Error mph	Chart Error %
0	0.00	0.00	---	0.00	0.00	NA	---	---	---
700	3.43	7.67	---	3.43	0.00	0.0	---	---	---
2500	12.25	27.40	---	12.20	-0.05	-0.4	---	---	---
7000	34.30	76.73	---	34.20	-0.10	-0.3	---	---	---
		Mean Absolute Error:			0.04	0.2		NA	NA

LIMITS: >+/-0.2 mps error for speeds <5 mps; >+/-5% of input >5 mps;
>2.5 mps error per point; >0.90 gm-cm starting torque threshold.

COMMENT: WS starting torque threshold = 0.23 mps.
Bearings are OK.

Station does not have chart recorder as backup system.

Results are: (Mark X)		DAS	Chart
	As Found INITIAL CALIB.		
	As Left XX	Pass/Fail: PASS	NA

HORIZONTAL WIND DIRECTION CALIBRATION REPORT

Station: SHADOW MT. Date: 5/28/95 Tech: D.JOHNSON
R.HILLESTAD

**** WIND DIRECTION SENSOR ****

Begin: 1204 PST Make: R.M.YOUNG Range: 0 to 540 deg
End: 1402 PST Model: 05305 Height: 10 m
SN#: 20404 Torque: 6.0 gm-cm

Magnetic Dec: 14.0 deg E (GEOMAG 5/95) North Align. Error: 0.0 deg

	Gen. Dir.	Input Value Deg.	Input DVM Volts	DAS Stn Deg.	DAS Error Deg.	Chart Stn Deg.	Chart Error Deg.
	North	10.0	---	11.0	1.0	---	---
	East	90.0	---	90.4	0.4	---	---
	South	180.0	---	179.0	-1.0	---	---
cw	West	270.0	---	269.0	-1.0	---	---
	North	350.0	---	349.0	-1.0	---	---
	East	90.0	---	89.7	-0.3	---	---
	South	180.0	---	179.0	-1.0	---	---
	East	90.0	---	89.7	-0.3	---	---
ccw	North	10.0	---	10.0	0.0	---	---
	Mean Absolute Error:				0.7		NA

LIMITS: >+/-3 deg from T.N.(alignment); >+/-5 deg error per input point;
>+/-3 deg Mean Abslt Error (linearity); >9.0 gm-cm start torque.

COMMENT: WD starting torque threshold = 0.40 mps.
Bearings OK.

Station does not have chart recorder as backup system.

		DAS	Chart
Results are: (Mark X)	As Found INITIAL CALIB.		
	As Left XX	Pass/Fail: PASS	NA

AMBIENT TEMPERATURE CALIBRATION REPORT

Station: SHADOW MT. Date: 5/28/95 Tech: D.JOHNSON
R.HILLESTAD

**** AMBIENT TEMPERATURE PROBE ****

Begin: 1345 PST Make: CAMPBELL SCI. Range: -30 to +50 C
End: 1430 PST Model: 107 Hgt.: 8.5 m
SN#: NA

CALIBRATION THERMOMETER-> Make: VWR SN#: 92-14453

Water Bath	Input Deg.C	DVM Volts	DAS Stn deg C	DAS Error deg C	DAS Error %	Chart Stn div	Chart Stn deg C	Chart Error deg C	Chart Error %
Ice	2.0	---	1.9	-0.1	NA	---	---	---	---
Cool	24.4	---	24.3	-0.1	-0.4	---	---	---	---
Hot	44.0	---	44.1	0.1	0.2	---	---	---	---
Mean Absolute Error:				0.10	0.30			NA	NA

LIMIT: >+/-0.5 C error per input point.

COMMENT: Station does not have chart recorder backup system.

			DAS	Chart
Results are: (Mark X)	As Found	INITIAL CALIB.	Pass/Fail:	PASS	NA
	As Left	XX		

OZONE MULTIPOINT CALIBRATION REPORT

Station: SHADOW MT. Date: 6/11/95 Tech: D.JOHNSON

**** STATION OZONE ANALYZER ****

Begin: 1212 PST Make: DASIBI SN#: 1836
End: 1337 PST Model: 1003 AH Range: 0-500 ppb

Span#: 60.550 Samp.Freq.(40-48 kHz): 44.591
Offset#: 4 Cont.Freq.(21-28 kHz): 24.661

**** OZONE TRANSFER STANDARD ****

Make: DASIBI Model: 1003 PC SN#: 1871
Range: 0-500 ppb Span#: 52.550 Offset#: 4

Cert. Date: 4/20/95 Samp.Freq.(40-48 kHz): 49.070
Slope: 1.0002 Cont.Freq.(21-28 kHz): 24.035
Inter.: 0.5750 Cell Temperature, C: 46.00
Bar. Pressure, mmHg: 656.00
STP Correction Factor: 1.1769

Avg. T.Std Dsply ppb	Audit T.Std. Value ppb	PRIMARY DAS ppb	PRIMARY Error ppb	PRIMARY Error %	BACKUP DAS ppb	BACKUP Error ppb	BACKUP Error %
16	0	1	1	---	---	---	---
94	92	92	0	0.0	---	---	---
179	192	188	-4	-2.1	---	---	---
385	435	435	0	0.0	---	---	---
Mean Absolute Errors:		1	0.70			NA	NA

LIMITS: m = >1 +/-0.1, and b = >+/-2% FS, and r = <0.9950

COMMENT: O3 line loss at 445 ppb is -6.0 %

Station does not have chart recorder as backup system.

Results are "As Found". No adjustments needed prior to multipoint calibration.

	LINEAR REGRESSIONS Primary	Backup
Slope, m:	0.9978	NA
Intercept, b:	-0.360	NA
Corr.,r:	0.9999	NA

Results are: As Found XX (Mark X) As Left XX

	Primary	Backup
Pass/Fail:	PASS	NA

APPENDIX C

Data Quality Assurance (QA) Forms

SURFACE MEASUREMENTS QA FORM

Date: 8/18/95

Site ID: Baldy Mesa

Reviewer: DL

6/1 FROM 95 6/30 TO 95

Month/Day	Julian Date	Hour	Month/Day	Julian Date	Hour	Channel(s)	Flag	Reason
6/3	154	12 1100	6/3	154	21 2000	5 (O_3)	BM 989	Start of valid monitoring is 21 PST
6/7	158	10 0900	6/7	158	11 1000	5 (O_3)	CA 990	Calibration - 1
6/7	158	12 1100	—	—	—	5 (O_3)	—	Change value to 31
6/14	165	8 0700	—	—	—	5 (O_3)	—	Change value to 69
6/14	165	9 0800	6/14	165	11 1000	5 (O_3)	PA 996	audit - ARB
6/24	175	22 2100	6/24	175	23 2200	5 (O_3)	SC 998	2PS
6/3	154	12 1100	6/3	154	14 1300	6-10	CA 999	Prior to start of valid monitoring - calibrations
6/14	165	9 0800	6/14	165	11 1000	6-10	PA 996	audit - ARB

FORMGM1

T&B Tenus Inc

SURFACE MEASUREMENTS QA FORM

Date: 8/19/95

Site ID: Boron

Reviewer: DL

6/1 FROM 95 6/30 TO 95

Month/Day	Julian Date	Hour	Month/Day	Julian Date	Hour	Channel(s)	Flag	Reason
6/1	152	7 0600	6/1	152	14 1500	5 (O_3)	BM 989	Start valid monitoring
6/1	152	17 1600	6/4	155	7 0600	5	IM 992	Sample line leaking
6/7	158	16 1500	6/7	158	18 1700	5	CA 990	Calibration
6/15	166	19 1800	—	—	—	5	SC 998	ZPS
6/15	166	20 1900	—	—	—	5	—	Change value To 28
6/20	171	13 1200	6/20	171	15 1400	5	PA 996	audit - ARB
6/20	171	16 1500	—	—	—	5	—	change value To 68
6/25	176	14 1300	6/25	176	15 1400	5	SC 998	ZPS
6/27	178	21 2000	—	—	—	5	—	spike @ 1 period change value To 81
6/27	178	22 2100	—	—	—	5	IM 992	spiking for unknown reason
6/1	152	7 0600	6/1	152	14 1300	6-10	BM 989	Start of monitoring calibrations earlier
6/20	171	14 1300	6/20	171	15 1400	6-10	PA 996	audit - ARB

FORMGM1

T & B Systems Inc

SURFACE MEASUREMENTS QA FORM

6/1/95 → 6/30/95

Date: 8/22/95
Site ID: CATALINA IS.
Reviewer: DL
CATSURF

FROM			TO					
Month/Day	Julian Date	Hour	Month/Day	Julian Date	Hour	Channel(s)	Flag	Reason
6/15	166	~~18~~ 19				(All) 5-10	BM 989	
6/22	173	13 14	6/22	173	19 20	5	CA 990	Multipoint Calibration
6/22	173	14 15	6/22	173	15 16	6-10	CA	Multipoint Calibration
6/27	178	13 14	6/27	178	15 16	5	CA	Multipoint Calibration
6/15	166	18 19	6/27	178	13 14	5		Multiplier 1.091
								offset -45.0
								To adjust data
								using 6/27 Calibration

FORM GM 1

T&B Systems Inc.

SURFACE MEASUREMENTS QA FORM

Date: 8/19/95

Site ID: FLASH II

Reviewer: WRK

FLSWPS

FROM			TO (THRU)					
Month/Day	Julian Date	Hour	Month/Day	Julian Date	Hour	Channel(s)	Flag	Reason
06/10	161	17 15	06/10	161	19 20	5	CA 995	Multipoint Calib.
06/15	166	06 07	06/18	169	10 11	5	IM 992	
06/18	169	11 12	06/18	169	15 16	5	MT 994	Repair O3 Flow & Span
06/18	169	16 17	06/18	169	17 18	5	SC 992	ZPS
06/20	171	08 09	06/20	171	09 10	5	PA 996	ARB AUDIT
06/27	178	14 15	06/27	178	15 16	5	SC 998	ZPS
06/10	161	11 12	06/10	161	16 17	7, 8, 9, 10	IM 992	Wind Sensor inverted
06/10	161	17 18	06/10	161	19 20	7, 8, 9, 10	MT 994	Fix wind sensor mount.
06/20	171	08 09	06/20	171	09 10	6, 7, 8, 9, 10	PA 996	ARB AUDIT

FORMGM1

T & B Systems Inc

SURFACE MEASUREMENTS QA FORM

6/1 → 6/30/95

Date: 8/18/95

Site ID: Ludlow

Reviewer: DL

11 JUN 95

FROM			TO					
Month/Day	Julian Date	Hour	Month/Day	Julian Date	Hour	Channel(s)	Flag	Reason
6/10	161	13 1200	6/10	161	14 1300	5	CA 990	multipoint
6/10	161	15 1400	—	—	—	5	—	change To 54
6/15	166	13 1200	—	—	—	5	SC 998	ZPS
6/15	166	12 1100	—	—	—	5	—	change To 57
6/19	170	16 1500	6/19	170	19 1700	5 - 10	PA 996	audit - ARB
6/27	178	8 0700	6/27	178	10 0900	5	SC 998	ZPS
6/3	154	0436	6/3	154	0624	5	SF 997	Power outage
6/3	154	05	—	—	—	5	—	Recompute average
6/3	154	07	—	—	—	5		Recompute average

FORMGM1

T&B ← [illegible]

SURFACE MEASUREMENTS QA FORM

6/1/95 → 6/30/95

Date: 8/19/95
Site ID: Palmdale
Reviewer: DL

FROM			TO					
Month/Day	Julian Date	Hour	Month/Day	Julian Date	Hour	Channel(s)	Flag	Reason
6/11	162	1700 1600	6/11	162	1800 1700	5	CA 997	Multi point
6/11	162	19 1800	6/13	164	17 1600	5	IM 992	Analyzer Malfunction
6/13	164	18 1700	6/13	164	19 1800	5	CA	Multi point
6/14	165	13 1200	6/14	165	15 1400	5	PA 996	Audit - ARB
6/25	176	09 0800	—	—	—	5	—	change To 88
6/25	176	1000 0900	—	—	—	5	SC 997	ZPS
6/14	165	13 00 1200	6/14	165	1400 1300	6-10	PA 996	Audit - ARB

FORMGM1

T & B Systems Inc

[illegible] 1900 - 2000 [illegible]

SURFACE MEASUREMENTS QA FORM

6/1/95 → 6/30/95

Date: June 1995

Site ID: Quartzite

Reviewer: [illegible]

QUJUNGS.REV

FROM			TO					
Month/Day	Julian Date	Hour	Month/Day	Julian Date	Hour	Channel(s)	Flag	Reason
6/1	152	00	6/5	156	19 [illegible]	5	IM [illegible]	analyzer malfunction
6/5	156	22 [23]	6/6	157	03 [illegible]	5	IM	"
6/7	158	03 [04]	6/7	158	03 [04]	5		hr ave = 19.8 (3 pts off)
	158	04 [05]		158	04 [05]	5	IM	analyzer malfunction
	158	22 [23]		158	22 [23]	5		hr ave = 16.5 (4 pts off)
6/8	159	20 [21]	6/8	159	20 [21]	5		hr ave = 34.1 (2 pts off)
6/9	160	17 [18]	6/9	160	17 [18]	5		hr ave = 51.1 (1 pt off)
6/10	161	11 [12]	6/10	161	11 [12]	5		hr ave = 69.2 (1 pt off)
6/11	162	06 [07]	6/11	162	09 [10]	5	CA [illegible]	multiple calibration
	162	21 [22]		162	21 [22]	5		hr ave = 79.3 (1 pt off)
	162	22 [23]		162	22 [23]	5		hr ave = 82.4 (2 pts off)
	162	23 [24]		162	23 [24]	5		hr ave = 84.5 (2 pts off)
6/12	163	14 [15]	6/12	163	14 [15]	5		hr ave = 87.7 (1 pt off)
6/14	165	10 [11]	6/14	165	10 [11]	5		hr ave = 76.8 (3 pts off)
	165	11 [12]		165	11 [12]	5	CA [illegible]	calibration
6/15	166	08 [09]	6/15	166	08 [09]	5		hr ave = 36
	166	09 [10]		166	11 [2]	5	PA [illegible]	AUDIT - ARB
6/16	167	17 [18]	6/17	168	04 [05]	5	SF [illegible]	power outage
6/17	168	05 [illegible]	6/17	168	05 [06]	5		hr ave = 26.4 (1 pt off)
6/20	171	07 [08]	6/20	171	07 [08]	5		hr ave = 34.3 (1 pt off)
6/21	172	09 [10]	6/21	172	09 [10]	5		hr ave = 46.0 (1 pt off)

MGM1

T&B Systems Inc

SURFACE MEASUREMENTS QA FORM

Date: June 1995
Site ID: Quartzite
Reviewer: JP

FROM			TO					
Month/Day	Julian Date	Hour	Month/Day	Julian Date	Hour	Channel(s)	Flag	Reason
6/21	172	22 23	6/21	172	22 23	5		hr ave = 65.6 (1 pt ✓) ✓
6/24	175	09 10	6/24	175	09 10	5		hr ave = 71.2 (1 pt ✓) ✓
6/26	177	07 08	6/26	177	07 08	5		hr ave = 64.6 (1 pt off) ✓
6/27	178	01 02	6/27	178	01 02	5		hr ave = 81.7 (1 pt ✓) ✓
	178	12 13		178	12 13	5		hr ave = 60.6 (1 pt ✓) ✓
6/28	179	01 02	6/28	179	01 02	5		hr ave = 72.0 (1 pt ✓) ✓
	179	07 08		179	10 11	5	SC 998	285 ✓
	179	11 12		179	11 12	5		hr ave = 32.3 (2 pts ✓) ✓
6/30	181	05 06	6/30	181	05 06	5		hr ave = 57.3 (3 pts ✓) ✓
	181	07 07		181	24	5	IM 902	analyze malfunction ✓
6/15	166	09 10	6/15	166	10 11	6-10	PA 997	Audit - ARC ✓
6/5	156	20 21	6/11	162	05 06	5	—	multiplier = 0.968 ✓
								offset = + 9 JP

FORMGM1

T&B Systems Inc

CARB LIBRARY
13190

SURFACE MEASUREMENTS QA FORM

Date: 08/19/95
Site ID: SHADOW MT
Reviewer: WRK

FROM			TO (THRU)					
Month/Day	Julian Date	Hour	Month/Day	Julian Date	Hour	Channel(s)	Flag	Reason
06/11	162	12 [13]	06/11	162	13 [14]	5	CA 990	Multipoint Calib.
06/14	165	16 [17]	06/14	165	17 [18]	5	CA	Mutipoint Calib.
06/15	166	14 [15]	06/15	166	16 [17]	5	PA 996	ARB Audit
06/28	179	17 [18]	06/28	179	18 [19]	5	SC 998	ZPS
06/15	166	14 [15]	06/15	166	16 [17]	6,7,8,9,10	PA	ARB Audit

FORMGM1

T&B's Engineering