MONITORING IN OZONE TRANSPORT CORRIDORS

# Monthly Data Report
# August 1, 1995 through August 31, 1995

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## 1. Overview

The following is the third 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 from August 1, 1995 to August 31, 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 with a focus on the major transport corridors from the Los Angeles Basin. The project network comprises 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 that 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 that 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.

The only significant loss of ozone data occurred at FlashII Mtn. on August 7-8 due to an instrument malfunction.

Exceedances of the State standard were measured at all the sites in the project network except Ludlow. The Districts' sites in the Mojave Desert, including Barstow, all exceeded the State's standard on a number of days. (It is not known if this were the case at the city of Mojave site as that data has not been received.)

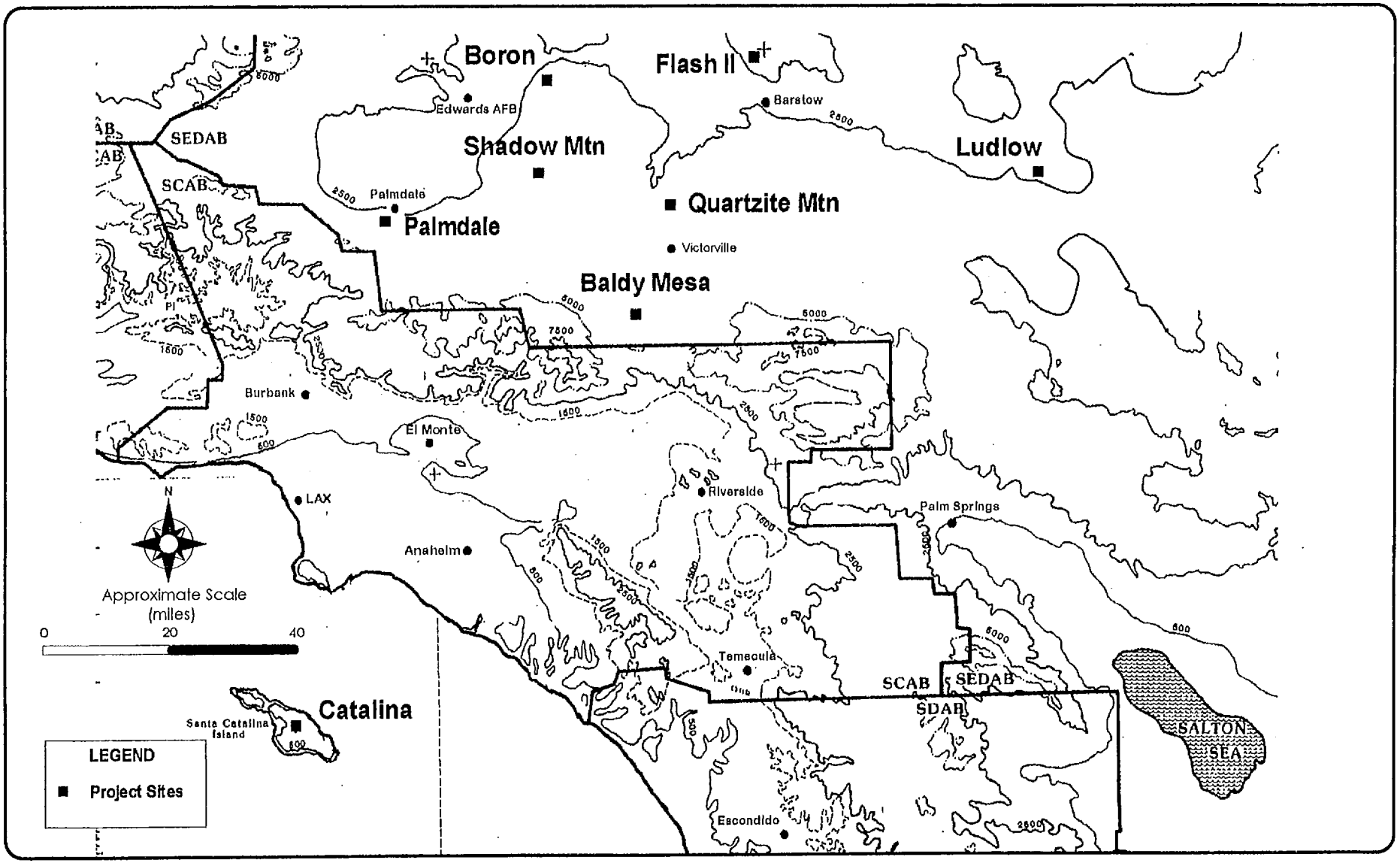


Fig. 1 Project Site Locations

Table 1 gives the number of hours and days that hourly-averaged ozone concentrations exceeded the State's standard at the sites within the project network. The maximum concentrations experienced and the days on which the maximum occurred are also given.

Table 1 Number of Hours and Days the State Standard for Ozone was Exceeded During August 95

| Site | # Hours | # Days | Maximum (ppb) | Date of Maximum |
|---|---|---|---|---|
| Baldy Mesa | 110 | 23 | 210 | 1 |
| Boron | 6 | 4 | 102 | 4 |
| Catalina | 16 | 5 | 153 | 8 |
| FlashII Mtn. | 4 | 1 | 101 | 4 |
| Ludlow | 0 | 0 | 86 | 19 |
| SE Palmdale | 74 | 19 | 170 | 18 |
| Quartzite Mtn. | 50 | 15 | 162 | 1 |
| Shadow Mtn. | 27 | 10 | 132 | 19 |

The number of exceedance days in August was nearly the same as in July, but the number of hours was significantly less.

Baldy Mesa and Quartzite Mtn. experienced their highest levels to date on August 1 (210 ppb and 162 ppb, respectively). It should be noted that 183 ppb was measured at the George AFB lidar site on August 1.

FlashII Mtn. ozone exceeded the State standard for the first time on August 4.

Generally, the exceedances at the desert sites occurred in the late afternoon and evening hours. A notable exception occurred on August 19 when peak ozone levels were experienced in early to midmorning. At the elevated sites (Quartzite and Shadow Mtns.),

maximums occurred at 01-02 PST, and high levels persisted until about 08 PST. The project surface sites at Ludlow, Boron, and Palmdale experienced daily maximums between 08-10 PST. This was also the case for the Districts' sites at Barstow and Lancaster. The latter four sites all exceeded the State standard.

A number of Phelan daily maximums on exceedance days occurred earlier than at Baldy Mesa or Palmdale (August 5, 9-10). These days warrant further investigation.

Catalina Island again experienced exceedances of the State's standard -- on five days in August. On the evening of the 8-9th, over half of the monthly total hours of exceedances occurred.

The wind statistics for the month of August were nearly the same as for July, although there was a slight increase in easterly flow at the northern sites -- Boron, FlashII Mtn. and Ludlow.

A synopsis of operations during the reporting period is presented in Section 2. The quality control (QC) and assurance 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 - A multipoint calibration was performed on ozone August 8. Zero precision span (ZPS) checks were performed August 16 and August 30. No problems were reported during the reporting period.

Boron - A multipoint calibration was performed on ozone August 9. Zero precision span (ZPS) checks were performed August 18 and August 31. Shelter temperature maximums were inexplicably high (38-40°C) on August 19-21. Otherwise, there were no problems encountered during the reporting period.

Catalina Island - A multipoint calibration was performed on ozone August 23. Zero precision span (ZPS) checks were performed August 2, August 7, and August 16. No problems were encountered during the reporting period.

FlashII Mtn. - A multipoint calibration was performed on ozone August 8. Zero precision span (ZPS) checks were performed August 17 and August 31. A blown fuse in the ozone analyzer resulted in a data loss lasting 36 hours (August 7-8). On a routine visit to the site on the 17th, it was noticed that the bracket securing the anemometer and wind vane had failed resulting in the sensor positioned upside down. For safety reasons, the problem could not be corrected until there were two persons at the site. A concerted effort was made during data validation to determine when the bracket failed. Direction (along the north-south axis) would be 180 degrees off due to this condition, and this was the key factor looked at. It was concluded that the bracket failed shortly before the problem was noticed, when wind speeds were exceedingly strong.

Ludlow - A multipoint calibration was performed on ozone August 9. Zero precision span (ZPS) checks were performed August 18 and August 31. No problems were encountered during the reporting period.

S.E. Palmdale - A multipoint calibration was performed on ozone August 17. A zero precision span (ZPS) check was performed on August 20. The site lost commercial power for a short period (six hours) on August 14.

Quartzite Mtn. - A multipoint calibration was performed on ozone August 17. A zero precision span (ZPS) check was performed on August 20. No problems were encountered during the reporting period.

Shadow Mtn. - Multipoint calibrations were performed on ozone August 10. Zero precision span (ZPS) checks were performed August 19, and August 31. No problems were encountered during the reporting period.

## 3. Quality Control and Assurance Procedures

Quality control of the data begins with the standard operating procedures (SOP) 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 (August) 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 follows the header records. The format of the data frames is described in Table 2.

**Table 2. 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) |

Data that has been invalidated or is missing has been replaced with one of the codes listed in Table 3. These codes indicate the reason the data were invalidated or the causes of missing data.

**Table 3. 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), and shelter temperature 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
SITE NAME : Baldy Mesa
ELEVATION : 4250 feet
PARAMETER : Ozone (parts per billion)

LATITUDE : 34 degrees 23 minutes 20 seconds
LONGITUDE : 117 degrees 26 minutes 33 seconds

T & B SYSTEMS, INC.
MONTH : August
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 | 80 | 79 | 85 | 84 | 83 | 72 | 49 | 61 | 57 | 71 | 89 | 121 | 137 | 127 | 165 | 209 | 210 | 191 | 153 | 122 | 126 | 127 | 155 | 152 | 210 |
| 2 | 133 | 99 | 98 | 92 | 83 | 80 | 73 | 73 | 74 | 81 | 94 | 122 | 144 | 152 | 144 | 130 | 121 | 124 | 114 | 101 | 96 | 99 | 88 | 84 | 152 |
| 3 | 86 | 98 | 114 | 118 | 105 | 86 | 78 | 70 | 71 | 74 | 78 | 90 | 98 | 113 | 98 | 75 | 49 | 57 | 58 | 70 | 74 | 74 | 73 | 66 | 118 |
| 4 | 62 | 63 | 76 | 68 | 60 | 53 | 47 | 48 | 52 | 54 | 63 | 68 | 83 | 94 | 108 | 122 | 133 | 140 | 140 | 101 | 85 | 81 | 74 | 74 | 140 |
| 5 | 72 | 59 | 51 | 47 | 52 | 50 | 53 | 51 | 47 | 54 | 66 | 78 | 96 | 129 | 140 | 146 | 169 | 149 | 135 | 129 | 106 | 114 | 110 | 97 | 169 |
| 6 | 87 | 75 | 78 | 72 | 60 | 53 | 47 | 44 | 41 | 45 | 53 | 70 | 97 | 138 | 111 | 109 | 133 | 141 | 154 | 136 | 106 | 91 | 68 | 40 | 154 |
| 7 | 26 | 55 | 55 | 51 | 48 | 53 | 51 | 45 | 50 | 61 | 72 | 89 | 118 | 136 | 117 | 117 | 115 | 134 | 157 | 143 | 115 | 104 | 107 | 98 | 157 |
| 8 | 86 | 84 | 78 | 58 | 68 | 58 | 53 | 49 | 45 | 52 | 67 | 86 | 111 | 133 | [CA] | [CA] | 65 | 58 | 53 | 54 | 58 | 59 | 49 | 55 | |
| 9 | 59 | 53 | 54 | 54 | 52 | 54 | 51 | 50 | 52 | 53 | 59 | 67 | 74 | 78 | 86 | 87 | 95 | 93 | 87 | 96 | 90 | 86 | 89 | 78 | 96 |
| 10 | 85 | 90 | 99 | 100 | 92 | 83 | 73 | 68 | 68 | 63 | 63 | 70 | 80 | 95 | 109 | 115 | 97 | 79 | 73 | 70 | 66 | 65 | 62 | 58 | 115 |
| 11 | 51 | 46 | 42 | 39 | 42 | 49 | 54 | 49 | 42 | 44 | 47 | 52 | 59 | 82 | 101 | 85 | 92 | 84 | 70 | 59 | 48 | 40 | 33 | 41 | 101 |
| 12 | 45 | 48 | 46 | 46 | 47 | 42 | 38 | 37 | 40 | 44 | 53 | 58 | 47 | 67 | 56 | 52 | 49 | 37 | 50 | 66 | 74 | 73 | 74 | 69 | 74 |
| 13 | 51 | 44 | 45 | 42 | 39 | 33 | 33 | 33 | 34 | 41 | 49 | 73 | 105 | 107 | 80 | 82 | 81 | 76 | 57 | 44 | 43 | 45 | 46 | 48 | 107 |
| 14 | 51 | 53 | 54 | 50 | 51 | 53 | 53 | 53 | 53 | 54 | 53 | 52 | 67 | 73 | 70 | 47 | 40 | 43 | 44 | 56 | 48 | 47 | 48 | 47 | 73 |
| 15 | 49 | 44 | 37 | 42 | 42 | 42 | 41 | 45 | 46 | 50 | 65 | 78 | 78 | 86 | 86 | 88 | 89 | 109 | 106 | 70 | 63 | 60 | 58 | 66 | 109 |
| 16 | 66 | 65 | 69 | 73 | 71 | 66 | 62 | 64 | 71 | 73 | 70 | 74 | 67 | 75 | 77 | 81 | 73 | 72 | 48 | 40 | 39 | 35 | 32 | 31 | 81 |
| 17 | 45 | 57 | 62 | 65 | 55 | 51 | 50 | 48 | 45 | 50 | 62 | 70 | 86 | 92 | 93 | 94 | 107 | 84 | 46 | 58 | 55 | 53 | 48 | 46 | 107 |
| 18 | 38 | 38 | 39 | 39 | 39 | 40 | 41 | 39 | 42 | 47 | 55 | 64 | 72 | 79 | 80 | 93 | 106 | 88 | 89 | 86 | 80 | 96 | 100 | 107 | 107 |
| 19 | 107 | 96 | 74 | 76 | 78 | 75 | 65 | 56 | 41 | 43 | 47 | 48 | 50 | 46 | 54 | 66 | 83 | 88 | 110 | 81 | 87 | 91 | 84 | 86 | 110 |
| 20 | 88 | 84 | 75 | 68 | 56 | 48 | 45 | 41 | 34 | 35 | 42 | 53 | 64 | 68 | 76 | 49 | 37 | 48 | 67 | 58 | 58 | 57 | 56 | 51 | 88 |
| 21 | 47 | 43 | 28 | 23 | 13 | 41 | 43 | 43 | 40 | 38 | 38 | 52 | 64 | 76 | 75 | 89 | 126 | 132 | 133 | 84 | 63 | 68 | 69 | 60 | 133 |
| 22 | 67 | 68 | 66 | 62 | 55 | 45 | 43 | 61 | 71 | 73 | 71 | 61 | 55 | 61 | 74 | 64 | 62 | 70 | 63 | 62 | 60 | 61 | 62 | 63 | 74 |
| 23 | 68 | 74 | 75 | 72 | 63 | 61 | 61 | 46 | 41 | 45 | 42 | 48 | 59 | 58 | 63 | 61 | 59 | 51 | 44 | 48 | 57 | 46 | 43 | 37 | 75 |
| 24 | 32 | 30 | 30 | 28 | 20 | 24 | 22 | 28 | 28 | 31 | 36 | 38 | 44 | 55 | 51 | 46 | 44 | 38 | 26 | 25 | 23 | 24 | 22 | 14 | 55 |
| 25 | 21 | 25 | 26 | 27 | 27 | 26 | 30 | 35 | 40 | 47 | 55 | 69 | 83 | 93 | 96 | 83 | 62 | 45 | 47 | 52 | 45 | 27 | 32 | 33 | 96 |
| 26 | 30 | 27 | 24 | 27 | 29 | 30 | 28 | 24 | 26 | 32 | 41 | 50 | 55 | 72 | 83 | 83 | 108 | 95 | 83 | 86 | 88 | 94 | 85 | 65 | 108 |
| 27 | 54 | 50 | 56 | 62 | 59 | 58 | 62 | 56 | 53 | 47 | 54 | 62 | 65 | 75 | 77 | 61 | 64 | 74 | 46 | 34 | 33 | 35 | 37 | 39 | 77 |
| 28 | 37 | 36 | 36 | 37 | 36 | 36 | 36 | 33 | 33 | 36 | 45 | 49 | 62 | 78 | 82 | 101 | 88 | 53 | 51 | 39 | 53 | 65 | 44 | 50 | 101 |
| 29 | 49 | 66 | 65 | 62 | 57 | 51 | 51 | 41 | 38 | 44 | 54 | 70 | 80 | 103 | 87 | 94 | 81 | 68 | 67 | 66 | 75 | 86 | 94 | 93 | 103 |
| 30 | 88 | 77 | 62 | 58 | 49 | 39 | 37 | 33 | 35 | 41 | 52 | 74 | 102 | 124 | 88 | 65 | 48 | 66 | 97 | [SC] | [SC] | 92 | 72 | 55 | |
| 31 | 58 | 68 | 66 | 61 | 56 | 53 | 53 | 49 | 48 | 51 | 60 | 77 | 94 | 101 | 81 | 78 | 77 | 105 | 101 | 64 | 57 | 78 | 86 | 84 | 105 |
| AVG. | 62 | 61 | 60 | 58 | 54 | 52 | 49 | 47 | 47 | 51 | 58 | 69 | 80 | 92 | 90 | 89 | 89 | 87 | 83 | 73 | 69 | 70 | 68 | 64 | |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Boron

LATITUDE : 35 degrees 01 minutes 00 seconds

MONTH : August

ELEVATION : 2460 feet

LONGITUDE : 117 degrees 39 minutes 00 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 | 57 | 62 | 41 | 19 | 9 | 3 | 14 | 51 | 56 | 56 | 56 | 57 | 59 | 59 | 60 | 60 | 65 | 72 | 66 | 67 | 57 | 57 | 65 | 68 | 72 |
| 2 | 62 | 60 | 56 | 64 | 65 | 65 | 65 | 67 | 71 | 71 | 65 | 65 | 65 | 57 | 61 | 86 | 88 | 83 | 69 | 79 | 77 | 75 | 75 | 71 | 88 |
| 3 | 64 | 63 | 63 | 65 | 67 | 67 | 63 | 65 | 68 | 67 | 68 | 55 | 47 | 54 | 58 | 59 | 65 | 95 | 97 | 65 | 52 | 48 | 50 | 49 | 97 |
| 4 | 46 | 42 | 27 | 38 | 43 | 21 | 33 | 41 | 47 | 56 | 70 | 69 | 70 | 64 | 68 | 86 | 94 | 99 | 102 | 91 | 74 | 71 | 67 | 64 | 102 |
| 5 | 59 | 53 | 54 | 56 | 53 | 46 | 47 | 55 | 53 | 51 | 53 | 49 | 54 | 53 | 54 | 62 | 64 | 67 | 55 | 48 | 39 | 33 | 36 | 31 | 67 |
| 6 | 41 | 41 | 42 | 41 | 34 | 28 | 38 | 43 | 42 | 40 | 38 | 40 | 36 | 46 | 47 | 57 | 61 | 40 | 34 | 37 | 39 | 36 | 36 | 38 | 61 |
| 7 | 31 | 9 | 13 | 4 | 2 | 4 | 22 | 47 | 53 | 51 | 50 | 48 | 45 | 49 | 61 | 70 | 58 | 48 | 50 | 42 | 56 | 63 | 61 | 57 | 70 |
| 8 | 30 | 48 | 40 | 15 | 22 | 11 | 29 | 52 | 52 | 55 | 53 | 57 | 48 | 49 | 51 | 68 | 96 | 82 | 81 | 73 | 55 | 54 | 48 | 38 | 96 |
| 9 | 28 | 14 | 16 | 22 | 18 | 2 | 13 | 34 | 43 | 45 | 49 | 54 | 46 | 53 | 58 | 62 | 74 | [CA] | [CA] | [CA] | 71 | 63 | 52 | 58 | |
| 10 | 52 | 34 | 18 | 24 | 53 | 42 | 38 | 45 | 53 | 58 | 58 | 55 | 48 | 42 | 42 | 48 | 56 | 57 | 50 | 54 | 69 | 74 | 72 | 63 | 74 |
| 11 | 52 | 48 | 25 | 18 | 19 | 10 | 33 | 52 | 55 | 52 | 51 | 56 | 54 | 54 | 61 | 74 | 78 | 71 | 64 | 68 | 71 | 71 | 62 | 57 | 78 |
| 12 | 53 | 44 | 22 | 11 | 7 | 7 | 19 | 42 | 38 | 41 | 46 | 45 | 45 | 51 | 60 | 68 | 59 | 66 | 58 | 60 | 51 | 39 | 53 | 63 | 68 |
| 13 | 40 | 33 | 28 | 25 | 34 | 49 | 53 | 55 | 51 | 44 | 42 | 44 | 41 | 39 | 46 | 65 | 85 | 79 | 54 | 52 | 47 | 47 | 56 | 62 | 85 |
| 14 | 61 | 58 | 58 | 55 | 51 | 39 | 39 | 56 | 64 | 62 | 58 | 54 | 50 | 50 | 62 | 67 | 74 | 72 | 59 | 63 | 64 | 64 | 63 | 64 | 74 |
| 15 | 59 | 55 | 55 | 57 | 56 | 52 | 47 | 58 | 67 | 69 | 72 | 72 | 71 | 62 | 65 | 70 | 85 | 82 | 73 | 72 | 69 | 65 | 55 | 52 | 85 |
| 16 | 53 | 52 | 51 | 51 | 39 | 55 | 53 | 57 | 58 | 65 | 71 | 74 | 72 | 73 | 80 | 89 | 92 | 84 | 77 | 61 | 50 | 48 | 51 | 53 | 92 |
| 17 | 52 | 52 | 44 | 37 | 36 | 33 | 35 | 37 | 40 | 42 | 44 | 43 | 43 | 40 | 42 | 46 | 47 | 44 | 42 | 43 | 46 | 38 | 37 | 37 | 52 |
| 18 | 37 | 35 | 36 | 37 | 39 | 36 | 35 | 43 | 47 | 52 | 55 | 56 | 59 | 57 | 56 | 57 | 54 | [SC] | 47 | 74 | 81 | 77 | 75 | 57 | |
| 19 | 43 | 62 | 51 | 25 | 11 | 11 | 41 | 85 | 96 | 94 | 89 | 70 | 59 | 63 | 58 | 48 | 54 | 77 | 73 | 59 | 50 | 48 | 46 | 46 | 96 |
| 20 | 45 | 31 | 32 | 22 | 26 | 21 | 27 | 37 | 37 | 38 | 37 | 38 | 41 | 40 | 40 | 42 | 42 | 41 | 38 | 39 | 39 | 27 | 22 | 32 | 45 |
| 21 | 23 | 22 | 23 | 23 | 20 | 21 | 25 | 42 | 47 | 47 | 54 | 56 | 54 | 52 | 51 | 48 | 47 | 50 | 45 | 37 | 29 | 33 | 33 | 18 | 56 |
| 22 | 27 | 17 | 11 | 21 | 27 | 20 | 19 | 37 | 50 | 60 | 65 | 62 | 58 | 59 | 58 | 61 | 64 | 81 | 85 | 59 | 65 | 63 | 55 | 53 | 85 |
| 23 | 49 | 44 | 39 | 26 | 6 | 6 | 19 | 39 | 39 | 40 | 45 | 46 | 51 | 50 | 59 | 62 | 75 | 60 | 40 | 33 | 34 | 30 | 30 | 26 | 75 |
| 24 | 24 | 19 | 9 | 3 | 3 | 3 | 6 | 27 | 28 | 30 | 30 | 32 | 33 | 35 | 46 | 68 | 61 | 45 | 43 | 40 | 41 | 46 | 43 | 42 | 68 |
| 25 | 42 | 50 | 49 | 48 | 28 | 23 | 19 | 47 | 50 | 48 | 46 | 40 | 40 | 43 | 53 | 64 | 76 | 59 | 51 | 47 | 45 | 45 | 50 | 55 | 76 |
| 26 | 53 | 39 | 33 | 51 | 52 | 41 | 27 | 40 | 37 | 39 | 43 | 43 | 38 | 48 | 51 | 55 | 57 | 59 | 63 | 57 | 52 | 53 | 50 | 51 | 63 |
| 27 | 56 | 58 | 64 | 57 | 48 | 26 | 20 | 51 | 54 | 45 | 42 | 42 | 37 | 37 | 38 | 43 | 56 | 71 | 74 | 54 | 38 | 26 | 45 | 55 | 74 |
| 28 | 55 | 33 | 12 | 10 | 1 | 3 | 15 | 50 | 49 | 46 | 44 | 44 | 45 | 37 | 37 | 40 | 46 | 42 | 23 | 18 | 36 | 52 | 51 | 50 | 55 |
| 29 | 49 | 38 | 50 | 57 | 43 | 4 | 27 | 57 | 60 | 59 | 54 | 53 | 39 | 33 | 31 | 36 | 48 | 45 | 37 | 32 | 21 | 38 | 38 | 39 | 60 |
| 30 | 40 | 37 | 42 | 38 | 23 | 7 | 13 | 38 | 43 | 38 | 32 | 30 | 37 | 35 | 37 | 43 | 60 | 50 | 46 | 48 | 38 | 46 | 42 | 43 | 60 |
| 31 | 40 | 17 | 2 | 2 | 3 | 2 | 5 | 28 | 40 | 40 | 42 | 42 | 45 | 52 | 51 | 57 | 62 | 56 | 46 | [SC] | 37 | 37 | 35 | 30 | |
| AVG. | 46 | 41 | 36 | 33 | 30 | 24 | 30 | 48 | 51 | 52 | 52 | 51 | 49 | 50 | 53 | 60 | 66 | 65 | 58 | 54 | 51 | 50 | 50 | 49 | |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Catalina Airport

LATITUDE : 33 degrees 24 minutes 00 seconds

MONTH : August

ELEVATION : 1602 feet

LONGITUDE : 118 degrees 24 minutes 30 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 | 30 | 36 | 36 | 34 | 35 | 35 | 30 | 28 | 29 | 29 | 31 | 31 | 32 | 28 | 27 | 27 | 26 | 25 | 25 | 26 | 28 | 29 | 28 | 32 | 36 |
| 2 | 52 | 57 | 60 | 62 | 69 | 69 | 71 | 72 | 71 | 68 | 71 | 70 | 64 | 66 | 67 | 61 | 74 | 76 | 84 | 91 | 83 | 99 | 120 | 101 | 120 |
| 3 | 86 | 84 | 83 | 75 | 67 | 68 | 73 | 74 | 59 | 43 | 43 | 59 | 77 | 62 | 68 | 54 | 73 | 81 | 75 | 80 | 79 | 77 | 64 | 74 | 86 |
| 4 | 83 | 81 | 74 | 65 | 69 | 65 | 68 | 63 | 42 | 38 | 41 | 44 | 41 | 46 | 48 | 47 | 35 | 32 | 35 | 35 | 33 | 38 | 56 | 84 | 84 |
| 5 | 78 | 58 | 54 | 54 | 58 | 44 | 54 | 54 | 50 | 44 | 44 | 40 | 44 | 56 | 66 | 54 | 39 | 35 | 31 | 28 | 31 | 31 | 35 | 60 | 78 |
| 6 | 43 | 30 | 33 | 32 | 33 | 33 | 33 | 34 | 33 | 34 | 35 | 35 | 36 | 33 | 34 | 31 | 32 | 32 | 35 | 38 | 37 | 39 | 34 | 33 | 43 |
| 7 | 32 | 32 | 31 | 32 | 32 | 32 | 31 | 29 | 30 | 32 | 33 | [SC] | [SC] | 36 | 34 | 33 | 36 | 38 | 37 | 37 | 42 | 41 | 37 | 37 | |
| 8 | 38 | 40 | 42 | 40 | 39 | 40 | 40 | 44 | 48 | 42 | 37 | 37 | 37 | 42 | 42 | 53 | 69 | 84 | 94 | 121 | 146 | 128 | 153 | 144 | 153 |
| 9 | 142 | 102 | 85 | 84 | 92 | 98 | 98 | 81 | 68 | 58 | 56 | 54 | 53 | 56 | 58 | 65 | 62 | 55 | 46 | 45 | 49 | 46 | 50 | 52 | 142 |
| 10 | 52 | 48 | 50 | 53 | 52 | 53 | 51 | 37 | 32 | 34 | 36 | 35 | 36 | 38 | 40 | 47 | 51 | 61 | 63 | 97 | 100 | 87 | 71 | 75 | 100 |
| 11 | 68 | 77 | 80 | 79 | 69 | 58 | 56 | 50 | 49 | 49 | 47 | 51 | 54 | 51 | 57 | 65 | 69 | 64 | 77 | 63 | 51 | 54 | 51 | 46 | 80 |
| 12 | 46 | 42 | 38 | 37 | 37 | 43 | 46 | 41 | 37 | 41 | 35 | 33 | 33 | 36 | 41 | 47 | 52 | 47 | 52 | 52 | 53 | 52 | 50 | 51 | 53 |
| 13 | 53 | 53 | 53 | 50 | 42 | 43 | 52 | 52 | 50 | 47 | 43 | 43 | 47 | 47 | 49 | 54 | 58 | 60 | 59 | 59 | 61 | 62 | 61 | 63 | 63 |
| 14 | 64 | 63 | 59 | 61 | 63 | 61 | 53 | 52 | 43 | 40 | 40 | 41 | 42 | 42 | 41 | 41 | 40 | 56 | 72 | 72 | 65 | 59 | 58 | 36 | 72 |
| 15 | 37 | 41 | 42 | 44 | 43 | 43 | 46 | 47 | 46 | 43 | 44 | 42 | 42 | 40 | 40 | 39 | 39 | 40 | 60 | 76 | 72 | 51 | 39 | 40 | 76 |
| 16 | 37 | 41 | 43 | 43 | 52 | 50 | 49 | 48 | 50 | 54 | 52 | [SC] | 41 | 35 | 31 | 29 | 28 | 28 | 29 | 28 | 30 | 30 | 29 | 23 | |
| 17 | 20 | 23 | 27 | 30 | 31 | 29 | 28 | 29 | 30 | 32 | 33 | 32 | 32 | 32 | 31 | 31 | 50 | 66 | 49 | 33 | 30 | 31 | 35 | 36 | 66 |
| 18 | 41 | 40 | 40 | 38 | 32 | 32 | 32 | 33 | 30 | 32 | 32 | 32 | 33 | 35 | 43 | 53 | 45 | 44 | 45 | 46 | 78 | 103 | 96 | 80 | 103 |
| 19 | 66 | 65 | 69 | 71 | 71 | 72 | 70 | 64 | 61 | 47 | 46 | 48 | 47 | 44 | 41 | 40 | 38 | 46 | 63 | 62 | 66 | 60 | 41 | 58 | 72 |
| 20 | 65 | 56 | 69 | 59 | 49 | 62 | 60 | 42 | 41 | 46 | 47 | 46 | 46 | 47 | 52 | 49 | 48 | 45 | 46 | 67 | 78 | 81 | 78 | 73 | 81 |
| 21 | 73 | 44 | 88 | 84 | 80 | 73 | 70 | 43 | 40 | 43 | 41 | 35 | 33 | 33 | 36 | 43 | 45 | 54 | 55 | 58 | 53 | 47 | 46 | 50 | 88 |
| 22 | 52 | 56 | 63 | 55 | 48 | 47 | 44 | 45 | 47 | 47 | 46 | 44 | 43 | 45 | 45 | 42 | 40 | 34 | 33 | 29 | 25 | 22 | 26 | 24 | 63 |
| 23 | 22 | 22 | 22 | 26 | 27 | 30 | 28 | 29 | 33 | 31 | 29 | [CA] | [CA] | [CA] | 25 | 25 | 26 | 27 | 28 | 28 | 32 | 38 | 39 | 37 | |
| 24 | 43 | 35 | 31 | 30 | 29 | 32 | 33 | 28 | 36 | 36 | 37 | 38 | 40 | 38 | 43 | 40 | 43 | 48 | 50 | 51 | 50 | 51 | 52 | 49 | 52 |
| 25 | 50 | 49 | 50 | 51 | 50 | 50 | 49 | 47 | 46 | 44 | 43 | 46 | 47 | 49 | 49 | 44 | 42 | 43 | 43 | 45 | 47 | 49 | 47 | 45 | 51 |
| 26 | 42 | 41 | 42 | 40 | 40 | 41 | 41 | 41 | 39 | 38 | 41 | 41 | 48 | 52 | 47 | 43 | 43 | 40 | 41 | 51 | 55 | 56 | 53 | 46 | 56 |
| 27 | 45 | 47 | 48 | 51 | 51 | 51 | 49 | 49 | 49 | 44 | 48 | 46 | 49 | 50 | 59 | 58 | 59 | 60 | 62 | 65 | 66 | 61 | 68 | 70 | 70 |
| 28 | 70 | 67 | 68 | 68 | 65 | 64 | 65 | 63 | 60 | 53 | 55 | 56 | 59 | 61 | 62 | 65 | 60 | 55 | 56 | 55 | 52 | 55 | 57 | 43 | 70 |
| 29 | 45 | 41 | 42 | 40 | 39 | 44 | 43 | 42 | 44 | 46 | 50 | 58 | 61 | 56 | 70 | 80 | 74 | 66 | 62 | 59 | 57 | 50 | 46 | 48 | 80 |
| 30 | 49 | 53 | 52 | 46 | 50 | 47 | 48 | 46 | 47 | 46 | 49 | 52 | 59 | [SC] | 61 | 58 | 60 | 68 | 65 | 57 | 62 | 69 | 69 | 64 | |
| 31 | 57 | 58 | 53 | 52 | 52 | 56 | 67 | 67 | 64 | 62 | 57 | 49 | 59 | 65 | 65 | 71 | 74 | 72 | 66 | 58 | 67 | 63 | 65 | 64 | 74 |
| AVG. | 54 | 51 | 53 | 51 | 51 | 50 | 51 | 48 | 45 | 43 | 43 | 44 | 46 | 45 | 47 | 48 | 49 | 51 | 53 | 55 | 57 | 57 | 57 | 56 | |

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 : August

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 | 72 | 68 | 65 | 63 | 63 | 63 | 60 | 62 | 63 | 65 | 67 | 62 | 64 | 66 | 70 | 72 | 70 | 81 | 76 | 61 | 59 | 58 | 59 | 63 | 81 |
| 2 | 65 | 65 | 61 | 59 | 60 | 58 | 63 | 63 | 67 | 80 | 83 | 84 | 79 | 68 | 54 | 68 | 81 | 80 | 74 | 72 | 61 | 52 | 51 | 50 | 84 |
| 3 | 56 | 46 | 52 | 57 | 59 | 61 | 61 | 62 | 65 | 69 | 68 | 52 | 40 | 41 | 54 | 76 | 82 | 76 | 56 | 43 | 46 | 59 | 57 | 48 | 82 |
| 4 | 43 | 50 | 47 | 41 | 47 | 47 | 46 | 44 | 46 | 46 | 49 | 53 | 55 | 57 | 73 | 87 | 101 | 99 | 82 | 81 | 100 | 98 | 78 | 63 | 101 |
| 5 | 43 | 39 | 39 | 44 | 39 | 47 | 46 | 44 | 46 | 48 | 45 | 39 | 41 | 37 | 32 | 34 | 41 | 46 | 44 | 53 | 56 | 44 | 37 | 34 | 56 |
| 6 | 36 | 34 | 37 | 35 | 35 | 34 | 34 | 35 | 34 | 37 | 37 | 31 | 28 | 31 | 38 | 39 | 47 | 52 | 49 | 43 | 33 | 35 | 36 | 37 | 52 |
| 7 | 37 | 37 | 36 | 34 | 33 | 35 | 38 | 38 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | |
| 8 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [CA] | [CA] | [CA] | 48 | |
| 9 | 44 | 40 | 39 | 41 | 44 | 45 | 33 | 35 | 39 | 41 | 43 | 47 | 49 | 52 | 59 | 65 | 67 | 77 | 80 | 73 | 70 | 67 | 71 | 63 | 80 |
| 10 | 60 | 56 | 50 | 50 | 47 | 46 | 45 | 62 | 52 | 44 | 39 | 28 | 33 | 34 | 31 | 37 | 43 | 64 | 59 | 38 | 34 | 44 | 61 | 66 | 66 |
| 11 | 67 | 65 | 63 | 63 | 63 | 60 | 63 | 62 | 59 | 53 | 48 | 43 | 45 | 52 | 52 | 52 | 52 | 41 | 44 | 41 | 35 | 49 | 46 | 43 | 67 |
| 12 | 45 | 44 | 41 | 36 | 30 | 34 | 31 | 37 | 48 | 47 | 53 | 63 | 57 | 48 | 48 | 47 | 56 | 62 | 41 | 34 | 44 | 47 | 41 | 36 | 63 |
| 13 | 25 | 23 | 24 | 27 | 37 | 42 | 56 | 63 | 65 | 48 | 42 | 48 | 45 | 36 | 32 | 41 | 52 | 60 | 77 | 60 | 53 | 49 | 55 | 52 | 77 |
| 14 | 58 | 56 | 58 | 61 | 55 | 55 | 54 | 59 | 60 | 60 | 57 | 49 | 54 | 53 | 49 | 57 | 63 | 76 | 65 | 38 | 31 | 26 | 25 | 38 | 76 |
| 15 | 33 | 33 | 37 | 24 | 42 | 43 | 50 | 42 | 51 | 59 | 71 | 69 | 78 | 67 | 82 | 75 | 83 | 91 | 78 | 74 | 78 | 84 | 69 | 54 | 91 |
| 16 | 54 | 58 | 61 | 51 | 55 | 59 | 53 | 53 | 59 | 62 | 58 | 51 | 53 | 60 | 53 | 71 | 83 | 93 | 85 | 78 | 65 | 59 | 52 | 43 | 93 |
| 17 | 37 | 38 | 38 | 38 | 35 | 33 | 36 | 33 | 39 | 43 | 39 | 39 | 23 | 27 | 31 | 53 | 63 | 48 | 45 | 41 | [SC] | 37 | 27 | 25 | |
| 18 | 22 | 24 | 23 | 20 | 20 | 20 | 27 | 46 | 25 | 29 | 35 | 37 | 36 | 32 | 32 | 37 | 40 | 42 | 39 | 36 | 45 | 50 | 72 | 67 | 72 |
| 19 | 59 | 57 | 59 | 62 | 56 | 59 | 58 | 60 | 63 | 57 | 55 | 46 | 47 | 48 | 61 | 55 | 49 | 43 | 38 | 76 | 71 | 62 | 57 | 53 | 76 |
| 20 | 48 | 48 | 43 | 35 | 31 | 30 | 30 | 32 | 33 | 32 | 27 | 28 | 28 | 27 | 28 | 27 | 27 | 25 | 25 | 24 | 27 | 30 | 30 | 29 | 48 |
| 21 | 29 | 30 | 30 | 27 | 25 | 23 | 18 | 20 | 25 | 25 | 30 | 35 | 35 | 35 | 36 | 31 | 27 | 29 | 33 | 31 | 29 | 30 | 20 | 27 | 36 |
| 22 | 29 | 27 | 23 | 19 | 20 | 20 | 18 | 22 | 24 | 28 | 35 | 34 | 41 | 51 | 53 | 35 | 53 | 51 | 53 | 73 | 75 | 57 | 39 | 39 | 75 |
| 23 | 34 | 47 | 43 | 42 | 42 | 45 | 43 | 44 | 47 | 50 | 47 | 58 | 57 | 51 | 42 | 41 | 44 | 61 | 66 | 68 | 57 | 48 | 33 | 28 | 68 |
| 24 | 23 | 22 | 24 | 23 | 23 | 25 | 23 | 20 | 22 | 25 | 27 | 30 | 31 | 32 | 34 | 45 | 46 | 50 | 65 | 37 | 34 | 31 | 27 | 38 | 65 |
| 25 | 45 | 44 | 44 | 44 | 44 | 46 | 45 | 46 | 46 | 43 | 41 | 40 | 41 | 40 | 45 | 53 | 62 | 71 | 61 | 40 | 41 | 36 | 37 | 40 | 71 |
| 26 | 36 | 36 | 33 | 35 | 39 | 38 | 38 | 37 | 34 | 34 | 33 | 30 | 33 | 33 | 38 | 44 | 49 | 47 | 49 | 44 | 37 | 31 | 46 | 50 | 50 |
| 27 | 49 | 50 | 56 | 63 | 66 | 64 | 55 | 60 | 51 | 45 | 41 | 32 | 34 | 32 | 35 | 27 | 38 | 45 | 51 | 58 | 44 | 45 | 49 | 45 | 66 |
| 28 | 41 | 41 | 41 | 51 | 46 | 43 | 48 | 36 | 38 | 37 | 30 | 28 | 29 | 28 | 33 | 37 | 39 | 48 | 37 | 30 | 36 | 33 | 29 | 35 | 51 |
| 29 | 41 | 44 | 46 | 47 | 46 | 51 | 53 | 53 | 54 | 51 | 47 | 41 | 39 | 30 | 25 | 30 | 33 | 52 | 30 | 27 | 25 | 27 | 28 | 29 | 54 |
| 30 | 32 | 35 | 37 | 37 | 39 | 40 | 40 | 37 | 35 | 30 | 23 | 20 | 23 | 25 | 28 | 31 | 32 | 46 | 67 | 90 | 52 | 31 | 27 | 26 | 90 |
| 31 | 39 | 43 | [SC] | 46 | 44 | 37 | 34 | 35 | 38 | 31 | 31 | 37 | 44 | 48 | 54 | 61 | 65 | 62 | 68 | 55 | 48 | 40 | 36 | 37 | |
| AVG. | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 45 | 46 | 45 | 45 | 43 | 43 | 43 | 45 | 49 | 55 | 59 | 57 | 52 | 49 | 47 | 45 | 44 | |

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 : August
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 | 43 | 30 | 25 | 28 | 27 | 29 | 42 | 45 | 53 | 64 | 64 | 65 | 66 | 60 | 60 | 62 | 55 | 62 | 70 | 74 | 69 | 46 | 44 | 37 | 74 |
| 2 | 30 | 30 | 29 | 24 | 31 | 31 | 37 | 50 | 62 | 65 | 65 | 68 | 71 | 74 | 74 | 68 | 66 | 60 | 48 | 68 | 48 | 42 | 32 | 25 | 74 |
| 3 | 19 | 4 | 21 | 38 | 26 | 28 | 34 | 50 | 58 | 65 | 65 | 57 | 53 | 50 | 47 | 49 | 49 | 53 | 59 | 63 | 71 | 71 | 33 | 12 | 71 |
| 4 | 30 | 22 | 9 | 10 | 11 | 19 | 32 | 43 | 52 | 56 | 55 | 57 | 56 | 56 | 51 | 51 | 59 | 71 | 70 | 76 | 70 | 49 | 44 | 26 | 76 |
| 5 | 12 | 9 | 2 | 2 | 31 | 28 | 27 | 50 | 63 | 67 | 69 | 69 | 64 | 63 | 62 | 59 | 56 | 51 | 50 | 43 | 47 | 43 | 23 | 15 | 69 |
| 6 | 23 | 13 | 8 | 6 | 17 | 13 | 26 | 35 | 43 | 48 | 49 | 39 | 38 | 43 | 42 | 44 | 47 | 44 | 45 | 44 | 40 | 16 | 26 | 27 | 49 |
| 7 | 15 | 7 | 19 | 17 | 15 | 15 | 29 | 35 | 40 | 50 | 53 | 53 | 59 | 61 | 61 | 62 | 58 | 56 | 53 | 62 | 55 | 43 | 41 | 41 | 62 |
| 8 | 25 | 8 | 20 | 30 | 32 | 25 | 42 | 43 | 55 | 63 | 62 | 59 | 56 | 56 | 58 | 58 | 56 | 50 | 55 | 55 | 55 | 59 | 51 | 26 | 63 |
| 9 | 54 | 29 | 18 | 20 | 31 | 22 | 34 | 48 | 56 | 63 | [CA] | [CA] | 58 | 60 | 56 | 54 | 59 | 67 | 63 | 34 | 37 | 25 | 27 | 20 | |
| 10 | 16 | 18 | 12 | 14 | 18 | 19 | 37 | 48 | 52 | 56 | 58 | 62 | 64 | 56 | 62 | 63 | 60 | 60 | 46 | 54 | 60 | 59 | 59 | 42 | 64 |
| 11 | 15 | 20 | 19 | 27 | 27 | 43 | 50 | 56 | 59 | 61 | 56 | 53 | 51 | 51 | 52 | 54 | 47 | 51 | 52 | 61 | 38 | 39 | 45 | 42 | 61 |
| 12 | 35 | 35 | 42 | 28 | 19 | 15 | 14 | 16 | 18 | 20 | 23 | 24 | 24 | 27 | 31 | 35 | 31 | 31 | 33 | 23 | 20 | 13 | 22 | 26 | 42 |
| 13 | 15 | 10 | 11 | 12 | 14 | 16 | 23 | 27 | 32 | 39 | 43 | 46 | 46 | 43 | 44 | 44 | 45 | 41 | 28 | 48 | 44 | 40 | 39 | 33 | 48 |
| 14 | 30 | 26 | 8 | 7 | 22 | 34 | 40 | 45 | 55 | 59 | 59 | 58 | 57 | 55 | 57 | 55 | 55 | 49 | 37 | 51 | 51 | 37 | 22 | 27 | 59 |
| 15 | 32 | 29 | 22 | 25 | 25 | 24 | 25 | 27 | 29 | 32 | 35 | 36 | 36 | 36 | 37 | 36 | 36 | 36 | 46 | 62 | 58 | 52 | 52 | 45 | 62 |
| 16 | 52 | 58 | 61 | 35 | 20 | 20 | 17 | 31 | 43 | 56 | 57 | 56 | 63 | 65 | 67 | 62 | 58 | 66 | 62 | 61 | 44 | 39 | 31 | 27 | 67 |
| 17 | 13 | 18 | 22 | 12 | 14 | 10 | 24 | 38 | 47 | 55 | 55 | 54 | 55 | 51 | 54 | 58 | 59 | 58 | 66 | 65 | 52 | 37 | 28 | 25 | 66 |
| 18 | 16 | 15 | 30 | 25 | 22 | 19 | 27 | 32 | 38 | 48 | 53 | [SC] | 61 | 62 | 66 | 64 | 61 | 58 | 35 | 44 | 25 | 35 | 43 | 35 | |
| 19 | 70 | 53 | 52 | 44 | 43 | 51 | 63 | 64 | 83 | 86 | 79 | 55 | 51 | 53 | 52 | 53 | 51 | 42 | 37 | 35 | 33 | 34 | 31 | 31 | 86 |
| 20 | 35 | 39 | 36 | 35 | 36 | 36 | 36 | 36 | 37 | 40 | 39 | 39 | 40 | 44 | 47 | 44 | 42 | 43 | 43 | 42 | 41 | 37 | 26 | 14 | 47 |
| 21 | 16 | 17 | 22 | 26 | 29 | 35 | 32 | 34 | 38 | 40 | 40 | 43 | 50 | 54 | 53 | 53 | 52 | 48 | 46 | 32 | 25 | 30 | 24 | 19 | 54 |
| 22 | 19 | 16 | 24 | 13 | 20 | 21 | 29 | 39 | 52 | 58 | 55 | 51 | 51 | 51 | 52 | 51 | 51 | 52 | 51 | 47 | 37 | 26 | 61 | 44 | 61 |
| 23 | 30 | 28 | 20 | 24 | 30 | 34 | 31 | 40 | 49 | 60 | 63 | 58 | 61 | 58 | 53 | 51 | 50 | 50 | 34 | 35 | 36 | 29 | 20 | 11 | 63 |
| 24 | 14 | 11 | 23 | 16 | 16 | 10 | 11 | 20 | 30 | 39 | 51 | 51 | 49 | 47 | 45 | 43 | 40 | 44 | 41 | 17 | 24 | 28 | 20 | 11 | 51 |
| 25 | 17 | 17 | 5 | 6 | 14 | 19 | 23 | 33 | 39 | 46 | 51 | 55 | 53 | 52 | 48 | 47 | 47 | 46 | 45 | 27 | 19 | 16 | 25 | 32 | 55 |
| 26 | 27 | 11 | 6 | 7 | 12 | 10 | 15 | 24 | 35 | 41 | 47 | 47 | 43 | 45 | 46 | 49 | 44 | 44 | 40 | 37 | 14 | 13 | 16 | 23 | 49 |
| 27 | 21 | 18 | 8 | 12 | 17 | 24 | 41 | 45 | 44 | 48 | 46 | 42 | 45 | 48 | 45 | 43 | 31 | 29 | 29 | 35 | 26 | 7 | 5 | 7 | 48 |
| 28 | 17 | 8 | 6 | 9 | 10 | 14 | 13 | 24 | 32 | 37 | 42 | 46 | 47 | 50 | 50 | 47 | 43 | 41 | 26 | 28 | 35 | 18 | 19 | 19 | 50 |
| 29 | 9 | 6 | 8 | 11 | 12 | 22 | 31 | 38 | 44 | 48 | 51 | 49 | 49 | 47 | 46 | 44 | 49 | 37 | 19 | 32 | 22 | 22 | 16 | 17 | 51 |
| 30 | 13 | 6 | 7 | 4 | 4 | 3 | 15 | 25 | 32 | 36 | 40 | 41 | 44 | 49 | 48 | 49 | 46 | 50 | 47 | 45 | 44 | 48 | 38 | 23 | 50 |
| 31 | 20 | 13 | 9 | 8 | 10 | 10 | 19 | 29 | [SC] | 42 | 48 | 55 | 58 | 59 | 63 | 60 | 52 | 36 | 32 | 59 | 42 | 57 | 42 | 22 | |
| AVG. | 25 | 20 | 19 | 19 | 21 | 23 | 30 | 38 | 46 | 51 | 52 | 51 | 52 | 52 | 52 | 52 | 50 | 49 | 45 | 47 | 41 | 36 | 32 | 26 | |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Palmdale

LATITUDE : 34 degrees 33 minutes 26 seconds

MONTH : August

ELEVATION : 2760 feet

LONGITUDE : 118 degrees 06 minutes 46 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 | 67 | 65 | 65 | 59 | 41 | 36 | 38 | 57 | 66 | 76 | 72 | 69 | 75 | 103 | 124 | 88 | 77 | 71 | 64 | 69 | 72 | 79 | 77 | 75 | 124 |
| 2 | 74 | 71 | 63 | 55 | 45 | 47 | 42 | 64 | 71 | 74 | 78 | 81 | 87 | 112 | 109 | 115 | 116 | 102 | 100 | 91 | 81 | 82 | 84 | 74 | 116 |
| 3 | 84 | 79 | 80 | 85 | 85 | 68 | 77 | 80 | 82 | 77 | 78 | 89 | 101 | 98 | 96 | 111 | 125 | 123 | 80 | 80 | 69 | 61 | 59 | 61 | 125 |
| 4 | 59 | 57 | 57 | 55 | 51 | 49 | 58 | 61 | 64 | 67 | 72 | 88 | 101 | 104 | 119 | 114 | 104 | 104 | 91 | 80 | 83 | 81 | 79 | 75 | 119 |
| 5 | 71 | 70 | 71 | 69 | 65 | 60 | 55 | 53 | 52 | 54 | 52 | 57 | 72 | 76 | 93 | 100 | 103 | 87 | 67 | 44 | 37 | 44 | 47 | 44 | 103 |
| 6 | 39 | 40 | 41 | 38 | 37 | 38 | 39 | 46 | 53 | 47 | 45 | 44 | 45 | 66 | 90 | 86 | 72 | 87 | 72 | 47 | 46 | 43 | 43 | 38 | 90 |
| 7 | 45 | 51 | 48 | 45 | 32 | 41 | 45 | 49 | 46 | 50 | 51 | 60 | 66 | 81 | 104 | 96 | 84 | 99 | 59 | 43 | 32 | 27 | 24 | 25 | 104 |
| 8 | 18 | 24 | 24 | 10 | 12 | 12 | 16 | 37 | 62 | 72 | 68 | 64 | 87 | 114 | 106 | 99 | 104 | 115 | 120 | 108 | 88 | 89 | 81 | 62 | 120 |
| 9 | 61 | 58 | 54 | 39 | 30 | 18 | 27 | 35 | 55 | 58 | 63 | 84 | 94 | 95 | 108 | 117 | 106 | 119 | 124 | 99 | 85 | 73 | 67 | 65 | 124 |
| 10 | 62 | 67 | 63 | 57 | 54 | 47 | 45 | 57 | 61 | 67 | 63 | 64 | 84 | 94 | 101 | 113 | 112 | 125 | 107 | 96 | 87 | 70 | 67 | 50 | 125 |
| 11 | 56 | 48 | 36 | 23 | 11 | 8 | 22 | 42 | 47 | 65 | 61 | 62 | 73 | 81 | 78 | 80 | 78 | 84 | 74 | 72 | 62 | 59 | 49 | 45 | 84 |
| 12 | 37 | 34 | 30 | 20 | 27 | 20 | 15 | 31 | 48 | 58 | 58 | 56 | 63 | 76 | 86 | 66 | 59 | 71 | 79 | 69 | 55 | 48 | 38 | 37 | 86 |
| 13 | 39 | 43 | 42 | 35 | 25 | 16 | 25 | 43 | 53 | 58 | 51 | 56 | 61 | 66 | 71 | 84 | 79 | 72 | 69 | 54 | 61 | 66 | 68 | 65 | 84 |
| 14 | 62 | 59 | 53 | 46 | 24 | 36 | 38 | 49 | [SF] | [SF] | [SF] | [SF] | [SF] | [SF] | 110 | 108 | 94 | 91 | 87 | 83 | 74 | 67 | 62 | 57 | |
| 15 | 58 | 62 | 65 | 61 | 52 | 52 | 54 | 60 | 68 | 78 | 82 | 94 | 106 | 102 | 108 | 115 | 108 | 91 | 94 | 89 | 76 | 69 | 69 | 68 | 115 |
| 16 | 62 | 63 | 67 | 67 | 61 | 53 | 59 | 60 | 56 | 57 | 54 | 58 | 65 | 69 | 79 | 78 | 73 | 76 | 64 | 37 | 40 | 46 | 48 | 47 | 79 |
| 17 | 53 | 56 | 51 | 51 | 39 | 39 | 40 | 49 | 53 | 56 | 56 | 61 | [CA] | [CA] | 90 | 99 | 93 | 74 | 78 | 74 | 74 | 68 | 59 | 61 | |
| 18 | 56 | 51 | 43 | 35 | 37 | 20 | 18 | 44 | 57 | 68 | 72 | 76 | 74 | 75 | 76 | 87 | 170 | 160 | 167 | 150 | 123 | 99 | 85 | 72 | 170 |
| 19 | 62 | 63 | 67 | 44 | 43 | 22 | 33 | 71 | 100 | 116 | 118 | 104 | 84 | 86 | 58 | 48 | 46 | 84 | 81 | 77 | 77 | 70 | 68 | 62 | 118 |
| 20 | 65 | 77 | 54 | 62 | 46 | 42 | 45 | 71 | 81 | 79 | 77 | 73 | 72 | [SC] | 86 | 85 | 63 | 58 | 48 | 36 | 43 | 47 | 39 | 46 | |
| 21 | 33 | 34 | 25 | 28 | 7 | 7 | 12 | 35 | 52 | 58 | 64 | 70 | 67 | 72 | 97 | 136 | 125 | 74 | 65 | 61 | 39 | 39 | 46 | 49 | 136 |
| 22 | 48 | 49 | 40 | 30 | 11 | 8 | 18 | 59 | 65 | 75 | 80 | 80 | 79 | 85 | 130 | 141 | 117 | 108 | 90 | 68 | 77 | 65 | 75 | 69 | 141 |
| 23 | 65 | 50 | 46 | 41 | 33 | 39 | 33 | 39 | 41 | 46 | 52 | 64 | 60 | 59 | 68 | 67 | 79 | 93 | 53 | 33 | 38 | 16 | 30 | 24 | 93 |
| 24 | 30 | 31 | 31 | 19 | 14 | 13 | 12 | 23 | 33 | 39 | 40 | 42 | 40 | 43 | 48 | 47 | 44 | 50 | 44 | 37 | 38 | 46 | 50 | 50 | 50 |
| 25 | 48 | 47 | 46 | 47 | 38 | 28 | 32 | 32 | 48 | 53 | 56 | 62 | 70 | 76 | 77 | 71 | 61 | 58 | 53 | 48 | 45 | 39 | 35 | 31 | 77 |
| 26 | 36 | 35 | 36 | 37 | 28 | 14 | 20 | 34 | 41 | 46 | 51 | 58 | 68 | 71 | 83 | 81 | 81 | 74 | 73 | 61 | 62 | 55 | 52 | 50 | 83 |
| 27 | 42 | 43 | 50 | 49 | 47 | 41 | 40 | 43 | 46 | 48 | 49 | 56 | 60 | 61 | 62 | 65 | 64 | 66 | 69 | 60 | 43 | 43 | 42 | 30 | 69 |
| 28 | 33 | 30 | 27 | 18 | 10 | 10 | 12 | 26 | 43 | 44 | 45 | 54 | 61 | 68 | 69 | 84 | 106 | 95 | 68 | 61 | 51 | 41 | 31 | 34 | 106 |
| 29 | 32 | 30 | 20 | 12 | 9 | 10 | 16 | 27 | 43 | 54 | 51 | 40 | 55 | 68 | 83 | 92 | 58 | 43 | 41 | 29 | 27 | 28 | 21 | 24 | 92 |
| 30 | 30 | 21 | 18 | 12 | 7 | 7 | 12 | 32 | 32 | 32 | 34 | 44 | 63 | 69 | 86 | 112 | 111 | 87 | 74 | 73 | 60 | 45 | 43 | 28 | 112 |
| 31 | 22 | 21 | 23 | 15 | 7 | 5 | 9 | 23 | 31 | 43 | 41 | 49 | 57 | 73 | 86 | 87 | 111 | 92 | 59 | 44 | 36 | 37 | 39 | 38 | 111 |
| AVG. | 50 | 49 | 46 | 41 | 33 | 29 | 33 | 46 | 55 | 60 | 61 | 65 | 72 | 80 | 90 | 93 | 91 | 88 | 78 | 67 | 61 | 56 | 54 | 50 | |

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 : August
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 | 70 | 67 | 67 | 67 | 66 | 65 | 64 | 63 | 58 | 52 | 60 | 66 | 69 | 73 | 85 | 88 | 120 | 141 | 162 | 151 | 117 | 75 | 65 | 72 | 162 |
| 2 | 74 | 73 | 69 | 64 | 66 | 67 | 65 | 68 | 56 | 56 | 62 | 69 | 84 | 91 | 101 | 110 | 102 | 100 | 88 | 70 | 73 | 74 | 73 | 66 | 110 |
| 3 | 61 | 65 | 74 | 72 | 69 | 69 | 73 | 72 | 73 | 63 | 67 | 74 | 69 | 83 | 101 | 101 | 90 | 65 | 75 | 77 | 60 | 53 | 67 | 69 | 101 |
| 4 | 66 | 60 | 61 | 63 | 57 | 55 | 55 | 55 | 62 | 66 | 64 | 76 | 90 | 99 | 110 | 121 | 123 | 126 | 134 | 128 | 111 | 79 | 74 | 73 | 134 |
| 5 | 72 | 67 | 65 | 63 | 61 | 61 | 63 | 62 | 60 | 64 | 63 | 60 | 53 | 52 | 59 | 97 | 95 | 84 | 108 | 88 | 94 | 80 | 69 | 62 | 108 |
| 6 | 70 | 61 | 36 | 60 | 57 | 50 | 49 | 45 | 43 | 36 | 38 | 37 | 37 | 39 | 60 | 81 | 70 | 68 | 78 | 79 | 55 | 48 | 46 | 52 | 81 |
| 7 | 55 | 57 | 54 | 56 | 57 | 59 | 61 | 57 | 55 | 51 | 58 | 61 | 68 | 52 | 69 | 88 | 74 | 75 | 84 | 58 | 58 | 56 | 61 | 54 | 88 |
| 8 | 48 | 61 | 59 | 67 | 66 | 64 | 65 | 61 | 59 | 49 | 56 | 66 | 76 | 90 | 103 | 90 | 78 | 74 | 69 | 51 | 46 | 46 | 46 | 49 | 103 |
| 9 | 48 | 48 | 44 | 46 | 50 | 53 | 53 | 55 | 55 | 58 | 55 | 61 | 73 | 75 | 67 | 68 | 84 | 90 | 87 | 74 | 58 | 50 | 59 | 82 | 90 |
| 10 | 81 | 85 | 93 | 93 | 81 | 71 | 72 | 74 | 60 | [CA] | [CA] | [CA] | 52 | 74 | 91 | 53 | 70 | 96 | 77 | 66 | 61 | 63 | 73 | 59 | |
| 11 | 59 | 76 | 68 | 52 | 52 | 52 | 52 | 53 | 51 | 48 | 51 | 56 | 63 | 73 | 81 | 90 | 80 | 70 | 62 | 53 | 45 | 45 | 43 | 41 | 90 |
| 12 | 46 | 43 | 42 | 40 | 42 | 46 | 43 | 44 | 43 | 51 | 52 | 52 | 62 | 71 | 82 | 81 | 83 | 84 | 72 | 60 | 53 | 46 | 32 | 38 | 84 |
| 13 | 51 | 44 | 43 | 34 | 29 | 36 | 37 | 38 | 42 | 43 | 48 | 48 | 49 | 70 | 85 | 83 | 74 | 60 | 58 | 65 | 63 | 58 | 52 | 56 | 85 |
| 14 | 61 | 61 | 60 | 62 | 65 | 63 | 62 | 59 | 65 | 61 | 56 | 69 | 76 | 79 | 85 | 89 | 69 | 51 | 44 | 44 | 41 | 42 | 48 | 40 | 89 |
| 15 | 40 | 47 | 59 | 58 | 56 | 54 | 38 | 41 | 52 | 64 | 70 | 75 | 81 | 84 | 96 | 98 | 90 | 91 | 104 | 114 | 98 | 83 | 85 | 86 | 114 |
| 16 | 89 | 75 | 73 | 78 | 69 | 72 | 74 | 73 | 68 | 73 | 82 | 84 | 81 | 86 | 88 | 97 | 101 | 81 | 63 | 55 | 43 | 56 | 51 | 49 | 101 |
| 17 | 51 | 42 | 36 | 54 | 53 | 38 | 44 | 38 | 49 | 57 | 59 | 51 | 70 | 69 | 69 | 98 | 99 | 94 | 78 | 55 | 72 | 60 | 47 | 35 | 99 |
| 18 | 55 | 40 | 38 | 49 | 48 | 49 | 47 | 53 | 54 | 59 | 63 | 66 | 67 | 69 | 66 | 72 | 80 | 97 | 87 | 79 | 98 | 121 | 123 | 112 | 123 |
| 19 | 112 | 107 | 118 | 100 | 98 | 99 | 102 | 101 | 87 | 70 | 74 | 73 | 67 | 66 | 75 | 81 | 90 | 97 | 93 | 75 | 58 | 62 | 61 | 72 | 118 |
| 20 | 76 | 72 | 63 | 55 | 44 | 39 | 42 | 35 | 43 | [SC] | 43 | 44 | 44 | 43 | 43 | 39 | 41 | 40 | 48 | 62 | 57 | 56 | 47 | 50 | |
| 21 | 57 | 54 | 46 | 46 | 45 | 37 | 47 | 48 | 54 | 57 | 56 | 64 | 61 | 51 | 49 | 46 | 50 | 59 | 94 | 105 | 84 | 53 | 48 | 56 | 105 |
| 22 | 77 | 76 | 71 | 63 | 68 | 67 | 70 | 62 | 67 | 70 | 66 | 64 | 61 | 63 | 69 | 73 | 90 | 87 | 76 | 68 | 54 | 56 | 64 | 62 | 90 |
| 23 | 61 | 63 | 55 | 54 | 53 | 47 | 45 | 42 | 47 | 54 | 52 | 47 | 51 | 56 | 56 | 60 | 70 | 63 | 53 | 51 | 61 | 53 | 44 | 35 | 70 |
| 24 | 36 | 34 | 19 | 22 | 20 | 27 | 29 | 31 | 33 | 38 | 39 | 46 | 48 | 49 | 51 | 54 | 47 | 47 | 38 | 26 | 26 | 29 | 27 | 32 | 54 |
| 25 | 38 | 39 | 29 | 22 | 34 | 42 | 50 | 48 | 48 | 47 | 48 | 63 | 77 | 90 | 93 | 83 | 73 | 65 | 60 | 44 | 43 | 40 | 38 | 33 | 93 |
| 26 | 30 | 27 | 30 | 30 | 32 | 34 | 38 | 45 | 42 | 39 | 40 | 48 | 55 | 53 | 59 | 84 | 67 | 86 | 70 | 53 | 40 | 53 | 58 | 55 | 86 |
| 27 | 56 | 48 | 48 | 59 | 55 | 52 | 50 | 49 | 52 | 51 | 50 | 48 | 56 | 59 | 68 | 72 | 67 | 64 | 59 | 42 | 38 | 31 | 28 | 29 | 72 |
| 28 | 25 | 28 | 31 | 33 | 32 | 31 | 33 | 33 | 40 | 40 | 34 | 41 | 54 | 64 | 74 | 71 | 81 | 89 | 83 | 77 | 54 | 44 | 54 | 43 | 89 |
| 29 | 46 | 57 | 55 | 58 | 56 | 57 | 57 | 55 | 40 | 42 | 44 | 47 | 54 | 59 | 71 | 86 | 74 | 86 | 68 | 59 | 30 | 22 | 30 | 30 | 86 |
| 30 | 36 | 72 | 46 | 26 | 25 | 30 | 40 | 34 | 32 | 36 | 39 | 43 | 59 | 75 | 89 | 99 | 86 | 67 | 70 | 64 | 57 | 54 | 56 | 56 | 99 |
| 31 | 52 | 45 | 47 | 46 | 46 | 45 | 48 | 49 | 52 | 55 | 55 | 61 | 71 | 85 | 78 | 69 | 71 | 86 | 103 | 74 | 62 | 74 | 59 | 36 | 103 |
| AVG. | 58 | 58 | 55 | 55 | 53 | 53 | 54 | 53 | 53 | 54 | 55 | 59 | 64 | 69 | 77 | 81 | 80 | 80 | 79 | 70 | 62 | 57 | 56 | 54 | |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Shadow Mountain

LATITUDE : 34 degrees 44 minutes 15 seconds

MONTH : August

ELEVATION : 4120 feet

LONGITUDE : 117 degrees 33 minutes 54 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 | 64 | 63 | 63 | 61 | 61 | 60 | 59 | 59 | 62 | 60 | 61 | 61 | 62 | 64 | 65 | 73 | 81 | 69 | 59 | 60 | 57 | 60 | 69 | 71 | 81 |
| 2 | 66 | 62 | 62 | 63 | 65 | 63 | 70 | 72 | 72 | 69 | 66 | 69 | 72 | 66 | 75 | 78 | 81 | 78 | 76 | 65 | 63 | 73 | 78 | 73 | 81 |
| 3 | 68 | 68 | 71 | 67 | 70 | 72 | 74 | 73 | 72 | 66 | 49 | 51 | 55 | 74 | 76 | 71 | 71 | 83 | 108 | 94 | 71 | 64 | 54 | 53 | 108 |
| 4 | 54 | 52 | 52 | 52 | 52 | 52 | 51 | 52 | 53 | 57 | 58 | 62 | 64 | 70 | 81 | 91 | 96 | 83 | 78 | 76 | 71 | 68 | 67 | 67 | 96 |
| 5 | 63 | 63 | 62 | 61 | 63 | 61 | 58 | 54 | 54 | 50 | 52 | 51 | 48 | 50 | 42 | 46 | 55 | 62 | 66 | 62 | 50 | 40 | 34 | 33 | 66 |
| 6 | 37 | 42 | 45 | 44 | 41 | 40 | 40 | 40 | 39 | 37 | 32 | 35 | 41 | 43 | 51 | 63 | 65 | 58 | 53 | 47 | 46 | 44 | 44 | 48 | 65 |
| 7 | 50 | 52 | 52 | 55 | 54 | 53 | 52 | 50 | 44 | 46 | 49 | 53 | 50 | 54 | 56 | 68 | 81 | 77 | 55 | 52 | 68 | 70 | 69 | 66 | 81 |
| 8 | 62 | 62 | 63 | 61 | 59 | 55 | 54 | 55 | 48 | 47 | 49 | 50 | 50 | 58 | 66 | 100 | 98 | 102 | 110 | 108 | 94 | 77 | 69 | 64 | 110 |
| 9 | 60 | 55 | 53 | 55 | 55 | 54 | 53 | 52 | 50 | 56 | 56 | 51 | 55 | 64 | 74 | 88 | 96 | 93 | 92 | 99 | 86 | 68 | 64 | 62 | 99 |
| 10 | 63 | 62 | 61 | 56 | 53 | 53 | 53 | 54 | 52 | 54 | 55 | 48 | 45 | 43 | 58 | [CA] | [CA] | 68 | 88 | 92 | 86 | 89 | 83 | 76 | |
| 11 | 74 | 72 | 68 | 62 | 57 | 45 | 47 | 46 | 48 | 51 | 49 | 48 | 55 | 49 | 52 | 55 | 58 | 58 | 52 | 69 | 62 | 64 | 54 | 50 | 74 |
| 12 | 50 | 51 | 48 | 47 | 45 | 44 | 43 | 44 | 46 | 52 | 55 | 56 | 50 | 48 | 59 | 80 | 75 | 54 | 52 | 58 | 63 | 53 | 43 | 36 | 80 |
| 13 | 33 | 31 | 30 | 33 | 33 | 30 | 32 | 33 | 36 | 38 | 39 | 41 | 45 | 51 | 54 | 59 | 62 | 63 | 64 | 57 | 56 | 55 | 59 | 61 | 64 |
| 14 | 61 | 59 | 60 | 59 | 58 | 56 | 57 | 59 | 59 | 55 | 53 | 52 | 55 | 58 | 74 | 78 | 85 | 86 | 86 | 74 | 64 | 61 | 53 | 49 | 86 |
| 15 | 45 | 45 | 48 | 56 | 57 | 61 | 49 | 57 | 64 | 69 | 70 | 69 | 65 | 68 | 77 | 84 | 94 | 101 | 101 | 86 | 70 | 63 | 63 | 60 | 101 |
| 16 | 56 | 57 | 58 | 60 | 65 | 67 | 62 | 58 | 51 | 50 | 52 | 49 | 55 | 58 | 58 | 67 | 86 | 83 | 74 | 52 | 46 | 49 | 47 | 45 | 86 |
| 17 | 45 | 43 | 43 | 43 | 43 | 39 | 37 | 38 | 41 | 43 | 46 | 40 | 40 | 53 | 78 | 95 | 109 | 91 | 54 | 43 | 43 | 40 | 39 | 41 | 109 |
| 18 | 39 | 36 | 38 | 40 | 41 | 42 | 43 | 45 | 48 | 55 | 54 | 54 | 54 | 57 | 59 | 60 | 59 | 60 | 60 | 126 | 122 | 106 | 122 | 129 | 129 |
| 19 | 117 | 132 | 128 | 100 | 99 | 103 | 96 | 91 | 95 | 84 | 73 | 67 | 62 | 49 | 50 | 51 | 56 | 67 | [SC] | 75 | 72 | 72 | 68 | 68 | |
| 20 | 68 | 80 | 72 | 71 | 59 | 53 | 60 | 55 | 51 | 59 | 55 | 48 | 44 | 44 | 43 | 44 | 41 | 39 | 37 | 44 | 53 | 64 | 56 | 43 | 80 |
| 21 | 44 | 45 | 44 | 44 | 43 | 40 | 41 | 42 | 47 | 42 | 44 | 52 | 54 | 55 | 56 | 55 | 45 | 47 | 50 | 55 | 56 | 62 | 64 | 65 | 65 |
| 22 | 65 | 59 | 56 | 46 | 46 | 48 | 46 | 46 | 53 | 60 | 61 | 64 | 66 | 67 | 73 | 72 | 73 | 94 | 105 | 86 | 69 | 52 | 47 | 48 | 105 |
| 23 | 49 | 49 | 46 | 42 | 46 | 43 | 39 | 37 | 42 | 45 | 49 | 52 | 56 | 58 | 65 | 70 | 72 | 73 | 80 | 57 | 43 | 37 | 29 | 26 | 80 |
| 24 | 24 | 23 | 22 | 22 | 23 | 26 | 28 | 27 | 28 | 30 | 35 | 36 | 39 | 34 | 39 | 45 | 47 | 44 | 32 | 34 | 32 | 32 | 51 | 49 | 51 |
| 25 | 45 | 46 | 44 | 51 | 51 | 58 | 54 | 45 | 45 | 46 | 48 | 53 | 54 | 64 | 72 | 78 | 77 | 63 | 53 | 46 | 42 | 39 | 36 | 34 | 78 |
| 26 | 34 | 37 | 37 | 33 | 32 | 36 | 39 | 40 | 40 | 39 | 35 | 36 | 43 | 51 | 57 | 58 | 59 | 59 | 58 | 52 | 52 | 44 | 41 | 40 | 59 |
| 27 | 44 | 50 | 50 | 48 | 46 | 45 | 45 | 42 | 40 | 37 | 39 | 40 | 38 | 40 | 48 | 65 | 74 | 66 | 53 | 55 | 52 | 41 | 39 | 39 | 74 |
| 28 | 41 | 40 | 32 | 38 | 31 | 31 | 29 | 29 | 29 | 28 | 28 | 37 | 44 | 40 | 52 | 68 | 77 | 76 | 61 | 48 | 47 | 51 | 49 | 49 | 77 |
| 29 | 53 | 58 | 56 | 57 | 57 | 55 | 52 | 53 | 48 | 41 | 45 | 38 | 39 | 44 | 47 | 69 | 62 | 60 | 40 | 36 | 40 | 44 | 47 | 48 | 69 |
| 30 | 48 | 46 | 33 | 29 | 23 | 22 | 20 | 21 | 22 | 27 | 36 | 41 | 40 | 43 | 54 | 69 | 89 | 101 | 83 | 74 | 66 | 56 | 46 | 40 | 101 |
| 31 | 33 | 32 | 31 | 37 | 37 | 43 | 45 | 46 | 43 | 49 | 51 | 49 | 54 | 62 | 60 | 78 | 83 | 86 | 96 | 63 | 46 | 40 | 42 | [SC] | |
| AVG. | 53 | 54 | 52 | 51 | 50 | 50 | 49 | 49 | 49 | 50 | 50 | 50 | 51 | 54 | 60 | 69 | 74 | 72 | 69 | 66 | 61 | 57 | 56 | 54 | |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Baldy Mesa

ELEVATION : 4250 feet

PARAMETER : Ambient Temperature (Degrees C)

LATITUDE : 34 degrees 23 minutes 20 seconds

LONGITUDE : 117 degrees 26 minutes 33 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 25.4 | 25.0 | 25.3 | 27.6 | 27.8 | 28.0 | 28.9 | 30.2 | 31.9 | 32.5 | 32.8 | 31.5 | 31.9 | 32.9 | 32.5 | 31.1 | 29.5 | 27.3 | 24.4 | 22.9 | 23.0 | 22.7 | 23.1 | 23.6 | 32.9 | 22.7 |
| 2 | 24.3 | 25.0 | 24.6 | 24.3 | 24.3 | 24.3 | 26.3 | 27.2 | 28.9 | 30.1 | 30.7 | 30.0 | 30.3 | 31.1 | 31.8 | 31.4 | 30.8 | 29.1 | 26.4 | 24.9 | 24.5 | 23.8 | 23.9 | 23.9 | 31.8 | 23.8 |
| 3 | 23.5 | 22.9 | 22.5 | 22.4 | 22.5 | 23.1 | 24.3 | 25.9 | 27.3 | 28.3 | 29.4 | 30.3 | 31.3 | 31.7 | 31.4 | 31.0 | 30.0 | 29.0 | 27.3 | 24.9 | 22.4 | 21.9 | 21.5 | 21.1 | 31.7 | 21.1 |
| 4 | 21.9 | 21.7 | 20.8 | 21.2 | 21.0 | 21.6 | 23.0 | 24.5 | 26.1 | 27.0 | 27.7 | 27.8 | 28.2 | 28.5 | 28.7 | 28.5 | 28.0 | 26.7 | 25.3 | 23.7 | 22.3 | 21.8 | 21.4 | 21.0 | 28.7 | 20.8 |
| 5 | 20.9 | 20.6 | 20.6 | 21.0 | 21.4 | 21.5 | 22.9 | 24.7 | 26.4 | 27.8 | 28.4 | 29.0 | 29.7 | 29.9 | 30.2 | 30.2 | 29.2 | 27.2 | 24.4 | 23.0 | 23.4 | 22.2 | 21.7 | 22.4 | 30.2 | 20.6 |
| 6 | 22.5 | 22.7 | 21.9 | 22.1 | 22.5 | 23.4 | 25.3 | 27.7 | 29.6 | 30.6 | 32.1 | 32.5 | 31.8 | 31.8 | 32.0 | 31.5 | 30.3 | 28.9 | 26.2 | 24.9 | 25.5 | 26.1 | 27.8 | 26.1 | 32.5 | 21.9 |
| 7 | 26.2 | 27.1 | 27.4 | 26.1 | 25.6 | 26.0 | 27.7 | 29.3 | 29.7 | 30.7 | 31.0 | 31.4 | 31.3 | 31.5 | 31.9 | 31.9 | 30.5 | 28.4 | 26.8 | 25.3 | 25.7 | 25.0 | 24.3 | 24.5 | 31.9 | 24.3 |
| 8 | 24.3 | 24.0 | 23.7 | 22.6 | 24.3 | 24.0 | 26.5 | 28.4 | 30.1 | 30.8 | 31.4 | 32.0 | 32.3 | 32.6 | 32.9 | 32.6 | 32.1 | 31.0 | 29.1 | 27.0 | 25.6 | 24.2 | 22.8 | 23.2 | 32.9 | 22.6 |
| 9 | 23.6 | 24.3 | 24.2 | 24.2 | 23.5 | 24.1 | 26.3 | 27.5 | 29.0 | 30.1 | 31.1 | 31.5 | 31.7 | 32.1 | 32.3 | 32.1 | 31.5 | 30.3 | 28.1 | 25.7 | 23.7 | 23.0 | 22.1 | 22.2 | 32.3 | 22.1 |
| 10 | 22.3 | 22.0 | 22.0 | 22.1 | 22.4 | 22.5 | 23.2 | 23.3 | 24.5 | 26.5 | 27.4 | 27.9 | 28.1 | 28.4 | 28.0 | 28.0 | 27.4 | 26.3 | 23.9 | 22.4 | 21.7 | 21.4 | 21.1 | 21.0 | 28.4 | 21.0 |
| 11 | 21.4 | 21.4 | 21.2 | 21.7 | 21.7 | 21.9 | 23.0 | 24.8 | 27.0 | 28.3 | 28.7 | 28.2 | 29.0 | 29.3 | 29.8 | 29.7 | 29.2 | 28.1 | 26.4 | 25.4 | 25.0 | 24.2 | 23.3 | 22.5 | 29.8 | 21.2 |
| 12 | 21.8 | 22.3 | 22.7 | 22.3 | 22.1 | 21.9 | 23.5 | 25.5 | 26.7 | 27.8 | 28.5 | 29.1 | 29.9 | 30.1 | 30.0 | 29.7 | 29.2 | 28.1 | 26.9 | 24.3 | 22.6 | 22.3 | 21.4 | 20.6 | 30.1 | 20.6 |
| 13 | 21.0 | 21.7 | 22.3 | 23.2 | 24.1 | 23.9 | 25.2 | 26.8 | 28.2 | 28.6 | 29.0 | 29.1 | 29.6 | 30.2 | 30.4 | 30.0 | 29.1 | 27.6 | 24.6 | 22.6 | 22.2 | 21.7 | 21.4 | 21.7 | 30.4 | 21.0 |
| 14 | 21.7 | 22.2 | 21.8 | 21.0 | 21.1 | 21.7 | 23.1 | 24.4 | 25.9 | 26.9 | 27.7 | 28.5 | 28.9 | 29.0 | 29.2 | 28.8 | 28.3 | 27.0 | 25.1 | 22.4 | 21.4 | 21.3 | 21.4 | 20.9 | 29.2 | 20.9 |
| 15 | 20.6 | 19.8 | 19.1 | 19.3 | 19.5 | 19.8 | 20.8 | 22.3 | 23.6 | 24.7 | 26.0 | 26.3 | 26.7 | 27.2 | 27.4 | 27.2 | 26.2 | 24.6 | 23.1 | 21.3 | 20.0 | 18.8 | 18.0 | 18.0 | 27.4 | 18.0 |
| 16 | 17.6 | 17.5 | 17.4 | 17.4 | 16.9 | 17.2 | 18.0 | 19.0 | 20.4 | 21.3 | 22.2 | 23.0 | 23.7 | 24.1 | 24.1 | 24.2 | 23.6 | 22.4 | 20.8 | 19.5 | 18.5 | 17.8 | 17.3 | 17.0 | 24.2 | 16.9 |
| 17 | 17.2 | 17.1 | 16.7 | 16.6 | 16.3 | 16.5 | 17.4 | 18.9 | 20.3 | 21.3 | 22.5 | 23.1 | 23.6 | 24.4 | 24.6 | 24.6 | 23.6 | 22.2 | 20.4 | 18.5 | 17.4 | 17.3 | 16.6 | 16.1 | 24.6 | 16.1 |
| 18 | 16.1 | 15.8 | 15.6 | 15.8 | 15.9 | 16.1 | 17.8 | 19.3 | 21.1 | 23.5 | 24.6 | 25.7 | 26.9 | 27.1 | 27.3 | 27.0 | 26.2 | 25.0 | 23.2 | 21.5 | 20.0 | 20.5 | 20.8 | 21.1 | 27.3 | 15.6 |
| 19 | 21.2 | 21.7 | 22.7 | 22.2 | 22.1 | 22.7 | 23.5 | 26.3 | 27.4 | 28.5 | 29.0 | 29.3 | 29.6 | 30.2 | 30.0 | 29.5 | 28.4 | 27.6 | 25.0 | 23.5 | 22.9 | 21.3 | 21.8 | 21.9 | 30.2 | 21.2 |
| 20 | 21.7 | 21.4 | 21.8 | 21.7 | 21.4 | 21.1 | 22.7 | 23.6 | 24.6 | 25.6 | 26.4 | 26.9 | 27.5 | 27.5 | 27.5 | 26.2 | 24.2 | 24.2 | 23.2 | 21.8 | 21.1 | 21.1 | 21.0 | 21.7 | 27.5 | 21.0 |
| 21 | 22.0 | 21.4 | 21.2 | 21.4 | 21.4 | 21.5 | 21.8 | 22.0 | 23.8 | 24.5 | 25.3 | 26.3 | 26.9 | 28.1 | 28.1 | 26.9 | 26.5 | 25.1 | 24.0 | 22.4 | 21.8 | 22.0 | 21.8 | 22.0 | 28.1 | 21.2 |
| 22 | 22.4 | 22.0 | 21.5 | 21.1 | 21.1 | 21.1 | 22.4 | 24.2 | 25.7 | 26.7 | 28.0 | 29.2 | 29.3 | 29.7 | 29.7 | 29.4 | 28.9 | 27.4 | 24.8 | 22.7 | 22.0 | 21.5 | 21.0 | 20.8 | 29.7 | 20.8 |
| 23 | 21.4 | 21.0 | 21.1 | 21.1 | 21.1 | 21.0 | 22.6 | 24.4 | 25.5 | 26.3 | 27.3 | 27.7 | 27.8 | 28.1 | 27.9 | 28.0 | 27.5 | 26.7 | 24.8 | 22.6 | 21.4 | 22.1 | 21.3 | 21.0 | 28.1 | 21.0 |
| 24 | 20.9 | 21.3 | 20.7 | 19.9 | 20.3 | 21.0 | 22.5 | 24.1 | 25.2 | 25.8 | 26.5 | 27.2 | 28.0 | 28.6 | 28.6 | 28.3 | 27.8 | 26.5 | 24.9 | 23.5 | 22.8 | 22.0 | 21.3 | 20.5 | 28.6 | 19.9 |
| 25 | 20.3 | 20.3 | 20.4 | 19.7 | 19.5 | 18.9 | 20.5 | 23.0 | 24.8 | 25.8 | 26.6 | 27.1 | 27.2 | 27.7 | 27.8 | 27.9 | 27.3 | 25.9 | 23.9 | 21.8 | 20.3 | 19.5 | 19.3 | 18.8 | 27.9 | 18.8 |
| 26 | 18.7 | 18.9 | 18.6 | 18.6 | 18.6 | 18.8 | 19.9 | 21.7 | 23.5 | 25.4 | 26.8 | 27.9 | 28.9 | 29.0 | 29.2 | 29.3 | 28.3 | 26.6 | 24.8 | 23.3 | 22.6 | 21.8 | 21.4 | 21.0 | 29.3 | 18.6 |
| 27 | 20.6 | 20.8 | 21.1 | 21.1 | 20.8 | 21.1 | 22.0 | 23.5 | 25.2 | 26.8 | 27.9 | 28.2 | 28.8 | 29.0 | 28.8 | 28.4 | 27.9 | 26.7 | 25.0 | 23.7 | 22.8 | 22.2 | 22.1 | 22.1 | 29.0 | 20.6 |
| 28 | 21.9 | 21.6 | 21.3 | 21.1 | 21.2 | 21.4 | 22.8 | 24.3 | 25.4 | 27.0 | 28.2 | 29.0 | 29.5 | 29.8 | 30.0 | 29!9 | 29.4 | 28.3 | 26.0 | 24.8 | 24.8 | 24.0 | 23.3 | 23.9 | 30.0 | 21.1 |
| 29 | 23.3 | 23.7 | 24.1 | 23.8 | 23.3 | 23.4 | 25.1 | 26.2 | 28.1 | 29.4 | 30.1 | 30.6 | 31.2 | 31.7 | 31.6 | 31.3 | 30.6 | 29.5 | 26.7 | 24.4 | 24.4 | 24.4 | 24.0 | 23.8 | 31.7 | 23.3 |
| 30 | 23.5 | 23.0 | 22.9 | 22.9 | 23.0 | 23.7 | 24.9 | 26.4 | 27.9 | 29.5 | 30.6 | 30.6 | 30.8 | 31.4 | 31.6 | 31.1 | 30.6 | 29.7 | 27.7 | 25.0 | 23.3 | 23.5 | 23.4 | 25.1 | 31.6 | 22.9 |
| 31 | 24.8 | 25.1 | 24.4 | 23.5 | 24.2 | 25.1 | 26.2 | 28.2 | 29.1 | 30.3 | 31.1 | 31.9 | 32.3 | 32.9 | 32.7 | 32.2 | 31.6 | 30.5 | 26.9 | 24.8 | 24.2 | 24.2 | 25.4 | 25.9 | 32.9 | 23.5 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Boron

LATITUDE : 35 degrees 01 minutes 00 seconds

MONTH : August

ELEVATION : 2460 feet

LONGITUDE : 117 degrees 39 minutes 00 seconds

YEAR : 1995

PARAMETER : Ambient 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 | 29.4 | 28.8 | 26.4 | 24.0 | 21.9 | 21.1 | 25.4 | 29.4 | 32.4 | 35.0 | 37.3 | 39.5 | 40.6 | 40.9 | 41.3 | 41.1 | 40.5 | 38.9 | 36.6 | 33.3 | 31.1 | 30.0 | 29.7 | 29.8 | 41.3 | 21.1 |
| 2 | 29.7 | 29.1 | 28.5 | 27.8 | 27.2 | 26.8 | 28.1 | 30.2 | 32.4 | 34.7 | 36.7 | 38.3 | 39.4 | 40.2 | 40.6 | 40.3 | 38.9 | 37.5 | 35.5 | 33.1 | 31.2 | 30.2 | 29.7 | 29.3 | 40.6 | 26.8 |
| 3 | 28.9 | 28.7 | 28.3 | 27.7 | 27.4 | 27.2 | 28.8 | 30.3 | 32.4 | 35.0 | 36.7 | 38.2 | 38.8 | 38.9 | 38.9 | 38.4 | 37.3 | 35.5 | 33.3 | 31.2 | 29.2 | 27.6 | 27.8 | 26.1 | 38.9 | 26.1 |
| 4 | 26.1 | 25.3 | 22.2 | 23.5 | 23.4 | 22.4 | 25.4 | 28.0 | 30.2 | 32.3 | 34.0 | 35.2 | 36.3 | 37.2 | 37.6 | 37.4 | 36.3 | 35.0 | 33.0 | 30.5 | 28.7 | 27.8 | 27.2 | 26.3 | 37.6 | 22.2 |
| 5 | 26.2 | 26.0 | 25.9 | 25.4 | 25.2 | 22.6 | 25.1 | 27.4 | 29.5 | 32.3 | 34.1 | 35.7 | 36.6 | 37.4 | 37.7 | 37.4 | 36.5 | 35.0 | 33.0 | 30.5 | 28.7 | 26.7 | 25.7 | 25.3 | 37.7 | 22.6 |
| 6 | 25.1 | 24.3 | 23.8 | 23.1 | 22.4 | 21.5 | 25.5 | 27.4 | 29.8 | 32.2 | 34.5 | 36.4 | 38.0 | 39.1 | 39.4 | 39.0 | 37.9 | 36.4 | 34.6 | 32.2 | 30.5 | 29.6 | 29.1 | 28.5 | 39.4 | 21.5 |
| 7 | 26.4 | 23.9 | 22.0 | 21.6 | 21.0 | 21.1 | 25.6 | 29.5 | 32.0 | 33.7 | 35.4 | 36.8 | 38.0 | 38.6 | 38.7 | 38.3 | 37.7 | 36.5 | 34.3 | 31.3 | 29.6 | 28.2 | 27.0 | 26.1 | 38.7 | 21.0 |
| 8 | 23.9 | 24.4 | 22.4 | 20.9 | 20.1 | 19.9 | 23.6 | 27.0 | 29.4 | 32.0 | 34.3 | 36.2 | 37.5 | 38.7 | 39.3 | 39.2 | 38.2 | 36.7 | 34.7 | 32.3 | 30.2 | 28.8 | 27.2 | 25.5 | 39.3 | 19.9 |
| 9 | 24.7 | 23.5 | 22.6 | 22.8 | 21.2 | 19.8 | 24.1 | 28.1 | 31.3 | 33.6 | 35.3 | 37.3 | 38.9 | 38.9 | 39.3 | 38.9 | 38.1 | 37.0 | 34.8 | 32.1 | 29.8 | 28.1 | 26.6 | 26.0 | 39.3 | 19.8 |
| 10 | 25.1 | 23.6 | 22.1 | 21.7 | 24.4 | 22.9 | 22.9 | 26.4 | 27.9 | 31.1 | 33.3 | 35.2 | 36.6 | 37.4 | 37.1 | 36.5 | 35.3 | 34.0 | 32.1 | 29.2 | 27.0 | 25.1 | 24.2 | 23.3 | 37.4 | 21.7 |
| 11 | 22.1 | 20.6 | 18.3 | 17.1 | 16.4 | 16.5 | 20.5 | 24.0 | 25.9 | 29.1 | 30.9 | 32.8 | 34.9 | 35.7 | 35.9 | 35.6 | 35.2 | 34.2 | 32.3 | 29.9 | 27.9 | 26.7 | 25.6 | 24.9 | 35.9 | 16.4 |
| 12 | 24.0 | 23.7 | 21.8 | 19.2 | 17.7 | 17.4 | 21.9 | 26.5 | 28.5 | 30.7 | 32.4 | 34.2 | 35.1 | 36.3 | 36.5 | 36.0 | 35.2 | 34.0 | 32.3 | 30.3 | 28.0 | 26.8 | 25.8 | 25.1 | 36.5 | 17.4 |
| 13 | 25.4 | 24.5 | 22.5 | 21.6 | 21.4 | 20.5 | 23.3 | 26.1 | 28.2 | 31.0 | 33.2 | 34.6 | 36.3 | 36.9 | 37.0 | 36.9 | 36.1 | 34.5 | 32.0 | 29.4 | 27.4 | 26.3 | 26.0 | 25.3 | 37.0 | 20.5 |
| 14 | 24.9 | 23.9 | 23.1 | 22.3 | 20.4 | 19.0 | 21.5 | 24.8 | 27.5 | 30.3 | 32.7 | 34.6 | 36.4 | 37.2 | 37.4 | 37.2 | 36.0 | 34.0 | 31.5 | 28.7 | 27.1 | 26.3 | 25.7 | 25.3 | 37.4 | 19.0 |
| 15 | 24.7 | 24.3 | 23.2 | 22.6 | 21.8 | 21.6 | 23.3 | 26.1 | 28.1 | 30.4 | 32.3 | 34.1 | 35.4 | 36.1 | 36.1 | 35.9 | 34.9 | 32.7 | 29.7 | 27.2 | 25.0 | 23.7 | 23.6 | 23.7 | 36.1 | 21.6 |
| 16 | 23.6 | 23.1 | 22.6 | 21.2 | 20.8 | 21.4 | 22.5 | 23.7 | 26.6 | 28.7 | 30.1 | 31.4 | 32.6 | 33.1 | 33.2 | 32.5 | 31.8 | 30.2 | 27.9 | 25.7 | 24.2 | 23.3 | 22.7 | 22.1 | 33.2 | 20.8 |
| 17 | 21.7 | 21.3 | 19.9 | 19.3 | 19.4 | 18.9 | 19.9 | 22.5 | 25.3 | 27.0 | 28.4 | 29.8 | 31.4 | 32.3 | 31.8 | 31.2 | 29.9 | 28.2 | 25.9 | 23.8 | 22.0 | 21.0 | 19.9 | 19.5 | 32.3 | 18.9 |
| 18 | 18.9 | 18.7 | 18.2 | 17.5 | 17.0 | 16.6 | 19.2 | 20.8 | 23.0 | 25.5 | 27.8 | 29.7 | 31.5 | 32.7 | 33.7 | 34.1 | 34.3 | 34.3 | 32.1 | 28.9 | 26.2 | 25.1 | 24.3 | 22.4 | 34.3 | 16.6 |
| 19 | 20.1 | 20.3 | 18.6 | 16.5 | 14.8 | 14.7 | 20.3 | 24.5 | 26.9 | 29.3 | 32.6 | 34.5 | 35.6 | 36.5 | 37.2 | 37.3 | 37.1 | 36.2 | 33.4 | 31.1 | 29.5 | 28.4 | 28.7 | 28.7 | 37.3 | 14.7 |
| 20 | 26.7 | 26.2 | 25.6 | 23.5 | 23.9 | 24.1 | 25.6 | 28.1 | 29.2 | 30.7 | 31.3 | 32.3 | 33.0 | 33.3 | 33.6 | 32.3 | 32.0 | 30.6 | 29.3 | 27.6 | 26.3 | 26.0 | 25.2 | 24.4 | 33.6 | 23.5 |
| 21 | 23.5 | 23.5 | 23.5 | 23.4 | 23.3 | 23.2 | 24.1 | 25.3 | 26.9 | 28.9 | 30.7 | 32.3 | 33.0 | 33.2 | 33.9 | 33.5 | 27.0 | 24.6 | 24.8 | 24.8 | 24.2 | 24.0 | 23.7 | 23.2 | 33.9 | 23.2 |
| 22 | 22.5 | 21.8 | 21.5 | 21.3 | 20.9 | 20.8 | 22.6 | 24.6 | 26.9 | 29.2 | 31.8 | 33.2 | 34.2 | 35.2 | 35.6 | 35.6 | 35.2 | 34.3 | 32.3 | 30.6 | 28.8 | 27.5 | 27.0 | 26.7 | 35.6 | 20.8 |
| 23 | 26.1 | 25.6 | 25.0 | 23.9 | 22.2 | 21.8 | 24.9 | 27.3 | 28.7 | 30.2 | 32.2 | 33.4 | 34.2 | 34.9 | 34.9 | 34.6 | 33.5 | 32.1 | 29.9 | 27.6 | 27.1 | 27.5 | 27.2 | 26.1 | 34.9 | 21.8 |
| 24 | 24.7 | 21.7 | 19.7 | 18.1 | 18.0 | 16.6 | 20.3 | 25.3 | 27.8 | 29.3 | 31.0 | 32.5 | 33.4 | 34.7 | 35.3 | 34.8 | 33.7 | 32.2 | 30.1 | 27.7 | 25.9 | 24.4 | 23.2 | 22.5 | 35.3 | 16.6 |
| 25 | 22.5 | 21.9 | 21.0 | 20.4 | 18.4 | 18.6 | 20.3 | 23.7 | 25.6 | 27.6 | 30.0 | 32.3 | 33.2 | 33.8 | 33.9 | 33.7 | 33.0 | 31.7 | 29.1 | 26.5 | 24.7 | 24.0 | 23.8 | 23.1 | 33.9 | 18.4 |
| 26 | 22.8 | 21.4 | 19.7 | 21.0 | 20.1 | 18.2 | 19.0 | 23.5 | 25.7 | 28.0 | 30.4 | 32.6 | 34.4 | 34.8 | 35.0 | 34.8 | 34.3 | 33.3 | 30.6 | 27.4 | 25.5 | 24.5 | 24.0 | 23.5 | 35.0 | 18.2 |
| 27 | 23.2 | 22.5 | 20.5 | 19.4 | 17.8 | 16.0 | 19.0 | 23.1 | 26.5 | 29.1 | 31.2 | 32.9 | 34.2 | 34.4 | 34.5 | 34.2 | 33.7 | 32.6 | 30.7 | 28.4 | 26.9 | 24.8 | 24.8 | 24.0 | 34.5 | 16.0 |
| 28 | 22.8 | 20.1 | 18.3 | 17.0 | 15.9 | 15.9 | 19.5 | 24.8 | 28.2 | 30.1 | 32.1 | 33.1 | 34.4 | 35.5 | 36.0 | 36.2 | 35.6 | 34.3 | 31.1 | 27.9 | 26.6 | 25.6 | 24.9 | 24.0 | 36.2 | 15.9 |
| 29 | 22.8 | 20.6 | 20.5 | 20.2 | 19.0 | 17.2 | 21.3 | 24.4 | 26.5 | 29.3 | 31.9 | 33.7 | 35.4 | 36.4 | 36.9 | 37.2 | 36.8 | 35.2 | 32.5 | 29.7 | 27.0 | 26.7 | 25.2 | 24.2 | 37.2 | 17.2 |
| 30 | 24.1 | 22.5 | 22.3 | 20.3 | 18.4 | 18.0 | 21.3 | 25.4 | 28.9 | 31.4 | 33.4 | 35.1 | 36.7 | 37.8 | 38.2 | 38.4 | 37.7 | 36.2 | 33.6 | 30.6 | 28.7 | 28.5 | 27.5 | 26.4 | 38.4 | 18.0 |
| 31 | 25.6 | 22.9 | 19.6 | 18.7 | 17.8 | 16.8 | 19.6 | 26.1 | 29.3 | 31.1 | 33.5 | 35.5 | 36.9 | 37.9 | 38.1 | 38.2 | 37.5 | 36.5 | 34.1 | 31.9 | 30.1 | 29.2 | 28.2 | 27.1 | 38.2 | 16.8 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Catalina Airport

ELEVATION : 1602 feet

PARAMETER : Ambient Temperature (Degrees C)

LATITUDE : 33 degrees 24 minutes 00 seconds

LONGITUDE : 118 degrees 24 minutes 30 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 24.0 | 23.6 | 23.3 | 22.5 | 22.1 | 22.6 | 23.1 | 24.3 | 24.7 | 25.1 | 26.2 | 26.2 | 25.8 | 25.9 | 25.1 | 25.1 | 25.0 | 25.1 | 24.9 | 23.9 | 24.2 | 24.5 | 24.9 | 24.4 | 26.2 | 22.1 |
| 2 | 23.4 | 23.7 | 23.7 | 23.0 | 23.2 | 23.7 | 24.4 | 24.2 | 24.4 | 25.7 | 26.0 | 25.8 | 24.7 | 25.6 | 25.7 | 24.9 | 25.7 | 25.8 | 26.0 | 26.6 | 23.9 | 22.5 | 22.2 | 23.3 | 26.6 | 22.2 |
| 3 | 24.3 | 24.3 | 23.9 | 25.4 | 25.8 | 25.0 | 24.8 | 25.8 | 26.7 | 27.6 | 28.1 | 29.6 | 31.0 | 30.3 | 29.0 | 27.4 | 29.0 | 27.9 | 27.4 | 26.0 | 24.2 | 24.2 | 24.7 | 20.8 | 31.0 | 20.8 |
| 4 | 21.4 | 22.1 | 21.9 | 18.2 | 23.3 | 23.6 | 22.7 | 24.5 | 25.4 | 24.1 | 25.0 | 26.9 | 24.5 | 25.3 | 27.2 | 27.4 | 26.9 | 25.7 | 24.3 | 23.6 | 24.9 | 24.7 | 23.3 | 21.8 | 27.4 | 18.2 |
| 5 | 21.6 | 22.9 | 22.9 | 22.3 | 22.4 | 24.0 | 24.0 | 25.0 | 27.4 | 28.9 | 27.3 | 27.5 | 27.8 | 27.6 | 25.9 | 26.1 | 25.9 | 24.9 | 26.2 | 25.8 | 25.4 | 25.3 | 25.1 | 22.7 | 28.9 | 21.6 |
| 6 | 23.0 | 24.2 | 23.1 | 23.7 | 22.7 | 22.5 | 24.0 | 26.2 | 27.0 | 27.9 | 27.9 | 27.5 | 26.5 | 28.3 | 28.3 | 27.2 | 25.4 | 26.3 | 25.4 | 25.9 | 25.5 | 25.5 | 24.6 | 24.9 | 28.3 | 22.5 |
| 7 | 25.4 | 25.2 | 25.6 | 25.7 | 24.7 | 23.3 | 23.2 | 24.7 | 26.9 | 28.1 | 28.9 | [SC] | [SC] | 29.6 | 30.6 | 30.3 | 26.9 | 27.4 | 27.6 | 27.3 | 26.3 | 26.2 | 27.3 | 27.2 | | |
| 8 | 26.8 | 27.6 | 27.2 | 25.6 | 27.9 | 28.2 | 26.5 | 26.9 | 28.1 | 28.1 | 28.7 | 28.9 | 28.6 | 29.2 | 28.3 | 28.7 | 28.7 | 27.7 | 25.4 | 24.7 | 24.2 | 24.5 | 23.7 | 23.4 | 29.2 | 23.4 |
| 9 | 22.6 | 23.3 | 24.0 | 24.0 | 23.2 | 22.8 | 23.0 | 23.9 | 24.2 | 25.3 | 25.7 | 25.3 | 26.2 | 25.3 | 24.9 | 24.2 | 22.1 | 20.3 | 20.6 | 20.8 | 22.9 | 22.2 | 22.9 | 23.6 | 26.2 | 20.3 |
| 10 | 22.6 | 20.6 | 21.3 | 22.8 | 22.7 | 22.5 | 22.9 | 19.8 | 18.9 | 20.4 | 22.1 | 23.1 | 23.1 | 24.1 | 22.4 | 21.5 | 22.6 | 25.0 | 23.5 | 21.3 | 20.5 | 19.8 | 19.5 | 20.2 | 25.0 | 18.9 |
| 11 | 19.6 | 20.4 | 22.2 | 21.6 | 21.7 | 22.1 | 21.5 | 22.3 | 25.1 | 26.2 | 25.9 | 26.7 | 27.0 | 25.7 | 25.8 | 25.2 | 24.3 | 23.9 | 23.5 | 23.5 | 24.8 | 24.2 | 23.9 | 24.9 | 27.0 | 19.6 |
| 12 | 25.0 | 24.8 | 24.7 | 25.2 | 25.2 | 24.4 | 24.7 | 26.7 | 28.1 | 28.2 | 28.9 | 29.2 | 28.5 | 27.2 | 27.6 | 27.4 | 27.9 | 25.8 | 23.9 | 23.9 | 23.5 | 23.6 | 24.0 | 24.1 | 29.2 | 23.5 |
| 13 | 24.2 | 24.5 | 24.8 | 25.0 | 25.7 | 25.6 | 25.7 | 26.2 | 26.1 | 27.4 | 28.1 | 27.8 | 27.0 | 27.7 | 27.7 | 27.2 | 27.3 | 26.6 | 25.8 | 24.5 | 25.3 | 25.3 | 25.2 | 26.1 | 28.1 | 24.2 |
| 14 | 25.7 | 25.3 | 24.7 | 25.0 | 25.0 | 24.7 | 24.2 | 25.0 | 23.9 | 24.2 | 23.9 | 24.5 | 22.8 | 23.5 | 22.6 | 22.2 | 20.4 | 22.7 | 23.0 | 22.6 | 21.5 | 20.2 | 19.8 | 15.0 | 25.7 | 15.0 |
| 15 | 13.3 | 13.3 | 13.5 | 13.8 | 13.3 | 13.1 | 13.1 | 14.8 | 16.5 | 18.0 | 18.8 | 19.6 | 20.9 | 19.1 | 19.1 | 17.6 | 16.3 | 15.2 | 18.0 | 20.0 | 18.8 | 16.9 | 15.2 | 13.9 | 20.9 | 13.1 |
| 16 | 12.3 | 12.6 | 12.7 | 12.5 | 11.9 | 12.1 | 12.0 | 12.5 | 14.9 | 16.5 | 17.3 | 17.9 | 17.4 | 16.7 | 16.3 | 15.2 | 13.9 | 13.3 | 12.7 | 12.4 | 12.5 | 12.4 | 12.3 | 12.9 | 17.9 | 11.9 |
| 17 | 13.0 | 13.1 | 12.6 | 12.7 | 12.6 | 12.6 | 13.1 | 14.5 | 16.1 | 17.6 | 18.8 | 19.6 | 20.5 | 19.5 | 19.2 | 18.4 | 18.6 | 19.9 | 19.8 | 20.0 | 20.1 | 20.0 | 19.6 | 16.9 | 20.5 | 12.6 |
| 18 | 16.2 | 16.8 | 16.0 | 15.0 | 14.7 | 14.3 | 15.8 | 18.6 | 19.5 | 20.6 | 21.1 | 20.9 | 20.8 | 19.8 | 19.4 | 19.4 | 19.0 | 17.9 | 18.8 | 20.0 | 20.0 | 20.2 | 19.4 | 19.5 | 21.1 | 14.3 |
| 19 | 19.2 | 19.2 | 19.4 | 19.9 | 19.5 | 19.5 | 20.0 | 20.8 | 21.8 | 21.5 | 22.0 | 21.7 | 22.0 | 21.7 | 20.7 | 20.7 | 20.3 | 20.5 | 21.3 | 21.0 | 21.1 | 19.0 | 15.3 | 17.2 | 22.0 | 15.3 |
| 20 | 18.6 | 16.4 | 19.4 | 17.3 | 14.6 | 16.5 | 16.2 | 17.9 | 19.2 | 19.6 | 17.7 | 18.6 | 19.2 | 18.7 | 19.9 | 19.7 | 17.1 | 16.1 | 15.1 | 18.7 | 19.8 | 18.9 | 17.9 | 17.8 | 19.9 | 14.6 |
| 21 | 18.0 | 13.6 | 18.6 | 18.9 | 19.1 | 19.5 | 19.8 | 19.6 | 19.5 | 21.2 | 20.4 | 19.3 | 21.1 | 21.1 | 20.4 | 20.4 | 19.8 | 19.6 | 18.5 | 20.7 | 22.8 | 23.6 | 23.4 | 24.1 | 24.1 | 13.6 |
| 22 | 23.3 | 22.3 | 21.5 | 22.3 | 21.9 | 22.9 | 22.2 | 23.7 | 25.3 | 25.6 | 24.6 | 24.4 | 22.8 | 22.7 | 20.9 | 20.7 | 20.1 | 19.9 | 20.6 | 21.2 | 22.1 | 22.5 | 21.2 | 21.2 | 25.6 | 19.9 |
| 23 | 21.5 | 20.8 | 21.6 | 21.2 | 20.3 | 17.6 | 18.4 | 19.9 | 19.6 | 20.0 | 22.4 | 24.0 | 24.2 | 23.4 | 23.4 | 23.2 | 21.9 | 17.5 | 14.7 | 15.0 | 17.4 | 20.7 | 21.2 | 20.8 | 24.2 | 14.7 |
| 24 | 22.0 | 19.7 | 18.6 | 18.5 | 18.2 | 19.6 | 20.8 | 21.1 | 22.6 | 24.5 | 25.6 | 24.1 | 24.5 | 24.3 | 25.1 | 23.5 | 25.1 | 26.0 | 24.9 | 24.2 | 23.9 | 23.4 | 23.6 | 22.8 | 26.0 | 18.2 |
| 25 | 24.0 | 24.0 | 24.0 | 23.6 | 24.3 | 24.2 | 23.7 | 24.6 | 25.9 | 26.7 | 26.6 | 25.5 | 25.8 | 25.8 | 26.6 | 26.7 | 26.0 | 24.9 | 22.8 | 20.7 | 20.5 | 20.6 | 21.7 | 22.1 | 26.7 | 20.5 |
| 26 | 22.6 | 22.6 | 22.8 | 22.0 | 22.9 | 23.2 | 23.3 | 23.5 | 24.4 | 23.8 | 25.4 | 25.2 | 25.7 | 25.8 | 26.2 | 26.0 | 25.3 | 25.2 | 24.9 | 24.5 | 24.1 | 24.3 | 24.2 | 23.7 | 26.2 | 22.0 |
| 27 | 23.9 | 24.6 | 23.9 | 24.4 | 24.0 | 24.5 | 25.0 | 25.9 | 26.7 | 25.5 | 26.9 | 27.2 | 27.5 | 26.6 | 27.2 | 26.9 | 26.6 | 25.9 | 25.3 | 25.2 | 26.0 | 26.5 | 26.6 | 26.5 | 27.5 | 23.9 |
| 28 | 26.6 | 26.2 | 26.5 | 26.5 | 26.6 | 27.0 | 27.4 | 28.0 | 28.8 | 29.7 | 29.5 | 29.4 | 30.4 | 29.7 | 28.7 | 28.2 | 27.8 | 26.9 | 26.4 | 27.2 | 27.7 | 27.4 | 26.9 | 28.2 | 30.4 | 26.2 |
| 29 | 28.4 | 28.6 | 28.3 | 28.8 | 29.4 | 29.6 | 29.5 | 30.0 | 30.5 | 31.6 | 32.0 | 31.7 | 31.8 | 32.0 | 31.4 | 29.8 | 28.2 | 27.8 | 27.0 | 26.6 | 27.4 | 29.1 | 29.2 | 29.3 | 32.0 | 26.6 |
| 30 | 28.9 | 28.1 | 28.6 | 29.8 | 29.5 | 29.7 | 29.5 | 31.1 | 31.7 | 32.9 | 32.8 | 31.7 | 32.2 | 30.8 | 29.6 | 30.8 | 28.8 | 25.5 | 26.2 | 28.2 | 27.6 | 26.5 | 27.4 | 28.6 | 32.9 | 25.5 |
| 31 | 29.3 | 29.2 | 28.9 | 29.2 | 29.2 | 28.3 | 27.3 | 28.3 | 29.7 | 30.1 | 30.2 | 31.0 | 31.2 | 29.8 | 28.9 | 27.2 | 26.8 | 25.3 | 25.7 | 26.8 | 26.8 | 26.5 | 26.0 | 25.7 | 31.2 | 25.3 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Flash II Mountain

ELEVATION : 3325 feet

PARAMETER : Ambient Temperature (Degrees C)

LATITUDE : 34 degrees 58 minutes 15 seconds

LONGITUDE : 117 degrees 02 minutes 22 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 28.2 | 27.6 | 26.6 | 26.2 | 25.9 | 26.2 | 26.3 | 27.1 | 29.3 | 32.3 | 35.0 | 36.7 | 38.7 | 39.7 | 39.3 | 39.3 | 39.0 | 37.9 | 35.8 | 33.5 | 31.1 | 29.4 | 28.5 | 28.1 | 39.7 | 25.9 |
| 2 | 27.5 | 27.0 | 27.0 | 26.7 | 26.3 | 25.4 | 25.8 | 26.8 | 28.6 | 31.7 | 34.3 | 36.4 | 37.5 | 38.3 | 39.2 | 38.9 | 38.3 | 36.7 | 34.8 | 32.8 | 30.9 | 29.5 | 28.9 | 28.0 | 39.2 | 25.4 |
| 3 | 27.4 | 27.2 | 26.7 | 26.5 | 26.3 | 26.0 | 26.1 | 27.0 | 29.2 | 32.1 | 34.4 | 36.1 | 37.1 | 38.0 | 38.4 | 38.0 | 37.2 | 35.2 | 32.9 | 30.6 | 29.2 | 28.0 | 27.2 | 26.4 | 38.4 | 26.0 |
| 4 | 25.9 | 25.6 | 25.4 | 25.5 | 24.5 | 24.5 | 25.3 | 26.6 | 28.5 | 30.5 | 32.0 | 33.7 | 34.9 | 35.5 | 36.3 | 36.0 | 35.6 | 34.4 | 32.4 | 30.2 | 28.0 | 26.6 | 26.2 | 25.8 | 36.3 | 24.5 |
| 5 | 25.1 | 25.0 | 24.5 | 24.1 | 24.0 | 24.2 | 24.2 | 25.3 | 27.6 | 30.4 | 32.6 | 34.0 | 35.1 | 35.9 | 36.3 | 35.9 | 35.3 | 34.2 | 32.5 | 30.7 | 28.8 | 27.6 | 26.9 | 25.8 | 36.3 | 24.0 |
| 6 | 25.2 | 24.2 | 23.1 | 22.6 | 22.6 | 22.1 | 22.2 | 23.5 | 26.4 | 29.6 | 32.0 | 34.6 | 36.7 | 37.4 | 37.5 | 37.5 | 36.8 | 35.7 | 33.7 | 31.7 | 30.1 | 29.0 | 28.3 | 27.4 | 37.5 | 22.1 |
| 7 | 26.9 | 26.5 | 26.3 | 25.7 | 25.3 | 25.2 | 25.6 | 26.9 | 28.3 | 31.2 | 33.1 | 35.1 | 35.9 | 36.1 | 36.7 | 36.7 | 36.1 | 35.2 | 33.5 | 31.3 | 29.3 | 27.9 | 26.7 | 25.8 | 36.7 | 25.2 |
| 8 | 25.2 | 24.4 | 23.9 | 23.5 | 23.2 | 22.7 | 22.8 | 24.6 | 27.1 | 30.3 | 33.2 | 34.7 | 36.1 | 36.8 | 38.1 | 38.1 | 37.7 | 36.7 | 34.3 | 32.2 | 30.8 | 29.3 | 28.4 | 27.6 | 38.1 | 22.7 |
| 9 | 26.9 | 26.6 | 26.3 | 26.0 | 26.0 | 26.2 | 26.6 | 27.9 | 30.1 | 32.4 | 34.7 | 35.9 | 37.9 | 37.8 | 38.4 | 38.1 | 37.6 | 36.2 | 34.4 | 32.2 | 30.6 | 29.7 | 28.0 | 27.2 | 38.4 | 26.0 |
| 10 | 26.8 | 26.6 | 25.3 | 25.1 | 25.0 | 25.0 | 25.4 | 26.4 | 27.7 | 29.9 | 32.4 | 33.8 | 34.8 | 35.5 | 36.3 | 35.7 | 35.0 | 33.2 | 31.3 | 29.3 | 27.9 | 26.0 | 24.4 | 23.2 | 36.3 | 23.2 |
| 11 | 22.0 | 21.4 | 20.5 | 20.8 | 20.5 | 20.9 | 22.1 | 22.9 | 25.4 | 28.8 | 30.6 | 32.7 | 34.2 | 34.9 | 35.1 | 35.5 | 35.0 | 33.9 | 31.9 | 29.7 | 28.6 | 27.0 | 25.7 | 25.1 | 35.5 | 20.5 |
| 12 | 24.7 | 24.3 | 24.1 | 24.4 | 25.1 | 25.1 | 26.1 | 29.0 | 29.5 | 30.2 | 31.4 | 32.9 | 34.0 | 35.4 | 35.5 | 36.0 | 35.2 | 33.4 | 31.5 | 30.0 | 28.6 | 27.1 | 25.6 | 25.2 | 36.0 | 24.1 |
| 13 | 24.2 | 23.7 | 23.5 | 22.9 | 22.8 | 22.9 | 23.6 | 24.7 | 26.3 | 29.3 | 32.1 | 33.6 | 34.2 | 35.8 | 36.1 | 36.0 | 35.8 | 34.0 | 31.8 | 29.6 | 27.8 | 26.6 | 25.9 | 25.1 | 36.1 | 22.8 |
| 14 | 24.3 | 23.9 | 23.1 | 22.3 | 21.9 | 21.6 | 21.6 | 22.6 | 24.6 | 27.6 | 30.3 | 32.1 | 34.1 | 35.4 | 36.1 | 36.5 | 35.9 | 34.4 | 32.1 | 28.9 | 27.6 | 26.6 | 25.5 | 24.9 | 36.5 | 21.6 |
| 15 | 24.9 | 25.1 | 24.4 | 23.1 | 22.8 | 24.2 | 25.0 | 27.3 | 29.0 | 30.1 | 31.3 | 31.5 | 33.1 | 34.8 | 35.0 | 35.0 | 34.8 | 33.1 | 30.1 | 27.3 | 25.4 | 24.1 | 23.7 | 23.3 | 35.0 | 22.8 |
| 16 | 22.5 | 22.5 | 22.0 | 21.9 | 22.2 | 22.4 | 21.7 | 22.2 | 24.2 | 26.5 | 29.3 | 30.6 | 31.3 | 31.9 | 31.9 | 31.8 | 30.9 | 29.3 | 27.2 | 25.3 | 24.1 | 23.1 | 22.0 | 21.1 | 31.9 | 21.1 |
| 17 | 20.4 | 20.1 | 19.1 | 18.3 | 17.7 | 17.4 | 17.5 | 19.3 | 22.1 | 24.2 | 26.0 | 27.6 | 29.9 | 30.4 | 30.9 | 30.3 | 29.3 | 27.4 | 25.0 | 23.3 | 21.7 | 20.2 | 19.5 | 18.6 | 30.9 | 17.4 |
| 18 | 18.0 | 17.7 | 17.0 | 16.5 | 15.7 | 15.3 | 16.0 | 17.2 | 19.5 | 22.4 | 25.8 | 28.2 | 30.6 | 31.9 | 32.8 | 33.3 | 33.0 | 32.2 | 30.8 | 30.2 | 28.1 | 25.7 | 24.1 | 23.3 | 33.3 | 15.3 |
| 19 | 22.1 | 21.7 | 21.9 | 21.9 | 21.3 | 21.4 | 22.4 | 23.9 | 24.7 | 27.8 | 31.5 | 33.6 | 34.1 | 35.2 | 36.0 | 35.8 | 35.4 | 34.4 | 33.0 | 30.5 | 29.4 | 28.5 | 27.5 | 27.1 | 36.0 | 21.3 |
| 20 | 27.2 | 26.8 | 26.8 | 26.1 | 25.7 | 25.1 | 25.1 | 25.4 | 25.8 | 26.4 | 27.8 | 29.2 | 29.6 | 29.6 | 29.4 | 29.1 | 28.3 | 27.3 | 26.9 | 26.5 | 26.4 | 26.0 | 25.7 | 25.5 | 29.6 | 25.1 |
| 21 | 25.3 | 24.9 | 24.6 | 24.2 | 24.0 | 24.0 | 24.8 | 25.7 | 27.0 | 29.4 | 30.6 | 30.0 | 30.8 | 31.5 | 31.5 | 27.9 | 24.2 | 25.6 | 26.7 | 25.2 | 25.8 | 25.5 | 23.5 | 23.9 | 31.5 | 23.5 |
| 22 | 23.7 | 23.4 | 22.7 | 21.6 | 21.3 | 21.9 | 22.4 | 23.5 | 26.0 | 29.2 | 33.2 | 34.6 | 34.8 | 35.3 | 34.9 | 30.5 | 31.1 | 32.3 | 31.7 | 30.2 | 28.4 | 27.4 | 26.7 | 25.7 | 35.3 | 21.3 |
| 23 | 25.4 | 25.2 | 24.4 | 23.9 | 23.8 | 23.8 | 24.3 | 25.8 | 27.4 | 29.6 | 30.9 | 32.3 | 33.5 | 34.3 | 35.1 | 34.3 | 33.0 | 31.5 | 29.6 | 27.7 | 26.4 | 25.4 | 24.7 | 24.3 | 35.1 | 23.8 |
| 24 | 24.1 | 23.5 | 23.1 | 22.2 | 21.3 | 21.3 | 22.5 | 24.7 | 26.4 | 28.0 | 29.5 | 31.0 | 32.5 | 33.5 | 34.3 | 34.1 | 33.3 | 31.7 | 29.6 | 27.9 | 26.1 | 24.5 | 23.5 | 22.5 | 34.3 | 21.3 |
| 25 | 22.3 | 22.1 | 21.6 | 20.6 | 20.6 | 20.3 | 20.1 | 21.9 | 24.0 | 26.7 | 28.7 | 30.2 | 31.9 | 33.1 | 33.7 | 33.2 | 32.3 | 30.9 | 28.9 | 27.0 | 26.0 | 25.3 | 23.6 | 22.3 | 33.7 | 20.1 |
| 26 | 21.7 | 21.9 | 20.6 | 20.4 | 20.1 | 19.7 | 19.7 | 20.7 | 23.2 | 26.1 | 28.6 | 30.5 | 32.3 | 33.5 | 33.5 | 33.3 | 32.5 | 31.3 | 29.9 | 28.7 | 26.9 | 25.8 | 23.8 | 23.1 | 33.5 | 19.7 |
| 27 | 22.5 | 22.4 | 22.2 | 21.5 | 20.8 | 20.6 | 21.6 | 22.7 | 24.5 | 27.2 | 29.9 | 31.5 | 33.0 | 33.8 | 33.9 | 34.4 | 33.5 | 31.5 | 29.7 | 28.4 | 27.3 | 26.2 | 25.1 | 24.7 | 34.4 | 20.6 |
| 28 | 24.3 | 24.0 | 23.6 | 22.8 | 23.5 | 24.2 | 23.4 | 25.2 | 26.4 | 28.2 | 30.1 | 32.1 | 33.2 | 34.3 | 35.0 | 35.2 | 34.3 | 33.0 | 31.1 | 28.9 | 27.4 | 26.3 | 25.3 | 24.1 | 35.2 | 22.8 |
| 29 | 23.3 | 22.1 | 21.7 | 20.9 | 20.5 | 20.3 | 21.0 | 21.8 | 24.2 | 27.5 | 30.6 | 32.7 | 33.9 | 34.9 | 35.3 | 35.7 | 35.5 | 34.2 | 32.2 | 30.1 | 28.5 | 27.4 | 26.1 | 25.2 | 35.7 | 20.3 |
| 30 | 24.4 | 24.1 | 23.7 | 23.1 | 22.6 | 22.8 | 23.1 | 23.9 | 25.9 | 29.0 | 31.6 | 33.7 | 35.4 | 36.2 | 36.9 | 37.0 | 36.5 | 35.4 | 33.2 | 31.0 | 29.5 | 28.0 | 27.2 | 26.5 | 37.0 | 22.6 |
| 31 | 26.3 | 26.0 | 25.6 | 25.5 | 25.5 | 25.5 | 25.8 | 26.9 | 28.8 | 31.0 | 32.8 | 34.3 | 35.8 | 36.6 | 36.9 | 36.9 | 36.3 | 35.9 | 33.5 | 31.6 | 29.8 | 28.9 | 28.5 | 28.0 | 36.9 | 25.5 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Ludlow

LATITUDE : 34 degrees 42 minutes 36 seconds

MONTH : August

ELEVATION : 1782 feet

LONGITUDE : 116 degrees 09 minutes 15 seconds

YEAR : 1995

PARAMETER : Ambient 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 | 34.7 | 33.9 | 33.1 | 31.9 | 31.4 | 31.6 | 33.1 | 35.0 | 37.1 | 38.8 | 40.4 | 41.9 | 42.6 | 43.5 | 43.6 | 43.1 | 42.6 | 42.9 | 42.0 | 40.7 | 39.0 | 37.5 | 36.0 | 35.0 | 43.6 | 31.4 |
| 2 | 34.1 | 33.4 | 32.7 | 32.1 | 31.4 | 31.2 | 32.4 | 34.1 | 36.6 | 39.3 | 40.7 | 41.7 | 42.5 | 43.3 | 43.8 | 44.0 | 43.8 | 43.5 | 42.1 | 39.9 | 38.1 | 37.2 | 36.0 | 35.0 | 44.0 | 31.2 |
| 3 | 33.3 | 33.2 | 32.5 | 31.1 | 30.3 | 31.0 | 32.7 | 34.5 | 36.6 | 38.2 | 40.2 | 41.5 | 42.7 | 43.2 | 43.5 | 43.5 | 43.2 | 42.0 | 40.3 | 38.4 | 37.0 | 35.9 | 33.8 | 32.6 | 43.5 | 30.3 |
| 4 | 31.3 | 30.6 | 30.0 | 29.4 | 29.1 | 29.0 | 30.4 | 32.3 | 33.6 | 35.4 | 37.1 | 38.7 | 40.5 | 42.1 | 43.2 | 43.2 | 42.9 | 41.7 | 39.7 | 37.6 | 35.9 | 34.4 | 33.3 | 32.3 | 43.2 | 29.0 |
| 5 | 30.7 | 30.5 | 30.1 | 28.9 | 27.5 | 27.6 | 29.7 | 31.7 | 33.9 | 35.7 | 36.9 | 38.2 | 39.8 | 40.6 | 41.3 | 41.8 | 42.1 | 41.5 | 39.7 | 37.8 | 36.1 | 34.7 | 33.4 | 32.6 | 42.1 | 27.5 |
| 6 | 31.3 | 30.6 | 29.8 | 28.8 | 28.2 | 28.0 | 29.6 | 31.4 | 33.2 | 35.0 | 37.3 | 39.9 | 41.3 | 41.9 | 42.5 | 42.7 | 42.5 | 42.2 | 40.8 | 38.9 | 37.5 | 35.9 | 35.5 | 34.8 | 42.7 | 28.0 |
| 7 | 33.3 | 32.1 | 31.5 | 31.2 | 30.3 | 30.1 | 31.3 | 33.3 | 35.6 | 37.9 | 39.3 | 40.2 | 41.1 | 41.5 | 41.3 | 41.2 | 41.8 | 41.5 | 40.4 | 38.6 | 37.3 | 35.9 | 34.7 | 33.4 | 41.8 | 30.1 |
| 8 | 33.0 | 31.5 | 30.6 | 30.2 | 29.4 | 29.8 | 30.5 | 31.7 | 33.8 | 35.5 | 37.5 | 38.6 | 39.9 | 41.0 | 42.0 | 41.7 | 42.1 | 41.7 | 41.0 | 39.8 | 38.5 | 37.2 | 36.0 | 34.7 | 42.1 | 29.4 |
| 9 | 33.3 | 32.3 | 31.8 | 31.3 | 30.8 | 30.6 | 31.8 | 33.4 | 35.3 | 37.7 | 39.7 | 41.4 | 41.7 | 42.6 | 43.3 | 43.4 | 42.5 | 42.2 | 40.8 | 39.3 | 38.1 | 37.0 | 35.8 | 34.6 | 43.4 | 30.6 |
| 10 | 34.0 | 33.1 | 32.5 | 31.3 | 31.0 | 30.8 | 31.1 | 31.3 | 33.1 | 34.6 | 35.1 | 36.9 | 38.5 | 39.4 | 40.5 | 40.7 | 40.4 | 40.6 | 39.3 | 36.6 | 35.0 | 33.6 | 32.7 | 31.7 | 40.7 | 30.8 |
| 11 | 30.4 | 29.1 | 28.4 | 27.5 | 26.6 | 26.4 | 27.5 | 29.3 | 31.6 | 34.1 | 36.4 | 38.0 | 39.4 | 40.0 | 40.5 | 40.3 | 40.7 | 40.1 | 38.5 | 36.7 | 35.3 | 34.4 | 33.4 | 32.0 | 40.7 | 26.4 |
| 12 | 31.0 | 30.5 | 29.6 | 29.7 | 29.2 | 28.7 | 29.4 | 30.5 | 31.4 | 32.6 | 34.0 | 35.3 | 36.3 | 36.9 | 35.2 | 29.9 | 31.6 | 33.3 | 33.6 | 31.7 | 30.3 | 29.8 | 29.2 | 29.0 | 36.9 | 28.7 |
| 13 | 29.2 | 29.3 | 28.7 | 28.3 | 27.8 | 27.5 | 28.8 | 30.6 | 32.6 | 34.2 | 35.8 | 37.1 | 38.0 | 39.1 | 39.7 | 40.2 | 40.3 | 39.9 | 38.8 | 37.5 | 35.6 | 34.3 | 33.3 | 33.2 | 40.3 | 27.5 |
| 14 | 31.7 | 30.2 | 29.5 | 28.3 | 27.7 | 27.5 | 28.5 | 29.8 | 32.6 | 33.8 | 35.2 | 36.9 | 38.2 | 39.0 | 40.0 | 40.4 | 40.4 | 40.3 | 39.1 | 37.5 | 36.3 | 34.9 | 33.7 | 32.4 | 40.4 | 27.5 |
| 15 | 31.1 | 29.7 | 28.4 | 28.3 | 28.1 | 27.6 | 28.3 | 29.5 | 30.8 | 32.1 | 33.4 | 34.8 | 36.1 | 36.8 | 37.6 | 37.8 | 37.7 | 37.1 | 36.7 | 35.8 | 34.4 | 32.9 | 30.7 | 30.3 | 37.8 | 27.6 |
| 16 | 28.6 | 26.7 | 27.0 | 25.8 | 25.0 | 24.4 | 26.2 | 28.6 | 30.3 | 32.3 | 33.9 | 34.7 | 36.6 | 37.8 | 38.6 | 39.1 | 38.5 | 37.0 | 34.8 | 32.8 | 31.4 | 30.4 | 29.2 | 28.3 | 39.1 | 24.4 |
| 17 | 27.3 | 26.8 | 26.4 | 25.9 | 24.8 | 24.1 | 25.8 | 27.8 | 29.1 | 30.5 | 33.0 | 34.4 | 35.9 | 37.1 | 37.7 | 37.7 | 38.0 | 36.9 | 33.9 | 31.5 | 29.7 | 28.8 | 27.6 | 26.5 | 38.0 | 24.1 |
| 18 | 25.7 | 24.7 | 23.9 | 22.7 | 22.3 | 22.1 | 22.8 | 24.6 | 26.3 | 29.1 | 31.3 | 32.7 | 33.8 | 35.2 | 35.7 | 36.5 | 36.6 | 36.5 | 35.3 | 33.3 | 31.1 | 30.5 | 28.6 | 27.1 | 36.6 | 22.1 |
| 19 | 28.5 | 28.2 | 27.6 | 26.9 | 26.4 | 25.9 | 27.1 | 28.6 | 30.7 | 33.2 | 34.8 | 36.8 | 37.9 | 38.6 | 38.2 | 38.3 | 38.3 | 37.2 | 35.7 | 34.5 | 34.3 | 33.7 | 33.1 | 32.7 | 38.6 | 25.9 |
| 20 | 32.1 | 31.4 | 30.2 | 29.3 | 28.1 | 27.4 | 25.7 | 24.7 | 24.9 | 26.7 | 27.3 | 28.5 | 29.6 | 31.3 | 32.2 | 32.2 | 32.5 | 32.0 | 31.7 | 31.6 | 31.2 | 30.8 | 30.0 | 29.1 | 32.5 | 24.7 |
| 21 | 28.6 | 28.4 | 28.1 | 27.7 | 27.1 | 25.3 | 24.7 | 26.4 | 28.5 | 29.7 | 32.1 | 33.1 | 34.0 | 35.1 | 34.2 | 33.9 | 33.9 | 33.5 | 32.8 | 31.4 | 30.6 | 30.3 | 29.8 | 29.8 | 35.1 | 24.7 |
| 22 | 29.4 | 28.9 | 28.3 | 27.9 | 27.5 | 27.5 | 28.5 | 29.7 | 31.7 | 33.7 | 35.2 | 36.4 | 37.3 | 38.0 | 38.5 | 38.8 | 38.8 | 38.3 | 37.3 | 36.7 | 35.3 | 34.7 | 33.8 | 32.6 | 38.8 | 27.5 |
| 23 | 32.3 | 31.9 | 31.5 | 30.5 | 29.8 | 29.7 | 30.6 | 32.1 | 34.0 | 36.0 | 36.8 | 37.6 | 38.4 | 38.9 | 40.4 | 40.6 | 40.9 | 36.8 | 36.3 | 34.7 | 33.6 | 32.1 | 30.0 | 29.0 | 40.9 | 29.0 |
| 24 | 27.2 | 26.0 | 25.3 | 24.0 | 24.2 | 24.3 | 26.4 | 29.4 | 31.4 | 32.9 | 33.9 | 35.0 | 36.4 | 36.9 | 37.7 | 38.5 | 38.1 | 38.1 | 37.2 | 35.4 | 34.1 | 32.1 | 31.6 | 30.3 | 38.5 | 24.0 |
| 25 | 28.6 | 27.8 | 27.4 | 27.0 | 26.4 | 26.0 | 27.1 | 28.7 | 30.9 | 32.3 | 33.8 | 35.0 | 36.7 | 37.6 | 38.7 | 38.9 | 38.7 | 37.6 | 35.8 | 34.2 | 32.8 | 31.1 | 29.7 | 28.0 | 38.9 | 26.0 |
| 26 | 27.4 | 26.6 | 26.0 | 25.1 | 24.7 | 24.4 | 25.0 | 26.7 | 29.0 | 30.7 | 32.9 | 34.6 | 36.5 | 37.5 | 38.3 | 38.1 | 38.5 | 38.3 | 36.3 | 34.3 | 32.3 | 31.7 | 30.6 | 30.0 | 38.5 | 24.4 |
| 27 | 28.4 | 27.4 | 27.7 | 27.0 | 26.3 | 26.0 | 26.9 | 28.6 | 30.8 | 32.8 | 34.9 | 36.2 | 37.1 | 37.9 | 38.1 | 38.4 | 38.9 | 37.6 | 36.0 | 35.0 | 33.9 | 32.4 | 31.0 | 30.9 | 38.9 | 26.0 |
| 28 | 28.4 | 28.5 | 28.1 | 27.7 | 27.1 | 26.8 | 28.3 | 29.9 | 31.5 | 33.2 | 34.9 | 36.0 | 37.5 | 38.4 | 39.3 | 39.0 | 39.0 | 39.2 | 37.7 | 36.1 | 34.4 | 33.3 | 32.3 | 31.6 | 39.3 | 26.8 |
| 29 | 30.9 | 29.4 | 28.4 | 27.3 | 26.7 | 26.7 | 27.6 | 29.3 | 31.6 | 33.7 | 35.8 | 37.3 | 38.6 | 39.4 | 40.1 | 40.4 | 40.4 | 39.9 | 38.1 | 36.3 | 35.5 | 34.2 | 33.2 | 33.2 | 40.4 | 26.7 |
| 30 | 31.6 | 30.6 | 29.3 | 28.5 | 28.0 | 27.5 | 28.4 | 30.5 | 32.6 | 34.4 | 36.1 | 37.9 | 39.6 | 40.0 | 40.7 | 41.0 | 41.2 | 40.8 | 39.3 | 37.6 | 36.2 | 35.7 | 34.8 | 33.6 | 41.2 | 27.5 |
| 31 | 32.5 | 31.5 | 30.6 | 30.2 | 29.6 | 29.4 | 30.3 | 32.0 | 34.6 | 36.5 | 37.7 | 39.2 | 40.1 | 41.0 | 41.3 | 40.8 | 40.5 | 40.2 | 38.9 | 38.3 | 37.4 | 36.2 | 35.3 | 34.6 | 41.3 | 29.4 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Palmdale

ELEVATION : 2760 feet

PARAMETER : Ambient Temperature (Degrees C)

LATITUDE : 34 degrees 33 minutes 26 seconds

LONGITUDE : 118 degrees 06 minutes 46 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 28.3 | 27.7 | 27.6 | 27.8 | 28.3 | 27.7 | 28.7 | 31.8 | 34.2 | 35.4 | 36.5 | 36.9 | 37.3 | 36.8 | 36.6 | 35.8 | 34.8 | 32.9 | 30.9 | 30.0 | 29.2 | 29.6 | 28.8 | 29.3 | 37.3 | 27.6 |
| 2 | 28.9 | 28.9 | 28.8 | 28.1 | 27.6 | 27.7 | 29.6 | 33.0 | 34.0 | 35.3 | 36.1 | 36.5 | 36.9 | 36.5 | 36.0 | 35.4 | 34.4 | 33.3 | 31.8 | 30.6 | 30.3 | 29.6 | 29.3 | 28.4 | 36.9 | 27.6 |
| 3 | 28.8 | 28.1 | 28.4 | 28.5 | 27.8 | 27.8 | 29.8 | 31.8 | 33.0 | 34.3 | 35.4 | 35.5 | 35.8 | 35.7 | 35.3 | 34.8 | 33.3 | 31.9 | 30.2 | 28.6 | 27.2 | 26.1 | 27.6 | 27.1 | 35.8 | 26.1 |
| 4 | 26.5 | 26.5 | 27.0 | 25.8 | 25.2 | 25.7 | 28.0 | 29.4 | 30.4 | 31.7 | 32.5 | 33.1 | 33.9 | 33.8 | 33.5 | 33.1 | 32.6 | 31.1 | 29.5 | 28.6 | 28.2 | 28.5 | 27.6 | 28.5 | 33.9 | 25.2 |
| 5 | 27.8 | 26.9 | 25.4 | 24.1 | 23.3 | 23.3 | 25.9 | 28.9 | 30.3 | 31.8 | 33.0 | 33.6 | 34.2 | 34.6 | 34.2 | 33.7 | 32.8 | 31.6 | 29.9 | 27.9 | 26.2 | 25.5 | 25.6 | 24.4 | 34.6 | 23.3 |
| 6 | 26.0 | 23.8 | 23.0 | 22.3 | 22.4 | 22.9 | 26.2 | 29.3 | 32.6 | 34.0 | 35.2 | 36.0 | 36.2 | 36.1 | 35.9 | 35.1 | 34.2 | 33.0 | 31.4 | 29.9 | 28.7 | 27.5 | 28.6 | 27.8 | 36.2 | 22.3 |
| 7 | 27.4 | 27.8 | 26.9 | 26.9 | 26.5 | 27.2 | 29.9 | 32.8 | 33.8 | 34.2 | 34.4 | 35.0 | 35.5 | 35.9 | 35.8 | 34.7 | 34.3 | 33.2 | 32.0 | 30.0 | 27.9 | 26.8 | 25.2 | 24.9 | 35.9 | 24.9 |
| 8 | 23.0 | 22.5 | 21.3 | 20.6 | 20.9 | 21.4 | 25.6 | 27.9 | 29.5 | 31.7 | 35.2 | 36.5 | 36.8 | 37.0 | 36.7 | 36.0 | 34.9 | 33.7 | 31.8 | 29.3 | 28.1 | 27.6 | 26.6 | 26.7 | 37.0 | 20.6 |
| 9 | 26.6 | 25.8 | 26.1 | 25.5 | 25.3 | 25.5 | 27.0 | 29.0 | 33.0 | 34.3 | 35.2 | 35.7 | 36.0 | 36.1 | 36.3 | 35.8 | 34.9 | 33.7 | 31.0 | 29.0 | 29.7 | 29.5 | 29.1 | 28.2 | 36.3 | 25.3 |
| 10 | 26.8 | 27.7 | 26.5 | 25.7 | 25.2 | 25.9 | 28.2 | 30.5 | 31.9 | 33.0 | 33.6 | 34.2 | 34.4 | 34.2 | 33.7 | 32.8 | 32.1 | 30.4 | 28.4 | 27.3 | 26.5 | 25.6 | 24.9 | 22.8 | 34.4 | 22.8 |
| 11 | 22.6 | 20.7 | 19.6 | 19.2 | 19.1 | 20.4 | 21.9 | 24.2 | 26.3 | 29.2 | 31.7 | 33.0 | 33.7 | 33.9 | 33.7 | 33.5 | 33.0 | 31.7 | 29.3 | 27.4 | 26.9 | 25.3 | 24.5 | 24.3 | 33.9 | 19.1 |
| 12 | 23.0 | 22.6 | 22.1 | 21.0 | 20.5 | 20.7 | 23.4 | 27.1 | 29.1 | 30.5 | 32.9 | 34.0 | 34.4 | 34.3 | 33.9 | 33.4 | 32.8 | 31.7 | 29.3 | 27.6 | 27.2 | 26.8 | 25.3 | 24.0 | 34.4 | 20.5 |
| 13 | 23.9 | 24.0 | 23.1 | 22.8 | 22.3 | 22.4 | 24.0 | 25.6 | 27.5 | 30.7 | 33.6 | 34.5 | 34.8 | 35.0 | 34.6 | 33.9 | 32.8 | 31.4 | 28.9 | 26.8 | 26.4 | 26.4 | 26.9 | 26.5 | 35.0 | 22.3 |
| 14 | 25.4 | 24.4 | 23.1 | 22.1 | 21.2 | 21.9 | 24.8 | 28.0 | 29.1 | 31.8 | 33.5 | 34.2 | 34.6 | 34.5 | 33.8 | 33.2 | 32.5 | 30.9 | 29.2 | 27.5 | 26.8 | 26.4 | 26.6 | 24.8 | 34.6 | 21.2 |
| 15 | 23.8 | 23.8 | 23.1 | 22.3 | 20.7 | 20.7 | 22.6 | 26.2 | 28.5 | 30.3 | 31.6 | 32.2 | 32.6 | 32.6 | 32.4 | 31.5 | 30.5 | 29.4 | 27.1 | 25.3 | 24.6 | 23.9 | 22.0 | 22.6 | 32.6 | 20.7 |
| 16 | 22.7 | 21.9 | 20.5 | 19.8 | 20.3 | 22.0 | 25.5 | 25.6 | 26.6 | 27.6 | 28.8 | 29.4 | 29.8 | 29.6 | 29.3 | 28.6 | 27.8 | 26.2 | 24.5 | 24.3 | 23.6 | 24.0 | 24.5 | 23.3 | 29.8 | 19.8 |
| 17 | 20.9 | 19.6 | 21.1 | 19.7 | 18.6 | 18.9 | 21.6 | 23.6 | 25.3 | 26.4 | 27.2 | 28.1 | 28.7 | 28.8 | 28.3 | 27.8 | 26.9 | 25.9 | 24.1 | 22.7 | 22.0 | 21.3 | 19.8 | 19.6 | 28.8 | 18.6 |
| 18 | 19.9 | 20.4 | 18.8 | 17.9 | 17.0 | 16.8 | 19.3 | 22.0 | 24.0 | 25.8 | 27.3 | 28.5 | 30.0 | 31.2 | 32.3 | 32.6 | 30.5 | 28.9 | 26.7 | 25.5 | 24.2 | 23.5 | 21.9 | 21.0 | 32.6 | 16.8 |
| 19 | 20.4 | 19.8 | 19.8 | 18.4 | 17.9 | 17.8 | 20.8 | 25.3 | 26.6 | 28.5 | 30.3 | 32.3 | 34.1 | 35.0 | 35.7 | 35.0 | 34.3 | 32.0 | 30.2 | 29.2 | 28.3 | 27.8 | 27.3 | 26.8 | 35.7 | 17.8 |
| 20 | 25.4 | 24.7 | 23.8 | 23.2 | 22.0 | 22.8 | 24.6 | 27.8 | 29.1 | 30.0 | 31.1 | 32.4 | 33.0 | 33.1 | 32.3 | 30.9 | 29.9 | 26.7 | 27.4 | 26.4 | 25.4 | 25.0 | 24.5 | 23.6 | 33.1 | 22.0 |
| 21 | 23.1 | 22.7 | 23.0 | 23.4 | 23.6 | 23.7 | 24.6 | 25.6 | 26.6 | 27.8 | 28.5 | 29.9 | 30.5 | 30.0 | 29.9 | 31.7 | 30.8 | 28.5 | 27.4 | 26.4 | 24.8 | 23.8 | 23.3 | 23.3 | 31.7 | 22.7 |
| 22 | 23.0 | 22.4 | 21.6 | 20.8 | 20.4 | 20.9 | 23.5 | 27.1 | 27.6 | 28.8 | 29.9 | 31.3 | 32.6 | 33.1 | 33.6 | 32.4 | 31.6 | 30.2 | 28.8 | 28.3 | 27.3 | 27.0 | 26.6 | 25.7 | 33.6 | 20.4 |
| 23 | 25.9 | 24.9 | 24.9 | 24.3 | 23.4 | 23.7 | 25.3 | 27.5 | 28.7 | 30.0 | 31.0 | 31.3 | 31.8 | 32.1 | 31.9 | 31.4 | 30.8 | 29.5 | 27.5 | 25.1 | 24.2 | 22.7 | 23.6 | 22.2 | 32.1 | 22.2 |
| 24 | 22.7 | 21.2 | 20.6 | 19.3 | 18.8 | 19.4 | 21.6 | 24.5 | 26.3 | 28.3 | 30.8 | 32.1 | 32.5 | 32.6 | 32.4 | 32.0 | 31.2 | 29.8 | 27.1 | 25.5 | 24.7 | 24.1 | 23.5 | 23.7 | 32.6 | 18.8 |
| 25 | 23.8 | 23.5 | 23.2 | 22.8 | 21.6 | 20.0 | 22.6 | 24.9 | 27.9 | 29.5 | 30.8 | 31.4 | 31.6 | 32.0 | 31.6 | 31.0 | 30.2 | 29.0 | 27.1 | 26.5 | 25.1 | 24.3 | 23.1 | 22.1 | 32.0 | 20.0 |
| 26 | 21.9 | 21.1 | 21.0 | 19.1 | 18.5 | 17.8 | 20.6 | 24.0 | 26.3 | 29.7 | 31.1 | 31.6 | 31.9 | 32.3 | 32.3 | 31.9 | 31.5 | 30.2 | 27.8 | 26.2 | 25.0 | 23.2 | 23.0 | 22.1 | 32.3 | 17.8 |
| 27 | 20.8 | 22.4 | 22.1 | 22.9 | 23.2 | 22.5 | 23.9 | 26.7 | 30.0 | 30.8 | 31.5 | 32.3 | 32.8 | 32.7 | 32.1 | 31.8 | 31.1 | 29.9 | 28.4 | 27.5 | 27.2 | 26.9 | 25.9 | 24.2 | 32.8 | 20.8 |
| 28 | 23.4 | 22.6 | 22.5 | 21.9 | 21.5 | 21.6 | 23.8 | 28.0 | 30.2 | 31.5 | 32.2 | 32.8 | 33.4 | 33.6 | 33.7 | 33.2 | 32.8 | 31.7 | 29.7 | 27.8 | 26.5 | 24.8 | 23.3 | 22.0 | 33.7 | 21.5 |
| 29 | 21.4 | 20.8 | 19.9 | 19.2 | 19.4 | 19.6 | 23.1 | 27.2 | 28.5 | 29.8 | 32.8 | 34.4 | 34.6 | 35.0 | 34.9 | 34.7 | 33.8 | 32.0 | 30.2 | 28.8 | 28.2 | 27.8 | 26.5 | 24.6 | 35.0 | 19.2 |
| 30 | 24.7 | 23.8 | 25.2 | 24.3 | 23.6 | 23.0 | 25.4 | 29.8 | 31.2 | 32.7 | 33.9 | 35.0 | 35.6 | 35.8 | 35.5 | 35.2 | 34.0 | 32.6 | 30.8 | 29.7 | 29.5 | 26.7 | 27.4 | 26.0 | 35.8 | 23.0 |
| 31 | 26.1 | 24.8 | 24.4 | 23.5 | 23.0 | 22.3 | 24.6 | 27.4 | 29.8 | 32.5 | 34.3 | 35.2 | 35.8 | 36.3 | 36.1 | 35.8 | 34.6 | 33.1 | 31.3 | 30.2 | 29.4 | 28.1 | 27.8 | 26.8 | 36.3 | 22.3 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Quartzite Mountain

LATITUDE : 34 degrees 36 minutes 38 seconds

MONTH : August

ELEVATION : 4482 feet

LONGITUDE : 117 degrees 17 minutes 20 seconds

YEAR : 1995

PARAMETER : Ambient 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 | 27.1 | 27.1 | 26.8 | 26.3 | 26.5 | 26.6 | 27.0 | 27.8 | 29.8 | 32.3 | 32.7 | 33.7 | 35.4 | 34.9 | 34.3 | 34.5 | 33.1 | 31.4 | 28.8 | 26.8 | 27.4 | 27.8 | 27.1 | 26.4 | 35.4 | 26.3 |
| 2 | 26.7 | 26.4 | 26.2 | 26.3 | 25.9 | 25.6 | 25.9 | 26.8 | 28.6 | 30.1 | 32.8 | 33.7 | 34.3 | 33.9 | 33.4 | 32.4 | 31.8 | 30.7 | 29.1 | 27.4 | 26.7 | 27.2 | 27.2 | 26.8 | 34.3 | 25.6 |
| 3 | 26.5 | 25.7 | 26.3 | 26.3 | 25.7 | 26.2 | 26.0 | 27.2 | 28.3 | 30.0 | 31.5 | 32.6 | 33.3 | 33.2 | 32.8 | 31.8 | 30.7 | 29.0 | 26.8 | 25.6 | 25.5 | 25.6 | 23.9 | 24.4 | 33.3 | 23.9 |
| 4 | 24.3 | 23.8 | 23.7 | 23.0 | 23.0 | 23.3 | 23.6 | 24.4 | 26.1 | 27.2 | 27.9 | 29.0 | 29.2 | 29.6 | 30.2 | 30.2 | 29.7 | 28.5 | 26.8 | 24.8 | 24.3 | 23.6 | 24.2 | 24.7 | 30.2 | 23.0 |
| 5 | 24.1 | 22.5 | 22.4 | 22.5 | 22.1 | 22.2 | 23.0 | 24.0 | 26.4 | 28.5 | 30.1 | 31.3 | 32.5 | 33.6 | 33.4 | 32.7 | 32.2 | 30.9 | 27.8 | 25.7 | 25.2 | 25.3 | 25.2 | 24.8 | 33.6 | 22.1 |
| 6 | 24.4 | 24.6 | 23.7 | 23.0 | 23.7 | 24.2 | 25.0 | 25.6 | 27.9 | 29.5 | 31.8 | 33.2 | 34.4 | 34.4 | 34.3 | 34.3 | 32.9 | 32.2 | 29.5 | 28.6 | 28.1 | 27.5 | 26.7 | 26.3 | 34.4 | 23.0 |
| 7 | 26.4 | 26.7 | 26.3 | 26.0 | 25.7 | 25.9 | 26.7 | 27.8 | 28.8 | 29.7 | 31.3 | 32.6 | 33.9 | 33.1 | 33.3 | 32.5 | 32.7 | 32.1 | 30.5 | 28.5 | 27.1 | 26.1 | 25.0 | 24.9 | 33.9 | 24.9 |
| 8 | 24.7 | 23.7 | 23.9 | 24.4 | 25.0 | 25.0 | 25.4 | 26.7 | 29.2 | 30.9 | 31.3 | 31.9 | 33.5 | 33.7 | 34.3 | 33.4 | 32.7 | 31.5 | 29.7 | 28.4 | 28.2 | 27.6 | 27.3 | 26.5 | 34.3 | 23.7 |
| 9 | 26.2 | 26.4 | 25.6 | 25.4 | 25.6 | 26.1 | 26.6 | 27.5 | 28.5 | 30.3 | 32.5 | 32.6 | 33.1 | 32.9 | 33.4 | 33.0 | 31.9 | 30.7 | 28.5 | 27.5 | 26.6 | 26.4 | 25.2 | 24.8 | 33.4 | 24.8 |
| 10 | 24.5 | 25.0 | 23.9 | 23.8 | 24.7 | 24.5 | 24.4 | 25.0 | 27.4 | 29.5 | 30.9 | 31.5 | 32.1 | 32.1 | 31.8 | 32.0 | 31.2 | 28.9 | 27.0 | 25.0 | 24.0 | 23.4 | 23.0 | 23.0 | 32.1 | 23.0 |
| 11 | 21.3 | 21.1 | 21.9 | 23.6 | 23.1 | 23.4 | 23.9 | 24.5 | 25.7 | 27.4 | 28.6 | 28.8 | 29.5 | 29.7 | 30.5 | 30.4 | 29.5 | 28.3 | 27.1 | 25.3 | 25.0 | 24.3 | 24.2 | 23.9 | 30.5 | 21.1 |
| 12 | 23.8 | 23.8 | 24.2 | 23.6 | 23.4 | 23.8 | 23.6 | 24.4 | 26.1 | 27.7 | 29.1 | 29.7 | 30.1 | 30.6 | 30.6 | 31.0 | 30.0 | 28.2 | 26.7 | 26.3 | 25.1 | 24.7 | 24.2 | 23.9 | 31.0 | 23.4 |
| 13 | 23.3 | 24.1 | 23.6 | 22.9 | 22.3 | 22.8 | 23.4 | 25.7 | 27.2 | 28.9 | 30.1 | 30.5 | 32.0 | 32.1 | 31.4 | 30.9 | 29.6 | 28.7 | 27.1 | 26.7 | 24.7 | 23.7 | 24.3 | 24.0 | 32.1 | 22.3 |
| 14 | 23.4 | 23.2 | 22.7 | 22.1 | 22.4 | 22.2 | 22.3 | 24.0 | 25.3 | 27.0 | 28.5 | 29.8 | 31.0 | 31.2 | 31.0 | 30.3 | 29.1 | 27.6 | 25.5 | 25.1 | 24.4 | 23.2 | 22.9 | 22.9 | 31.2 | 22.1 |
| 15 | 22.7 | 21.8 | 22.3 | 21.9 | 22.5 | 21.9 | 23.0 | 23.8 | 24.2 | 26.1 | 27.6 | 28.6 | 29.2 | 29.3 | 29.4 | 29.2 | 27.7 | 26.3 | 24.0 | 22.5 | 21.9 | 21.4 | 20.6 | 20.8 | 29.4 | 20.6 |
| 16 | 19.9 | 20.7 | 20.8 | 20.1 | 19.7 | 19.5 | 19.3 | 19.4 | 21.5 | 23.7 | 25.3 | 25.7 | 26.9 | 27.0 | 26.8 | 25.8 | 24.9 | 25.1 | 23.1 | 20.8 | 20.1 | 20.6 | 19.5 | 19.4 | 27.0 | 19.3 |
| 17 | 19.5 | 18.0 | 17.2 | 17.1 | 16.6 | 16.4 | 16.4 | 17.1 | 19.2 | 21.5 | 23.6 | 25.7 | 26.9 | 27.3 | 28.1 | 26.4 | 26.4 | 24.5 | 22.4 | 20.5 | 19.6 | 18.7 | 17.6 | 16.8 | 28.1 | 16.4 |
| 18 | 16.3 | 16.2 | 16.0 | 15.2 | 14.7 | 15.5 | 16.3 | 18.0 | 20.3 | 22.3 | 23.5 | 24.1 | 25.8 | 27.1 | 29.0 | 29.6 | 28.9 | 27.7 | 25.5 | 24.5 | 23.8 | 23.7 | 23.2 | 23.2 | 29.6 | 14.7 |
| 19 | 23.3 | 23.2 | 22.9 | 23.6 | 23.8 | 23.9 | 24.6 | 25.5 | 27.4 | 27.7 | 28.5 | 29.7 | 30.3 | 30.9 | 31.1 | 31.2 | 30.3 | 28.4 | 26.8 | 25.9 | 25.2 | 24.9 | 24.6 | 23.9 | 31.2 | 22.9 |
| 20 | 24.0 | 24.5 | 24.4 | 24.0 | 23.3 | 23.1 | 23.0 | 23.5 | 24.5 | 26.5 | 27.1 | 27.3 | 26.8 | 26.9 | 27.5 | 24.3 | 21.9 | 23.3 | 22.8 | 22.4 | 22.7 | 22.5 | 22.0 | 22.3 | 27.5 | 21.9 |
| 21 | 22.5 | 22.1 | 21.8 | 21.9 | 21.9 | 20.7 | 22.2 | 22.7 | 23.8 | 25.5 | 27.2 | 28.5 | 28.5 | 26.7 | 27.5 | 24.1 | 24.5 | 25.2 | 24.4 | 23.3 | 22.6 | 21.7 | 21.7 | 21.7 | 28.5 | 20.7 |
| 22 | 21.6 | 21.5 | 21.6 | 20.6 | 20.8 | 21.4 | 21.7 | 23.8 | 25.7 | 26.5 | 27.4 | 28.7 | 30.2 | 30.1 | 30.7 | 31.1 | 30.2 | 28.9 | 27.0 | 25.5 | 24.4 | 23.6 | 23.2 | 23.6 | 31.1 | 20.6 |
| 23 | 24.0 | 23.3 | 23.1 | 22.9 | 23.0 | 23.2 | 23.3 | 24.3 | 25.7 | 26.9 | 27.4 | 28.8 | 28.3 | 28.6 | 28.6 | 28.3 | 27.4 | 26.0 | 25.5 | 24.3 | 23.4 | 23.4 | 22.8 | 21.9 | 28.8 | 21.9 |
| 24 | 22.3 | 21.9 | 21.5 | 20.6 | 20.4 | 20.9 | 21.9 | 22.8 | 24.3 | 25.7 | 27.1 | 28.5 | 28.8 | 29.3 | 29.6 | 29.0 | 27.7 | 26.6 | 25.0 | 23.1 | 22.4 | 22.0 | 21.7 | 21.4 | 29.6 | 20.4 |
| 25 | 21.8 | 21.1 | 21.0 | 21.1 | 20.4 | 20.5 | 20.7 | 22.1 | 23.8 | 24.9 | 26.6 | 28.0 | 28.8 | 29.1 | 28.6 | 28.0 | 27.1 | 25.8 | 24.1 | 23.4 | 22.4 | 21.4 | 21.5 | 20.7 | 29.1 | 20.4 |
| 26 | 19.6 | 19.3 | 19.2 | 19.3 | 18.9 | 19.1 | 20.3 | 21.9 | 23.5 | 25.3 | 27.1 | 29.5 | 30.4 | 31.0 | 31.1 | 30.4 | 29.9 | 28.1 | 25.2 | 24.3 | 24.3 | 23.8 | 23.7 | 23.3 | 31.1 | 18.9 |
| 27 | 22.5 | 22.1 | 21.7 | 21.9 | 22.1 | 22.3 | 22.5 | 23.3 | 24.9 | 26.5 | 27.9 | 28.8 | 29.1 | 29.8 | 29.7 | 29.0 | 28.7 | 27.2 | 25.0 | 24.5 | 24.0 | 23.4 | 23.3 | 23.0 | 29.8 | 21.7 |
| 28 | 22.7 | 22.4 | 22.1 | 21.9 | 21.5 | 21.3 | 21.8 | 22.7 | 24.6 | 27.0 | 28.6 | 29.6 | 30.1 | 31.2 | 31.3 | 30.6 | 31.0 | 29.9 | 28.0 | 26.7 | 25.1 | 23.9 | 23.5 | 23.5 | 31.3 | 21.3 |
| 29 | 22.6 | 21.9 | 22.6 | 21.9 | 22.5 | 22.9 | 24.0 | 26.1 | 27.5 | 27.7 | 28.2 | 29.6 | 31.6 | 32.2 | 32.7 | 32.1 | 31.2 | 31.1 | 28.9 | 26.8 | 26.0 | 24.7 | 24.3 | 24.7 | 32.7 | 21.9 |
| 30 | 24.3 | 24.4 | 24.1 | 23.5 | 24.1 | 24.2 | 24.9 | 25.8 | 27.7 | 29.7 | 30.0 | 32.0 | 32.7 | 32.5 | 32.4 | 32.3 | 31.2 | 30.4 | 28.4 | 27.9 | 26.9 | 26.3 | 26.0 | 26.2 | 32.7 | 23.5 |
| 31 | 26.3 | 27.0 | 27.0 | 27.1 | 26.7 | 26.7 | 26.7 | 26.8 | 28.0 | 30.0 | 30.8 | 32.2 | 32.5 | 32.3 | 33.2 | 31.9 | 31.9 | 31.6 | 29.7 | 28.6 | 27.2 | 26.6 | 26.2 | 27.0 | 33.2 | 26.2 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Shadow Mountain

ELEVATION : 4120 feet

PARAMETER : Ambient Temperature (Degrees C)

LATITUDE : 34 degrees 44 minutes 15 seconds

LONGITUDE : 117 degrees 33 minutes 54 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 27.2 | 27.1 | 27.0 | 27.1 | 27.8 | 27.3 | 27.0 | 27.5 | 29.1 | 31.8 | 33.5 | 34.9 | 36.0 | 35.7 | 36.2 | 36.0 | 35.2 | 33.5 | 31.2 | 29.0 | 28.2 | 27.5 | 27.0 | 26.9 | 36.2 | 26.9 |
| 2 | 26.8 | 26.9 | 26.5 | 26.3 | 25.9 | 25.9 | 25.7 | 27.0 | 28.9 | 30.4 | 32.2 | 33.7 | 34.6 | 34.8 | 34.8 | 34.7 | 33.7 | 32.7 | 31.1 | 29.5 | 28.7 | 28.1 | 27.4 | 27.0 | 34.8 | 25.7 |
| 3 | 26.4 | 26.2 | 25.9 | 25.8 | 26.1 | 26.1 | 26.1 | 27.6 | 29.0 | 31.0 | 32.2 | 33.2 | 33.9 | 33.8 | 33.8 | 33.6 | 33.1 | 32.0 | 29.5 | 27.0 | 25.5 | 25.0 | 24.7 | 24.6 | 33.9 | 24.6 |
| 4 | 24.4 | 24.7 | 24.7 | 24.7 | 24.0 | 24.4 | 24.7 | 25.6 | 27.1 | 28.0 | 29.5 | 30.6 | 31.4 | 32.0 | 32.4 | 32.1 | 31.1 | 30.2 | 28.7 | 26.9 | 25.8 | 25.1 | 24.7 | 24.3 | 32.4 | 24.0 |
| 5 | 23.9 | 23.7 | 23.9 | 23.9 | 24.2 | 24.4 | 24.5 | 25.6 | 26.8 | 28.6 | 29.8 | 30.8 | 31.4 | 31.9 | 31.8 | 31.7 | 31.5 | 30.7 | 29.3 | 27.2 | 26.4 | 26.0 | 25.0 | 24.6 | 31.9 | 23.7 |
| 6 | 23.7 | 23.0 | 22.5 | 22.9 | 22.9 | 23.0 | 23.6 | 25.3 | 27.3 | 29.2 | 30.9 | 31.9 | 33.3 | 33.6 | 33.6 | 33.4 | 32.9 | 31.9 | 30.2 | 28.8 | 28.1 | 27.2 | 27.0 | 26.9 | 33.6 | 22.5 |
| 7 | 27.0 | 26.9 | 26.5 | 25.7 | 25.4 | 25.6 | 26.3 | 27.6 | 29.1 | 30.3 | 31.4 | 32.1 | 32.5 | 32.6 | 32.9 | 33.1 | 32.4 | 31.4 | 30.0 | 28.2 | 26.3 | 25.4 | 25.1 | 24.6 | 33.1 | 24.6 |
| 8 | 23.5 | 23.9 | 23.6 | 22.4 | 24.4 | 25.1 | 26.0 | 26.9 | 28.9 | 29.8 | 30.6 | 32.2 | 33.4 | 34.3 | 34.7 | 34.5 | 33.5 | 32.5 | 30.5 | 28.6 | 27.5 | 26.9 | 26.7 | 26.5 | 34.7 | 22.4 |
| 9 | 26.4 | 26.4 | 26.7 | 26.7 | 26.6 | 26.8 | 26.7 | 27.3 | 29.8 | 31.9 | 32.7 | 33.1 | 33.8 | 34.6 | 34.8 | 34.1 | 33.5 | 32.5 | 30.8 | 28.8 | 28.1 | 28.0 | 27.4 | 26.9 | 34.8 | 26.4 |
| 10 | 26.0 | 25.7 | 25.0 | 24.7 | 24.8 | 24.5 | 24.9 | 25.8 | 26.1 | 27.1 | 29.1 | 30.7 | 31.7 | 32.0 | 31.8 | 31.3 | 30.5 | 29.5 | 27.7 | 25.5 | 24.0 | 22.8 | 21.7 | 21.1 | 32.0 | 21.1 |
| 11 | 20.9 | 20.4 | 20.7 | 20.9 | 21.1 | 25.0 | 24.2 | 25.3 | 27.1 | 27.6 | 29.6 | 29.5 | 30.2 | 31.1 | 31.3 | 31.3 | 31.0 | 30.1 | 28.7 | 26.9 | 24.8 | 23.4 | 24.5 | 24.6 | 31.3 | 20.4 |
| 12 | 24.1 | 23.8 | 23.8 | 24.1 | 23.8 | 23.7 | 24.5 | 25.6 | 27.2 | 28.8 | 30.2 | 30.5 | 31.3 | 31.5 | 31.8 | 31.2 | 30.5 | 29.4 | 28.4 | 26.8 | 25.1 | 24.7 | 24.0 | 23.9 | 31.8 | 23.7 |
| 13 | 23.5 | 23.2 | 23.6 | 23.5 | 23.6 | 24.0 | 24.7 | 25.5 | 26.4 | 28.2 | 29.1 | 30.3 | 31.3 | 32.1 | 32.3 | 31.6 | 31.0 | 30.3 | 28.0 | 26.1 | 25.1 | 24.5 | 24.1 | 23.6 | 32.3 | 23.2 |
| 14 | 23.3 | 22.9 | 22.6 | 22.4 | 21.8 | 21.2 | 21.2 | 22.3 | 24.1 | 26.7 | 28.7 | 30.2 | 31.5 | 32.4 | 32.3 | 32.0 | 31.5 | 30.4 | 28.3 | 25.9 | 24.8 | 24.3 | 24.4 | 23.9 | 32.4 | 21.2 |
| 15 | 24.0 | 23.6 | 23.3 | 23.5 | 23.9 | 24.2 | 25.1 | 25.7 | 26.9 | 27.4 | 28.5 | 30.3 | 30.1 | 31.2 | 31.3 | 31.0 | 30.3 | 28.9 | 26.0 | 23.8 | 23.8 | 23.7 | 22.2 | 20.5 | 31.3 | 20.5 |
| 16 | 19.1 | 19.1 | 19.4 | 19.6 | 20.9 | 21.7 | 22.9 | 22.9 | 23.3 | 24.9 | 25.9 | 26.5 | 27.2 | 27.6 | 27.9 | 27.4 | 26.4 | 24.8 | 23.5 | 22.0 | 20.7 | 20.7 | 20.0 | 19.9 | 27.9 | 19.1 |
| 17 | 19.0 | 17.5 | 17.1 | 16.7 | 16.0 | 15.8 | 16.1 | 17.4 | 19.7 | 21.6 | 23.8 | 25.0 | 26.1 | 26.4 | 26.3 | 25.8 | 24.9 | 23.5 | 21.7 | 20.3 | 18.9 | 17.6 | 16.5 | 16.0 | 26.4 | 15.8 |
| 18 | 15.6 | 15.3 | 15.2 | 15.0 | 14.7 | 14.1 | 15.6 | 17.3 | 19.4 | 22.0 | 24.4 | 26.0 | 26.9 | 28.1 | 29.1 | 29.2 | 30.0 | 29.1 | 28.3 | 25.1 | 22.6 | 21.9 | 22.8 | 23.1 | 30.0 | 14.1 |
| 19 | 23.9 | 23.5 | 23.5 | 24.1 | 23.9 | 23.6 | 24.2 | 25.9 | 27.2 | 28.2 | 29.0 | 30.0 | 30.5 | 31.1 | 31.3 | 31.2 | 31.3 | 30.9 | 29.4 | 27.7 | 26.3 | 25.1 | 25.1 | 25.3 | 31.3 | 23.5 |
| 20 | 25.2 | 25.0 | 24.8 | 24.1 | 23.9 | 24.1 | 24.1 | 25.1 | 25.1 | 26.2 | 27.4 | 27.7 | 27.5 | 27.7 | 27.6 | 26.9 | 25.3 | 24.6 | 24.7 | 23.7 | 23.5 | 24.5 | 24.2 | 22.6 | 27.7 | 22.6 |
| 21 | 22.8 | 22.5 | 22.6 | 22.6 | 22.5 | 22.6 | 22.7 | 23.6 | 23.5 | 24.6 | 26.1 | 27.2 | 28.6 | 28.3 | 28.0 | 24.1 | 23.0 | 24.0 | 24.3 | 23.9 | 23.4 | 22.5 | 22.7 | 22.1 | 28.6 | 22.1 |
| 22 | 22.1 | 22.4 | 21.6 | 21.8 | 22.2 | 22.2 | 22.8 | 24.2 | 25.6 | 26.9 | 27.0 | 28.6 | 29.8 | 30.4 | 31.2 | 31.1 | 29.3 | 28.9 | 27.5 | 25.8 | 24.9 | 24.8 | 24.9 | 24.6 | 31.2 | 21.6 |
| 23 | 23.9 | 23.9 | 23.5 | 23.5 | 23.5 | 23.3 | 23.8 | 24.7 | 25.5 | 27.6 | 28.7 | 29.5 | 30.1 | 29.9 | 30.0 | 29.8 | 28.5 | 27.4 | 25.7 | 24.3 | 23.9 | 23.6 | 23.3 | 23.2 | 30.1 | 23.2 |
| 24 | 22.4 | 21.4 | 21.3 | 21.3 | 21.1 | 21.6 | 22.2 | 23.4 | 25.2 | 27.1 | 27.7 | 28.9 | 29.3 | 30.0 | 30.7 | 30.6 | 30.0 | 28.8 | 27.1 | 24.7 | 22.7 | 21.7 | 21.5 | 21.9 | 30.7 | 21.1 |
| 25 | 21.7 | 21.3 | 21.2 | 20.8 | 21.3 | 20.7 | 21.0 | 21.5 | 22.4 | 24.5 | 26.5 | 27.5 | 28.9 | 29.4 | 29.1 | 28.7 | 28.2 | 27.0 | 25.4 | 23.9 | 23.2 | 22.7 | 21.9 | 21.6 | 29.4 | 20.7 |
| 26 | 21.3 | 21.1 | 20.1 | 19.5 | 19.3 | 20.6 | 21.5 | 22.6 | 24.5 | 26.3 | 27.6 | 28.6 | 29.2 | 29.7 | 29.6 | 29.4 | 29.1 | 28.5 | 27.1 | 25.6 | 24.6 | 24.4 | 24.2 | 23.7 | 29.7 | 19.3 |
| 27 | 21.7 | 21.0 | 21.3 | 21.8 | 22.0 | 22.4 | 22.1 | 23.3 | 25.4 | 27.0 | 27.6 | 28.7 | 29.5 | 30.2 | 30.0 | 29.4 | 28.9 | 28.1 | 26.5 | 25.1 | 24.7 | 24.3 | 23.9 | 23.3 | 30.2 | 21.0 |
| 28 | 22.6 | 22.7 | 22.9 | 22.6 | 22.7 | 22.5 | 22.6 | 24.2 | 26.1 | 26.7 | 27.9 | 28.8 | 30.1 | 30.6 | 30.8 | 30.9 | 30.4 | 29.5 | 28.0 | 26.0 | 24.8 | 24.2 | 23.1 | 22.6 | 30.9 | 22.5 |
| 29 | 22.1 | 22.4 | 23.0 | 22.9 | 22.2 | 22.5 | 23.7 | 25.0 | 26.2 | 27.4 | 28.3 | 29.5 | 31.1 | 31.9 | 32.1 | 32.1 | 31.4 | 30.7 | 28.7 | 26.8 | 25.7 | 24.8 | 24.8 | 24.7 | 32.1 | 22.1 |
| 30 | 24.5 | 24.7 | 24.4 | 24.1 | 23.6 | 24.0 | 24.2 | 25.1 | 26.3 | 28.3 | 29.9 | 31.0 | 32.2 | 32.9 | 33.1 | 33.1 | 32.6 | 31.4 | 29.3 | 27.7 | 26.8 | 26.6 | 26.3 | 26.5 | 33.1 | 23.6 |
| 31 | 26.1 | 26.2 | 25.5 | 25.9 | 26.6 | 26.4 | 26.6 | 27.5 | 29.1 | 30.2 | 30.9 | 31.8 | 32.5 | 33.1 | 33.2 | 33.0 | 32.7 | 31.5 | 29.7 | 28.3 | 27.4 | 27.3 | 27.5 | 27.1 | 33.2 | 25.5 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Baldy Mesa

LATITUDE : 34 degrees 23 minutes 20 seconds

MONTH : August

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 | 4.7 | 4.8 | 4.3 | 3.1 | 2.6 | 2.5 | 1.3 | 1.4 | 1.2 | 2.3 | 3.9 | 5.3 | 5.4 | 5.8 | 6.2 | 6.4 | 7.7 | 7.7 | 8.0 | 7.7 | 6.2 | 5.6 | 5.1 | 4.9 |
| 2 | 4.5 | 4.4 | 4.8 | 4.9 | 4.6 | 4.4 | 4.0 | 4.2 | 3.2 | 3.2 | 4.2 | 5.9 | 7.0 | 7.3 | 7.4 | 7.6 | 7.1 | 7.1 | 6.7 | 6.2 | 6.3 | 6.1 | 5.7 | 5.8 |
| 3 | 6.2 | 6.2 | 5.9 | 6.0 | 5.7 | 5.2 | 5.4 | 5.3 | 5.6 | 6.7 | 6.8 | 6.4 | 7.3 | 7.9 | 8.4 | 9.0 | 9.3 | 8.7 | 6.1 | 6.3 | 5.2 | 5.8 | 6.1 | 6.4 |
| 4 | 5.8 | 5.3 | 5.2 | 5.3 | 5.0 | 5.4 | 4.6 | 5.8 | 6.3 | 6.7 | 7.1 | 7.9 | 8.1 | 8.6 | 8.7 | 8.6 | 7.9 | 7.3 | 6.6 | 6.5 | 6.9 | 6.5 | 6.2 | 6.1 |
| 5 | 6.4 | 6.1 | 6.0 | 5.7 | 5.5 | 5.7 | 5.3 | 5.4 | 6.0 | 5.6 | 6.2 | 6.2 | 6.8 | 7.2 | 6.6 | 6.5 | 6.5 | 6.8 | 6.3 | 6.1 | 5.7 | 6.0 | 5.5 | 5.5 |
| 6 | 5.9 | 6.1 | 5.1 | 5.8 | 5.8 | 4.4 | 3.7 | 3.4 | 2.5 | 3.3 | 2.9 | 4.2 | 6.2 | 6.0 | 6.5 | 6.5 | 6.7 | 6.5 | 5.7 | 4.9 | 4.3 | 3.6 | 1.1 | 1.6 |
| 7 | 2.5 | 2.4 | 2.5 | 3.5 | 4.0 | 3.3 | 1.3 | 1.7 | 2.1 | 2.7 | 4.2 | 4.8 | 5.7 | 5.9 | 6.3 | 5.6 | 5.8 | 5.6 | 5.6 | 5.0 | 3.2 | 3.0 | 2.9 | 2.1 |
| 8 | 3.4 | 4.0 | 3.0 | 3.4 | 2.6 | 3.4 | 2.9 | 2.7 | 2.3 | 3.2 | 4.0 | 4.4 | 5.1 | 6.3 | 7.1 | 7.2 | 6.6 | 6.4 | 5.6 | 4.4 | 4.1 | 4.9 | 4.8 | 4.8 |
| 9 | 5.0 | 5.5 | 5.4 | 4.6 | 4.5 | 5.3 | 5.1 | 6.3 | 6.1 | 6.2 | 5.4 | 5.8 | 6.9 | 6.6 | 6.4 | 6.1 | 5.5 | 5.4 | 4.8 | 3.7 | 4.9 | 6.4 | 6.8 | 5.9 |
| 10 | 6.5 | 6.8 | 7.0 | 6.9 | 6.6 | 6.9 | 6.4 | 6.6 | 6.4 | 6.1 | 6.5 | 6.5 | 7.1 | 6.9 | 7.4 | 7.4 | 7.7 | 7.6 | 6.2 | 6.0 | 6.0 | 5.9 | 5.0 | 4.6 |
| 11 | 4.8 | 4.8 | 4.7 | 4.3 | 4.8 | 5.3 | 5.5 | 5.0 | 5.2 | 5.7 | 6.3 | 6.7 | 6.2 | 5.8 | 5.8 | 6.0 | 5.6 | 5.8 | 3.5 | 2.9 | 3.2 | 3.9 | 3.9 | 4.0 |
| 12 | 4.1 | 4.1 | 4.2 | 4.8 | 5.2 | 4.4 | 3.3 | 4.6 | 5.8 | 6.9 | 7.6 | 7.1 | 7.8 | 8.1 | 8.3 | 8.8 | 8.6 | 7.3 | 5.9 | 5.4 | 5.3 | 5.2 | 6.0 | 5.8 |
| 13 | 5.1 | 4.5 | 4.4 | 4.0 | 1.9 | 1.3 | 1.5 | 1.3 | 2.0 | 3.8 | 5.0 | 5.8 | 6.0 | 6.4 | 7.0 | 7.6 | 7.4 | 7.1 | 7.2 | 6.4 | 5.9 | 5.6 | 5.7 | 4.6 |
| 14 | 4.4 | 3.6 | 4.5 | 4.7 | 5.6 | 5.9 | 5.0 | 4.8 | 4.9 | 6.4 | 7.3 | 7.6 | 7.6 | 8.0 | 8.6 | 8.7 | 8.2 | 7.7 | 7.6 | 7.1 | 7.4 | 7.7 | 7.6 | 7.1 |
| 15 | 7.6 | 7.6 | 7.3 | 7.3 | 7.7 | 7.7 | 7.5 | 7.8 | 8.3 | 7.8 | 7.7 | 7.4 | 7.6 | 7.3 | 8.0 | 8.1 | 8.7 | 9.2 | 8.5 | 8.5 | 8.4 | 8.1 | 8.1 | 7.3 |
| 16 | 6.9 | 7.0 | 7.1 | 7.2 | 6.5 | 7.5 | 7.3 | 7.7 | 7.4 | 7.8 | 8.0 | 8.5 | 8.9 | 9.1 | 9.9 | 9.2 | 8.8 | 7.1 | 6.8 | 7.5 | 6.8 | 6.2 | 6.7 | 6.3 |
| 17 | 5.6 | 4.8 | 4.6 | 4.6 | 4.8 | 5.7 | 6.5 | 6.3 | 6.9 | 6.4 | 5.4 | 6.3 | 7.5 | 7.6 | 7.7 | 7.9 | 7.7 | 7.1 | 6.6 | 5.4 | 6.7 | 6.3 | 5.4 | 5.8 |
| 18 | 6.9 | 7.5 | 7.9 | 7.2 | 5.9 | 5.5 | 4.9 | 3.8 | 2.3 | 1.6 | 2.4 | 3.4 | 3.7 | 4.1 | 4.8 | 5.1 | 6.1 | 6.3 | 6.1 | 6.4 | 6.7 | 5.5 | 4.8 | 4.3 |
| 19 | 4.4 | 3.7 | 2.4 | 0.4 | 0.6 | 0.3 | 0.7 | 1.4 | 3.4 | 4.4 | 5.2 | 5.6 | 6.5 | 6.6 | 6.4 | 6.3 | 6.8 | 6.3 | 6.2 | 6.4 | 6.6 | 6.5 | 6.5 | 6.4 |
| 20 | 4.7 | 3.9 | 3.9 | 4.4 | 4.0 | 3.5 | 3.9 | 3.4 | 4.7 | 4.9 | 5.5 | 5.9 | 5.0 | 4.8 | 5.7 | 4.3 | 3.1 | 2.5 | 3.2 | 3.9 | 4.7 | 4.0 | 3.5 | 2.0 |
| 21 | 2.2 | 2.2 | 1.5 | 1.1 | 2.2 | 2.4 | 3.3 | 3.9 | 3.3 | 4.6 | 3.2 | 3.3 | 2.4 | 3.8 | 5.5 | 5.7 | 6.2 | 6.0 | 4.7 | 4.2 | 4.1 | 2.9 | 2.6 | 2.1 |
| 22 | 1.1 | 0.6 | 1.4 | 2.7 | 2.8 | 1.7 | 0.8 | 1.2 | 1.4 | 2.4 | 2.3 | 4.6 | 5.6 | 5.4 | 5.4 | 6.2 | 6.1 | 6.0 | 6.1 | 6.0 | 6.1 | 6.0 | 6.1 | 5.7 |
| 23 | 5.2 | 3.2 | 4.8 | 4.8 | 4.3 | 4.0 | 4.0 | 3.7 | 4.2 | 5.7 | 6.7 | 6.5 | 6.2 | 6.1 | 6.0 | 5.8 | 5.7 | 5.1 | 4.2 | 5.1 | 4.8 | 5.0 | 5.2 | 4.8 |
| 24 | 4.5 | 4.9 | 3.5 | 1.6 | 1.9 | 3.5 | 4.5 | 6.4 | 6.8 | 6.9 | 7.0 | 7.0 | 6.7 | 6.9 | 7.2 | 7.1 | 6.5 | 5.9 | 5.4 | 5.7 | 6.9 | 5.9 | 5.5 | 4.7 |
| 25 | 5.1 | 5.2 | 5.0 | 4.6 | 4.4 | 2.6 | 1.2 | 2.8 | 4.9 | 5.9 | 6.0 | 6.6 | 7.3 | 7.4 | 7.7 | 8.1 | 7.6 | 7.3 | 6.1 | 5.1 | 6.0 | 5.8 | 5.9 | 6.3 |
| 26 | 6.3 | 6.9 | 7.1 | 7.8 | 7.4 | 6.6 | 6.3 | 5.5 | 5.9 | 5.9 | 6.6 | 6.6 | 5.5 | 4.6 | 5.2 | 4.9 | 5.2 | 5.1 | 4.7 | 4.8 | 5.3 | 5.9 | 5.4 | 5.5 |
| 27 | 5.8 | 6.2 | 6.5 | 5.8 | 5.4 | 5.5 | 5.0 | 5.2 | 6.0 | 5.4 | 5.6 | 6.1 | 6.1 | 7.2 | 7.7 | 6.7 | 6.3 | 5.4 | 4.5 | 4.5 | 4.6 | 4.9 | 4.7 | 4.7 |
| 28 | 4.5 | 4.8 | 4.6 | 4.4 | 4.4 | 4.1 | 4.2 | 4.5 | 4.6 | 3.9 | 3.7 | 5.2 | 6.1 | 6.7 | 7.0 | 6.6 | 5.8 | 4.7 | 3.4 | 2.5 | 1.7 | 1.9 | 3.0 | 3.1 |
| 29 | 2.5 | 2.5 | 1.8 | 1.3 | 1.4 | 0.7 | 0.4 | 1.0 | 1.5 | 2.5 | 3.1 | 3.7 | 4.2 | 5.2 | 6.2 | 6.6 | 6.8 | 5.6 | 5.2 | 5.7 | 5.1 | 4.2 | 4.0 | 4.7 |
| 30 | 5.0 | 4.9 | 4.5 | 4.3 | 4.7 | 4.2 | 3.5 | 3.7 | 3.9 | 3.8 | 3.9 | 5.8 | 6.4 | 6.8 | 7.6 | 8.1 | 7.6 | 5.6 | 5.0 | 5.1 | 4.5 | 2.6 | 2.9 | 4.5 |
| 31 | 4.4 | 4.2 | 3.9 | 1.9 | 4.0 | 4.2 | 3.2 | 3.2 | 3.0 | 3.6 | 4.8 | 4.6 | 5.0 | 4.7 | 5.2 | 6.1 | 6.0 | 4.2 | 5.0 | 3.3 | 3.8 | 4.1 | 3.2 | 2.6 |
| AVG. | 4.9 | 4.8 | 4.7 | 4.5 | 4.4 | 4.3 | 4.0 | 4.2 | 4.5 | 4.9 | 5.3 | 5.9 | 6.3 | 6.5 | 6.9 | 6.9 | 6.8 | 6.3 | 5.7 | 5.4 | 5.4 | 5.2 | 5.0 | 4.8 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Boron

LATITUDE : 35 degrees 01 minutes 00 seconds

MONTH : August

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 | 3.7 | 3.3 | 1.3 | 0.7 | 1.0 | 0.9 | 0.5 | 2.0 | 2.3 | 1.9 | 1.4 | 1.2 | 1.7 | 2.2 | 3.1 | 3.7 | 4.6 | 6.3 | 4.6 | 5.3 | 5.1 | 4.5 | 3.8 | 3.7 |
| 2 | 3.4 | 3.4 | 2.5 | 2.8 | 3.2 | 2.3 | 2.9 | 2.6 | 2.6 | 2.1 | 2.4 | 1.7 | 2.9 | 3.1 | 3.5 | 4.9 | 6.4 | 7.0 | 6.3 | 5.0 | 4.7 | 4.5 | 4.6 | 3.9 |
| 3 | 4.0 | 4.2 | 4.0 | 4.0 | 3.3 | 2.8 | 3.6 | 3.7 | 3.1 | 3.8 | 4.2 | 3.8 | 4.8 | 5.6 | 6.0 | 6.8 | 7.2 | 7.2 | 6.3 | 5.7 | 3.6 | 3.2 | 4.0 | 3.7 |
| 4 | 3.2 | 1.2 | 1.1 | 2.9 | 2.2 | 1.3 | 0.8 | 1.2 | 2.2 | 3.9 | 3.5 | 3.5 | 3.6 | 3.5 | 4.3 | 5.0 | 6.6 | 6.5 | 6.0 | 5.3 | 4.9 | 4.8 | 4.4 | 4.3 |
| 5 | 5.1 | 4.5 | 4.4 | 3.8 | 3.9 | 1.9 | 3.0 | 4.0 | 5.3 | 5.0 | 4.7 | 4.2 | 4.6 | 4.8 | 5.7 | 6.2 | 6.3 | 6.6 | 6.0 | 3.9 | 4.1 | 4.3 | 4.0 | 4.2 |
| 6 | 3.7 | 2.6 | 2.4 | 2.1 | 1.8 | 1.1 | 2.5 | 3.0 | 3.8 | 4.0 | 3.9 | 3.7 | 3.8 | 5.1 | 5.5 | 6.2 | 6.1 | 6.2 | 5.0 | 3.9 | 4.0 | 3.4 | 2.7 | 2.0 |
| 7 | 0.7 | 1.1 | 1.4 | 0.7 | 0.6 | 0.6 | 0.5 | 1.3 | 2.4 | 2.9 | 3.2 | 4.0 | 4.7 | 5.1 | 5.8 | 5.7 | 5.5 | 6.6 | 5.9 | 3.4 | 2.7 | 2.6 | 2.2 | 2.1 |
| 8 | 1.6 | 2.2 | 1.1 | 0.7 | 0.8 | 1.1 | 0.7 | 1.2 | 1.5 | 1.6 | 3.0 | 2.5 | 3.1 | 3.5 | 4.1 | 4.9 | 5.3 | 5.5 | 4.6 | 3.3 | 3.2 | 4.2 | 2.6 | 2.3 |
| 9 | 1.4 | 1.0 | 0.9 | 1.8 | 1.0 | 1.0 | 0.6 | 1.1 | 2.2 | 2.7 | 2.9 | 3.0 | 5.4 | 5.8 | 5.7 | 6.2 | 6.3 | 5.7 | 4.8 | 4.2 | 4.1 | 2.5 | 1.4 | 2.5 |
| 10 | 2.6 | 1.0 | 1.0 | 0.6 | 2.2 | 2.3 | 1.1 | 1.3 | 1.9 | 3.2 | 4.0 | 3.9 | 4.2 | 5.4 | 6.2 | 6.6 | 6.6 | 6.9 | 4.8 | 3.0 | 3.1 | 2.4 | 3.2 | 2.0 |
| 11 | 1.3 | 1.7 | 0.7 | 1.4 | 1.0 | 0.7 | 1.1 | 0.8 | 1.7 | 3.0 | 3.5 | 3.7 | 4.1 | 6.4 | 6.0 | 5.9 | 5.4 | 5.3 | 3.8 | 2.7 | 3.4 | 4.0 | 2.7 | 2.1 |
| 12 | 1.5 | 1.5 | 0.8 | 1.1 | 1.2 | 1.2 | 1.2 | 0.7 | 1.2 | 1.3 | 1.1 | 1.7 | 3.8 | 3.3 | 4.7 | 6.4 | 6.4 | 6.6 | 5.5 | 3.9 | 3.6 | 2.5 | 3.4 | 2.9 |
| 13 | 3.5 | 2.0 | 1.9 | 1.8 | 2.1 | 2.0 | 2.0 | 2.3 | 2.2 | 2.6 | 3.8 | 3.9 | 3.9 | 5.0 | 5.5 | 5.8 | 6.0 | 6.2 | 6.0 | 5.6 | 4.6 | 4.4 | 4.7 | 3.9 |
| 14 | 4.1 | 3.5 | 3.1 | 2.7 | 1.9 | 1.0 | 1.1 | 1.8 | 2.0 | 3.5 | 3.2 | 3.3 | 4.2 | 4.3 | 4.7 | 5.2 | 6.3 | 6.5 | 4.9 | 4.8 | 4.9 | 4.8 | 4.1 | 3.6 |
| 15 | 3.6 | 4.3 | 3.9 | 4.1 | 3.4 | 1.3 | 2.1 | 1.2 | 2.3 | 2.5 | 3.3 | 3.4 | 3.3 | 3.6 | 4.9 | 5.1 | 5.5 | 6.4 | 5.9 | 5.0 | 4.7 | 4.0 | 4.8 | 5.0 |
| 16 | 4.7 | 4.7 | 4.3 | 3.3 | 1.6 | 2.5 | 2.7 | 3.7 | 5.6 | 5.7 | 5.7 | 5.5 | 5.6 | 6.1 | 6.7 | 7.3 | 7.1 | 6.7 | 6.3 | 5.7 | 5.8 | 5.1 | 5.4 | 5.0 |
| 17 | 5.3 | 4.5 | 5.3 | 4.9 | 5.1 | 4.4 | 4.8 | 4.6 | 5.4 | 6.5 | 4.9 | 5.0 | 5.4 | 6.2 | 6.6 | 6.9 | 7.4 | 6.4 | 5.5 | 5.2 | 4.9 | 5.9 | 4.6 | 5.0 |
| 18 | 5.2 | 5.5 | 4.7 | 3.8 | 3.3 | 1.9 | 1.3 | 2.7 | 1.7 | 1.6 | 1.2 | 1.8 | 1.9 | 2.3 | 2.2 | 1.8 | 1.4 | 0.9 | 0.9 | 3.6 | 4.0 | 3.0 | 2.5 | 1.3 |
| 19 | 0.9 | 2.4 | 1.0 | 1.0 | 1.3 | 1.1 | 0.3 | 0.6 | 0.7 | 1.2 | 0.8 | 2.1 | 2.8 | 3.1 | 3.2 | 3.2 | 3.3 | 3.8 | 4.3 | 2.8 | 2.4 | 2.2 | 1.6 | 1.9 |
| 20 | 1.0 | 0.9 | 1.0 | 1.5 | 1.6 | 0.8 | 0.6 | 1.4 | 4.4 | 4.4 | 4.9 | 4.7 | 4.4 | 4.7 | 4.9 | 6.0 | 5.7 | 4.5 | 2.7 | 2.0 | 0.6 | 0.7 | 1.2 | 1.5 |
| 21 | 1.0 | 1.1 | 1.2 | 0.8 | 1.4 | 0.8 | 0.9 | 1.4 | 0.9 | 1.9 | 2.0 | 2.0 | 1.6 | 3.3 | 3.1 | 4.0 | 4.1 | 1.9 | 1.0 | 1.6 | 1.7 | 0.9 | 0.9 | 1.8 |
| 22 | 1.6 | 1.4 | 1.1 | 1.3 | 0.3 | 0.6 | 1.3 | 1.5 | 1.6 | 1.3 | 1.3 | 2.1 | 2.0 | 1.9 | 1.9 | 2.8 | 3.2 | 3.6 | 4.3 | 4.0 | 3.2 | 3.4 | 3.6 | 3.3 |
| 23 | 3.3 | 2.8 | 1.9 | 0.9 | 0.6 | 0.6 | 0.9 | 2.6 | 3.5 | 3.2 | 2.1 | 2.6 | 3.3 | 5.6 | 5.5 | 6.1 | 6.3 | 5.7 | 4.1 | 4.3 | 4.5 | 4.3 | 4.5 | 4.2 |
| 24 | 3.4 | 1.8 | 1.7 | 0.8 | 1.0 | 0.8 | 1.0 | 0.5 | 0.8 | 1.9 | 1.6 | 2.3 | 3.2 | 4.4 | 4.1 | 5.8 | 6.3 | 5.7 | 3.9 | 3.1 | 3.5 | 3.1 | 3.2 | 3.2 |
| 25 | 3.3 | 3.6 | 2.5 | 1.7 | 0.9 | 1.3 | 1.0 | 2.2 | 2.3 | 2.4 | 3.4 | 4.2 | 5.2 | 6.0 | 6.5 | 6.3 | 6.0 | 5.6 | 3.6 | 3.2 | 3.7 | 4.1 | 4.2 | 3.8 |
| 26 | 3.9 | 2.6 | 1.9 | 3.2 | 2.9 | 1.2 | 1.1 | 1.9 | 2.6 | 2.3 | 3.1 | 4.3 | 5.3 | 6.2 | 6.5 | 6.8 | 6.5 | 5.6 | 3.7 | 2.9 | 3.6 | 3.3 | 3.2 | 3.0 |
| 27 | 2.7 | 2.3 | 2.0 | 2.0 | 1.3 | 0.7 | 0.7 | 1.6 | 1.3 | 2.8 | 4.2 | 4.3 | 5.3 | 5.2 | 5.5 | 5.9 | 5.4 | 5.6 | 4.3 | 2.7 | 2.6 | 2.4 | 2.9 | 2.6 |
| 28 | 1.8 | 1.0 | 0.9 | 0.8 | 0.8 | 0.6 | 0.9 | 1.0 | 0.8 | 2.0 | 3.7 | 4.2 | 3.8 | 3.8 | 4.8 | 4.5 | 4.0 | 5.4 | 3.5 | 2.2 | 2.7 | 2.0 | 2.3 | 1.7 |
| 29 | 1.4 | 0.5 | 1.3 | 1.5 | 0.8 | 1.1 | 0.4 | 1.9 | 2.0 | 2.1 | 3.0 | 3.2 | 3.5 | 3.8 | 4.5 | 4.3 | 4.4 | 4.4 | 3.5 | 3.1 | 1.4 | 2.1 | 1.0 | 1.3 |
| 30 | 1.6 | 1.1 | 1.6 | 1.1 | 0.8 | 0.7 | 0.8 | 0.5 | 1.9 | 3.2 | 3.2 | 3.2 | 3.7 | 4.0 | 3.6 | 3.6 | 4.2 | 4.7 | 4.4 | 2.6 | 2.5 | 4.1 | 1.9 | 1.6 |
| 31 | 3.0 | 1.1 | 1.0 | 0.9 | 0.8 | 1.2 | 1.0 | 0.4 | 0.9 | 1.7 | 2.1 | 2.9 | 3.9 | 4.1 | 4.1 | 4.0 | 4.4 | 4.9 | 4.1 | 3.9 | 3.3 | 3.5 | 2.1 | 1.0 |
| AVG. | 2.8 | 2.4 | 2.1 | 2.0 | 1.7 | 1.3 | 1.4 | 1.8 | 2.4 | 2.8 | 3.1 | 3.3 | 3.8 | 4.4 | 4.8 | 5.3 | 5.5 | 5.5 | 4.5 | 3.8 | 3.6 | 3.4 | 3.2 | 2.9 |

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 : August

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 | 1.0 | 1.6 | 1.6 | 0.7 | 0.4 | 1.3 | 1.5 | 0.9 | 1.5 | 1.6 | 1.9 | 2.4 | 2.7 | 3.5 | 3.2 | 2.9 | 3.1 | 3.2 | 3.2 | 3.1 | 3.5 | 3.3 | 3.8 | 2.6 |
| 2 | 3.2 | 2.9 | 2.3 | 1.9 | 2.3 | 1.2 | 1.0 | 2.3 | 1.9 | 2.2 | 2.2 | 2.9 | 3.7 | 3.7 | 3.1 | 3.1 | 5.5 | 5.3 | 5.9 | 4.9 | 3.8 | 2.7 | 2.2 | 2.1 |
| 3 | 2.9 | 2.3 | 1.2 | 1.3 | 1.0 | 0.6 | 0.6 | 1.6 | 0.9 | 0.9 | 1.4 | 1.5 | 1.5 | 1.8 | 2.3 | 1.8 | 2.9 | 3.2 | 3.1 | 1.7 | 0.9 | 1.0 | 0.9 | 2.5 |
| 4 | 2.0 | 1.8 | 1.5 | 1.7 | 1.7 | 1.3 | 1.0 | 1.1 | 0.9 | 1.5 | 1.8 | 1.9 | 2.2 | 2.2 | 2.0 | 2.5 | 2.6 | 2.8 | 2.6 | 2.5 | 3.0 | 1.7 | 1.2 | 0.8 |
| 5 | 0.7 | 1.3 | 1.7 | 1.4 | 1.1 | 1.4 | 0.8 | 1.1 | 0.7 | 1.3 | 1.5 | 2.2 | 2.7 | 2.6 | 3.2 | 2.9 | 2.9 | 3.4 | 3.5 | 4.1 | 5.0 | 4.3 | 4.0 | 4.6 |
| 6 | 4.0 | 3.9 | 3.5 | 3.7 | 3.4 | 3.3 | 2.3 | 1.9 | 1.8 | 2.0 | 2.6 | 2.8 | 3.5 | 3.2 | 2.5 | 2.1 | 3.9 | 2.4 | 4.7 | 4.7 | 5.0 | 5.5 | 5.2 | 4.8 |
| 7 | 5.6 | 5.0 | 5.5 | 5.6 | 4.9 | 3.9 | 1.9 | 1.1 | 1.3 | 1.6 | 2.4 | [SC] | [SC] | 3.9 | 4.1 | 3.6 | 4.2 | 2.9 | 4.5 | 5.0 | 5.7 | 3.9 | 2.7 | 2.7 |
| 8 | 3.7 | 3.8 | 2.9 | 2.9 | 3.2 | 2.2 | 1.4 | 1.4 | 1.6 | 1.8 | 1.4 | 2.0 | 2.7 | 2.8 | 3.2 | 3.1 | 3.7 | 3.0 | 2.6 | 3.1 | 2.9 | 1.5 | 1.0 | 0.5 |
| 9 | 0.5 | 0.6 | 1.5 | 2.3 | 2.0 | 2.3 | 1.2 | 2.2 | 2.0 | 1.5 | 2.3 | 2.1 | 1.8 | 2.8 | 3.2 | 3.3 | 4.2 | 5.2 | 4.4 | 4.4 | 4.8 | 2.7 | 3.3 | 3.0 |
| 10 | 1.8 | 1.6 | 0.7 | 1.5 | 1.6 | 2.0 | 1.9 | 1.1 | 1.2 | 1.7 | 1.9 | 2.4 | 2.5 | 2.3 | 2.5 | 2.6 | 2.2 | 2.0 | 2.1 | 2.4 | 2.4 | 2.5 | 3.0 | 2.1 |
| 11 | 1.6 | 1.1 | 1.3 | 1.6 | 1.8 | 1.4 | 1.7 | 1.9 | 1.6 | 1.7 | 2.0 | 1.9 | 2.2 | 2.9 | 3.4 | 4.1 | 4.3 | 4.1 | 3.7 | 4.9 | 4.3 | 4.4 | 3.5 | 4.0 |
| 12 | 4.5 | 3.3 | 2.3 | 2.4 | 1.8 | 1.9 | 1.5 | 1.0 | 1.4 | 1.7 | 1.5 | 2.0 | 2.4 | 3.1 | 3.1 | 3.5 | 2.5 | 2.9 | 4.3 | 4.6 | 4.0 | 3.1 | 1.6 | 2.5 |
| 13 | 2.0 | 1.9 | 1.5 | 1.6 | 1.8 | 1.0 | 0.8 | 0.9 | 1.3 | 1.5 | 1.9 | 2.4 | 3.0 | 3.1 | 4.3 | 4.3 | 4.3 | 3.9 | 4.1 | 3.3 | 3.3 | 2.5 | 1.5 | 1.3 |
| 14 | 0.4 | 1.5 | 2.3 | 1.8 | 1.1 | 1.9 | 0.8 | 2.3 | 1.7 | 1.2 | 1.4 | 1.4 | 2.4 | 2.1 | 2.4 | 2.8 | 2.6 | 2.1 | 3.0 | 1.0 | 1.4 | 1.6 | 1.7 | 2.0 |
| 15 | 1.8 | 1.5 | 2.6 | 2.1 | 1.1 | 2.1 | 1.8 | 1.4 | 1.2 | 1.7 | 2.0 | 2.0 | 2.6 | 3.4 | 3.2 | 3.4 | 3.0 | 2.3 | 1.2 | 1.2 | 1.0 | 2.0 | 2.2 | 1.8 |
| 16 | 1.9 | 2.1 | 1.6 | 1.1 | 1.2 | 0.7 | 0.9 | 0.7 | 1.4 | 1.8 | 2.4 | 2.2 | 3.2 | 4.4 | 5.4 | 6.0 | 5.1 | 5.8 | 4.2 | 3.5 | 3.0 | 1.5 | 1.8 | 2.7 |
| 17 | 3.0 | 2.9 | 1.3 | 2.6 | 2.2 | 1.6 | 2.1 | 1.3 | 1.2 | 1.6 | 1.7 | 2.1 | 2.4 | 3.2 | 3.5 | 4.0 | 3.5 | 3.6 | 4.5 | 4.8 | 3.3 | 2.2 | 1.6 | 2.5 |
| 18 | 3.4 | 3.1 | 3.2 | 3.2 | 3.7 | 2.3 | 1.5 | 1.0 | 0.9 | 1.2 | 1.9 | 2.0 | 2.6 | 3.8 | 4.1 | 3.5 | 3.3 | 3.5 | 2.7 | 3.0 | 3.3 | 3.5 | 3.0 | 2.9 |
| 19 | 3.1 | 2.2 | 1.9 | 1.6 | 1.1 | 1.6 | 1.6 | 0.9 | 1.3 | 1.8 | 1.7 | 2.6 | 2.8 | 2.9 | 2.9 | 2.6 | 2.0 | 1.5 | 1.3 | 2.1 | 1.7 | 2.2 | 2.4 | 2.4 |
| 20 | 2.5 | 1.6 | 2.0 | 1.6 | 1.7 | 1.4 | 1.1 | 1.0 | 1.2 | 1.4 | 3.2 | 3.5 | 3.5 | 3.7 | 2.8 | 3.2 | 3.4 | 3.0 | 2.3 | 3.1 | 3.5 | 2.1 | 1.8 | 1.4 |
| 21 | 1.6 | 1.2 | 1.4 | 1.3 | 1.3 | 1.8 | 1.4 | 1.0 | 1.3 | 1.6 | 2.8 | 3.8 | 3.1 | 3.5 | 3.6 | 3.2 | 3.1 | 3.3 | 3.2 | 3.0 | 2.1 | 1.4 | 1.0 | 1.2 |
| 22 | 1.2 | 1.8 | 2.4 | 2.6 | 3.0 | 2.4 | 2.4 | 1.6 | 1.4 | 1.4 | 2.6 | 2.8 | 3.3 | 4.3 | 5.2 | 4.8 | 4.9 | 4.3 | 4.5 | 3.5 | 2.8 | 2.7 | 1.8 | 1.5 |
| 23 | 1.1 | 1.9 | 2.0 | 1.0 | 1.3 | 1.2 | 0.8 | 0.7 | 1.5 | 2.1 | 1.8 | 1.7 | 2.2 | 2.7 | 2.6 | 2.1 | 2.0 | 3.1 | 2.8 | 3.8 | 2.9 | 1.8 | 1.0 | 0.8 |
| 24 | 1.0 | 1.5 | 1.9 | 2.5 | 2.7 | 2.3 | 1.9 | 1.6 | 2.3 | 2.0 | 1.9 | 2.6 | 2.5 | 3.4 | 3.5 | 2.2 | 2.8 | 2.4 | 2.1 | 2.3 | 3.1 | 2.0 | 1.7 | 2.3 |
| 25 | 2.5 | 2.9 | 2.8 | 2.4 | 2.2 | 2.8 | 2.9 | 2.2 | 1.7 | 1.6 | 1.7 | 2.3 | 2.4 | 3.1 | 2.9 | 2.7 | 3.0 | 3.5 | 4.1 | 4.5 | 4.4 | 3.3 | 3.4 | 2.0 |
| 26 | 1.7 | 1.2 | 1.1 | 0.2 | 0.8 | 1.1 | 1.3 | 1.5 | 1.5 | 2.4 | 2.7 | 2.8 | 2.7 | 3.1 | 3.2 | 3.2 | 3.2 | 3.6 | 4.4 | 4.5 | 3.9 | 3.5 | 2.2 | 2.7 |
| 27 | 2.3 | 1.5 | 0.9 | 1.2 | 1.0 | 0.7 | 0.6 | 0.8 | 1.1 | 2.0 | 2.0 | 2.2 | 2.8 | 3.4 | 3.2 | 3.2 | 3.0 | 3.7 | 3.7 | 4.4 | 3.4 | 1.5 | 2.9 | 1.8 |
| 28 | 2.0 | 1.5 | 1.7 | 1.8 | 1.6 | 2.2 | 1.5 | 0.7 | 1.4 | 1.6 | 2.3 | 2.4 | 2.4 | 2.7 | 4.0 | 3.8 | 3.7 | 4.2 | 4.5 | 4.6 | 5.1 | 5.5 | 5.5 | 4.1 |
| 29 | 3.5 | 3.5 | 3.1 | 2.8 | 2.8 | 2.9 | 1.7 | 1.2 | 1.3 | 1.4 | 2.2 | 2.7 | 3.5 | 3.6 | 2.9 | 3.6 | 4.3 | 3.8 | 4.3 | 5.0 | 4.3 | 3.9 | 4.0 | 5.1 |
| 30 | 4.7 | 3.2 | 2.7 | 2.7 | 2.5 | 2.0 | 1.0 | 1.0 | 1.6 | 1.2 | 1.8 | 2.4 | 2.6 | 3.3 | 3.9 | 3.4 | 4.0 | 5.0 | 5.4 | 6.0 | 4.7 | 4.2 | 3.8 | 3.6 |
| 31 | 3.9 | 3.4 | 2.8 | 3.1 | 3.5 | 3.5 | 3.2 | 2.9 | 3.3 | 2.5 | 2.0 | 2.1 | 2.9 | 3.5 | 3.6 | 4.4 | 4.7 | 5.5 | 5.9 | 4.3 | 6.6 | 6.1 | 6.6 | 6.9 |
| AVG. | 2.4 | 2.2 | 2.1 | 2.1 | 2.0 | 1.9 | 1.5 | 1.4 | 1.5 | 1.7 | 2.0 | 2.3 | 2.7 | 3.2 | 3.3 | 3.3 | 3.5 | 3.5 | 3.6 | 3.7 | 3.5 | 2.9 | 2.7 | 2.6 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Flash II Mountain

ELEVATION : 3325 feet

PARAMETER : Mean Horizontal Wind Speed (meters per second)

LATITUDE : 34 degrees 58 minutes 15 seconds

LONGITUDE : 117 degrees 02 minutes 22 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 6.8 | 5.9 | 5.6 | 4.8 | 4.6 | 5.4 | 4.9 | 3.7 | 3.3 | 2.6 | 2.8 | 3.3 | 2.7 | 3.1 | 4.4 | 4.4 | 3.8 | 6.9 | 10.8 | 10.0 | 7.7 | 6.6 | 7.0 | 6.8 |
| 2 | 6.2 | 6.6 | 7.3 | 7.0 | 7.2 | 5.2 | 4.2 | 3.9 | 4.7 | 3.3 | 3.7 | 3.5 | 3.3 | 5.0 | 5.6 | 6.6 | 7.9 | 10.2 | 9.6 | 9.8 | 9.3 | 8.8 | 7.7 | 7.2 |
| 3 | 6.3 | 7.3 | 7.5 | 6.0 | 6.5 | 6.0 | 5.3 | 5.3 | 4.7 | 3.8 | 4.2 | 6.2 | 7.2 | 5.6 | 6.8 | 8.6 | 9.3 | 9.9 | 9.1 | 8.0 | 8.1 | 6.9 | 5.8 | 6.1 |
| 4 | 6.9 | 6.6 | 6.8 | 7.0 | 5.1 | 3.6 | 4.1 | 4.0 | 2.8 | 3.8 | 3.6 | 5.3 | 5.9 | 5.9 | 6.3 | 7.1 | 7.6 | 8.9 | 10.5 | 9.8 | 8.3 | 7.5 | 7.9 | 8.4 |
| 5 | 6.7 | 7.4 | 6.4 | 6.1 | 6.3 | 6.3 | 5.0 | 5.3 | 4.1 | 4.9 | 6.4 | 8.5 | 8.1 | 8.4 | 9.2 | 9.9 | 9.9 | 9.5 | 9.8 | 7.1 | 5.7 | 5.9 | 8.6 | 7.3 |
| 6 | 7.6 | 6.9 | 6.5 | 7.3 | 7.0 | 6.4 | 7.3 | 5.8 | 3.9 | 3.2 | 4.5 | 4.4 | 4.7 | 6.4 | 8.1 | 8.6 | 8.9 | 8.5 | 8.3 | 6.8 | 5.5 | 3.3 | 3.9 | 5.0 |
| 7 | 4.8 | 3.6 | 3.5 | 3.7 | 3.3 | 3.6 | 3.8 | 2.9 | 3.6 | 3.9 | 4.3 | 5.6 | 7.2 | 7.5 | 9.4 | 9.6 | 10.1 | 9.2 | 9.4 | 5.7 | 4.0 | 5.6 | 5.3 | 4.5 |
| 8 | 5.2 | 5.5 | 3.9 | 3.7 | 3.5 | 3.0 | 2.8 | 3.5 | 2.8 | 2.6 | 2.6 | 2.6 | 2.2 | 3.0 | 2.7 | 3.4 | 3.8 | 6.0 | 5.7 | 3.3 | 3.3 | 4.2 | 4.7 | 4.2 |
| 9 | 4.8 | 3.9 | 3.7 | 4.0 | 4.7 | 4.6 | 4.6 | 3.7 | 3.9 | 2.5 | 2.9 | 3.3 | 3.3 | 4.2 | 6.3 | 8.2 | 8.3 | 8.3 | 9.3 | 7.5 | 5.2 | 4.3 | 5.3 | 3.6 |
| 10 | 4.5 | 3.9 | 3.7 | 3.9 | 3.7 | 4.3 | 3.3 | 2.8 | 3.9 | 3.6 | 4.4 | 5.2 | 5.3 | 5.8 | 6.5 | 8.1 | 8.7 | 8.3 | 5.6 | 4.3 | 5.6 | 6.6 | 6.3 | 4.0 |
| 11 | 3.7 | 3.5 | 3.6 | 4.6 | 3.4 | 3.6 | 3.8 | 2.7 | 3.1 | 2.0 | 2.1 | 2.8 | 3.3 | 4.9 | 6.5 | 6.9 | 7.8 | 9.1 | 7.9 | 7.9 | 5.8 | 2.7 | 3.4 | 4.2 |
| 12 | 4.1 | 4.0 | 3.9 | 2.8 | 1.3 | 1.9 | 2.4 | 1.4 | 3.3 | 2.5 | 2.6 | 4.6 | 3.0 | 3.2 | 4.0 | 3.4 | 6.3 | 7.2 | 7.4 | 5.9 | 3.7 | 4.3 | 3.3 | 6.0 |
| 13 | 4.4 | 5.3 | 6.2 | 4.2 | 4.3 | 4.4 | 4.4 | 2.5 | 3.2 | 2.8 | 2.7 | 3.0 | 3.4 | 3.3 | 4.2 | 5.9 | 6.4 | 7.8 | 7.7 | 6.8 | 7.5 | 6.3 | 7.9 | 7.5 |
| 14 | 6.9 | 6.2 | 7.2 | 7.5 | 6.5 | 6.9 | 6.1 | 4.9 | 3.9 | 3.2 | 3.5 | 4.5 | 4.7 | 6.8 | 6.2 | 5.9 | 6.3 | 7.5 | 7.5 | 8.8 | 5.7 | 8.1 | 7.9 | 7.7 |
| 15 | 6.6 | 6.5 | 6.3 | 4.8 | 3.7 | 3.0 | 2.1 | 1.6 | 1.5 | 1.3 | 2.5 | 3.7 | 3.4 | 4.4 | 5.6 | 7.0 | 7.0 | 7.9 | 8.7 | 9.6 | 8.1 | 7.4 | 9.1 | 8.5 |
| 16 | 8.6 | 9.3 | 7.5 | 7.0 | 7.6 | 7.1 | 4.8 | 3.2 | 4.6 | 5.1 | 7.4 | 8.0 | 9.0 | 9.2 | 10.7 | 10.5 | 11.3 | 9.7 | 8.8 | 10.5 | 11.1 | 11.7 | 10.4 | 10.7 |
| 17 | 11.2 | 10.3 | 8.0 | 9.2 | 7.9 | 7.9 | 7.6 | 7.4 | 9.1 | 11.1 | 10.5 | 10.1 | 10.4 | 11.0 | 10.9 | 11.5 | 10.6 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] |
| 18 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] |
| 19 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | 2.1 | 3.1 | 2.3 | 2.1 | 4.2 | 4.4 | 5.9 | 4.0 | 3.0 | 3.8 |
| 20 | 3.2 | 2.8 | 3.9 | 4.3 | 6.4 | 6.5 | 7.2 | 8.3 | 9.5 | 9.9 | 8.7 | 8.6 | 6.9 | 6.3 | 5.3 | 4.7 | 4.1 | 3.5 | 2.5 | 2.0 | 2.5 | 2.7 | 2.5 | 2.1 |
| 21 | 2.0 | 1.8 | 1.9 | 2.9 | 3.4 | 3.2 | 3.3 | 4.8 | 5.1 | 3.9 | 3.8 | 4.4 | 5.2 | 4.3 | 3.1 | 5.5 | 3.9 | 1.9 | 2.1 | 4.8 | 3.2 | 3.1 | 3.7 | 3.2 |
| 22 | 2.4 | 3.1 | 2.9 | 3.1 | 2.8 | 2.6 | 2.4 | 1.4 | 1.6 | 1.9 | 2.4 | 2.1 | 2.5 | 2.7 | 2.1 | 5.6 | 2.3 | 1.9 | 2.0 | 5.4 | 6.0 | 7.2 | 7.1 | 6.5 |
| 23 | 6.0 | 5.4 | 5.4 | 5.4 | 4.4 | 3.2 | 2.9 | 2.9 | 2.7 | 2.7 | 3.6 | 2.7 | 3.4 | 6.3 | 9.4 | 10.6 | 9.4 | 8.5 | 7.7 | 5.3 | 7.1 | 6.1 | 7.2 | 7.6 |
| 24 | 6.8 | 5.2 | 5.7 | 6.0 | 6.4 | 6.0 | 2.7 | 1.6 | 1.4 | 2.0 | 2.5 | 3.2 | 4.3 | 5.8 | 7.5 | 6.7 | 9.1 | 9.5 | 9.3 | 6.8 | 3.6 | 4.2 | 4.8 | 5.9 |
| 25 | 6.5 | 4.3 | 5.4 | 4.1 | 3.5 | 3.4 | 3.6 | 2.6 | 2.7 | 3.2 | 2.8 | 3.3 | 3.7 | 4.2 | 6.3 | 6.3 | 6.8 | 7.3 | 6.9 | 6.9 | 6.0 | 7.4 | 6.4 | 7.3 |
| 26 | 7.1 | 7.6 | 5.6 | 5.6 | 6.4 | 5.4 | 3.3 | 3.1 | 2.8 | 2.6 | 2.6 | 4.9 | 4.1 | 8.3 | 9.0 | 8.6 | 9.8 | 9.4 | 7.9 | 7.6 | 6.0 | 5.1 | 4.4 | 4.9 |
| 27 | 5.6 | 5.3 | 3.9 | 4.7 | 4.8 | 5.1 | 4.7 | 3.8 | 4.1 | 2.6 | 2.2 | 3.7 | 3.8 | 4.8 | 7.4 | 4.8 | 7.3 | 8.1 | 7.0 | 8.4 | 7.3 | 6.0 | 2.9 | 3.4 |
| 28 | 3.4 | 3.1 | 3.3 | 3.2 | 3.6 | 4.4 | 3.2 | 1.7 | 2.3 | 2.8 | 3.1 | 3.3 | 4.0 | 3.7 | 4.2 | 4.7 | 6.6 | 7.5 | 6.2 | 4.6 | 5.2 | 6.7 | 5.9 | 4.8 |
| 29 | 5.3 | 5.0 | 5.0 | 4.0 | 4.2 | 4.2 | 4.3 | 3.2 | 2.6 | 2.8 | 2.8 | 3.3 | 4.2 | 4.4 | 5.4 | 5.5 | 5.7 | 7.0 | 5.5 | 6.0 | 5.1 | 4.3 | 3.6 | 3.2 |
| 30 | 3.2 | 5.0 | 4.1 | 5.1 | 4.6 | 4.8 | 5.3 | 4.9 | 4.1 | 3.3 | 4.2 | 4.6 | 3.4 | 5.5 | 5.7 | 4.4 | 4.5 | 6.2 | 6.8 | 5.2 | 5.8 | 5.2 | 3.7 | 3.2 |
| 31 | 3.2 | 3.5 | 3.7 | 3.8 | 3.8 | 4.4 | 4.4 | 3.7 | 4.0 | 3.1 | 2.4 | 2.3 | 2.7 | 2.7 | 3.0 | 3.1 | 1.5 | 2.5 | 4.3 | 4.1 | 4.2 | 4.1 | 4.7 | 3.8 |
| AVG. | 5.5 | 5.3 | 5.1 | 5.0 | 4.9 | 4.7 | 4.3 | 3.7 | 3.8 | 3.6 | 3.9 | 4.5 | 4.7 | 5.4 | 6.1 | 6.6 | 6.9 | 7.3 | 7.2 | 6.7 | 5.9 | 5.7 | 5.7 | 5.6 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Ludlow

LATITUDE : 34 degrees 42 minutes 36 seconds

MONTH : August

ELEVATION : 1782 feet

LONGITUDE : 116 degrees 09 minutes 15 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 | 4.9 | 4.7 | 5.1 | 6.1 | 6.2 | 4.9 | 4.4 | 3.7 | 3.6 | 2.2 | 2.6 | 2.5 | 1.6 | 2.3 | 2.8 | 2.1 | 1.2 | 1.8 | 3.8 | 5.0 | 7.5 | 6.6 | 6.3 | 4.7 |
| 2 | 3.0 | 5.3 | 6.1 | 6.0 | 5.7 | 5.0 | 5.5 | 6.0 | 5.7 | 4.8 | 4.1 | 2.8 | 2.4 | 2.2 | 2.3 | 4.0 | 3.4 | 3.5 | 4.8 | 6.6 | 7.0 | 6.0 | 3.5 | 4.0 |
| 3 | 2.7 | 3.4 | 3.8 | 2.6 | 3.1 | 3.6 | 3.4 | 2.8 | 1.4 | 1.7 | 1.7 | 2.8 | 3.5 | 4.0 | 4.5 | 6.2 | 7.0 | 7.4 | 6.7 | 7.1 | 5.3 | 4.1 | 3.0 | 4.5 |
| 4 | 3.8 | 3.0 | 2.9 | 3.1 | 3.1 | 3.0 | 3.3 | 1.5 | 2.1 | 2.4 | 1.9 | 1.7 | 2.4 | 2.9 | 4.4 | 3.6 | 4.4 | 7.2 | 7.0 | 4.7 | 3.5 | 2.7 | 3.1 | 3.1 |
| 5 | 2.5 | 3.1 | 2.7 | 2.6 | 2.0 | 1.7 | 1.4 | 1.2 | 0.9 | 1.4 | 2.0 | 1.9 | 2.8 | 2.3 | 2.4 | 3.2 | 3.1 | 5.2 | 5.8 | 6.6 | 6.6 | 2.7 | 3.7 | 4.6 |
| 6 | 4.1 | 3.4 | 3.4 | 3.8 | 3.9 | 4.0 | 3.3 | 2.2 | 1.7 | 1.9 | 1.9 | 3.5 | 3.2 | 3.2 | 3.6 | 2.8 | 2.2 | 3.3 | 6.9 | 6.7 | 8.9 | 4.9 | 2.8 | 4.5 |
| 7 | 3.4 | 3.5 | 3.4 | 3.8 | 2.9 | 4.0 | 4.4 | 3.4 | 2.5 | 2.5 | 2.5 | 2.1 | 1.9 | 2.2 | 2.2 | 1.4 | 2.6 | 4.4 | 5.1 | 7.1 | 8.4 | 9.1 | 5.6 | 4.2 |
| 8 | 3.6 | 1.9 | 1.5 | 5.4 | 4.8 | 3.9 | 4.5 | 4.7 | 2.1 | 1.2 | 1.1 | 1.4 | 2.3 | 1.8 | 2.2 | 2.1 | 2.2 | 2.0 | 2.4 | 3.9 | 4.2 | 4.0 | 2.9 | 5.0 |
| 9 | 4.9 | 5.4 | 5.1 | 5.0 | 4.0 | 3.7 | 3.9 | 4.0 | 1.7 | 1.1 | 1.2 | 1.8 | 2.7 | 2.9 | 4.1 | 5.1 | 4.7 | 5.9 | 5.0 | 4.4 | 3.2 | 4.1 | 4.6 | 5.1 |
| 10 | 4.9 | 4.3 | 5.1 | 4.4 | 4.2 | 4.5 | 4.6 | 3.4 | 1.7 | 1.0 | 1.0 | 1.6 | 2.0 | 2.7 | 1.9 | 2.2 | 2.1 | 1.0 | 4.9 | 9.1 | 10.0 | 6.2 | 4.0 | 2.3 |
| 11 | 2.4 | 3.2 | 3.0 | 2.9 | 3.3 | 3.6 | 4.5 | 3.5 | 1.8 | 1.3 | 1.4 | 2.1 | 3.4 | 4.0 | 4.9 | 4.8 | 4.9 | 4.5 | 6.2 | 4.3 | 3.0 | 3.5 | 3.1 | 2.9 |
| 12 | 3.2 | 2.6 | 2.3 | 3.0 | 5.2 | 6.8 | 7.3 | 7.3 | 6.3 | 6.5 | 6.2 | 6.6 | 6.9 | 6.8 | 8.5 | 11.7 | 4.7 | 3.5 | 2.5 | 1.5 | 1.2 | 0.9 | 1.7 | 1.4 |
| 13 | 1.2 | 3.3 | 3.3 | 3.8 | 3.9 | 4.0 | 4.3 | 3.1 | 2.0 | 2.1 | 2.3 | 2.2 | 1.9 | 2.5 | 2.8 | 2.9 | 2.7 | 2.3 | 2.3 | 6.6 | 8.5 | 8.5 | 6.5 | 2.3 |
| 14 | 2.3 | 2.0 | 1.9 | 2.0 | 2.5 | 3.6 | 3.9 | 2.8 | 1.3 | 1.6 | 1.9 | 1.9 | 2.1 | 2.4 | 1.9 | 2.8 | 2.6 | 2.1 | 2.2 | 2.6 | 5.0 | 5.3 | 4.2 | 3.8 |
| 15 | 4.1 | 3.3 | 2.1 | 3.1 | 3.5 | 5.4 | 5.4 | 5.3 | 5.0 | 5.4 | 5.8 | 6.0 | 6.0 | 6.1 | 5.6 | 6.0 | 6.2 | 6.4 | 5.4 | 4.4 | 4.2 | 3.1 | 3.2 | 4.2 |
| 16 | 2.8 | 2.9 | 3.5 | 3.3 | 2.6 | 2.4 | 1.1 | 2.1 | 4.0 | 5.3 | 4.9 | 4.6 | 4.1 | 3.9 | 3.1 | 3.9 | 5.3 | 6.8 | 7.3 | 7.9 | 6.8 | 4.7 | 3.7 | 4.2 |
| 17 | 3.5 | 3.0 | 3.0 | 2.4 | 3.3 | 3.2 | 3.0 | 3.4 | 3.1 | 1.7 | 2.7 | 3.4 | 3.0 | 3.8 | 3.1 | 3.4 | 2.5 | 5.6 | 8.1 | 9.4 | 7.5 | 3.0 | 2.1 | 3.5 |
| 18 | 2.0 | 1.4 | 1.1 | 1.2 | 2.4 | 5.0 | 4.9 | 5.6 | 5.1 | 3.6 | 3.0 | 3.8 | 2.5 | 2.1 | 1.8 | 2.5 | 1.8 | 1.2 | 0.7 | 1.4 | 1.3 | 1.0 | 2.4 | 3.2 |
| 19 | 4.7 | 5.1 | 4.6 | 4.4 | 4.4 | 5.1 | 5.2 | 4.3 | 2.8 | 1.5 | 1.5 | 2.9 | 3.4 | 4.0 | 4.7 | 5.5 | 5.8 | 6.1 | 5.0 | 3.4 | 3.3 | 3.7 | 3.9 | 6.5 |
| 20 | 8.4 | 8.1 | 9.2 | 8.9 | 7.6 | 7.3 | 8.7 | 8.3 | 8.0 | 6.1 | 4.9 | 5.1 | 4.5 | 3.8 | 4.8 | 4.6 | 4.2 | 3.0 | 2.6 | 3.6 | 3.1 | 2.1 | 1.4 | 0.8 |
| 21 | 0.5 | 1.1 | 1.3 | 1.6 | 6.0 | 5.7 | 2.3 | 1.7 | 3.9 | 4.4 | 3.9 | 4.1 | 4.2 | 4.3 | 5.7 | 3.9 | 2.7 | 2.3 | 1.3 | 1.0 | 2.3 | 4.0 | 3.8 | 3.3 |
| 22 | 4.0 | 3.6 | 4.0 | 3.8 | 4.4 | 3.1 | 3.8 | 3.7 | 1.7 | 1.2 | 2.5 | 2.8 | 3.5 | 3.7 | 3.0 | 2.7 | 2.8 | 2.6 | 3.6 | 3.1 | 2.5 | 3.1 | 4.1 | 4.5 |
| 23 | 4.0 | 3.6 | 3.7 | 4.4 | 4.0 | 3.5 | 3.3 | 4.0 | 2.2 | 1.0 | 3.1 | 4.0 | 3.4 | 5.0 | 4.3 | 3.6 | 3.9 | 5.1 | 6.1 | 6.4 | 3.2 | 3.2 | 1.2 | 1.4 |
| 24 | 1.2 | 1.0 | 1.0 | 1.8 | 2.6 | 2.9 | 1.5 | 2.3 | 1.2 | 1.8 | 2.8 | 3.2 | 3.6 | 4.1 | 4.6 | 4.1 | 3.7 | 4.2 | 3.5 | 3.9 | 2.9 | 1.5 | 2.1 | 3.4 |
| 25 | 2.7 | 3.0 | 3.5 | 3.4 | 4.1 | 4.4 | 3.9 | 4.0 | 3.0 | 1.8 | 1.5 | 1.4 | 2.3 | 1.7 | 2.7 | 5.6 | 4.4 | 5.8 | 5.5 | 4.0 | 4.0 | 2.3 | 3.0 | 1.9 |
| 26 | 1.8 | 2.5 | 4.1 | 4.6 | 4.8 | 4.6 | 5.0 | 4.5 | 1.7 | 1.5 | 1.7 | 1.3 | 1.8 | 2.5 | 3.2 | 2.5 | 2.0 | 4.5 | 5.4 | 4.2 | 1.8 | 3.2 | 2.6 | 2.6 |
| 27 | 1.7 | 2.1 | 3.7 | 4.0 | 4.4 | 4.2 | 4.7 | 4.8 | 2.8 | 1.7 | 2.6 | 2.4 | 1.9 | 1.9 | 2.8 | 2.4 | 5.7 | 7.7 | 6.2 | 5.2 | 4.9 | 3.5 | 1.9 | 1.5 |
| 28 | 1.5 | 2.0 | 2.8 | 2.7 | 3.0 | 3.3 | 3.8 | 3.2 | 2.2 | 2.2 | 1.9 | 2.0 | 2.3 | 2.3 | 1.9 | 1.8 | 2.4 | 2.5 | 3.6 | 4.3 | 4.0 | 2.7 | 3.4 | 3.7 |
| 29 | 3.0 | 3.4 | 4.1 | 4.8 | 5.1 | 4.9 | 4.3 | 4.9 | 4.8 | 2.1 | 1.8 | 1.7 | 1.9 | 3.0 | 4.2 | 2.9 | 3.6 | 3.2 | 1.6 | 3.0 | 4.9 | 6.8 | 3.9 | 3.2 |
| 30 | 2.9 | 4.0 | 4.2 | 4.1 | 3.7 | 2.8 | 4.4 | 3.8 | 1.3 | 1.6 | 1.6 | 1.8 | 1.7 | 2.0 | 2.2 | 2.5 | 1.6 | 1.9 | 4.1 | 3.5 | 2.6 | 4.9 | 4.4 | 5.1 |
| 31 | 5.9 | 4.5 | 4.6 | 3.8 | 3.7 | 4.0 | 3.9 | 4.1 | 2.6 | 1.5 | 1.6 | 1.6 | 2.4 | 2.5 | 2.2 | 2.5 | 1.5 | 1.4 | 0.6 | 3.2 | 6.0 | 7.0 | 7.0 | 5.5 |
| AVG. | 3.3 | 3.3 | 3.6 | 3.8 | 4.0 | 4.1 | 4.1 | 3.9 | 2.9 | 2.5 | 2.6 | 2.8 | 3.0 | 3.2 | 3.5 | 3.7 | 3.5 | 4.0 | 4.4 | 4.8 | 4.8 | 4.1 | 3.5 | 3.6 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Palmdale

LATITUDE : 34 degrees 33 minutes 26 seconds

MONTH : August

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 | 4.0 | 3.7 | 3.4 | 3.3 | 2.4 | 2.3 | 1.7 | 1.4 | 1.2 | 1.4 | 3.9 | 6.2 | 6.6 | 7.5 | 8.2 | 8.6 | 9.2 | 9.2 | 8.8 | 8.7 | 4.5 | 2.4 | 2.4 | 3.7 |
| 2 | 4.6 | 4.8 | 3.3 | 2.9 | 2.8 | 1.4 | 1.2 | 1.2 | 2.6 | 3.8 | 6.1 | 6.8 | 7.7 | 8.7 | 9.4 | 8.9 | 8.8 | 8.4 | 7.0 | 4.6 | 4.5 | 3.1 | 3.7 | 1.7 |
| 3 | 3.4 | 2.0 | 3.6 | 3.2 | 2.0 | 3.9 | 4.2 | 6.2 | 6.2 | 5.0 | 5.2 | 5.7 | 6.2 | 6.1 | 6.7 | 6.4 | 7.6 | 7.3 | 4.0 | 2.0 | 3.6 | 4.2 | 5.5 | 5.9 |
| 4 | 5.5 | 5.4 | 5.2 | 5.8 | 5.9 | 5.3 | 6.2 | 6.8 | 6.0 | 5.6 | 5.6 | 6.5 | 6.8 | 8.0 | 8.3 | 9.0 | 8.5 | 8.3 | 7.2 | 5.9 | 6.1 | 4.9 | 3.3 | 4.8 |
| 5 | 4.7 | 3.9 | 6.1 | 5.2 | 5.7 | 3.0 | 2.0 | 5.0 | 5.2 | 5.3 | 5.0 | 5.7 | 6.5 | 6.0 | 6.6 | 6.8 | 6.1 | 6.6 | 3.9 | 1.1 | 1.3 | 3.9 | 6.2 | 2.4 |
| 6 | 3.6 | 2.0 | 1.7 | 1.4 | 1.3 | 1.1 | 1.3 | 1.2 | 2.9 | 3.0 | 4.7 | 5.8 | 7.5 | 7.8 | 7.6 | 8.2 | 8.9 | 8.7 | 6.0 | 2.0 | 2.8 | 3.3 | 2.2 | 1.8 |
| 7 | 2.6 | 2.5 | 2.1 | 1.7 | 1.0 | 2.0 | 1.1 | 1.2 | 4.4 | 6.2 | 6.3 | 7.1 | 6.3 | 6.6 | 6.5 | 7.5 | 7.9 | 8.2 | 3.5 | 2.1 | 2.0 | 2.2 | 1.7 | 1.3 |
| 8 | 1.1 | 1.6 | 1.7 | 1.3 | 2.0 | 1.9 | 1.0 | 1.0 | 1.2 | 1.7 | 2.8 | 5.1 | 6.1 | 6.6 | 5.9 | 6.1 | 6.2 | 5.5 | 3.7 | 2.7 | 1.2 | 1.0 | 0.8 | 0.8 |
| 9 | 1.2 | 2.0 | 1.3 | 1.3 | 1.5 | 1.2 | 1.5 | 1.8 | 3.8 | 4.3 | 4.2 | 5.3 | 7.0 | 7.1 | 6.3 | 6.3 | 6.3 | 4.6 | 3.4 | 2.6 | 4.9 | 8.9 | 2.9 | 1.5 |
| 10 | 1.6 | 2.3 | 1.4 | 1.1 | 0.7 | 0.8 | 1.3 | 1.7 | 3.2 | 7.5 | 7.2 | 6.5 | 6.6 | 7.1 | 6.9 | 6.9 | 6.1 | 6.5 | 6.4 | 7.0 | 6.8 | 3.3 | 1.6 | 1.1 |
| 11 | 1.4 | 1.2 | 0.8 | 1.3 | 1.0 | 1.1 | 0.8 | 2.1 | 1.4 | 1.9 | 3.6 | 5.4 | 6.0 | 6.2 | 7.1 | 6.5 | 5.6 | 4.7 | 5.5 | 5.2 | 4.5 | 3.6 | 1.5 | 1.4 |
| 12 | 1.1 | 1.7 | 1.3 | 1.0 | 0.7 | 0.9 | 0.5 | 0.6 | 1.2 | 1.8 | 2.4 | 4.6 | 5.8 | 6.4 | 6.8 | 7.3 | 6.6 | 4.6 | 4.3 | 5.3 | 5.8 | 4.7 | 1.9 | 2.7 |
| 13 | 4.3 | 2.8 | 1.1 | 1.2 | 1.0 | 0.9 | 0.6 | 1.0 | 1.6 | 1.4 | 3.9 | 4.7 | 5.0 | 5.2 | 6.0 | 6.7 | 7.6 | 4.8 | 5.3 | 3.7 | 2.6 | 4.0 | 4.4 | 4.6 |
| 14 | 3.4 | 5.0 | 3.0 | 2.5 | 2.5 | 3.0 | 2.3 | 0.9 | 1.3 | 3.4 | 3.5 | 5.2 | 7.2 | 7.5 | 9.0 | 8.9 | 8.1 | 7.5 | 8.5 | 10.3 | 5.1 | 2.8 | 3.5 | 1.5 |
| 15 | 1.8 | 1.8 | 1.7 | 2.5 | 4.2 | 6.0 | 5.4 | 3.3 | 6.7 | 6.4 | 5.8 | 5.1 | 6.8 | 8.3 | 8.2 | 9.4 | 9.8 | 9.8 | 10.1 | 11.4 | 3.9 | 4.1 | 4.6 | 6.7 |
| 16 | 6.6 | 5.2 | 3.2 | 3.0 | 2.7 | 2.1 | 4.7 | 6.9 | 9.3 | 9.5 | 8.9 | 8.9 | 8.9 | 8.9 | 8.8 | 8.4 | 7.1 | 6.9 | 4.6 | 3.9 | 4.5 | 6.8 | 6.0 | 4.8 |
| 17 | 3.1 | 2.1 | 3.1 | 1.6 | 1.5 | 2.1 | 1.2 | 2.4 | 3.7 | 6.1 | 6.9 | 6.4 | 6.9 | 8.1 | 9.2 | 8.9 | 8.1 | 5.1 | 5.5 | 4.0 | 1.7 | 1.3 | 1.6 | 2.3 |
| 18 | 3.3 | 3.7 | 1.4 | 1.3 | 1.3 | 2.2 | 1.3 | 1.5 | 1.5 | 1.5 | 1.7 | 1.5 | 1.5 | 1.6 | 2.0 | 1.8 | 5.9 | 5.5 | 7.1 | 7.7 | 3.4 | 2.2 | 1.7 | 0.9 |
| 19 | 1.2 | 1.7 | 0.8 | 1.2 | 2.2 | 1.7 | 1.2 | 0.8 | 1.4 | 1.8 | 1.5 | 1.8 | 1.9 | 2.4 | 5.3 | 6.6 | 6.5 | 7.4 | 7.7 | 8.5 | 9.4 | 8.3 | 4.2 | 1.4 |
| 20 | 1.3 | 3.8 | 1.0 | 1.6 | 1.8 | 2.1 | 0.8 | 1.0 | 1.4 | 2.2 | 2.1 | 2.0 | 2.2 | 2.1 | 5.3 | 5.8 | 2.2 | 4.5 | 2.3 | 1.6 | 1.6 | 1.4 | 0.8 | 1.6 |
| 21 | 1.1 | 1.2 | 1.2 | 1.1 | 1.2 | 1.3 | 0.8 | 2.1 | 2.1 | 2.3 | 2.1 | 1.6 | 1.3 | 1.8 | 2.5 | 3.8 | 5.5 | 2.9 | 2.5 | 2.8 | 1.3 | 2.1 | 2.1 | 2.2 |
| 22 | 1.7 | 1.5 | 1.0 | 1.3 | 1.9 | 2.0 | 1.1 | 1.0 | 1.7 | 2.1 | 2.5 | 1.9 | 1.8 | 2.5 | 4.4 | 6.6 | 7.5 | 6.5 | 7.5 | 8.0 | 4.6 | 1.5 | 1.0 | 1.8 |
| 23 | 4.5 | 4.6 | 3.8 | 2.4 | 1.1 | 2.7 | 2.0 | 3.9 | 5.2 | 4.2 | 5.7 | 6.6 | 7.1 | 6.3 | 6.4 | 6.0 | 5.6 | 4.6 | 3.4 | 3.2 | 3.9 | 1.9 | 4.1 | 2.3 |
| 24 | 3.6 | 3.6 | 3.1 | 3.1 | 3.8 | 3.3 | 1.0 | 1.4 | 2.5 | 2.1 | 3.3 | 5.2 | 6.2 | 7.3 | 7.2 | 7.4 | 5.8 | 4.3 | 3.9 | 4.6 | 5.3 | 4.6 | 4.5 | 4.9 |
| 25 | 4.6 | 4.2 | 4.2 | 5.2 | 2.2 | 2.2 | 1.9 | 1.4 | 1.9 | 2.2 | 4.2 | 4.8 | 5.5 | 5.5 | 6.2 | 6.1 | 5.8 | 5.1 | 5.6 | 5.8 | 6.9 | 3.9 | 1.4 | 1.3 |
| 26 | 1.4 | 1.3 | 2.7 | 3.7 | 3.2 | 1.8 | 0.7 | 0.9 | 0.9 | 2.3 | 3.8 | 5.2 | 5.8 | 6.0 | 5.9 | 6.1 | 5.3 | 4.4 | 4.9 | 4.1 | 6.1 | 4.7 | 3.9 | 2.9 |
| 27 | 1.9 | 2.9 | 2.4 | 1.9 | 3.1 | 2.4 | 1.2 | 1.8 | 4.8 | 5.5 | 5.2 | 5.2 | 5.7 | 6.1 | 6.2 | 6.3 | 5.9 | 5.2 | 5.3 | 5.8 | 5.2 | 6.6 | 2.7 | 1.2 |
| 28 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 1.2 | 0.8 | 1.0 | 3.5 | 4.3 | 4.9 | 6.1 | 6.8 | 7.4 | 7.1 | 7.7 | 6.1 | 4.0 | 4.9 | 4.6 | 2.5 | 2.7 | 1.1 | 2.5 |
| 29 | 1.3 | 1.4 | 1.8 | 1.6 | 1.7 | 1.6 | 0.8 | 0.6 | 1.9 | 1.8 | 2.7 | 5.7 | 6.3 | 5.8 | 5.8 | 6.1 | 6.0 | 7.6 | 6.9 | 3.1 | 2.2 | 1.5 | 1.4 | 0.8 |
| 30 | 0.7 | 2.4 | 3.3 | 2.5 | 2.1 | 1.6 | 1.7 | 2.4 | 4.1 | 3.8 | 5.0 | 5.3 | 5.6 | 7.1 | 8.1 | 6.8 | 7.3 | 7.7 | 6.4 | 4.5 | 2.1 | 2.1 | 1.9 | 2.0 |
| 31 | 0.6 | 1.3 | 2.5 | 2.8 | 3.1 | 2.4 | 1.6 | 1.1 | 1.4 | 2.4 | 4.4 | 4.9 | 5.9 | 5.9 | 5.7 | 5.9 | 6.6 | 8.2 | 9.8 | 5.6 | 1.4 | 1.8 | 3.5 | 3.2 |
| AVG. | 2.7 | 2.7 | 2.4 | 2.3 | 2.2 | 2.2 | 1.7 | 2.1 | 3.1 | 3.6 | 4.4 | 5.1 | 5.7 | 6.1 | 6.6 | 6.9 | 6.8 | 6.3 | 5.7 | 4.9 | 3.9 | 3.5 | 2.8 | 2.5 |

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 : August

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 | 5.6 | 5.3 | 4.7 | 3.9 | 3.6 | 4.1 | 3.4 | 2.4 | 1.4 | 1.3 | 2.5 | 2.2 | 3.7 | 4.1 | 7.2 | 9.1 | 7.8 | 6.1 | 6.1 | 5.9 | 6.1 | 5.9 | 6.7 | 5.7 |
| 2 | 7.7 | 6.9 | 6.2 | 6.4 | 6.7 | 6.6 | 5.8 | 4.1 | 2.5 | 2.7 | 2.5 | 3.3 | 6.0 | 9.5 | 10.1 | 10.4 | 9.6 | 7.2 | 6.0 | 5.8 | 5.2 | 5.9 | 5.5 | 5.1 |
| 3 | 6.3 | 6.8 | 6.5 | 5.9 | 5.3 | 5.0 | 4.9 | 2.7 | 2.1 | 2.7 | 2.8 | 4.9 | 7.0 | 9.4 | 11.1 | 10.5 | 10.9 | 10.2 | 9.3 | 8.8 | 7.6 | 6.3 | 7.1 | 5.8 |
| 4 | 5.9 | 6.1 | 7.1 | 6.9 | 7.1 | 6.4 | 6.1 | 6.3 | 6.5 | 7.2 | 8.6 | 8.3 | 9.2 | 9.5 | 9.0 | 9.2 | 8.0 | 8.0 | 7.0 | 7.4 | 7.2 | 7.1 | 7.1 | 6.0 |
| 5 | 5.9 | 6.6 | 6.8 | 6.2 | 6.8 | 6.6 | 6.3 | 4.7 | 3.3 | 3.3 | 3.0 | 3.5 | 4.6 | 4.3 | 4.7 | 5.4 | 5.9 | 6.0 | 5.3 | 6.4 | 6.2 | 3.6 | 3.0 | 4.3 |
| 6 | 3.8 | 2.3 | 4.1 | 5.6 | 5.4 | 6.2 | 5.6 | 5.1 | 4.5 | 2.5 | 3.2 | 3.3 | 3.1 | 3.8 | 6.1 | 5.3 | 7.4 | 5.8 | 4.5 | 5.0 | 4.6 | 4.3 | 3.8 | 3.8 |
| 7 | 4.0 | 3.4 | 3.5 | 3.4 | 4.0 | 3.7 | 3.4 | 3.5 | 2.6 | 2.9 | 2.9 | 2.6 | 3.3 | 4.0 | 3.8 | 5.4 | 5.2 | 4.7 | 4.6 | 3.6 | 5.9 | 4.8 | 4.7 | 4.1 |
| 8 | 4.1 | 4.4 | 3.3 | 4.3 | 3.4 | 3.6 | 3.4 | 2.6 | 1.1 | 1.3 | 2.2 | 2.5 | 2.6 | 3.5 | 7.2 | 8.6 | 7.7 | 6.6 | 6.3 | 6.0 | 5.4 | 4.9 | 4.8 | 5.9 |
| 9 | 7.4 | 6.9 | 6.9 | 6.6 | 6.1 | 5.7 | 3.9 | 3.0 | 5.2 | 4.2 | 6.9 | 8.6 | 10.5 | 10.8 | 10.0 | 9.9 | 8.6 | 7.7 | 8.3 | 7.7 | 7.3 | 6.2 | 6.2 | 8.5 |
| 10 | 6.7 | 7.8 | 8.3 | 6.0 | 3.7 | 4.0 | 6.9 | 6.2 | 4.0 | 2.7 | 2.8 | 3.1 | 4.1 | 5.9 | 7.5 | 6.0 | 6.7 | 6.0 | 4.7 | 4.8 | 6.0 | 2.4 | 2.7 | 3.7 |
| 11 | 3.4 | 4.0 | 3.6 | 3.7 | 3.1 | 4.0 | 4.4 | 5.1 | 4.2 | 4.5 | 6.2 | 8.1 | 8.6 | 7.6 | 7.7 | 8.9 | 8.6 | 8.7 | 7.7 | 6.3 | 6.6 | 7.2 | 8.2 | 7.8 |
| 12 | 6.9 | 6.6 | 6.5 | 6.1 | 6.5 | 6.5 | 5.7 | 4.7 | 3.4 | 3.9 | 5.8 | 7.3 | 7.8 | 8.4 | 10.5 | 10.2 | 10.0 | 8.7 | 5.6 | 5.4 | 4.3 | 4.7 | 3.3 | 3.0 |
| 13 | 3.8 | 2.0 | 2.8 | 2.9 | 3.2 | 2.9 | 2.7 | 1.6 | 1.1 | 1.0 | 1.4 | 2.2 | 1.8 | 5.4 | 6.9 | 7.9 | 8.5 | 7.3 | 5.2 | 5.0 | 7.3 | 7.6 | 5.7 | 5.7 |
| 14 | 6.5 | 7.1 | 6.5 | 5.5 | 5.3 | 4.0 | 4.3 | 2.8 | 2.0 | 2.0 | 3.2 | 3.6 | 5.3 | 6.6 | 8.1 | 8.6 | 9.1 | 8.8 | 8.0 | 7.6 | 7.9 | 7.8 | 8.1 | 7.7 |
| 15 | 6.9 | 7.3 | 8.6 | 8.6 | 7.3 | 7.3 | 7.2 | 3.8 | 3.5 | 4.2 | 5.3 | 6.8 | 6.8 | 9.0 | 8.2 | 8.9 | 9.4 | 8.5 | 8.9 | 8.4 | 8.1 | 7.2 | 6.8 | 6.0 |
| 16 | 7.6 | 4.1 | 3.0 | 4.5 | 5.2 | 7.7 | 8.9 | 8.9 | 5.9 | 4.6 | 4.2 | 5.3 | 7.0 | 8.3 | 9.1 | 8.5 | 8.3 | 7.6 | 7.9 | 7.9 | 8.6 | 7.8 | 8.4 | 8.4 |
| 17 | 7.8 | 7.1 | 8.2 | 8.4 | 8.5 | 8.0 | 7.6 | 6.1 | 3.5 | 3.7 | 5.6 | 5.9 | 6.2 | 6.4 | 6.3 | 8.4 | 5.3 | 5.6 | 6.3 | 8.9 | 8.6 | 7.7 | 7.4 | 8.8 |
| 18 | 7.6 | 7.4 | 6.7 | 5.1 | 5.3 | 4.7 | 3.8 | 4.8 | 1.9 | 1.9 | 2.1 | 2.4 | 2.3 | 2.1 | 1.9 | 3.1 | 2.6 | 5.1 | 6.0 | 5.9 | 5.7 | 2.7 | 2.9 | 3.3 |
| 19 | 2.6 | 2.0 | 1.0 | 0.7 | 0.5 | 1.0 | 1.7 | 0.9 | 0.8 | 1.8 | 1.9 | 2.7 | 4.2 | 4.7 | 4.3 | 5.4 | 6.3 | 7.7 | 7.6 | 8.2 | 6.8 | 6.3 | 7.1 | 5.0 |
| 20 | 3.6 | 2.2 | 1.6 | 2.1 | 1.8 | 1.9 | 1.9 | 3.2 | 3.1 | 3.2 | 2.5 | 1.9 | 2.5 | 3.0 | 2.7 | 4.4 | 5.0 | 5.6 | 6.0 | 5.4 | 4.1 | 3.3 | 2.0 | 0.8 |
| 21 | 0.8 | 0.9 | 1.3 | 1.7 | 1.7 | 2.1 | 1.0 | 1.0 | 0.8 | 1.1 | 1.5 | 1.7 | 2.3 | 3.1 | 3.1 | 8.0 | 6.8 | 5.8 | 4.8 | 4.3 | 4.1 | 3.7 | 2.9 | 2.6 |
| 22 | 1.5 | 1.5 | 2.0 | 2.6 | 1.6 | 0.8 | 1.0 | 1.3 | 1.0 | 1.8 | 2.3 | 2.2 | 2.6 | 4.0 | 3.8 | 3.9 | 5.2 | 6.4 | 5.6 | 5.7 | 6.1 | 4.9 | 2.4 | 2.3 |
| 23 | 1.5 | 0.9 | 2.2 | 1.9 | 2.7 | 3.2 | 2.8 | 2.2 | 3.1 | 4.6 | 6.1 | 7.6 | 9.5 | 10.4 | 9.3 | 10.1 | 9.8 | 8.1 | 5.4 | 6.2 | 7.0 | 6.7 | 5.3 | 6.1 |
| 24 | 5.8 | 4.6 | 3.0 | 3.8 | 3.9 | 3.5 | 3.7 | 3.5 | 3.9 | 4.8 | 5.8 | 6.8 | 8.8 | 9.2 | 9.3 | 10.2 | 10.1 | 9.8 | 8.9 | 8.3 | 8.9 | 9.0 | 8.2 | 8.7 |
| 25 | 8.6 | 6.9 | 6.9 | 5.9 | 4.4 | 5.5 | 3.9 | 2.2 | 1.5 | 2.1 | 2.8 | 4.8 | 7.0 | 9.4 | 10.2 | 10.7 | 10.6 | 9.6 | 7.3 | 7.9 | 7.3 | 8.4 | 8.3 | 8.7 |
| 26 | 9.0 | 9.0 | 9.0 | 8.3 | 8.4 | 7.7 | 6.8 | 5.2 | 3.6 | 2.6 | 3.1 | 2.4 | 3.5 | 3.7 | 4.6 | 6.3 | 7.3 | 7.8 | 6.6 | 6.8 | 6.7 | 7.4 | 7.4 | 8.1 |
| 27 | 7.6 | 7.5 | 8.1 | 7.6 | 6.9 | 6.6 | 6.4 | 6.2 | 4.8 | 3.0 | 3.4 | 7.2 | 7.8 | 9.3 | 9.4 | 9.5 | 8.6 | 8.3 | 5.3 | 4.6 | 3.5 | 5.8 | 7.5 | 5.4 |
| 28 | 3.9 | 5.1 | 5.5 | 5.8 | 5.3 | 6.5 | 6.4 | 6.1 | 2.6 | 1.6 | 1.6 | 3.2 | 2.9 | 6.7 | 7.5 | 8.6 | 5.8 | 4.2 | 4.6 | 4.1 | 4.0 | 4.6 | 4.1 | 4.1 |
| 29 | 3.9 | 3.7 | 3.8 | 4.2 | 3.0 | 3.2 | 2.5 | 0.9 | 1.3 | 1.5 | 1.8 | 2.1 | 2.4 | 3.4 | 4.8 | 7.2 | 7.6 | 3.7 | 4.2 | 3.9 | 3.6 | 4.2 | 4.2 | 5.7 |
| 30 | 5.7 | 5.4 | 3.3 | 3.3 | 4.1 | 3.0 | 2.4 | 2.2 | 1.5 | 1.2 | 2.0 | 2.8 | 3.3 | 6.2 | 7.6 | 8.6 | 8.2 | 5.7 | 5.6 | 4.2 | 2.7 | 3.5 | 3.4 | 3.6 |
| 31 | 2.8 | 1.8 | 1.6 | 1.3 | 1.3 | 2.5 | 2.4 | 3.0 | 3.5 | 1.5 | 1.8 | 1.9 | 3.2 | 4.8 | 5.2 | 6.7 | 6.3 | 3.4 | 5.3 | 4.4 | 4.3 | 3.0 | 2.8 | 2.8 |
| AVG. | 5.3 | 5.0 | 4.9 | 4.8 | 4.6 | 4.7 | 4.4 | 3.8 | 2.9 | 2.8 | 3.5 | 4.2 | 5.2 | 6.3 | 7.0 | 7.9 | 7.7 | 6.9 | 6.3 | 6.2 | 6.1 | 5.6 | 5.4 | 5.4 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Shadow Mountain

LATITUDE : 34 degrees 44 minutes 15 seconds

MONTH : August

ELEVATION : 4120 feet

LONGITUDE : 117 degrees 33 minutes 54 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 | 7.7 | 7.7 | 7.3 | 7.0 | 6.1 | 6.4 | 6.5 | 6.0 | 4.7 | 2.6 | 2.6 | 2.4 | 2.8 | 5.1 | 4.1 | 6.6 | 10.5 | 12.4 | 11.0 | 10.5 | 10.2 | 10.1 | 9.6 | 8.2 |
| 2 | 8.3 | 8.4 | 8.1 | 8.2 | 8.3 | 8.1 | 6.7 | 6.5 | 6.7 | 6.4 | 6.2 | 5.3 | 4.9 | 7.6 | 8.3 | 9.3 | 11.5 | 11.7 | 10.6 | 10.0 | 9.3 | 9.1 | 9.3 | 9.8 |
| 3 | 9.1 | 9.5 | 9.3 | 9.7 | 9.5 | 8.9 | 8.0 | 6.7 | 7.1 | 7.0 | 9.0 | 8.9 | 8.2 | 9.5 | 11.0 | 11.3 | 11.1 | 10.1 | 9.6 | 9.4 | 9.6 | 10.6 | 10.6 | 11.0 |
| 4 | 7.9 | 8.3 | 7.7 | 8.5 | 9.4 | 8.9 | 5.5 | 5.5 | 4.7 | 4.2 | 4.0 | 3.7 | 4.4 | 5.4 | 6.3 | 7.9 | 10.2 | 10.9 | 11.4 | 10.7 | 10.4 | 10.4 | 10.9 | 9.8 |
| 5 | 10.4 | 10.2 | 10.0 | 9.1 | 9.2 | 8.9 | 7.7 | 6.4 | 6.2 | 7.2 | 9.4 | 8.8 | 9.4 | 11.4 | 13.0 | 13.0 | 12.0 | 11.4 | 9.3 | 8.7 | 10.7 | 10.7 | 11.0 | 9.3 |
| 6 | 9.2 | 8.7 | 7.3 | 6.5 | 7.0 | 7.1 | 7.4 | 6.6 | 7.1 | 7.3 | 8.4 | 8.6 | 7.9 | 10.7 | 11.5 | 11.9 | 12.5 | 12.0 | 11.6 | 9.9 | 8.8 | 8.0 | 7.3 | 6.9 |
| 7 | 6.5 | 6.3 | 6.6 | 7.6 | 7.3 | 6.9 | 6.2 | 5.8 | 4.9 | 5.6 | 6.6 | 6.7 | 9.3 | 11.8 | 11.9 | 10.7 | 10.5 | 11.4 | 10.9 | 9.3 | 8.3 | 8.2 | 7.8 | 7.5 |
| 8 | 6.3 | 5.9 | 7.1 | 5.8 | 5.4 | 4.7 | 3.2 | 1.4 | 1.8 | 3.9 | 4.2 | 3.0 | 3.5 | 4.3 | 5.6 | 7.8 | 10.8 | 10.4 | 9.8 | 9.1 | 8.6 | 5.9 | 6.3 | 7.2 |
| 9 | 6.5 | 6.5 | 6.6 | 5.9 | 4.8 | 5.0 | 4.2 | 2.5 | 1.3 | 1.4 | 2.4 | 5.1 | 6.2 | 7.1 | 6.1 | 12.1 | 13.2 | 11.7 | 9.7 | 8.9 | 9.1 | 9.3 | 7.8 | 6.1 |
| 10 | 5.0 | 5.7 | 5.5 | 5.5 | 5.4 | 6.1 | 5.7 | 5.8 | 6.4 | 6.5 | 4.8 | 7.7 | 8.7 | 9.7 | 11.0 | 12.2 | 13.2 | 13.3 | 12.0 | 11.2 | 8.9 | 7.6 | 7.2 | 7.6 |
| 11 | 8.7 | 9.3 | 8.5 | 6.4 | 5.9 | 4.2 | 2.8 | 2.1 | 1.3 | 2.1 | 2.2 | 5.2 | 7.6 | 7.7 | 9.4 | 9.2 | 10.1 | 10.4 | 9.7 | 8.9 | 9.2 | 6.8 | 4.6 | 4.3 |
| 12 | 4.8 | 5.2 | 4.9 | 5.1 | 3.0 | 2.1 | 2.7 | 2.2 | 1.8 | 2.1 | 1.8 | 2.6 | 3.9 | 5.0 | 7.4 | 12.0 | 13.1 | 13.3 | 11.9 | 10.3 | 8.7 | 8.6 | 9.3 | 8.6 |
| 13 | 8.2 | 8.3 | 8.3 | 7.5 | 6.0 | 5.4 | 5.3 | 4.4 | 2.1 | 2.5 | 3.6 | 4.5 | 4.6 | 5.3 | 8.9 | 11.6 | 12.5 | 12.1 | 11.6 | 12.2 | 10.3 | 10.3 | 9.5 | 8.9 |
| 14 | 10.3 | 9.7 | 9.7 | 10.9 | 10.7 | 9.0 | 7.2 | 6.1 | 5.5 | 4.0 | 4.5 | 6.7 | 6.7 | 6.7 | 8.0 | 9.2 | 11.0 | 11.2 | 9.6 | 8.9 | 8.1 | 8.1 | 8.8 | 8.5 |
| 15 | 7.8 | 7.6 | 6.0 | 5.1 | 4.5 | 2.3 | 2.2 | 1.9 | 2.3 | 3.1 | 2.6 | 1.7 | 4.3 | 5.0 | 7.6 | 8.4 | 10.0 | 10.4 | 10.3 | 10.9 | 14.0 | 13.1 | 11.0 | 11.1 |
| 16 | 9.3 | 9.9 | 9.1 | 9.7 | 8.6 | 6.8 | 5.7 | 6.6 | 9.6 | 10.1 | 10.7 | 10.7 | 10.6 | 12.2 | 12.9 | 12.6 | 13.8 | 15.1 | 13.2 | 12.6 | 11.1 | 13.3 | 11.9 | 12.2 |
| 17 | 12.2 | 11.0 | 11.0 | 11.7 | 11.7 | 11.7 | 10.7 | 10.2 | 9.6 | 9.3 | 8.9 | 9.8 | 10.1 | 11.0 | 11.1 | 12.2 | 12.6 | 12.6 | 12.0 | 12.4 | 13.8 | 14.0 | 13.3 | 11.8 |
| 18 | 11.1 | 13.1 | 13.6 | 11.1 | 8.9 | 9.1 | 8.0 | 6.3 | 4.2 | 2.4 | 2.8 | 3.3 | 2.7 | 2.0 | 2.1 | 2.1 | 1.5 | 1.8 | 1.0 | 4.7 | 6.1 | 6.2 | 4.7 | 3.2 |
| 19 | 2.0 | 2.7 | 2.3 | 1.7 | 1.7 | 2.5 | 1.9 | 1.2 | 1.3 | 2.3 | 3.7 | 3.7 | 6.4 | 9.0 | 8.7 | 7.8 | 4.5 | 4.7 | 4.8 | 4.1 | 5.2 | 4.4 | 2.5 | 2.4 |
| 20 | 1.9 | 1.3 | 2.2 | 2.6 | 3.6 | 2.7 | 2.2 | 3.3 | 4.5 | 4.3 | 5.2 | 5.6 | 7.3 | 7.1 | 6.7 | 6.6 | 8.1 | 7.5 | 5.3 | 5.3 | 4.5 | 2.8 | 2.1 | 2.8 |
| 21 | 1.6 | 2.4 | 2.4 | 1.6 | 1.6 | 2.3 | 2.0 | 2.1 | 3.3 | 3.8 | 3.6 | 2.9 | 3.0 | 4.6 | 4.9 | 10.1 | 7.8 | 4.3 | 2.3 | 2.3 | 2.8 | 3.9 | 4.1 | 4.8 |
| 22 | 3.2 | 3.1 | 3.2 | 3.3 | 2.3 | 1.5 | 0.9 | 1.0 | 1.7 | 3.2 | 4.5 | 3.0 | 3.4 | 3.5 | 5.0 | 6.2 | 6.9 | 7.4 | 8.2 | 7.0 | 7.4 | 7.6 | 7.8 | 7.5 |
| 23 | 6.2 | 5.8 | 5.0 | 5.1 | 5.1 | 4.9 | 3.8 | 1.7 | 2.9 | 1.6 | 2.7 | 3.9 | 5.8 | 6.1 | 7.9 | 11.5 | 13.2 | 12.2 | 10.8 | 9.9 | 9.1 | 7.7 | 9.0 | 10.2 |
| 24 | 9.0 | 7.6 | 7.4 | 6.3 | 5.7 | 5.0 | 3.6 | 1.5 | 2.0 | 1.3 | 2.9 | 3.6 | 5.6 | 4.5 | 5.4 | 8.0 | 9.1 | 9.7 | 8.3 | 6.3 | 5.9 | 7.0 | 8.9 | 8.9 |
| 25 | 7.5 | 7.2 | 6.5 | 6.8 | 6.7 | 5.6 | 5.3 | 4.8 | 4.2 | 2.7 | 2.4 | 4.2 | 6.4 | 8.7 | 12.2 | 12.2 | 10.9 | 10.9 | 9.2 | 9.1 | 8.0 | 7.2 | 7.3 | 7.1 |
| 26 | 7.2 | 7.5 | 7.6 | 6.4 | 6.3 | 3.8 | 2.9 | 1.3 | 2.0 | 3.1 | 5.1 | 9.6 | 11.6 | 13.2 | 13.6 | 14.4 | 12.6 | 10.4 | 8.3 | 8.6 | 8.3 | 6.5 | 4.8 | 4.9 |
| 27 | 5.1 | 5.5 | 6.4 | 6.5 | 6.8 | 6.5 | 5.2 | 3.3 | 1.9 | 2.9 | 4.0 | 5.7 | 4.7 | 7.8 | 9.8 | 11.3 | 12.0 | 11.2 | 9.8 | 9.2 | 8.8 | 8.1 | 7.4 | 5.9 |
| 28 | 6.1 | 5.7 | 5.6 | 5.3 | 6.2 | 5.5 | 4.2 | 1.9 | 2.2 | 4.2 | 4.8 | 5.0 | 5.0 | 5.4 | 7.0 | 7.7 | 10.0 | 10.6 | 10.3 | 8.4 | 9.3 | 8.1 | 6.7 | 6.1 |
| 29 | 5.9 | 5.4 | 4.8 | 4.2 | 5.2 | 5.3 | 4.7 | 3.9 | 2.1 | 2.2 | 3.6 | 4.6 | 4.6 | 5.9 | 6.9 | 8.9 | 10.5 | 10.4 | 9.9 | 9.4 | 8.6 | 8.1 | 8.5 | 8.0 |
| 30 | 7.8 | 7.8 | 8.5 | 8.1 | 8.5 | 9.2 | 7.7 | 7.5 | 6.8 | 7.4 | 7.0 | 7.0 | 6.6 | 5.3 | 6.2 | 7.0 | 8.7 | 9.8 | 10.3 | 9.3 | 8.4 | 7.6 | 7.0 | 6.6 |
| 31 | 6.7 | 5.9 | 6.4 | 7.1 | 6.5 | 5.1 | 3.5 | 1.7 | 0.8 | 1.5 | 3.2 | 3.8 | 4.6 | 5.8 | 6.8 | 8.1 | 9.6 | 9.3 | 9.1 | 9.0 | 7.9 | 7.6 | 7.2 | 7.0 |
| AVG. | 7.1 | 7.1 | 6.9 | 6.7 | 6.4 | 5.9 | 5.0 | 4.1 | 4.0 | 4.1 | 4.8 | 5.4 | 6.2 | 7.2 | 8.3 | 9.7 | 10.5 | 10.3 | 9.4 | 8.9 | 8.7 | 8.3 | 7.9 | 7.6 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Baldy Mesa

ELEVATION : 4250 feet

PARAMETER : Peak Wind Gust (meters per second)

LATITUDE : 34 degrees 23 minutes 20 seconds

LONGITUDE : 117 degrees 26 minutes 33 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 6.2 | 5.9 | 5.4 | 4.6 | 3.5 | 3.5 | 2.6 | 3.2 | 3.8 | 5.0 | 7.2 | 8.1 | 8.8 | 8.9 | 9.6 | 10.1 | 11.4 | 11.8 | 11.8 | 11.4 | 10.5 | 8.3 | 7.3 | 6.8 | 11.8 |
| 2 | 6.3 | 6.4 | 6.9 | 7.6 | 6.6 | 6.5 | 5.7 | 6.6 | 5.2 | 5.3 | 7.3 | 9.7 | 11.1 | 12.3 | 11.5 | 12.0 | 11.0 | 11.7 | 10.7 | 9.5 | 9.2 | 8.5 | 8.5 | 8.3 | 12.3 |
| 3 | 8.6 | 9.1 | 8.2 | 8.7 | 8.0 | 7.6 | 8.3 | 8.3 | 8.6 | 10.6 | 10.7 | 10.5 | 11.3 | 12.4 | 13.5 | 13.5 | 13.9 | 13.5 | 10.6 | 9.4 | 7.6 | 7.9 | 8.7 | 8.8 | 13.9 |
| 4 | 8.0 | 7.4 | 7.2 | 7.6 | 7.6 | 8.5 | 7.8 | 9.7 | 12.2 | 11.4 | 11.7 | 13.4 | 12.9 | 14.1 | 13.3 | 13.6 | 13.1 | 12.0 | 10.7 | 10.0 | 10.2 | 9.9 | 8.9 | 9.0 | 14.1 |
| 5 | 9.2 | 9.3 | 9.3 | 8.8 | 9.6 | 8.9 | 8.4 | 8.9 | 9.5 | 9.4 | 10.4 | 9.5 | 11.0 | 11.2 | 9.8 | 10.2 | 9.9 | 9.8 | 9.4 | 9.5 | 8.8 | 8.6 | 8.3 | 9.1 | 11.2 |
| 6 | 8.5 | 9.5 | 8.5 | 8.6 | 8.8 | 7.0 | 5.8 | 5.1 | 4.4 | 5.8 | 6.2 | 8.2 | 10.3 | 9.5 | 10.0 | 11.0 | 9.9 | 9.9 | 8.6 | 8.3 | 7.3 | 5.3 | 2.5 | 2.7 | 11.0 |
| 7 | 3.3 | 3.1 | 3.9 | 4.6 | 5.6 | 5.7 | 2.2 | 3.6 | 4.4 | 6.2 | 7.2 | 9.1 | 8.9 | 11.3 | 10.0 | 8.8 | 9.4 | 8.3 | 8.2 | 7.6 | 8.1 | 5.1 | 4.7 | 3.6 | 11.3 |
| 8 | 4.4 | 5.3 | 4.7 | 4.6 | 3.6 | 4.7 | 5.1 | 5.0 | 4.4 | 7.0 | 7.9 | 7.3 | 8.6 | 10.1 | 11.4 | 10.5 | 10.3 | 10.1 | 9.2 | 6.5 | 5.6 | 7.1 | 7.3 | 7.3 | 11.4 |
| 9 | 7.3 | 7.8 | 8.2 | 7.3 | 6.8 | 7.4 | 7.8 | 10.1 | 9.7 | 9.5 | 8.9 | 9.8 | 11.3 | 10.6 | 9.9 | 9.7 | 9.6 | 8.5 | 7.6 | 5.8 | 7.2 | 8.6 | 9.5 | 8.0 | 11.3 |
| 10 | 10.2 | 9.4 | 9.7 | 10.0 | 9.7 | 9.6 | 9.5 | 9.3 | 9.8 | 9.5 | 10.0 | 9.8 | 10.8 | 10.6 | 11.1 | 11.1 | 11.5 | 11.5 | 9.4 | 8.4 | 8.4 | 9.1 | 8.4 | 7.3 | 11.5 |
| 11 | 6.7 | 6.5 | 6.8 | 6.0 | 7.1 | 7.9 | 8.3 | 7.6 | 9.6 | 9.8 | 10.4 | 10.8 | 10.7 | 9.8 | 9.7 | 10.3 | 9.9 | 9.2 | 7.6 | 4.1 | 4.8 | 5.6 | 5.8 | 5.6 | 10.8 |
| 12 | 6.5 | 5.2 | 5.6 | 6.7 | 7.6 | 6.9 | 5.7 | 7.9 | 10.2 | 10.6 | 13.0 | 11.5 | 11.9 | 12.4 | 13.3 | 12.9 | 13.2 | 11.9 | 10.1 | 7.8 | 8.1 | 7.9 | 9.6 | 9.3 | 13.3 |
| 13 | 7.9 | 7.4 | 5.9 | 5.4 | 4.3 | 3.1 | 2.5 | 2.7 | 5.2 | 7.1 | 8.8 | 9.7 | 9.5 | 10.6 | 10.4 | 11.1 | 11.4 | 10.9 | 11.4 | 10.4 | 10.3 | 8.9 | 9.2 | 7.2 | 11.4 |
| 14 | 6.0 | 5.4 | 6.5 | 7.3 | 8.7 | 9.2 | 8.1 | 7.9 | 8.6 | 10.2 | 11.7 | 11.5 | 12.4 | 11.6 | 13.2 | 13.2 | 13.0 | 12.5 | 11.9 | 11.3 | 10.9 | 11.0 | 11.1 | 9.8 | 13.2 |
| 15 | 12.3 | 11.1 | 10.9 | 10.4 | 10.7 | 11.4 | 11.5 | 12.5 | 13.5 | 13.0 | 11.9 | 12.5 | 11.5 | 11.6 | 13.3 | 13.0 | 14.6 | 13.7 | 13.4 | 13.0 | 13.3 | 12.5 | 11.8 | 12.3 | 14.6 |
| 16 | 11.2 | 10.7 | 11.8 | 10.7 | 10.4 | 11.6 | 11.3 | 11.9 | 11.8 | 12.0 | 12.3 | 13.0 | 13.7 | 14.4 | 14.9 | 14.1 | 14.3 | 11.5 | 11.9 | 13.0 | 11.4 | 10.4 | 11.2 | 9.8 | 14.9 |
| 17 | 8.5 | 7.8 | 7.2 | 7.3 | 7.6 | 8.7 | 9.7 | 9.7 | 10.5 | 10.1 | 9.1 | 10.2 | 12.4 | 11.9 | 11.8 | 12.4 | 11.4 | 11.2 | 10.5 | 8.7 | 11.5 | 10.1 | 8.4 | 10.1 | 12.4 |
| 18 | 10.8 | 11.5 | 12.0 | 10.9 | 9.8 | 8.3 | 7.7 | 6.3 | 6.0 | 4.3 | 5.8 | 7.8 | 7.1 | 7.6 | 8.3 | 8.5 | 10.0 | 10.2 | 9.5 | 9.6 | 9.9 | 8.7 | 6.9 | 6.5 | 12.0 |
| 19 | 6.3 | 5.3 | 3.8 | 1.2 | 1.0 | 0.7 | 1.4 | 4.8 | 6.1 | 8.7 | 10.1 | 12.5 | 12.5 | 12.3 | 11.2 | 11.1 | 10.2 | 10.2 | 9.6 | 9.4 | 9.7 | 9.7 | 9.3 | 9.5 | 12.5 |
| 20 | 8.4 | 6.5 | 6.6 | 6.3 | 6.1 | 5.4 | 7.0 | 5.9 | 8.4 | 8.7 | 10.2 | 10.1 | 9.1 | 10.1 | 10.1 | 9.8 | 6.1 | 5.4 | 6.4 | 6.7 | 7.0 | 6.6 | 5.8 | 3.5 | 10.2 |
| 21 | 3.6 | 3.5 | 2.7 | 2.4 | 2.9 | 3.9 | 5.8 | 6.2 | 6.5 | 7.6 | 6.3 | 9.0 | 6.7 | 7.7 | 9.4 | 11.4 | 9.7 | 9.5 | 8.1 | 6.7 | 6.5 | 4.7 | 4.2 | 2.9 | 11.4 |
| 22 | 2.1 | 1.1 | 3.0 | 3.5 | 3.7 | 3.3 | 1.9 | 2.7 | 3.6 | 6.6 | 6.6 | 9.2 | 10.6 | 9.2 | 9.1 | 9.7 | 9.7 | 9.5 | 9.2 | 9.1 | 9.5 | 9.0 | 9.2 | 8.5 | 10.6 |
| 23 | 8.2 | 6.6 | 7.8 | 8.0 | 7.2 | 5.9 | 6.5 | 6.7 | 7.6 | 9.5 | 10.7 | 12.0 | 11.1 | 10.2 | 10.3 | 10.9 | 9.4 | 9.3 | 7.1 | 6.8 | 6.4 | 7.4 | 7.6 | 7.9 | 12.0 |
| 24 | 7.1 | 7.7 | 6.8 | 5.8 | 4.8 | 5.7 | 9.4 | 10.5 | 11.0 | 10.8 | 11.5 | 11.7 | 11.3 | 11.3 | 11.8 | 11.8 | 10.0 | 10.2 | 8.4 | 8.2 | 10.9 | 9.9 | 10.3 | 7.2 | 11.8 |
| 25 | 7.9 | 7.2 | 7.3 | 7.0 | 7.0 | 4.5 | 3.5 | 5.1 | 8.5 | 9.2 | 10.3 | 10.7 | 11.5 | 12.0 | 11.6 | 12.4 | 11.7 | 12.0 | 11.0 | 8.0 | 9.0 | 9.0 | 9.2 | 9.4 | 12.4 |
| 26 | 10.1 | 11.2 | 11.2 | 11.6 | 12.3 | 10.4 | 11.0 | 8.6 | 10.8 | 10.3 | 9.9 | 9.6 | 9.5 | 8.7 | 9.7 | 9.5 | 8.2 | 7.8 | 8.6 | 7.2 | 7.6 | 8.4 | 7.8 | 7.9 | 12.3 |
| 27 | 8.7 | 9.1 | 10.0 | 9.3 | 7.8 | 8.4 | 7.8 | 9.1 | 9.3 | 8.2 | 9.6 | 10.0 | 10.8 | 13.0 | 12.4 | 10.8 | 9.9 | 9.1 | 7.1 | 7.0 | 6.5 | 6.5 | 6.5 | 6.3 | 13.0 |
| 28 | 5.8 | 6.4 | 6.4 | 6.9 | 6.6 | 5.8 | 7.0 | 7.2 | 7.1 | 7.0 | 7.0 | 8.1 | 10.0 | 10.5 | 10.5 | 10.5 | 9.4 | 8.0 | 5.7 | 5.6 | 3.4 | 3.2 | 3.8 | 4.1 | 10.5 |
| 29 | 3.4 | 3.3 | 2.7 | 2.2 | 3.0 | 1.9 | 1.6 | 2.3 | 4.4 | 5.9 | 7.0 | 7.7 | 8.2 | 9.3 | 10.2 | 11.2 | 10.5 | 9.9 | 7.6 | 8.2 | 7.9 | 6.0 | 6.1 | 6.9 | 11.2 |
| 30 | 7.4 | 7.7 | 7.0 | 6.8 | 6.0 | 6.6 | 5.3 | 6.2 | 6.2 | 6.7 | 7.9 | 9.8 | 9.9 | 10.9 | 11.3 | 12.2 | 12.2 | 10.1 | 8.0 | 8.1 | 7.6 | 6.9 | 6.2 | 5.8 | 12.2 |
| 31 | 6.4 | 5.6 | 5.7 | 5.1 | 6.1 | 5.7 | 5.0 | 5.2 | 5.3 | 7.3 | 7.7 | 8.1 | 8.3 | 8.5 | 9.3 | 10.0 | 10.0 | 7.1 | 7.7 | 8.6 | 5.3 | 6.3 | 5.6 | 4.5 | 10.0 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Boron

LATITUDE : 35 degrees 01 minutes 00 seconds

MONTH : August

ELEVATION : 2460 feet

LONGITUDE : 117 degrees 39 minutes 00 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 | 7.3 | 6.9 | 4.9 | 2.0 | 1.9 | 2.0 | 1.4 | 4.2 | 4.5 | 4.2 | 3.9 | 4.4 | 5.2 | 6.6 | 9.0 | 10.4 | 12.6 | 12.3 | 8.9 | 10.3 | 9.7 | 8.9 | 7.6 | 7.6 | 12.6 |
| 2 | 7.3 | 7.1 | 6.6 | 5.7 | 6.0 | 4.7 | 5.9 | 5.9 | 5.3 | 4.9 | 5.7 | 5.4 | 7.3 | 7.2 | 9.1 | 12.0 | 13.1 | 13.1 | 11.8 | 10.2 | 8.6 | 8.8 | 9.1 | 7.2 | 13.1 |
| 3 | 7.6 | 8.8 | 7.7 | 7.4 | 6.8 | 6.2 | 7.3 | 7.6 | 6.7 | 8.0 | 8.9 | 10.0 | 11.7 | 12.4 | 14.7 | 13.5 | 13.8 | 14.1 | 12.2 | 12.4 | 8.8 | 8.5 | 8.5 | 8.1 | 14.7 |
| 4 | 7.9 | 4.7 | 3.5 | 5.8 | 4.9 | 4.4 | 3.4 | 2.9 | 5.7 | 8.3 | 8.4 | 9.8 | 9.7 | 9.1 | 10.1 | 12.3 | 13.1 | 13.7 | 12.0 | 11.4 | 9.5 | 9.1 | 8.5 | 8.3 | 13.7 |
| 5 | 9.7 | 9.0 | 8.3 | 7.6 | 8.0 | 4.4 | 7.9 | 8.7 | 10.1 | 9.9 | 9.1 | 9.0 | 9.2 | 10.9 | 12.5 | 12.5 | 11.4 | 12.7 | 11.1 | 7.9 | 7.9 | 7.9 | 7.6 | 9.1 | 12.7 |
| 6 | 7.7 | 5.8 | 4.9 | 4.0 | 4.4 | 4.6 | 6.8 | 6.1 | 7.6 | 8.5 | 7.8 | 8.5 | 9.9 | 11.7 | 12.0 | 13.5 | 12.4 | 11.9 | 10.9 | 8.2 | 8.0 | 6.8 | 5.5 | 4.4 | 13.5 |
| 7 | 1.8 | 2.2 | 2.2 | 1.5 | 1.3 | 1.1 | 1.7 | 3.3 | 5.7 | 5.9 | 7.7 | 9.6 | 10.9 | 12.3 | 12.0 | 12.4 | 11.8 | 11.3 | 9.8 | 6.8 | 5.9 | 5.3 | 5.3 | 4.2 | 12.4 |
| 8 | 3.2 | 3.9 | 3.3 | 2.0 | 2.3 | 2.2 | 1.7 | 3.4 | 3.1 | 4.9 | 6.3 | 6.8 | 7.0 | 8.8 | 10.6 | 11.5 | 11.2 | 11.5 | 11.0 | 7.7 | 6.9 | 8.0 | 7.8 | 3.7 | 11.5 |
| 9 | 3.0 | 1.7 | 1.8 | 3.4 | 2.6 | 2.2 | 1.5 | 4.0 | 5.2 | 5.7 | 6.1 | 7.4 | 11.0 | 11.1 | 11.7 | 13.3 | 14.0 | 13.0 | 10.2 | 9.1 | 8.7 | 7.6 | 4.8 | 4.8 | 14.0 |
| 10 | 4.9 | 3.2 | 2.3 | 2.7 | 5.7 | 5.0 | 2.5 | 2.9 | 5.4 | 7.6 | 8.1 | 8.6 | 10.1 | 10.9 | 13.6 | 12.4 | 13.0 | 11.9 | 9.4 | 6.2 | 6.4 | 5.1 | 6.8 | 5.2 | 13.6 |
| 11 | 3.6 | 3.9 | 1.8 | 2.8 | 2.3 | 2.2 | 2.1 | 2.0 | 4.2 | 6.1 | 7.0 | 9.1 | 11.6 | 13.9 | 12.4 | 14.3 | 12.4 | 11.3 | 8.9 | 6.3 | 6.6 | 7.3 | 6.4 | 5.2 | 14.3 |
| 12 | 3.3 | 4.7 | 2.5 | 2.4 | 2.5 | 2.7 | 2.3 | 2.3 | 3.0 | 3.6 | 3.7 | 6.8 | 8.7 | 8.1 | 10.9 | 12.7 | 13.8 | 12.8 | 10.8 | 8.8 | 9.1 | 6.1 | 7.3 | 6.5 | 13.8 |
| 13 | 7.3 | 4.7 | 5.0 | 4.1 | 5.6 | 3.1 | 3.7 | 3.7 | 4.4 | 5.0 | 8.1 | 8.5 | 9.7 | 11.3 | 12.0 | 12.4 | 12.2 | 13.3 | 12.3 | 11.5 | 9.3 | 9.2 | 9.3 | 7.7 | 13.3 |
| 14 | 7.8 | 7.7 | 6.9 | 6.4 | 3.9 | 3.2 | 2.9 | 3.5 | 4.6 | 7.4 | 7.7 | 8.5 | 8.7 | 10.3 | 10.0 | 11.2 | 11.9 | 12.7 | 10.3 | 10.2 | 9.2 | 9.9 | 8.9 | 7.6 | 12.7 |
| 15 | 6.8 | 8.0 | 7.6 | 7.9 | 7.1 | 5.9 | 4.5 | 3.6 | 4.2 | 6.2 | 7.1 | 8.4 | 8.7 | 16.3 | 11.0 | 10.7 | 11.8 | 12.0 | 12.2 | 11.1 | 10.9 | 7.9 | 9.1 | 9.5 | 16.3 |
| 16 | 10.2 | 9.3 | 8.2 | 6.2 | 6.0 | 6.5 | 6.2 | 7.3 | 11.3 | 11.0 | 10.9 | 11.5 | 13.6 | 12.0 | 15.4 | 14.2 | 14.4 | 14.1 | 12.9 | 11.3 | 10.8 | 10.9 | 10.4 | 9.8 | 15.4 |
| 17 | 10.9 | 8.7 | 10.5 | 10.4 | 10.2 | 8.6 | 9.2 | 10.6 | 13.5 | 13.3 | 10.0 | 11.1 | 12.4 | 13.3 | 12.7 | 12.9 | 13.5 | 13.4 | 12.0 | 10.3 | 10.1 | 11.8 | 10.2 | 10.2 | 13.5 |
| 18 | 10.4 | 10.7 | 10.2 | 9.5 | 7.2 | 5.3 | 3.5 | 5.0 | 3.7 | 4.4 | 3.5 | 5.6 | 6.6 | 7.3 | 6.6 | 5.8 | 4.0 | 3.2 | 2.2 | 8.9 | 7.9 | 6.4 | 5.5 | 2.4 | 10.7 |
| 19 | 2.3 | 4.1 | 2.5 | 2.0 | 2.3 | 1.7 | 1.5 | 1.5 | 2.5 | 3.1 | 2.4 | 6.8 | 7.9 | 8.0 | 10.3 | 8.9 | 7.6 | 9.1 | 8.0 | 5.6 | 5.5 | 4.2 | 4.3 | 4.0 | 10.3 |
| 20 | 2.7 | 3.2 | 3.0 | 3.8 | 4.4 | 2.5 | 1.7 | 6.2 | 7.3 | 8.3 | 9.8 | 9.9 | 9.1 | 9.9 | 11.3 | 13.1 | 12.4 | 9.3 | 6.8 | 5.2 | 2.1 | 2.1 | 3.1 | 3.1 | 13.1 |
| 21 | 1.9 | 2.1 | 2.3 | 1.6 | 2.9 | 1.4 | 2.0 | 2.7 | 2.1 | 5.2 | 5.4 | 7.3 | 5.3 | 8.8 | 8.0 | 9.0 | 12.0 | 4.9 | 2.7 | 3.4 | 3.5 | 2.2 | 2.5 | 3.6 | 12.0 |
| 22 | 3.3 | 2.4 | 2.3 | 2.6 | 1.0 | 1.6 | 2.8 | 2.9 | 3.4 | 3.5 | 4.4 | 6.4 | 5.8 | 6.9 | 4.7 | 8.1 | 7.9 | 8.2 | 10.5 | 8.8 | 7.9 | 7.2 | 6.8 | 7.2 | 10.5 |
| 23 | 7.3 | 5.9 | 5.1 | 2.5 | 1.2 | 1.5 | 3.3 | 5.8 | 7.3 | 6.4 | 4.7 | 7.3 | 9.0 | 12.0 | 12.2 | 14.1 | 12.9 | 12.6 | 11.6 | 8.5 | 8.6 | 9.0 | 9.8 | 8.3 | 14.1 |
| 24 | 7.1 | 3.4 | 3.9 | 1.9 | 2.6 | 2.2 | 1.9 | 1.6 | 2.6 | 4.4 | 4.3 | 6.3 | 7.6 | 9.8 | 11.1 | 12.4 | 13.0 | 11.8 | 9.9 | 6.3 | 7.3 | 6.6 | 6.7 | 6.0 | 13.0 |
| 25 | 6.1 | 7.3 | 6.0 | 4.2 | 2.8 | 5.0 | 2.6 | 5.5 | 5.6 | 5.0 | 9.0 | 9.1 | 11.2 | 13.5 | 13.7 | 15.1 | 13.2 | 11.3 | 8.8 | 7.3 | 7.3 | 7.3 | 8.7 | 8.2 | 15.1 |
| 26 | 7.6 | 7.2 | 6.0 | 5.8 | 5.6 | 3.5 | 2.2 | 5.2 | 5.6 | 5.4 | 8.8 | 8.7 | 11.6 | 12.9 | 13.4 | 13.8 | 12.7 | 12.7 | 8.6 | 6.0 | 7.0 | 6.2 | 6.2 | 5.8 | 13.8 |
| 27 | 5.0 | 5.1 | 5.2 | 4.2 | 2.5 | 2.0 | 1.7 | 3.6 | 3.5 | 6.6 | 9.1 | 9.5 | 11.5 | 11.8 | 11.1 | 12.8 | 11.2 | 10.1 | 9.9 | 6.4 | 6.6 | 5.1 | 5.8 | 5.4 | 12.8 |
| 28 | 4.4 | 2.4 | 1.9 | 1.9 | 1.6 | 1.8 | 1.6 | 2.5 | 3.2 | 7.7 | 7.9 | 8.4 | 9.9 | 9.6 | 11.1 | 11.3 | 9.9 | 10.1 | 6.9 | 4.8 | 5.6 | 4.9 | 4.6 | 4.2 | 11.3 |
| 29 | 4.0 | 2.2 | 3.4 | 3.2 | 2.0 | 1.8 | 1.6 | 3.8 | 4.5 | 5.0 | 6.6 | 7.1 | 7.6 | 8.7 | 10.0 | 10.3 | 10.3 | 10.6 | 7.9 | 6.6 | 5.1 | 5.1 | 2.7 | 3.1 | 10.6 |
| 30 | 3.3 | 3.1 | 3.1 | 2.6 | 1.5 | 1.7 | 2.3 | 2.2 | 6.6 | 6.7 | 7.1 | 7.7 | 7.9 | 8.3 | 9.4 | 8.2 | 8.7 | 9.7 | 9.6 | 6.6 | 6.5 | 8.1 | 7.2 | 3.7 | 9.7 |
| 31 | 6.0 | 2.8 | 1.8 | 1.6 | 2.0 | 1.8 | 2.5 | 1.2 | 2.5 | 3.5 | 4.8 | 7.3 | 8.9 | 10.8 | 10.7 | 9.7 | 9.6 | 9.5 | 8.9 | 8.5 | 6.4 | 6.7 | 5.9 | 3.1 | 10.8 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Catalina Airport

ELEVATION : 1602 feet

PARAMETER : Peak Wind Gust (meters per second)

LATITUDE : 33 degrees 24 minutes 00 seconds

LONGITUDE : 118 degrees 24 minutes 30 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 2.0 | 2.6 | 2.7 | 1.8 | 1.9 | 2.3 | 2.5 | 1.8 | 3.1 | 3.2 | 4.1 | 4.1 | 5.0 | 4.9 | 4.9 | 5.3 | 5.1 | 4.9 | 5.3 | 4.5 | 5.1 | 4.4 | 5.4 | 4.9 | 5.4 |
| 2 | 4.5 | 4.2 | 3.8 | 2.7 | 3.0 | 2.0 | 2.5 | 3.5 | 3.4 | 4.0 | [SC] | 4.9 | 6.5 | 6.2 | 5.6 | 6.0 | 8.9 | 7.3 | 7.7 | 7.2 | 6.4 | 4.4 | 3.4 | 3.5 | |
| 3 | 3.9 | 3.4 | 2.4 | 1.8 | 1.5 | 1.6 | 2.0 | 4.0 | 2.5 | 3.0 | 2.5 | 3.0 | 2.8 | 3.0 | 3.6 | 3.7 | 4.5 | 4.7 | 4.5 | 3.5 | 2.0 | 1.7 | 2.3 | 4.4 | 4.7 |
| 4 | 2.9 | 2.8 | 2.4 | 3.3 | 2.4 | 3.5 | 2.8 | 2.4 | 2.6 | 3.5 | 3.3 | 3.4 | 4.0 | 3.5 | 3.5 | 4.4 | 4.7 | 4.5 | 4.2 | 3.4 | 4.1 | 3.5 | 2.3 | 1.9 | 4.7 |
| 5 | 1.8 | 2.3 | 2.5 | 2.6 | 1.9 | 2.0 | 1.9 | 2.4 | 2.1 | 3.7 | 2.9 | 4.1 | 4.2 | 4.7 | 4.5 | 4.8 | 4.6 | 5.5 | 5.3 | 6.0 | 6.9 | 6.2 | 5.9 | 6.8 | 6.9 |
| 6 | 6.1 | 5.4 | 5.3 | 5.0 | 4.8 | 5.3 | 3.9 | 3.1 | 3.1 | 3.3 | 4.2 | 4.3 | 4.9 | 5.4 | 4.5 | 4.2 | 5.8 | 4.3 | 6.9 | 6.8 | 7.4 | 7.6 | 7.3 | 7.1 | 7.6 |
| 7 | 7.9 | 7.9 | 7.8 | 7.9 | 6.8 | 6.4 | 4.7 | 3.2 | 3.7 | 3.9 | 5.6 | [SC] | [SC] | 7.1 | 7.0 | 5.7 | 7.0 | 6.0 | 7.2 | 8.1 | 8.5 | 6.4 | 4.9 | 4.5 | |
| 8 | 5.9 | 6.1 | 4.0 | 3.9 | 5.1 | 3.2 | 2.9 | 3.4 | 3.4 | 4.1 | 3.3 | 3.6 | 3.9 | 4.4 | 4.7 | 5.2 | 5.8 | 6.4 | 5.1 | 4.6 | 4.5 | 2.6 | 1.6 | 1.3 | 6.4 |
| 9 | 1.5 | 1.5 | 2.2 | 3.1 | 3.0 | 3.3 | 2.6 | 4.1 | 4.2 | 4.2 | 4.0 | 4.0 | 4.7 | 4.7 | 5.3 | 4.7 | 6.4 | 8.5 | 7.4 | 7.3 | 7.2 | 5.2 | 4.7 | 4.6 | 8.5 |
| 10 | 3.3 | 2.5 | 2.1 | 2.2 | 2.3 | 2.8 | 2.9 | 2.6 | 2.6 | 3.4 | 3.8 | 4.7 | 4.2 | 4.0 | 4.1 | 4.3 | 3.9 | 3.5 | 3.8 | 3.7 | 3.8 | 3.9 | 4.0 | 2.9 | 4.7 |
| 11 | 2.5 | 2.5 | 2.5 | 2.2 | 3.0 | 2.1 | 2.9 | 3.6 | 3.5 | 3.2 | 3.7 | 3.8 | 4.1 | 4.7 | 5.0 | 6.0 | 6.9 | 6.8 | 6.0 | 7.0 | 6.8 | 8.0 | 6.9 | 6.0 | 8.0 |
| 12 | 5.6 | 4.7 | 3.6 | 3.3 | 3.0 | 2.5 | 2.8 | 2.5 | 2.8 | 3.5 | 3.1 | 3.4 | 3.8 | 5.4 | 4.5 | 4.6 | 4.3 | 4.9 | 5.5 | 5.8 | 5.9 | 4.3 | 3.7 | 3.4 | 5.9 |
| 13 | 3.0 | 2.5 | 2.6 | 2.8 | 2.5 | 2.2 | 1.6 | 2.0 | 2.7 | 2.9 | 3.1 | 3.8 | 4.6 | 5.2 | 6.1 | 6.4 | 6.8 | 6.5 | 6.6 | 5.4 | 4.8 | 3.9 | 2.5 | 2.0 | 6.8 |
| 14 | 1.2 | 2.8 | 3.1 | 3.0 | 2.5 | 3.4 | 3.6 | 4.3 | 3.1 | 3.7 | 4.0 | 3.9 | 4.3 | 3.6 | 3.9 | 4.2 | 3.8 | 3.9 | 3.6 | 3.1 | 2.5 | 2.5 | 2.3 | 3.4 | 4.3 |
| 15 | 3.5 | 2.9 | 5.5 | 4.8 | 2.4 | 4.0 | 3.8 | 3.4 | 3.4 | 4.7 | 4.2 | 4.0 | 4.7 | 5.3 | 5.4 | 6.0 | 4.4 | 3.6 | 2.2 | 2.5 | 2.2 | 3.3 | 2.9 | 3.1 | 6.0 |
| 16 | 3.1 | 3.7 | 2.8 | 2.6 | 2.5 | 2.1 | 2.1 | 1.9 | 4.1 | 5.1 | 4.5 | 4.4 | 5.8 | 7.4 | 8.3 | 8.6 | 7.3 | 8.4 | 6.8 | 5.0 | 4.7 | 2.8 | 3.4 | 5.0 | 8.6 |
| 17 | 4.9 | 5.3 | 2.9 | 4.8 | 3.8 | 3.0 | 3.5 | 3.3 | 3.0 | 3.9 | 4.1 | 3.8 | 4.3 | 5.4 | 5.8 | 5.8 | 6.0 | 6.5 | 7.1 | 8.2 | 6.4 | 3.9 | 2.8 | 5.1 | 8.2 |
| 18 | 5.2 | 4.7 | 5.4 | 5.9 | 6.3 | 4.1 | 2.7 | 2.6 | 2.6 | 3.3 | 4.4 | 4.5 | 4.7 | 6.1 | 6.2 | 4.9 | 5.2 | 4.7 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 4.1 | 6.3 |
| 19 | 4.3 | 3.3 | 2.6 | 2.5 | 2.1 | 2.5 | 3.8 | 1.9 | 4.2 | 3.1 | 3.7 | 4.4 | 4.3 | 4.5 | 4.6 | 3.9 | 3.2 | 2.7 | 2.1 | 3.4 | 3.2 | 3.8 | 4.4 | 4.2 | 4.6 |
| 20 | 4.1 | 3.0 | 3.4 | 2.5 | 3.4 | 2.6 | 2.2 | 2.5 | 3.4 | 3.4 | 5.5 | 5.8 | 5.6 | 5.5 | 4.9 | 5.3 | 5.8 | 4.2 | 3.8 | 4.2 | 5.4 | 3.7 | 4.1 | 2.8 | 5.8 |
| 21 | 2.7 | 3.0 | 2.2 | 2.2 | 2.5 | 2.5 | 3.1 | 2.5 | 3.0 | 3.5 | 5.5 | 5.6 | 4.9 | 5.3 | 5.2 | 5.6 | 5.0 | 5.0 | 4.7 | 4.5 | 3.6 | 2.2 | 1.9 | 1.9 | 5.6 |
| 22 | 2.6 | 3.0 | 3.6 | 3.3 | 3.9 | 3.1 | 3.7 | 3.1 | 3.6 | 2.6 | 4.1 | 4.0 | 4.8 | 6.7 | 7.0 | 6.3 | 7.1 | 6.9 | 7.0 | 6.6 | 4.5 | 3.9 | 2.5 | 2.3 | 7.1 |
| 23 | 2.0 | 3.0 | 3.2 | 2.2 | 2.5 | 2.5 | 2.4 | 2.4 | 2.9 | 3.8 | 4.1 | 3.7 | 4.3 | 4.2 | 5.0 | 4.0 | 3.3 | 4.2 | 3.7 | 5.8 | 4.8 | 3.6 | 1.8 | 1.9 | 5.8 |
| 24 | 2.4 | 2.6 | 3.0 | 3.8 | 4.5 | 3.4 | 3.4 | 3.0 | 4.1 | 4.4 | 4.4 | 4.1 | 4.3 | 5.6 | 5.7 | 3.7 | 4.6 | 4.3 | 3.1 | 4.3 | 4.5 | 3.3 | 2.9 | 3.2 | 5.7 |
| 25 | 3.9 | 4.4 | 3.7 | 3.4 | 3.1 | 4.0 | 4.1 | 4.4 | 3.0 | 3.3 | 3.4 | 4.1 | 4.1 | 4.7 | 4.4 | 4.2 | 4.8 | 4.9 | 5.6 | 5.9 | 5.8 | 5.0 | 4.3 | 3.4 | 5.9 |
| 26 | 2.5 | 2.2 | 2.0 | 0.7 | 1.4 | 2.0 | 2.3 | 2.8 | 3.0 | 4.8 | 5.3 | 4.4 | 4.3 | 5.2 | 4.8 | 4.9 | 4.8 | 5.2 | 5.6 | 5.8 | 5.9 | 4.9 | 3.7 | 3.8 | 5.9 |
| 27 | 3.0 | 2.2 | 1.8 | 1.8 | 1.9 | 1.5 | 1.2 | 2.0 | 2.5 | 3.2 | 3.8 | 4.1 | 4.3 | 5.0 | 4.5 | 4.6 | 4.4 | 5.8 | 5.8 | 6.2 | 5.7 | 3.9 | 4.5 | 2.6 | 6.2 |
| 28 | 2.7 | 2.1 | 2.5 | 2.4 | 2.0 | 2.7 | 2.4 | 1.9 | 2.4 | 3.5 | 3.7 | 4.2 | 4.4 | 5.1 | 5.8 | 5.7 | 5.7 | 6.5 | 7.1 | 6.7 | 8.2 | 7.8 | 7.4 | 6.0 | 8.2 |
| 29 | 5.5 | 5.6 | 4.3 | 3.7 | 3.7 | 3.9 | 3.0 | 2.6 | 2.6 | 3.3 | 4.2 | 5.2 | 7.3 | 7.3 | 5.3 | 5.7 | 6.3 | 6.0 | 6.7 | 8.1 | 6.0 | 6.6 | 6.7 | 7.2 | 8.1 |
| 30 | 6.4 | 5.3 | 4.9 | 4.1 | 3.7 | 3.1 | 1.8 | 2.7 | 2.6 | 2.6 | 3.7 | 4.1 | 4.0 | 4.9 | 6.3 | 5.7 | 6.2 | 7.0 | 7.7 | 9.0 | 9.0 | 6.1 | 5.5 | 4.9 | 9.0 |
| 31 | 5.1 | 3.9 | 3.8 | 4.4 | 4.7 | 5.0 | 5.5 | 4.4 | 4.8 | 4.1 | 3.6 | 3.6 | 4.9 | 5.6 | 5.7 | 7.1 | 7.3 | 8.1 | 9.0 | 8.3 | 10.1 | 8.5 | 10.3 | 10.6 | 10.6 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Flash II Mountain

LATITUDE : 34 degrees 58 minutes 15 seconds

MONTH : August

ELEVATION : 3325 feet

LONGITUDE : 117 degrees 02 minutes 22 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 | 9.9 | 8.1 | 7.6 | 6.0 | 6.3 | 6.9 | 7.3 | 6.1 | 6.3 | 5.6 | 5.4 | 6.0 | 6.9 | 9.5 | 10.0 | 8.9 | 8.9 | 12.0 | 17.4 | 15.2 | 12.1 | 10.6 | 11.9 | 9.8 | 17.4 |
| 2 | 9.5 | 9.8 | 9.3 | 9.6 | 10.7 | 7.9 | 7.7 | 6.2 | 7.3 | 6.8 | 8.1 | 7.4 | 7.9 | 10.2 | 12.4 | 13.3 | 15.9 | 15.0 | 14.4 | 14.0 | 13.7 | 11.7 | 11.1 | 10.9 | 15.9 |
| 3 | 10.4 | 11.1 | 11.1 | 9.0 | 10.2 | 8.3 | 7.5 | 7.9 | 8.5 | 7.6 | 8.9 | 14.4 | 14.0 | 12.3 | 13.7 | 15.0 | 15.0 | 14.4 | 14.1 | 11.8 | 11.9 | 11.1 | 11.0 | 9.7 | 15.0 |
| 4 | 11.1 | 9.7 | 10.3 | 11.1 | 8.1 | 5.9 | 7.0 | 7.5 | 6.6 | 7.1 | 8.3 | 10.6 | 11.3 | 11.5 | 10.7 | 11.9 | 11.1 | 15.0 | 16.1 | 14.0 | 12.4 | 10.8 | 11.6 | 12.8 | 16.1 |
| 5 | 11.1 | 10.5 | 10.1 | 9.6 | 10.1 | 9.9 | 8.1 | 8.7 | 7.6 | 8.8 | 12.2 | 12.8 | 13.9 | 14.2 | 16.2 | 17.6 | 16.1 | 15.1 | 16.0 | 13.2 | 11.1 | 11.9 | 13.3 | 11.9 | 17.6 |
| 6 | 12.3 | 9.7 | 9.1 | 9.8 | 9.2 | 9.0 | 10.3 | 9.1 | 8.7 | 6.7 | 8.9 | 8.9 | 12.3 | 14.7 | 15.8 | 15.7 | 16.0 | 15.6 | 13.9 | 12.1 | 10.8 | 8.1 | 6.5 | 9.1 | 16.0 |
| 7 | 6.6 | 6.0 | 6.0 | 5.9 | 6.8 | 6.3 | 6.5 | 6.0 | 5.5 | 7.5 | 8.4 | 12.3 | 12.9 | 13.7 | 16.7 | 16.4 | 16.8 | 16.6 | 15.1 | 11.9 | 10.7 | 8.8 | 8.5 | 7.9 | 16.8 |
| 8 | 7.8 | 7.6 | 7.4 | 6.2 | 6.6 | 5.2 | 4.8 | 5.9 | 6.4 | 5.6 | 6.2 | 7.1 | 6.4 | 8.6 | 6.8 | 8.6 | 7.4 | 11.6 | 11.5 | 7.9 | 7.2 | 7.9 | 8.8 | 8.5 | 11.6 |
| 9 | 8.1 | 7.5 | 6.3 | 5.5 | 6.1 | 5.8 | 6.0 | 5.6 | 6.1 | 5.8 | 5.8 | 7.3 | 7.5 | 10.5 | 12.6 | 13.1 | 14.8 | 15.1 | 13.9 | 12.5 | 10.3 | 8.1 | 8.3 | 6.6 | 15.1 |
| 10 | 7.7 | 6.2 | 6.6 | 7.0 | 6.8 | 6.4 | 5.8 | 5.8 | 9.6 | 8.4 | 9.3 | 11.1 | 10.4 | 11.5 | 16.6 | 15.2 | 15.0 | 15.0 | 11.9 | 8.6 | 9.8 | 9.7 | 10.8 | 8.1 | 16.6 |
| 11 | 7.0 | 6.1 | 5.9 | 5.7 | 6.1 | 4.8 | 4.9 | 4.3 | 5.0 | 4.8 | 4.8 | 6.4 | 8.2 | 10.7 | 12.8 | 12.5 | 12.9 | 14.5 | 12.6 | 11.9 | 10.1 | 5.1 | 6.1 | 7.3 | 14.5 |
| 12 | 7.1 | 7.6 | 6.5 | 5.1 | 2.1 | 2.4 | 3.5 | 5.0 | 6.9 | 6.8 | 6.4 | 8.6 | 8.1 | 7.2 | 10.2 | 8.5 | 13.6 | 14.0 | 11.9 | 11.3 | 7.2 | 9.7 | 7.4 | 9.2 | 14.0 |
| 13 | 9.4 | 8.1 | 10.6 | 7.2 | 5.9 | 6.3 | 6.0 | 5.7 | 7.2 | 6.0 | 7.5 | 7.5 | 8.8 | 7.4 | 11.9 | 12.4 | 12.5 | 13.9 | 13.7 | 12.0 | 13.5 | 11.9 | 13.8 | 11.9 | 13.9 |
| 14 | 10.2 | 9.6 | 10.6 | 10.9 | 8.9 | 9.5 | 8.7 | 8.4 | 7.5 | 7.1 | 8.1 | 8.6 | 11.3 | 13.8 | 12.6 | 12.4 | 13.2 | 14.4 | 12.3 | 12.7 | 9.2 | 11.5 | 11.4 | 11.0 | 14.4 |
| 15 | 9.6 | 9.9 | 8.7 | 7.5 | 7.1 | 4.8 | 6.2 | 4.4 | 4.7 | 4.3 | 6.2 | 8.1 | 7.4 | 9.4 | 10.5 | 12.2 | 12.6 | 12.1 | 13.0 | 14.9 | 11.8 | 11.5 | 12.4 | 12.3 | 14.9 |
| 16 | 12.9 | 12.8 | 11.3 | 9.3 | 11.3 | 9.7 | 8.1 | 6.0 | 7.9 | 8.1 | 12.1 | 14.8 | 14.7 | 15.8 | 16.9 | 16.8 | 18.1 | 17.3 | 15.3 | 16.0 | 16.0 | 16.6 | 14.3 | 14.2 | 18.1 |
| 17 | 15.3 | 15.2 | 11.4 | 12.5 | 12.1 | 11.9 | 10.4 | 11.3 | 15.0 | 16.2 | 15.6 | 15.8 | 16.8 | 17.5 | 17.6 | 17.9 | 19.2 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | |
| 18 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | |
| 19 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | 6.7 | 8.3 | 5.9 | 8.1 | 7.8 | 8.1 | 10.2 | 7.5 | 6.3 | 4.8 | |
| 20 | 5.2 | 5.5 | 6.7 | 9.1 | 8.5 | 8.7 | 10.1 | 11.5 | 12.3 | 14.2 | 14.0 | 14.5 | 14.1 | 14.0 | 12.9 | 11.1 | 9.4 | 8.3 | 5.2 | 3.8 | 5.2 | 5.5 | 5.1 | 5.5 | 14.5 |
| 21 | 3.5 | 3.4 | 3.8 | 4.0 | 4.4 | 4.8 | 7.1 | 7.9 | 8.4 | 8.3 | 8.6 | 10.3 | 9.7 | 10.1 | 7.9 | 15.7 | 9.8 | 3.6 | 5.3 | 7.6 | 4.6 | 6.3 | 6.0 | 4.8 | 15.7 |
| 22 | 3.1 | 4.3 | 5.3 | 4.9 | 4.8 | 3.9 | 4.0 | 3.1 | 3.4 | 4.7 | 7.9 | 7.7 | 7.8 | 7.7 | 6.4 | 11.4 | 4.6 | 3.5 | 3.1 | 11.0 | 10.4 | 10.5 | 10.5 | 8.8 | 11.4 |
| 23 | 8.6 | 8.3 | 7.4 | 7.4 | 6.6 | 5.5 | 5.5 | 5.6 | 5.6 | 5.8 | 7.6 | 6.6 | 9.2 | 12.7 | 14.7 | 15.2 | 15.1 | 14.4 | 14.7 | 8.4 | 11.7 | 10.0 | 11.7 | 11.1 | 15.2 |
| 24 | 10.3 | 7.7 | 7.4 | 8.9 | 8.2 | 8.1 | 5.1 | 3.5 | 3.5 | 4.5 | 6.6 | 8.1 | 8.2 | 13.1 | 12.9 | 11.8 | 13.5 | 14.3 | 14.7 | 11.5 | 8.1 | 8.1 | 7.9 | 8.6 | 14.7 |
| 25 | 8.9 | 7.3 | 8.2 | 7.4 | 5.4 | 5.2 | 5.5 | 5.0 | 6.2 | 7.0 | 6.6 | 7.1 | 8.8 | 12.3 | 13.3 | 12.7 | 13.7 | 12.4 | 11.5 | 10.0 | 9.7 | 11.4 | 10.1 | 9.9 | 13.7 |
| 26 | 10.1 | 10.2 | 10.5 | 9.5 | 10.5 | 7.9 | 6.2 | 5.5 | 4.8 | 4.8 | 5.8 | 9.3 | 9.2 | 15.6 | 16.2 | 16.5 | 15.9 | 16.7 | 12.8 | 13.3 | 9.4 | 8.9 | 7.3 | 7.0 | 16.7 |
| 27 | 7.7 | 7.8 | 6.9 | 7.9 | 6.3 | 6.4 | 6.2 | 5.5 | 6.4 | 5.2 | 5.0 | 7.7 | 8.8 | 12.9 | 12.3 | 10.9 | 14.5 | 14.9 | 11.6 | 13.1 | 10.7 | 10.1 | 5.3 | 5.5 | 14.9 |
| 28 | 5.1 | 5.5 | 6.1 | 5.4 | 5.4 | 5.2 | 4.8 | 3.4 | 6.6 | 5.4 | 6.7 | 7.9 | 8.9 | 9.5 | 9.0 | 12.3 | 13.6 | 12.5 | 12.1 | 9.5 | 9.5 | 9.5 | 9.0 | 8.4 | 13.6 |
| 29 | 7.2 | 7.7 | 6.6 | 7.2 | 6.7 | 5.8 | 5.9 | 6.7 | 5.3 | 6.3 | 5.9 | 8.4 | 8.9 | 9.5 | 11.6 | 13.2 | 11.1 | 13.2 | 13.2 | 13.0 | 10.5 | 7.5 | 6.5 | 6.2 | 13.2 |
| 30 | 5.6 | 7.4 | 7.9 | 7.2 | 7.2 | 7.7 | 7.7 | 7.9 | 7.4 | 7.4 | 8.1 | 9.6 | 8.1 | 11.6 | 12.1 | 10.2 | 8.7 | 10.1 | 10.1 | 10.5 | 10.1 | 8.7 | 8.1 | 5.8 | 12.1 |
| 31 | 5.3 | 5.3 | 5.4 | 5.4 | 4.9 | 5.3 | 5.2 | 5.1 | 5.8 | 6.0 | 5.3 | 5.2 | 6.6 | 6.7 | 7.9 | 8.1 | 6.7 | 7.9 | 9.2 | 7.9 | 8.5 | 6.3 | 7.3 | 7.0 | 9.2 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Ludlow

ELEVATION : 1782 feet

PARAMETER : Peak Wind Gust (meters per second)

LATITUDE : 34 degrees 42 minutes 36 seconds

LONGITUDE : 116 degrees 09 minutes 15 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 7.2 | 7.2 | 7.8 | 8.8 | 9.4 | 7.4 | 6.5 | 5.8 | 7.7 | 5.6 | 7.9 | 6.2 | 4.8 | 6.8 | 7.2 | 6.1 | 2.6 | 5.8 | 6.9 | 10.6 | 12.2 | 9.6 | 10.2 | 8.1 | 12.2 |
| 2 | 6.6 | 8.5 | 9.0 | 8.9 | 8.3 | 8.1 | 8.5 | 8.7 | 8.5 | 8.7 | 7.5 | 7.4 | 6.8 | 7.8 | 8.2 | 10.2 | 8.3 | 7.5 | 7.9 | 11.5 | 11.1 | 10.0 | 8.2 | 7.4 | 11.5 |
| 3 | 5.3 | 5.3 | 6.2 | 4.4 | 5.1 | 5.3 | 5.2 | 4.4 | 3.9 | 3.9 | 5.2 | 8.7 | 12.0 | 9.1 | 10.5 | 12.2 | 11.8 | 11.3 | 10.0 | 10.4 | 10.2 | 6.9 | 8.1 | 7.5 | 12.2 |
| 4 | 5.9 | 5.7 | 4.7 | 4.8 | 4.8 | 4.9 | 5.1 | 3.2 | 5.3 | 5.1 | 5.9 | 6.9 | 7.9 | 9.4 | 12.0 | 8.8 | 9.4 | 10.8 | 11.1 | 9.6 | 7.1 | 5.2 | 6.4 | 5.1 | 12.0 |
| 5 | 3.9 | 4.2 | 3.9 | 4.0 | 3.7 | 2.9 | 2.4 | 2.9 | 2.9 | 4.3 | 5.2 | 5.7 | 8.3 | 7.4 | 6.6 | 9.4 | 8.1 | 9.5 | 9.5 | 10.4 | 10.4 | 6.9 | 6.2 | 7.0 | 10.4 |
| 6 | 7.2 | 6.6 | 5.0 | 6.0 | 5.8 | 5.9 | 5.5 | 4.6 | 4.0 | 4.5 | 5.7 | 9.2 | 10.4 | 7.9 | 9.7 | 7.0 | 6.7 | 7.6 | 12.3 | 12.1 | 14.2 | 9.5 | 6.4 | 9.2 | 14.2 |
| 7 | 8.2 | 5.2 | 5.7 | 5.8 | 5.5 | 7.8 | 7.2 | 4.9 | 4.8 | 6.7 | 5.6 | 6.1 | 6.0 | 6.7 | 5.4 | 3.7 | 7.6 | 7.9 | 9.9 | 12.1 | 12.6 | 13.1 | 11.5 | 7.1 | 13.1 |
| 8 | 7.0 | 3.6 | 3.5 | 8.7 | 8.4 | 6.6 | 7.2 | 7.2 | 5.1 | 3.2 | 3.1 | 4.1 | 6.3 | 5.6 | 5.6 | 5.0 | 7.0 | 6.2 | 4.8 | 6.0 | 11.1 | 7.6 | 7.0 | 7.7 | 11.1 |
| 9 | 8.7 | 8.3 | 7.9 | 7.9 | 7.9 | 7.4 | 6.1 | 5.7 | 4.3 | 4.2 | 4.4 | 5.9 | 7.6 | 8.1 | 10.1 | 11.8 | 9.6 | 10.3 | 10.9 | 7.5 | 5.5 | 6.3 | 7.0 | 7.8 | 11.8 |
| 10 | 7.9 | 7.1 | 8.5 | 7.4 | 6.9 | 7.0 | 7.4 | 6.4 | 3.7 | 2.6 | 3.1 | 4.4 | 4.8 | 5.8 | 5.0 | 6.0 | 6.0 | 3.6 | 12.3 | 13.9 | 15.2 | 12.7 | 8.9 | 7.0 | 15.2 |
| 11 | 4.4 | 5.3 | 5.2 | 4.9 | 4.8 | 6.3 | 6.7 | 5.3 | 4.1 | 3.7 | 4.7 | 6.6 | 7.9 | 11.1 | 11.5 | 11.1 | 12.2 | 9.3 | 11.5 | 7.9 | 4.8 | 5.5 | 5.0 | 4.6 | 12.2 |
| 12 | 5.0 | 4.9 | 4.2 | 5.9 | 9.5 | 11.1 | 11.9 | 11.0 | 10.8 | 13.9 | 11.9 | 13.0 | 13.9 | 12.3 | 20.0 | 18.8 | 16.6 | 6.7 | 5.0 | 3.6 | 3.7 | 3.2 | 2.4 | 2.6 | 20.0 |
| 13 | 4.4 | 5.2 | 5.3 | 5.8 | 6.3 | 6.4 | 6.6 | 5.0 | 4.1 | 5.1 | 5.8 | 6.1 | 6.0 | 6.8 | 6.5 | 7.0 | 7.9 | 5.8 | 6.1 | 13.2 | 14.5 | 13.2 | 11.7 | 7.3 | 14.5 |
| 14 | 7.1 | 4.3 | 3.5 | 3.8 | 4.7 | 5.1 | 5.8 | 5.7 | 4.2 | 4.5 | 5.3 | 5.3 | 8.2 | 7.4 | 5.3 | 7.8 | 7.2 | 4.6 | 4.1 | 7.4 | 9.5 | 9.7 | 6.9 | 6.5 | 9.7 |
| 15 | 7.2 | 5.7 | 4.0 | 5.9 | 7.8 | 9.8 | 9.5 | 8.4 | 9.2 | 13.8 | 11.1 | 10.7 | 11.5 | 11.8 | 11.1 | 11.6 | 11.0 | 11.0 | 9.3 | 7.2 | 7.6 | 5.2 | 5.2 | 6.8 | 13.8 |
| 16 | 4.4 | 5.1 | 4.8 | 4.4 | 4.9 | 4.6 | 2.2 | 6.3 | 8.5 | 9.4 | 9.9 | 9.6 | 10.2 | 10.5 | 7.3 | 8.9 | 10.3 | 10.5 | 11.1 | 11.5 | 11.1 | 7.9 | 7.1 | 6.6 | 11.5 |
| 17 | 5.8 | 5.4 | 6.8 | 4.8 | 5.3 | 4.9 | 5.8 | 7.5 | 5.6 | 4.8 | 7.0 | 8.2 | 7.8 | 8.3 | 8.1 | 7.8 | 6.2 | 12.5 | 12.4 | 13.4 | 12.8 | 8.1 | 4.9 | 5.4 | 13.4 |
| 18 | 5.4 | 2.6 | 4.1 | 2.5 | 6.1 | 9.2 | 8.1 | 8.8 | 7.3 | 8.3 | 9.3 | 7.6 | 7.1 | 5.6 | 5.2 | 6.2 | 4.7 | 3.6 | 2.2 | 3.0 | 2.4 | 2.2 | 3.7 | 7.2 | 9.3 |
| 19 | 7.6 | 8.1 | 7.6 | 7.5 | 6.8 | 7.9 | 8.4 | 7.2 | 6.4 | 3.4 | 4.4 | 7.9 | 7.4 | 8.1 | 8.7 | 9.9 | 10.1 | 10.6 | 9.3 | 6.1 | 6.6 | 6.6 | 8.3 | 10.8 | 10.8 |
| 20 | 13.0 | 14.2 | 14.9 | 13.4 | 12.8 | 11.1 | 13.0 | 11.9 | 11.5 | 10.6 | 8.1 | 8.6 | 8.4 | 9.3 | 8.6 | 8.7 | 8.4 | 5.5 | 4.4 | 5.7 | 5.4 | 3.5 | 2.8 | 1.6 | 14.9 |
| 21 | 1.3 | 1.9 | 2.3 | 2.3 | 12.7 | 11.3 | 5.7 | 3.7 | 5.9 | 7.5 | 7.1 | 7.8 | 9.0 | 9.5 | 11.9 | 7.9 | 5.4 | 4.5 | 2.9 | 2.5 | 5.3 | 7.3 | 6.4 | 5.3 | 12.7 |
| 22 | 5.7 | 5.5 | 6.5 | 5.9 | 6.9 | 5.3 | 6.1 | 6.0 | 3.9 | 4.0 | 8.1 | 7.9 | 8.4 | 11.1 | 7.3 | 7.0 | 8.5 | 6.1 | 5.8 | 4.7 | 4.0 | 6.0 | 8.4 | 9.4 | 11.1 |
| 23 | 8.1 | 7.1 | 6.2 | 7.5 | 7.2 | 5.5 | 5.8 | 6.2 | 4.7 | 3.8 | 7.6 | 8.9 | 8.9 | 12.4 | 9.9 | 8.7 | 9.6 | 13.3 | 10.6 | 10.8 | 7.0 | 6.9 | 3.4 | 3.5 | 13.3 |
| 24 | 2.1 | 1.6 | 3.0 | 2.8 | 5.0 | 4.7 | 4.1 | 4.3 | 3.5 | 7.5 | 6.9 | 7.6 | 8.7 | 10.3 | 10.2 | 8.8 | 8.7 | 7.9 | 8.2 | 7.9 | 6.9 | 4.5 | 4.4 | 5.3 | 10.3 |
| 25 | 5.2 | 5.0 | 5.4 | 5.7 | 7.1 | 6.8 | 6.7 | 6.0 | 6.2 | 4.5 | 4.0 | 5.4 | 7.2 | 5.6 | 8.1 | 11.5 | 8.7 | 9.4 | 8.8 | 7.5 | 6.1 | 4.3 | 4.8 | 3.3 | 11.5 |
| 26 | 3.7 | 5.5 | 7.0 | 7.6 | 7.6 | 7.9 | 8.1 | 7.1 | 4.9 | 4.5 | 5.1 | 4.5 | 4.8 | 6.9 | 7.9 | 5.7 | 4.7 | 9.1 | 8.4 | 8.4 | 4.5 | 4.7 | 4.1 | 4.7 | 9.1 |
| 27 | 2.7 | 4.3 | 5.4 | 5.9 | 7.9 | 6.1 | 7.8 | 6.7 | 5.6 | 4.1 | 5.8 | 5.6 | 5.0 | 5.4 | 7.6 | 5.9 | 11.9 | 12.0 | 11.1 | 7.9 | 8.5 | 6.3 | 5.1 | 4.3 | 12.0 |
| 28 | 2.7 | 3.8 | 4.6 | 4.8 | 5.2 | 5.1 | 6.3 | 5.3 | 4.7 | 4.8 | 5.2 | 7.4 | 6.2 | 6.0 | 5.3 | 5.2 | 7.4 | 6.8 | 7.4 | 7.0 | 7.6 | 7.8 | 6.8 | 8.1 | 8.1 |
| 29 | 5.4 | 5.4 | 6.2 | 8.1 | 7.9 | 7.9 | 6.8 | 7.2 | 7.4 | 5.4 | 6.1 | 4.9 | 6.1 | 6.5 | 9.8 | 6.9 | 7.9 | 7.6 | 4.2 | 8.1 | 11.3 | 11.4 | 7.8 | 7.1 | 11.4 |
| 30 | 6.0 | 6.4 | 7.0 | 6.3 | 6.1 | 5.3 | 7.3 | 6.6 | 3.8 | 4.1 | 4.2 | 5.8 | 4.9 | 6.0 | 6.5 | 6.2 | 4.9 | 6.0 | 7.3 | 6.6 | 6.5 | 10.4 | 11.3 | 8.4 | 11.3 |
| 31 | 9.3 | 7.8 | 7.7 | 5.9 | 5.9 | 6.4 | 6.1 | 6.5 | 5.2 | 4.4 | 4.1 | 4.1 | 5.0 | 6.1 | 7.1 | 6.9 | 3.3 | 3.0 | 2.3 | 6.3 | 10.7 | 12.2 | 11.4 | 8.6 | 12.2 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Palmdale

LATITUDE : 34 degrees 33 minutes 26 seconds

MONTH : August

ELEVATION : 2760 feet

LONGITUDE : 118 degrees 06 minutes 46 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 | 6.6 | 7.8 | 6.8 | 5.6 | 5.3 | 5.9 | 6.4 | 4.0 | 4.0 | 3.6 | 8.3 | 9.6 | 10.9 | 12.0 | 11.7 | 12.9 | 14.5 | 14.2 | 13.7 | 13.0 | 12.5 | 8.3 | 7.6 | 6.1 | 14.5 |
| 2 | 6.8 | 7.7 | 7.7 | 6.3 | 5.8 | 4.8 | 2.5 | 4.6 | 7.6 | 7.1 | 9.6 | 10.9 | 12.0 | 13.4 | 14.3 | 13.9 | 13.8 | 13.4 | 11.7 | 11.0 | 8.7 | 6.0 | 6.6 | 3.8 | 14.3 |
| 3 | 5.7 | 5.9 | 6.2 | 7.3 | 6.0 | 7.3 | 7.6 | 9.4 | 9.4 | 8.3 | 8.8 | 11.6 | 10.7 | 10.8 | 11.6 | 11.2 | 12.0 | 11.5 | 10.6 | 8.3 | 6.1 | 7.0 | 10.4 | 11.8 | 12.0 |
| 4 | 9.5 | 9.3 | 9.1 | 9.1 | 9.3 | 9.2 | 9.1 | 10.2 | 9.3 | 9.4 | 9.4 | 10.5 | 11.2 | 12.3 | 12.8 | 13.5 | 13.5 | 12.7 | 12.7 | 9.5 | 10.9 | 8.2 | 7.6 | 7.8 | 13.5 |
| 5 | 7.6 | 7.3 | 9.1 | 8.0 | 8.2 | 7.7 | 4.5 | 10.2 | 9.7 | 8.8 | 9.5 | 11.1 | 10.9 | 12.3 | 11.3 | 12.0 | 10.7 | 10.7 | 9.6 | 4.4 | 5.5 | 7.0 | 8.6 | 7.1 | 12.3 |
| 6 | 8.1 | 6.0 | 3.4 | 3.5 | 3.2 | 3.5 | 3.6 | 5.2 | 6.1 | 7.3 | 7.8 | 9.3 | 12.0 | 12.4 | 11.3 | 12.3 | 13.7 | 12.4 | 10.7 | 5.4 | 6.2 | 5.7 | 4.3 | 2.8 | 13.7 |
| 7 | 4.5 | 4.7 | 4.4 | 4.2 | 3.5 | 4.1 | 3.4 | 3.3 | 9.7 | 9.6 | 10.3 | 11.6 | 11.0 | 11.5 | 11.4 | 11.7 | 12.2 | 11.9 | 9.6 | 5.2 | 4.1 | 4.0 | 2.6 | 2.0 | 12.2 |
| 8 | 2.8 | 3.2 | 4.0 | 2.8 | 3.6 | 3.5 | 3.4 | 3.0 | 2.7 | 3.4 | 8.2 | 9.7 | 11.4 | 11.9 | 11.1 | 10.5 | 10.0 | 9.6 | 8.0 | 5.6 | 3.7 | 2.7 | 2.3 | 2.5 | 11.9 |
| 9 | 2.4 | 3.7 | 3.1 | 3.1 | 4.3 | 3.2 | 3.0 | 4.7 | 6.9 | 7.7 | 7.4 | 9.8 | 12.2 | 11.9 | 10.6 | 10.5 | 11.3 | 9.3 | 7.3 | 7.8 | 12.3 | 13.0 | 8.9 | 5.5 | 13.0 |
| 10 | 4.2 | 8.2 | 3.6 | 2.5 | 2.5 | 2.6 | 3.3 | 4.1 | 11.7 | 11.7 | 10.6 | 10.5 | 10.2 | 10.6 | 10.7 | 10.7 | 10.5 | 10.4 | 10.1 | 10.8 | 10.4 | 10.0 | 4.6 | 2.9 | 11.7 |
| 11 | 3.4 | 3.0 | 2.3 | 2.7 | 2.5 | 2.4 | 1.8 | 3.6 | 3.5 | 5.0 | 7.7 | 10.3 | 11.6 | 12.8 | 13.2 | 13.8 | 11.4 | 8.6 | 8.5 | 8.6 | 7.3 | 7.3 | 2.7 | 3.4 | 13.8 |
| 12 | 3.0 | 4.4 | 3.0 | 2.6 | 2.6 | 2.6 | 1.2 | 1.9 | 3.0 | 3.9 | 7.7 | 10.1 | 10.3 | 12.0 | 12.9 | 12.4 | 11.3 | 9.8 | 7.1 | 7.6 | 8.6 | 7.9 | 4.5 | 5.4 | 12.9 |
| 13 | 5.6 | 5.4 | 3.3 | 3.3 | 2.2 | 3.3 | 1.9 | 2.4 | 3.1 | 3.8 | 7.4 | 8.5 | 9.2 | 11.7 | 11.0 | 13.0 | 13.0 | 9.4 | 8.3 | 7.8 | 5.9 | 7.3 | 7.1 | 6.8 | 13.0 |
| 14 | 6.7 | 6.2 | 4.5 | 4.3 | 4.1 | 4.9 | 5.2 | 2.5 | 2.8 | 6.3 | 6.9 | 11.0 | 12.0 | 12.0 | 13.8 | 13.9 | 13.3 | 12.4 | 14.2 | 15.2 | 13.5 | 8.3 | 7.3 | 5.4 | 15.2 |
| 15 | 3.5 | 4.8 | 5.3 | 6.0 | 6.6 | 9.1 | 8.3 | 8.5 | 9.6 | 9.9 | 9.5 | 9.9 | 10.9 | 12.0 | 13.4 | 14.1 | 14.8 | 14.9 | 15.0 | 17.4 | 12.3 | 8.0 | 9.1 | 9.9 | 17.4 |
| 16 | 8.9 | 8.5 | 6.1 | 7.6 | 7.2 | 6.9 | 11.9 | 11.7 | 16.5 | 15.1 | 13.9 | 13.3 | 13.0 | 13.6 | 14.5 | 14.8 | 11.9 | 11.0 | 8.6 | 9.4 | 10.2 | 13.2 | 11.0 | 9.1 | 16.5 |
| 17 | 6.6 | 5.4 | 6.0 | 4.9 | 4.1 | 4.2 | 4.1 | 6.8 | 8.4 | 10.6 | 11.6 | 10.3 | 12.4 | 13.9 | 14.2 | 15.5 | 13.8 | 9.5 | 9.0 | 7.9 | 5.1 | 4.8 | 3.6 | 5.5 | 15.5 |
| 18 | 6.4 | 7.7 | 4.3 | 3.0 | 3.9 | 3.4 | 2.6 | 2.6 | 3.9 | 3.8 | 4.8 | 3.7 | 4.7 | 4.2 | 6.0 | 4.8 | 8.6 | 9.1 | 12.0 | 11.6 | 10.4 | 6.6 | 3.6 | 2.3 | 12.0 |
| 19 | 2.5 | 2.5 | 1.9 | 2.3 | 3.0 | 2.7 | 2.6 | 2.4 | 2.9 | 5.0 | 4.4 | 5.8 | 4.9 | 6.1 | 10.7 | 12.7 | 11.4 | 12.0 | 11.6 | 12.8 | 13.1 | 12.4 | 10.5 | 4.9 | 13.1 |
| 20 | 4.5 | 7.3 | 2.9 | 3.4 | 2.8 | 3.1 | 2.0 | 2.1 | 3.6 | 4.8 | 4.6 | 4.9 | 5.3 | 5.9 | 10.0 | 9.6 | 8.4 | 9.5 | 3.9 | 3.2 | 3.5 | 4.7 | 2.4 | 3.1 | 10.0 |
| 21 | 2.3 | 1.9 | 2.3 | 2.5 | 1.7 | 2.0 | 3.0 | 3.4 | 4.6 | 5.4 | 4.9 | 5.2 | 4.7 | 3.7 | 5.4 | 9.6 | 10.1 | 8.6 | 6.2 | 5.9 | 3.5 | 2.9 | 2.5 | 2.6 | 10.1 |
| 22 | 3.0 | 3.1 | 2.4 | 2.5 | 2.5 | 2.4 | 2.3 | 2.6 | 4.0 | 5.6 | 5.8 | 5.7 | 5.6 | 6.8 | 9.2 | 10.2 | 12.2 | 10.9 | 10.9 | 13.1 | 12.2 | 3.1 | 3.7 | 5.6 | 13.1 |
| 23 | 6.8 | 7.3 | 8.2 | 5.0 | 3.6 | 5.5 | 6.3 | 8.1 | 7.8 | 7.1 | 10.3 | 13.3 | 12.8 | 12.0 | 11.2 | 11.7 | 10.4 | 7.9 | 6.5 | 5.2 | 6.8 | 4.9 | 6.4 | 4.6 | 13.3 |
| 24 | 5.8 | 5.5 | 4.5 | 3.9 | 5.2 | 5.3 | 2.7 | 3.7 | 4.4 | 4.8 | 9.4 | 10.0 | 10.7 | 11.6 | 11.8 | 11.2 | 10.4 | 7.7 | 6.5 | 8.0 | 8.0 | 7.2 | 6.7 | 7.2 | 11.8 |
| 25 | 7.2 | 6.3 | 7.0 | 7.3 | 5.9 | 4.1 | 4.3 | 3.8 | 4.7 | 7.8 | 8.6 | 9.4 | 11.9 | 10.4 | 10.8 | 10.2 | 10.5 | 11.4 | 10.8 | 10.3 | 11.6 | 10.7 | 3.5 | 3.4 | 11.9 |
| 26 | 3.6 | 6.7 | 6.1 | 5.7 | 6.1 | 4.5 | 3.2 | 2.4 | 2.5 | 8.1 | 8.0 | 9.4 | 10.3 | 11.0 | 11.4 | 10.8 | 9.5 | 8.0 | 7.4 | 6.8 | 8.1 | 7.0 | 6.0 | 5.8 | 11.4 |
| 27 | 4.4 | 4.7 | 4.5 | 3.9 | 5.8 | 5.7 | 2.5 | 7.6 | 7.8 | 9.5 | 10.0 | 9.4 | 11.5 | 10.1 | 11.0 | 10.3 | 9.0 | 9.1 | 8.3 | 8.3 | 7.3 | 9.1 | 8.4 | 2.5 | 11.5 |
| 28 | 3.2 | 3.0 | 2.1 | 2.6 | 2.4 | 3.1 | 2.3 | 2.7 | 7.3 | 7.7 | 9.9 | 10.3 | 11.2 | 12.5 | 12.4 | 12.0 | 10.9 | 9.5 | 9.1 | 8.1 | 5.2 | 4.6 | 3.2 | 3.4 | 12.5 |
| 29 | 2.7 | 2.3 | 2.7 | 3.0 | 3.4 | 3.4 | 2.9 | 1.9 | 4.1 | 4.0 | 8.5 | 9.7 | 10.0 | 10.2 | 10.2 | 11.7 | 10.2 | 11.4 | 10.6 | 9.5 | 5.0 | 3.5 | 3.9 | 2.6 | 11.7 |
| 30 | 2.9 | 4.0 | 4.5 | 3.6 | 3.7 | 3.3 | 3.0 | 5.3 | 7.4 | 8.2 | 8.6 | 10.1 | 10.1 | 11.6 | 13.6 | 11.9 | 12.0 | 12.7 | 10.6 | 9.7 | 7.4 | 5.2 | 4.8 | 6.0 | 13.6 |
| 31 | 2.6 | 3.2 | 3.9 | 4.3 | 4.0 | 3.7 | 3.2 | 2.2 | 3.4 | 6.1 | 8.4 | 10.2 | 11.0 | 11.3 | 10.5 | 10.5 | 11.3 | 12.7 | 14.3 | 14.0 | 3.0 | 4.9 | 6.2 | 4.6 | 14.3 |

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 : August

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 | 221 | 215 | 215 | 209 | 205 | 210 | 218 | 130 | 307 | 198 | 205 | 204 | 200 | 196 | 198 | 205 | 205 | 211 | 214 | 212 | 216 | 210 | 220 | 220 |
| 2 | 222 | 217 | 215 | 217 | 218 | 222 | 214 | 205 | 212 | 215 | 204 | 199 | 202 | 202 | 194 | 196 | 197 | 206 | 211 | 216 | 215 | 214 | 215 | 215 |
| 3 | 213 | 209 | 215 | 217 | 217 | 217 | 215 | 213 | 209 | 202 | 198 | 195 | 190 | 183 | 181 | 186 | 185 | 186 | 180 | 186 | 203 | 202 | 199 | 197 |
| 4 | 193 | 194 | 211 | 199 | 192 | 194 | 190 | 196 | 202 | 194 | 189 | 187 | 187 | 188 | 189 | 194 | 198 | 198 | 196 | 209 | 213 | 215 | 214 | 217 |
| 5 | 213 | 217 | 217 | 216 | 213 | 213 | 215 | 211 | 207 | 206 | 200 | 195 | 201 | 194 | 202 | 206 | 209 | 208 | 216 | 214 | 214 | 214 | 217 | 215 |
| 6 | 215 | 215 | 220 | 219 | 216 | 216 | 214 | 209 | 216 | 198 | 185 | 187 | 202 | 204 | 197 | 202 | 206 | 208 | 216 | 234 | 218 | 214 | 280 | 142 |
| 7 | 183 | 195 | 210 | 210 | 219 | 218 | 219 | 143 | 184 | 191 | 204 | 201 | 192 | 197 | 192 | 191 | 197 | 211 | 214 | 225 | 257 | 217 | 224 | 237 |
| 8 | 255 | 231 | 220 | 268 | 207 | 214 | 214 | 206 | 200 | 192 | 196 | 200 | 198 | 191 | 189 | 194 | 183 | 184 | 190 | 204 | 207 | 211 | 214 | 214 |
| 9 | 213 | 217 | 218 | 223 | 222 | 217 | 215 | 216 | 208 | 200 | 201 | 196 | 187 | 183 | 189 | 184 | 190 | 194 | 200 | 196 | 203 | 209 | 211 | 207 |
| 10 | 210 | 211 | 209 | 213 | 208 | 210 | 212 | 213 | 213 | 210 | 206 | 196 | 200 | 203 | 200 | 200 | 204 | 210 | 213 | 215 | 211 | 210 | 217 | 221 |
| 11 | 224 | 224 | 221 | 228 | 218 | 219 | 213 | 209 | 193 | 187 | 188 | 185 | 184 | 181 | 176 | 180 | 178 | 176 | 195 | 192 | 192 | 182 | 180 | 202 |
| 12 | 218 | 222 | 223 | 218 | 214 | 203 | 199 | 192 | 186 | 179 | 182 | 186 | 182 | 183 | 182 | 180 | 177 | 174 | 189 | 211 | 213 | 217 | 214 | 219 |
| 13 | 224 | 223 | 222 | 223 | 215 | 194 | 182 | 148 | 149 | 196 | 201 | 203 | 199 | 196 | 191 | 197 | 195 | 209 | 215 | 214 | 216 | 222 | 223 | 220 |
| 14 | 218 | 224 | 227 | 225 | 221 | 214 | 213 | 216 | 204 | 197 | 202 | 200 | 194 | 196 | 194 | 190 | 196 | 197 | 203 | 215 | 216 | 213 | 206 | 210 |
| 15 | 211 | 209 | 218 | 212 | 211 | 213 | 211 | 208 | 203 | 202 | 201 | 197 | 199 | 195 | 193 | 196 | 198 | 200 | 201 | 211 | 210 | 208 | 210 | 215 |
| 16 | 219 | 214 | 216 | 213 | 213 | 212 | 214 | 210 | 205 | 203 | 202 | 201 | 198 | 193 | 194 | 199 | 201 | 206 | 210 | 208 | 220 | 217 | 209 | 213 |
| 17 | 216 | 219 | 225 | 221 | 220 | 215 | 212 | 213 | 207 | 209 | 205 | 198 | 199 | 200 | 193 | 205 | 208 | 210 | 214 | 217 | 217 | 215 | 222 | 221 |
| 18 | 213 | 217 | 215 | 216 | 220 | 219 | 219 | 216 | 200 | 172 | 198 | 192 | 188 | 194 | 202 | 200 | 196 | 202 | 207 | 210 | 213 | 217 | 218 | 220 |
| 19 | 218 | 216 | 196 | 158 | 307 | 66 | 297 | 94 | 173 | 192 | 193 | 189 | 199 | 203 | 190 | 193 | 189 | 195 | 208 | 207 | 212 | 215 | 211 | 212 |
| 20 | 208 | 205 | 204 | 215 | 206 | 204 | 195 | 188 | 185 | 197 | 200 | 201 | 192 | 175 | 192 | 163 | 61 | 106 | 193 | 202 | 214 | 219 | 228 | 245 |
| 21 | 281 | 262 | 185 | 197 | 198 | 207 | 210 | 199 | 177 | 200 | 190 | 175 | 171 | 187 | 187 | 126 | 191 | 190 | 204 | 221 | 219 | 251 | 276 | 283 |
| 22 | 298 | 305 | 291 | 292 | 288 | 257 | 107 | 358 | 46 | 50 | 124 | 196 | 192 | 191 | 190 | 187 | 189 | 197 | 208 | 217 | 219 | 219 | 220 | 220 |
| 23 | 221 | 215 | 211 | 214 | 215 | 214 | 209 | 182 | 172 | 180 | 194 | 193 | 192 | 183 | 158 | 157 | 154 | 153 | 181 | 200 | 212 | 214 | 208 | 209 |
| 24 | 205 | 214 | 231 | 173 | 161 | 189 | 184 | 186 | 181 | 183 | 176 | 176 | 177 | 174 | 177 | 171 | 178 | 174 | 169 | 182 | 191 | 206 | 210 | 212 |
| 25 | 207 | 205 | 194 | 203 | 207 | 194 | 302 | 193 | 187 | 191 | 193 | 186 | 186 | 182 | 181 | 181 | 181 | 182 | 184 | 193 | 207 | 219 | 220 | 213 |
| 26 | 210 | 208 | 208 | 209 | 210 | 213 | 210 | 208 | 214 | 201 | 196 | 195 | 197 | 193 | 183 | 198 | 193 | 200 | 200 | 212 | 205 | 206 | 206 | 206 |
| 27 | 212 | 212 | 209 | 212 | 217 | 219 | 219 | 213 | 202 | 191 | 192 | 185 | 185 | 183 | 177 | 174 | 176 | 181 | 191 | 201 | 199 | 205 | 201 | 212 |
| 28 | 211 | 214 | 216 | 215 | 220 | 221 | 212 | 202 | 200 | 185 | 199 | 192 | 189 | 185 | 186 | 189 | 192 | 197 | 186 | 253 | 297 | 256 | 189 | 215 |
| 29 | 274 | 261 | 246 | 249 | 276 | 203 | 1 | 87 | 129 | 183 | 193 | 200 | 197 | 188 | 180 | 186 | 187 | 196 | 216 | 217 | 224 | 223 | 218 | 220 |
| 30 | 220 | 224 | 222 | 219 | 219 | 224 | 221 | 216 | 206 | 198 | 186 | 195 | 193 | 187 | 184 | 185 | 187 | 201 | 210 | 217 | 213 | 235 | 220 | 226 |
| 31 | 231 | 226 | 224 | 189 | 221 | 217 | 214 | 199 | 211 | 194 | 193 | 187 | 184 | 181 | 187 | 185 | 189 | 205 | 214 | 212 | 227 | 232 | 243 | 226 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Boron

LATITUDE : 35 degrees 01 minutes 00 seconds

MONTH : August

ELEVATION : 2460 feet

LONGITUDE : 117 degrees 39 minutes 00 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 | 229 | 241 | 281 | 16 | 91 | 91 | 108 | 269 | 287 | 310 | 314 | 293 | 282 | 235 | 311 | 295 | 262 | 269 | 248 | 238 | 238 | 233 | 238 | 232 |
| 2 | 235 | 231 | 244 | 242 | 240 | 243 | 245 | 253 | 249 | 261 | 296 | 266 | 259 | 268 | 266 | 240 | 244 | 239 | 239 | 235 | 237 | 235 | 231 | 232 |
| 3 | 234 | 230 | 230 | 231 | 242 | 248 | 245 | 243 | 242 | 244 | 250 | 247 | 244 | 239 | 237 | 237 | 241 | 244 | 244 | 246 | 258 | 251 | 241 | 268 |
| 4 | 247 | 233 | 320 | 243 | 238 | 351 | 171 | 241 | 242 | 240 | 248 | 238 | 251 | 241 | 250 | 249 | 242 | 240 | 238 | 236 | 231 | 234 | 234 | 235 |
| 5 | 229 | 231 | 232 | 236 | 235 | 297 | 278 | 244 | 236 | 236 | 242 | 249 | 245 | 245 | 242 | 242 | 236 | 240 | 242 | 237 | 242 | 242 | 234 | 231 |
| 6 | 234 | 239 | 245 | 231 | 236 | 122 | 243 | 253 | 245 | 241 | 239 | 245 | 258 | 254 | 251 | 243 | 251 | 248 | 245 | 235 | 234 | 235 | 226 | 240 |
| 7 | 296 | 42 | 91 | 88 | 272 | 87 | 223 | 273 | 282 | 252 | 249 | 246 | 242 | 243 | 235 | 240 | 250 | 283 | 286 | 281 | 250 | 235 | 241 | 260 |
| 8 | 270 | 237 | 126 | 270 | 151 | 41 | 112 | 279 | 283 | 275 | 257 | 259 | 257 | 238 | 259 | 254 | 256 | 251 | 253 | 263 | 257 | 246 | 260 | 286 |
| 9 | 286 | 280 | 294 | 292 | 67 | 97 | 101 | 296 | 248 | 233 | 240 | 237 | 255 | 244 | 260 | 252 | 253 | 250 | 260 | 251 | 261 | 266 | 303 | 275 |
| 10 | 275 | 265 | 255 | 80 | 241 | 281 | 265 | 258 | 286 | 250 | 246 | 254 | 258 | 251 | 278 | 281 | 281 | 290 | 280 | 266 | 250 | 256 | 238 | 238 |
| 11 | 175 | 276 | 93 | 108 | 75 | 54 | 66 | 252 | 288 | 269 | 253 | 243 | 236 | 249 | 255 | 255 | 259 | 254 | 250 | 247 | 238 | 244 | 234 | 203 |
| 12 | 229 | 254 | 342 | 81 | 94 | 96 | 75 | 282 | 251 | 255 | 356 | 245 | 262 | 230 | 257 | 259 | 254 | 248 | 249 | 256 | 262 | 240 | 235 | 238 |
| 13 | 231 | 250 | 281 | 274 | 258 | 274 | 271 | 301 | 301 | 270 | 265 | 249 | 248 | 253 | 250 | 247 | 248 | 248 | 248 | 242 | 237 | 238 | 228 | 232 |
| 14 | 231 | 232 | 240 | 251 | 261 | 298 | 303 | 260 | 275 | 265 | 254 | 252 | 258 | 242 | 254 | 257 | 246 | 240 | 248 | 245 | 235 | 237 | 233 | 242 |
| 15 | 233 | 231 | 234 | 241 | 238 | 315 | 120 | 222 | 256 | 228 | 235 | 217 | 223 | 232 | 236 | 242 | 248 | 244 | 247 | 239 | 246 | 240 | 231 | 227 |
| 16 | 228 | 229 | 229 | 231 | 258 | 239 | 260 | 248 | 235 | 244 | 246 | 244 | 247 | 245 | 247 | 248 | 246 | 245 | 240 | 242 | 235 | 233 | 237 | 238 |
| 17 | 237 | 240 | 229 | 229 | 231 | 235 | 237 | 251 | 252 | 258 | 251 | 251 | 263 | 271 | 265 | 269 | 274 | 265 | 264 | 240 | 245 | 242 | 243 | 239 |
| 18 | 237 | 235 | 234 | 243 | 231 | 253 | 237 | 247 | 258 | 274 | 253 | 82 | 78 | 110 | 124 | 109 | 217 | 202 | 189 | 228 | 232 | 235 | 245 | 311 |
| 19 | 340 | 287 | 326 | 118 | 84 | 93 | 119 | 129 | 271 | 268 | 192 | 101 | 89 | 92 | 128 | 143 | 168 | 265 | 274 | 264 | 265 | 248 | 233 | 234 |
| 20 | 203 | 193 | 123 | 81 | 87 | 158 | 235 | 89 | 93 | 88 | 85 | 84 | 90 | 79 | 96 | 90 | 100 | 102 | 148 | 297 | 325 | 281 | 253 | 253 |
| 21 | 304 | 309 | 274 | 293 | 292 | 290 | 295 | 272 | 297 | 102 | 102 | 80 | 77 | 87 | 72 | 98 | 228 | 269 | 313 | 260 | 261 | 219 | 227 | 279 |
| 22 | 274 | 281 | 272 | 269 | 266 | 229 | 279 | 292 | 294 | 326 | 63 | 109 | 54 | 57 | 153 | 291 | 260 | 251 | 252 | 263 | 256 | 243 | 240 | 238 |
| 23 | 242 | 241 | 269 | 310 | 26 | 82 | 322 | 255 | 255 | 255 | 247 | 257 | 256 | 260 | 252 | 255 | 258 | 259 | 255 | 238 | 226 | 216 | 221 | 229 |
| 24 | 239 | 269 | 287 | 342 | 272 | 100 | 73 | 234 | 159 | 285 | 251 | 270 | 260 | 246 | 244 | 261 | 263 | 263 | 263 | 250 | 245 | 259 | 242 | 238 |
| 25 | 236 | 236 | 255 | 250 | 74 | 333 | 9 | 266 | 253 | 253 | 256 | 254 | 251 | 255 | 256 | 255 | 251 | 245 | 250 | 255 | 238 | 233 | 237 | 240 |
| 26 | 226 | 267 | 271 | 234 | 241 | 232 | 90 | 249 | 243 | 250 | 244 | 240 | 250 | 245 | 246 | 241 | 234 | 238 | 240 | 250 | 235 | 235 | 234 | 233 |
| 27 | 232 | 228 | 252 | 279 | 291 | 128 | 65 | 276 | 252 | 249 | 247 | 251 | 239 | 245 | 255 | 243 | 241 | 239 | 243 | 248 | 256 | 256 | 243 | 247 |
| 28 | 277 | 357 | 21 | 96 | 77 | 63 | 69 | 86 | 350 | 260 | 279 | 264 | 250 | 250 | 243 | 246 | 275 | 285 | 291 | 278 | 246 | 249 | 242 | 235 |
| 29 | 215 | 203 | 285 | 276 | 266 | 62 | 358 | 263 | 267 | 283 | 256 | 278 | 267 | 260 | 253 | 257 | 249 | 262 | 262 | 248 | 295 | 235 | 241 | 237 |
| 30 | 260 | 266 | 267 | 259 | 293 | 48 | 12 | 155 | 265 | 248 | 238 | 253 | 261 | 263 | 256 | 246 | 250 | 252 | 251 | 267 | 254 | 235 | 255 | 256 |
| 31 | 239 | 133 | 75 | 71 | 98 | 88 | 71 | 80 | 302 | 268 | 263 | 244 | 256 | 253 | 250 | 239 | 253 | 242 | 255 | 249 | 242 | 231 | 237 | 287 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Catalina Airport

ELEVATION : 1602 feet

PARAMETER : Wind Direction

LATITUDE : 33 degrees 24 minutes 00 seconds

LONGITUDE : 118 degrees 24 minutes 30 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 211 | 217 | 208 | 87 | 199 | 272 | 290 | 297 | 297 | 270 | 285 | 257 | 247 | 247 | 242 | 239 | 250 | 268 | 301 | 294 | 288 | 283 | 283 | 256 |
| 2 | 252 | 268 | 281 | 267 | 272 | 289 | 246 | 241 | 235 | 227 | 236 | 241 | 244 | 245 | 246 | 258 | 300 | 297 | 299 | 296 | 304 | 309 | 319 | 293 |
| 3 | 301 | 329 | 231 | 230 | 253 | 233 | 233 | 133 | 196 | 218 | 204 | 254 | 306 | 263 | 235 | 219 | 246 | 251 | 267 | 266 | 290 | 209 | 168 | 107 |
| 4 | 132 | 140 | 121 | 98 | 154 | 337 | 9 | 303 | 198 | 210 | 212 | 238 | 234 | 222 | 233 | 253 | 251 | 250 | 251 | 241 | 254 | 260 | 254 | 296 |
| 5 | 326 | 304 | 301 | 310 | 338 | 326 | 326 | 354 | 359 | 90 | 198 | 227 | 244 | 249 | 247 | 247 | 247 | 251 | 280 | 286 | 294 | 288 | 290 | 303 |
| 6 | 317 | 307 | 323 | 322 | 326 | 320 | 304 | 299 | 274 | 262 | 257 | 244 | 246 | 253 | 247 | 242 | 256 | 280 | 294 | 286 | 308 | 310 | 313 | 314 |
| 7 | 301 | 288 | 300 | 299 | 313 | 314 | 318 | 303 | 294 | 322 | 306 | [SC] | [SC] | 294 | 279 | 270 | 250 | 282 | 310 | 305 | 311 | 319 | 319 | 304 |
| 8 | 305 | 301 | 289 | 254 | 292 | 293 | 242 | 235 | 296 | 259 | 235 | 252 | 234 | 242 | 241 | 243 | 265 | 269 | 303 | 325 | 350 | 319 | 278 | 332 |
| 9 | 181 | 28 | 311 | 307 | 291 | 275 | 285 | 317 | 297 | 306 | 259 | 258 | 278 | 253 | 249 | 246 | 245 | 244 | 250 | 259 | 273 | 271 | 273 | 303 |
| 10 | 252 | 217 | 254 | 286 | 222 | 218 | 219 | 242 | 204 | 209 | 227 | 235 | 221 | 242 | 238 | 226 | 248 | 282 | 322 | 326 | 309 | 324 | 327 | 328 |
| 11 | 348 | 284 | 309 | 271 | 253 | 275 | 338 | 323 | 308 | 288 | 255 | 264 | 262 | 241 | 242 | 244 | 251 | 256 | 265 | 281 | 284 | 301 | 321 | 311 |
| 12 | 303 | 290 | 297 | 284 | 315 | 315 | 324 | 320 | 345 | 356 | 327 | 263 | 239 | 243 | 241 | 242 | 237 | 237 | 253 | 257 | 257 | 252 | 281 | 310 |
| 13 | 312 | 360 | 354 | 7 | 340 | 296 | 297 | 278 | 279 | 261 | 244 | 246 | 248 | 241 | 241 | 247 | 254 | 259 | 272 | 270 | 282 | 281 | 272 | 348 |
| 14 | 94 | 241 | 229 | 181 | 192 | 177 | 178 | 216 | 197 | 181 | 304 | 218 | 214 | 204 | 217 | 210 | 208 | 224 | 244 | 180 | 155 | 129 | 126 | 120 |
| 15 | 140 | 138 | 98 | 67 | 112 | 73 | 32 | 32 | 289 | 249 | 257 | 243 | 220 | 237 | 233 | 226 | 220 | 215 | 232 | 287 | 26 | 85 | 122 | 97 |
| 16 | 116 | 107 | 99 | 81 | 358 | 88 | 249 | 264 | 355 | 314 | 262 | 270 | 249 | 236 | 232 | 232 | 231 | 234 | 229 | 226 | 226 | 201 | 175 | 122 |
| 17 | 117 | 113 | 118 | 122 | 125 | 112 | 90 | 76 | 330 | 299 | 299 | 258 | 249 | 246 | 239 | 241 | 240 | 271 | 278 | 285 | 287 | 269 | 242 | 116 |
| 18 | 128 | 133 | 120 | 95 | 63 | 35 | 60 | 135 | 351 | 325 | 276 | 266 | 253 | 250 | 238 | 236 | 240 | 246 | 266 | 302 | 345 | 357 | 343 | 329 |
| 19 | 318 | 319 | 282 | 289 | 280 | 247 | 276 | 280 | 316 | 263 | 260 | 246 | 248 | 241 | 237 | 233 | 225 | 205 | 197 | 124 | 144 | 142 | 108 | 134 |
| 20 | 161 | 137 | 156 | 159 | 186 | 110 | 137 | 94 | 180 | 245 | 247 | 228 | 238 | 241 | 229 | 235 | 232 | 213 | 184 | 126 | 122 | 113 | 150 | 184 |
| 21 | 165 | 182 | 3 | 28 | 53 | 33 | 70 | 105 | 229 | 244 | 242 | 239 | 234 | 239 | 234 | 231 | 237 | 242 | 241 | 263 | 278 | 283 | 288 | 312 |
| 22 | 252 | 347 | 322 | 266 | 264 | 265 | 262 | 263 | 318 | 239 | 241 | 242 | 239 | 237 | 238 | 239 | 240 | 243 | 260 | 272 | 289 | 284 | 261 | 245 |
| 23 | 239 | 236 | 265 | 253 | 252 | 218 | 257 | 227 | 201 | 219 | 221 | 217 | 215 | 219 | 226 | 210 | 215 | 218 | 214 | 223 | 227 | 273 | 117 | 104 |
| 24 | 52 | 103 | 115 | 132 | 108 | 95 | 96 | 119 | 122 | 134 | 177 | 213 | 214 | 224 | 218 | 234 | 249 | 259 | 286 | 308 | 299 | 325 | 323 | 314 |
| 25 | 319 | 308 | 298 | 289 | 285 | 269 | 281 | 290 | 313 | 324 | 294 | 248 | 243 | 246 | 246 | 241 | 235 | 243 | 249 | 248 | 253 | 246 | 258 | 257 |
| 26 | 236 | 145 | 171 | 180 | 162 | 173 | 181 | 181 | 180 | 219 | 241 | 248 | 249 | 246 | 246 | 248 | 243 | 253 | 261 | 256 | 258 | 270 | 300 | 314 |
| 27 | 322 | 313 | 139 | 150 | 123 | 144 | 172 | 195 | 195 | 257 | 261 | 263 | 254 | 244 | 245 | 245 | 252 | 248 | 255 | 254 | 265 | 276 | 311 | 314 |
| 28 | 295 | 276 | 291 | 304 | 272 | 247 | 245 | 251 | 285 | 283 | 260 | 251 | 253 | 246 | 247 | 245 | 245 | 254 | 256 | 261 | 291 | 301 | 304 | 293 |
| 29 | 292 | 292 | 307 | 311 | 292 | 283 | 267 | 234 | 291 | 302 | 286 | 276 | 275 | 268 | 253 | 244 | 246 | 242 | 246 | 259 | 254 | 261 | 268 | 304 |
| 30 | 302 | 320 | 324 | 315 | 313 | 305 | 276 | 284 | 280 | 307 | 270 | 249 | 253 | 244 | 243 | 256 | 256 | 248 | 262 | 299 | 314 | 314 | 307 | 305 |
| 31 | 295 | 301 | 294 | 294 | 291 | 288 | 293 | 298 | 305 | 311 | 295 | 291 | 269 | 254 | 251 | 245 | 251 | 249 | 260 | 279 | 305 | 306 | 310 | 309 |

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 : August
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 | 236 | 245 | 247 | 262 | 264 | 258 | 258 | 254 | 276 | 267 | 253 | 233 | 225 | 271 | 216 | 209 | 233 | 228 | 229 | 226 | 233 | 245 | 248 | 249 |
| 2 | 248 | 236 | 237 | 237 | 238 | 255 | 252 | 249 | 238 | 251 | 245 | 246 | 242 | 231 | 217 | 225 | 217 | 222 | 228 | 227 | 226 | 228 | 231 | 237 |
| 3 | 237 | 232 | 232 | 238 | 241 | 251 | 239 | 235 | 240 | 236 | 229 | 231 | 232 | 222 | 221 | 213 | 213 | 205 | 206 | 224 | 222 | 243 | 245 | 250 |
| 4 | 238 | 253 | 243 | 233 | 261 | 274 | 260 | 250 | 249 | 235 | 235 | 223 | 221 | 227 | 211 | 218 | 208 | 217 | 229 | 224 | 221 | 219 | 223 | 228 |
| 5 | 230 | 225 | 229 | 228 | 240 | 245 | 254 | 244 | 245 | 231 | 233 | 229 | 230 | 228 | 229 | 229 | 230 | 228 | 227 | 231 | 237 | 245 | 229 | 238 |
| 6 | 235 | 247 | 256 | 254 | 256 | 259 | 259 | 253 | 247 | 250 | 237 | 244 | 249 | 241 | 231 | 232 | 233 | 246 | 244 | 249 | 237 | 257 | 245 | 237 |
| 7 | 261 | 258 | 281 | 281 | 263 | 259 | 258 | 267 | 232 | 232 | 235 | 228 | 229 | 231 | 228 | 229 | 229 | 240 | 254 | 272 | 260 | 255 | 253 | 245 |
| 8 | 249 | 257 | 260 | 275 | 256 | 271 | 268 | 289 | 264 | 285 | 256 | 274 | 264 | 226 | 260 | 249 | 224 | 224 | 251 | 255 | 251 | 296 | 296 | 282 |
| 9 | 300 | 286 | 285 | 290 | 301 | 301 | 306 | 300 | 308 | 280 | 242 | 244 | 254 | 238 | 224 | 224 | 232 | 233 | 229 | 227 | 245 | 243 | 253 | 252 |
| 10 | 261 | 262 | 267 | 283 | 258 | 258 | 270 | 264 | 271 | 260 | 237 | 233 | 233 | 233 | 235 | 232 | 229 | 241 | 248 | 287 | 252 | 252 | 256 | 260 |
| 11 | 286 | 290 | 273 | 260 | 275 | 281 | 284 | 284 | 304 | 287 | 234 | 231 | 239 | 238 | 227 | 219 | 210 | 204 | 220 | 228 | 233 | 287 | 288 | 288 |
| 12 | 263 | 272 | 283 | 298 | 298 | 3 | 325 | 44 | 109 | 143 | 205 | 223 | 253 | 269 | 296 | 290 | 237 | 242 | 242 | 231 | 247 | 260 | 270 | 255 |
| 13 | 251 | 256 | 254 | 261 | 292 | 295 | 308 | 271 | 284 | 283 | 266 | 263 | 251 | 267 | 260 | 228 | 243 | 246 | 253 | 246 | 233 | 238 | 242 | 245 |
| 14 | 251 | 251 | 256 | 260 | 258 | 248 | 250 | 247 | 243 | 251 | 240 | 235 | 232 | 232 | 231 | 239 | 238 | 235 | 236 | 226 | 240 | 234 | 231 | 227 |
| 15 | 230 | 234 | 249 | 268 | 279 | 237 | 255 | 128 | 97 | 221 | 252 | 221 | 228 | 225 | 223 | 225 | 214 | 216 | 226 | 228 | 228 | 224 | 226 | 233 |
| 16 | 226 | 223 | 229 | 233 | 235 | 233 | 241 | 256 | 237 | 230 | 212 | 221 | 229 | 227 | 229 | 228 | 229 | 236 | 232 | 228 | 231 | 226 | 224 | 226 |
| 17 | 226 | 223 | 232 | 230 | 237 | 228 | 226 | 229 | 229 | 230 | 229 | 229 | 229 | 228 | 228 | 228 | 233 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] |
| 18 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] |
| 19 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | 197 | 120 | 132 | 126 | 113 | 220 | 234 | 264 | 285 | 312 |
| 20 | 281 | 319 | 56 | 81 | 95 | 89 | 94 | 96 | 95 | 96 | 90 | 94 | 81 | 80 | 74 | 76 | 76 | 75 | 71 | 71 | 70 | 75 | 74 | 76 |
| 21 | 78 | 78 | 76 | 89 | 92 | 92 | 108 | 94 | 99 | 103 | 113 | 126 | 103 | 94 | 106 | 175 | 74 | 126 | 255 | 324 | 314 | 277 | 259 | 259 |
| 22 | 288 | 254 | 275 | 281 | 266 | 258 | 239 | 286 | 310 | 199 | 138 | 132 | 124 | 106 | 130 | 231 | 247 | 237 | 229 | 229 | 252 | 232 | 233 | 229 |
| 23 | 237 | 242 | 255 | 255 | 261 | 260 | 264 | 304 | 302 | 273 | 246 | 235 | 218 | 226 | 206 | 220 | 221 | 236 | 229 | 252 | 237 | 242 | 235 | 227 |
| 24 | 228 | 241 | 249 | 259 | 262 | 259 | 198 | 232 | 314 | 232 | 216 | 223 | 215 | 216 | 207 | 218 | 205 | 202 | 207 | 244 | 279 | 263 | 254 | 257 |
| 25 | 251 | 253 | 258 | 259 | 290 | 270 | 285 | 279 | 278 | 280 | 259 | 241 | 244 | 254 | 238 | 242 | 241 | 232 | 226 | 222 | 246 | 235 | 255 | 259 |
| 26 | 258 | 256 | 252 | 254 | 256 | 256 | 256 | 274 | 287 | 226 | 229 | 226 | 236 | 231 | 229 | 232 | 233 | 237 | 239 | 225 | 222 | 238 | 300 | 312 |
| 27 | 312 | 304 | 267 | 261 | 302 | 312 | 309 | 306 | 311 | 277 | 261 | 251 | 254 | 239 | 227 | 273 | 233 | 242 | 238 | 227 | 228 | 242 | 272 | 294 |
| 28 | 318 | 274 | 285 | 265 | 269 | 262 | 273 | 256 | 269 | 232 | 241 | 253 | 235 | 292 | 277 | 266 | 236 | 237 | 276 | 293 | 259 | 258 | 256 | 257 |
| 29 | 259 | 258 | 263 | 256 | 288 | 298 | 302 | 260 | 257 | 262 | 257 | 258 | 249 | 255 | 236 | 240 | 240 | 234 | 245 | 251 | 252 | 248 | 249 | 266 |
| 30 | 269 | 260 | 258 | 262 | 261 | 261 | 256 | 252 | 243 | 250 | 237 | 246 | 246 | 240 | 232 | 242 | 235 | 223 | 221 | 242 | 253 | 251 | 255 | 265 |
| 31 | 264 | 283 | 285 | 290 | 300 | 310 | 315 | 320 | 318 | 304 | 301 | 319 | 287 | 266 | 257 | 248 | 287 | 247 | 248 | 267 | 278 | 250 | 251 | 251 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Ludlow

LATITUDE : 34 degrees 42 minutes 36 seconds

MONTH : August

ELEVATION : 1782 feet

LONGITUDE : 116 degrees 09 minutes 15 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 | 253 | 258 | 252 | 250 | 250 | 254 | 266 | 265 | 275 | 314 | 269 | 15 | 294 | 226 | 263 | 284 | 317 | 184 | 188 | 219 | 275 | 262 | 265 | 261 |
| 2 | 265 | 256 | 256 | 254 | 250 | 259 | 262 | 261 | 265 | 272 | 269 | 285 | 314 | 291 | 286 | 290 | 294 | 279 | 272 | 286 | 265 | 260 | 276 | 270 |
| 3 | 256 | 254 | 249 | 222 | 235 | 243 | 252 | 274 | 15 | 67 | 11 | 287 | 243 | 236 | 279 | 272 | 254 | 250 | 245 | 243 | 244 | 247 | 279 | 256 |
| 4 | 238 | 248 | 257 | 261 | 259 | 255 | 270 | 316 | 349 | 356 | 1 | 324 | 294 | 188 | 149 | 275 | 300 | 278 | 277 | 277 | 285 | 290 | 273 | 271 |
| 5 | 278 | 260 | 259 | 265 | 236 | 250 | 297 | 317 | 352 | 8 | 2 | 30 | 355 | 48 | 32 | 342 | 270 | 316 | 308 | 284 | 265 | 268 | 272 | 254 |
| 6 | 249 | 256 | 264 | 253 | 249 | 251 | 259 | 303 | 349 | 344 | 13 | 316 | 281 | 287 | 304 | 271 | 306 | 301 | 298 | 287 | 279 | 268 | 286 | 259 |
| 7 | 262 | 255 | 248 | 265 | 266 | 258 | 265 | 270 | 272 | 338 | 25 | 4 | 36 | 54 | 17 | 354 | 225 | 257 | 275 | 291 | 288 | 278 | 289 | 274 |
| 8 | 272 | 265 | 251 | 251 | 255 | 259 | 271 | 273 | 282 | 273 | 7 | 29 | 312 | 129 | 184 | 43 | 8 | 26 | 153 | 164 | 233 | 285 | 245 | 252 |
| 9 | 242 | 251 | 253 | 254 | 247 | 253 | 266 | 269 | 291 | 57 | 25 | 44 | 123 | 123 | 164 | 167 | 164 | 177 | 206 | 259 | 245 | 247 | 247 | 247 |
| 10 | 250 | 251 | 251 | 254 | 257 | 257 | 258 | 246 | 255 | 318 | 21 | 8 | 64 | 32 | 30 | 60 | 350 | 30 | 297 | 292 | 283 | 296 | 299 | 318 |
| 11 | 276 | 259 | 260 | 257 | 255 | 268 | 268 | 272 | 280 | 338 | 128 | 138 | 164 | 154 | 155 | 126 | 170 | 183 | 199 | 225 | 242 | 240 | 226 | 189 |
| 12 | 199 | 212 | 203 | 178 | 130 | 125 | 127 | 127 | 135 | 131 | 138 | 137 | 134 | 133 | 83 | 13 | 69 | 214 | 169 | 4 | 39 | 28 | 191 | 180 |
| 13 | 216 | 263 | 262 | 256 | 263 | 268 | 270 | 278 | 349 | 359 | 14 | 21 | 72 | 45 | 357 | 32 | 350 | 23 | 24 | 307 | 283 | 279 | 293 | 303 |
| 14 | 337 | 253 | 269 | 266 | 267 | 272 | 275 | 269 | 277 | 355 | 12 | 28 | 39 | 26 | 24 | 48 | 340 | 7 | 28 | 187 | 285 | 278 | 256 | 229 |
| 15 | 217 | 228 | 222 | 153 | 150 | 130 | 138 | 132 | 130 | 130 | 132 | 134 | 131 | 129 | 137 | 137 | 137 | 137 | 143 | 224 | 254 | 241 | 221 | 243 |
| 16 | 228 | 197 | 175 | 174 | 220 | 214 | 39 | 87 | 134 | 153 | 163 | 140 | 153 | 160 | 180 | 254 | 303 | 298 | 289 | 278 | 267 | 271 | 267 | 269 |
| 17 | 256 | 251 | 253 | 272 | 261 | 261 | 270 | 305 | 273 | 264 | 242 | 262 | 277 | 260 | 214 | 160 | 189 | 284 | 290 | 281 | 272 | 281 | 249 | 250 |
| 18 | 307 | 307 | 29 | 221 | 241 | 263 | 258 | 269 | 265 | 328 | 313 | 264 | 310 | 342 | 68 | 8 | 27 | 30 | 13 | 140 | 244 | 246 | 188 | 201 |
| 19 | 235 | 253 | 254 | 254 | 253 | 251 | 251 | 265 | 279 | 269 | 28 | 111 | 133 | 144 | 130 | 131 | 132 | 131 | 178 | 184 | 173 | 157 | 131 | 131 |
| 20 | 126 | 129 | 126 | 125 | 128 | 136 | 138 | 146 | 147 | 132 | 137 | 137 | 129 | 135 | 135 | 127 | 123 | 131 | 148 | 128 | 134 | 123 | 147 | 253 |
| 21 | 271 | 225 | 215 | 189 | 137 | 144 | 175 | 141 | 125 | 144 | 144 | 133 | 120 | 126 | 98 | 134 | 156 | 183 | 161 | 191 | 203 | 240 | 247 | 249 |
| 22 | 252 | 253 | 254 | 254 | 253 | 254 | 258 | 265 | 313 | 325 | 138 | 138 | 136 | 134 | 143 | 160 | 161 | 149 | 137 | 142 | 176 | 237 | 277 | 266 |
| 23 | 260 | 269 | 258 | 250 | 243 | 244 | 256 | 268 | 270 | 181 | 115 | 135 | 159 | 133 | 177 | 170 | 203 | 5 | 301 | 298 | 312 | 303 | 221 | 244 |
| 24 | 257 | 256 | 188 | 200 | 199 | 225 | 274 | 281 | 346 | 60 | 119 | 138 | 151 | 124 | 128 | 169 | 147 | 166 | 227 | 274 | 344 | 333 | 285 | 249 |
| 25 | 222 | 228 | 252 | 256 | 251 | 256 | 261 | 263 | 299 | 330 | 358 | 338 | 332 | 55 | 310 | 297 | 281 | 278 | 263 | 263 | 257 | 250 | 242 | 197 |
| 26 | 191 | 241 | 257 | 255 | 255 | 252 | 261 | 266 | 266 | 321 | 28 | 10 | 4 | 358 | 15 | 85 | 19 | 267 | 261 | 286 | 291 | 265 | 247 | 241 |
| 27 | 234 | 228 | 251 | 254 | 257 | 266 | 272 | 269 | 316 | 339 | 5 | 7 | 120 | 293 | 301 | 207 | 297 | 274 | 267 | 253 | 262 | 278 | 259 | 332 |
| 28 | 231 | 248 | 252 | 258 | 266 | 256 | 267 | 276 | 332 | 334 | 26 | 333 | 23 | 110 | 263 | 298 | 2 | 347 | 283 | 264 | 271 | 297 | 288 | 269 |
| 29 | 263 | 259 | 257 | 258 | 258 | 258 | 263 | 267 | 268 | 286 | 6 | 12 | 13 | 354 | 359 | 347 | 290 | 307 | 309 | 268 | 270 | 279 | 297 | 283 |
| 30 | 254 | 251 | 258 | 251 | 254 | 258 | 262 | 271 | 283 | 349 | 36 | 57 | 150 | 112 | 70 | 63 | 346 | 166 | 144 | 169 | 246 | 281 | 281 | 255 |
| 31 | 254 | 254 | 256 | 253 | 255 | 258 | 263 | 272 | 275 | 332 | 20 | 29 | 348 | 340 | 170 | 117 | 58 | 35 | 135 | 220 | 279 | 275 | 274 | 266 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Palmdale

LATITUDE : 34 degrees 33 minutes 26 seconds

MONTH : August

ELEVATION : 2760 feet

LONGITUDE : 118 degrees 06 minutes 46 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 | 215 | 220 | 214 | 209 | 232 | 229 | 234 | 245 | 7 | 308 | 241 | 243 | 247 | 245 | 244 | 244 | 235 | 225 | 216 | 216 | 326 | 140 | 186 | 199 |
| 2 | 204 | 210 | 228 | 242 | 222 | 139 | 73 | 111 | 228 | 240 | 229 | 238 | 236 | 237 | 230 | 232 | 228 | 228 | 226 | 242 | 220 | 208 | 199 | 202 |
| 3 | 204 | 208 | 220 | 243 | 184 | 227 | 219 | 208 | 221 | 233 | 254 | 257 | 255 | 237 | 239 | 229 | 231 | 237 | 222 | 210 | 261 | 246 | 225 | 216 |
| 4 | 205 | 208 | 212 | 209 | 209 | 208 | 207 | 209 | 214 | 220 | 244 | 249 | 248 | 244 | 234 | 232 | 231 | 230 | 231 | 243 | 232 | 238 | 246 | 240 |
| 5 | 233 | 232 | 213 | 212 | 209 | 196 | 201 | 251 | 242 | 247 | 261 | 255 | 251 | 249 | 244 | 234 | 241 | 245 | 258 | 2 | 257 | 218 | 208 | 212 |
| 6 | 262 | 182 | 174 | 187 | 178 | 174 | 167 | 354 | 294 | 254 | 253 | 248 | 240 | 241 | 250 | 239 | 227 | 221 | 233 | 50 | 193 | 176 | 211 | 214 |
| 7 | 213 | 217 | 196 | 183 | 197 | 165 | 243 | 93 | 234 | 233 | 232 | 239 | 244 | 253 | 250 | 248 | 240 | 228 | 292 | 258 | 252 | 229 | 243 | 175 |
| 8 | 227 | 235 | 138 | 259 | 257 | 191 | 105 | 37 | 48 | 58 | 292 | 257 | 249 | 252 | 240 | 225 | 224 | 236 | 265 | 290 | 344 | 319 | 171 | 170 |
| 9 | 213 | 215 | 202 | 53 | 62 | 42 | 43 | 27 | 229 | 232 | 232 | 243 | 256 | 257 | 241 | 242 | 239 | 254 | 312 | 329 | 201 | 210 | 246 | 88 |
| 10 | 100 | 158 | 76 | 54 | 79 | 66 | 77 | 70 | 137 | 218 | 224 | 221 | 224 | 238 | 244 | 243 | 239 | 235 | 224 | 219 | 213 | 198 | 353 | 24 |
| 11 | 53 | 233 | 50 | 224 | 178 | 234 | 285 | 352 | 11 | 11 | 244 | 226 | 211 | 212 | 213 | 213 | 220 | 239 | 246 | 236 | 221 | 221 | 63 | 67 |
| 12 | 43 | 57 | 285 | 323 | 207 | 191 | 208 | 328 | 28 | 66 | 293 | 239 | 239 | 236 | 244 | 241 | 231 | 244 | 258 | 243 | 238 | 219 | 43 | 225 |
| 13 | 206 | 226 | 265 | 39 | 142 | 208 | 4 | 39 | 48 | 50 | 257 | 249 | 245 | 235 | 238 | 232 | 233 | 244 | 240 | 297 | 259 | 232 | 226 | 215 |
| 14 | 229 | 210 | 215 | 210 | 213 | 192 | 201 | 46 | 58 | 273 | 260 | 230 | 229 | 233 | 229 | 227 | 229 | 227 | 213 | 208 | 214 | 319 | 307 | 110 |
| 15 | 75 | 67 | 135 | 202 | 194 | 183 | 209 | 198 | 210 | 205 | 213 | 236 | 238 | 239 | 241 | 233 | 227 | 223 | 213 | 208 | 317 | 315 | 228 | 238 |
| 16 | 236 | 223 | 238 | 247 | 169 | 213 | 241 | 217 | 214 | 217 | 225 | 229 | 231 | 231 | 235 | 236 | 256 | 247 | 293 | 272 | 231 | 234 | 247 | 249 |
| 17 | 223 | 198 | 268 | 181 | 198 | 189 | 184 | 248 | 262 | 248 | 232 | 246 | 243 | 235 | 232 | 236 | 242 | 295 | 249 | 253 | 240 | 313 | 79 | 257 |
| 18 | 260 | 281 | 295 | 353 | 168 | 211 | 273 | 33 | 5 | 13 | 64 | 89 | 6 | 74 | 357 | 31 | 246 | 241 | 213 | 207 | 217 | 226 | 125 | 230 |
| 19 | 247 | 215 | 204 | 214 | 216 | 215 | 242 | 37 | 47 | 50 | 25 | 28 | 62 | 91 | 180 | 173 | 197 | 224 | 228 | 215 | 211 | 213 | 239 | 46 |
| 20 | 142 | 201 | 275 | 199 | 214 | 249 | 199 | 49 | 75 | 62 | 63 | 317 | 32 | 15 | 251 | 256 | 309 | 146 | 227 | 270 | 44 | 129 | 279 | 181 |
| 21 | 246 | 237 | 263 | 170 | 229 | 237 | 337 | 331 | 337 | 9 | 68 | 50 | 25 | 214 | 230 | 255 | 255 | 89 | 299 | 280 | 340 | 188 | 195 | 209 |
| 22 | 231 | 252 | 224 | 155 | 200 | 233 | 204 | 61 | 43 | 54 | 52 | 48 | 99 | 250 | 277 | 250 | 244 | 247 | 231 | 217 | 224 | 8 | 211 | 260 |
| 23 | 258 | 233 | 268 | 225 | 194 | 196 | 155 | 199 | 216 | 229 | 256 | 251 | 245 | 240 | 240 | 238 | 223 | 230 | 247 | 210 | 196 | 271 | 217 | 250 |
| 24 | 261 | 275 | 254 | 252 | 250 | 256 | 27 | 69 | 60 | 55 | 185 | 215 | 226 | 228 | 229 | 226 | 223 | 245 | 258 | 254 | 246 | 249 | 247 | 240 |
| 25 | 232 | 232 | 243 | 246 | 235 | 251 | 254 | 15 | 281 | 247 | 249 | 258 | 247 | 247 | 249 | 243 | 249 | 236 | 235 | 219 | 208 | 225 | 112 | 89 |
| 26 | 104 | 222 | 203 | 173 | 167 | 230 | 219 | 17 | 25 | 292 | 241 | 237 | 237 | 251 | 253 | 247 | 239 | 245 | 241 | 215 | 205 | 212 | 230 | 205 |
| 27 | 206 | 219 | 220 | 252 | 227 | 196 | 50 | 15 | 229 | 230 | 244 | 265 | 261 | 245 | 242 | 238 | 235 | 231 | 236 | 220 | 216 | 210 | 253 | 15 |
| 28 | 262 | 19 | 44 | 37 | 34 | 295 | 335 | 52 | 223 | 231 | 238 | 239 | 242 | 247 | 232 | 228 | 233 | 276 | 279 | 249 | 233 | 227 | 231 | 245 |
| 29 | 222 | 147 | 167 | 217 | 261 | 234 | 150 | 68 | 347 | 360 | 332 | 260 | 249 | 253 | 249 | 258 | 249 | 237 | 229 | 301 | 351 | 18 | 6 | 347 |
| 30 | 116 | 233 | 212 | 221 | 247 | 252 | 230 | 213 | 206 | 241 | 266 | 261 | 256 | 234 | 226 | 239 | 235 | 228 | 229 | 232 | 336 | 225 | 240 | 248 |
| 31 | 233 | 272 | 249 | 256 | 228 | 224 | 223 | 44 | 41 | 35 | 243 | 252 | 258 | 255 | 236 | 240 | 240 | 228 | 220 | 212 | 69 | 180 | 213 | 214 |

OZONE TRANSPORT CORRIDORS STUDY
SITE NAME : Quartzite Mountain
ELEVATION : 4482 feet
PARAMETER : Wind Direction

LATITUDE : 34 degrees 36 minutes 38 seconds
LONGITUDE : 117 degrees 17 minutes 20 seconds

T & B SYSTEMS, INC.
MONTH : August
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 | 215 | 215 | 217 | 220 | 223 | 221 | 222 | 233 | 234 | 269 | 297 | 337 | 202 | 178 | 181 | 185 | 185 | 189 | 193 | 199 | 209 | 222 | 218 | 221 |
| 2 | 219 | 220 | 218 | 219 | 219 | 216 | 217 | 217 | 242 | 228 | 223 | 212 | 196 | 185 | 185 | 184 | 185 | 186 | 188 | 186 | 192 | 199 | 208 | 207 |
| 3 | 206 | 200 | 204 | 204 | 214 | 213 | 203 | 193 | 182 | 181 | 185 | 182 | 185 | 186 | 186 | 185 | 186 | 186 | 185 | 188 | 186 | 187 | 205 | 193 |
| 4 | 187 | 185 | 184 | 186 | 186 | 188 | 187 | 186 | 187 | 186 | 186 | 185 | 186 | 185 | 187 | 186 | 186 | 186 | 189 | 189 | 191 | 193 | 205 | 210 |
| 5 | 207 | 193 | 190 | 191 | 188 | 187 | 189 | 187 | 183 | 190 | 208 | 214 | 208 | 216 | 205 | 193 | 201 | 201 | 185 | 190 | 194 | 199 | 195 | 194 |
| 6 | 195 | 214 | 265 | 216 | 198 | 192 | 193 | 195 | 213 | 249 | 263 | 250 | 250 | 260 | 186 | 207 | 189 | 210 | 189 | 214 | 236 | 222 | 225 | 211 |
| 7 | 206 | 217 | 213 | 223 | 263 | 276 | 251 | 203 | 194 | 215 | 217 | 222 | 208 | 236 | 224 | 204 | 230 | 225 | 266 | 233 | 284 | 242 | 247 | 246 |
| 8 | 223 | 261 | 234 | 253 | 252 | 195 | 185 | 182 | 192 | 259 | 312 | 238 | 192 | 191 | 183 | 185 | 186 | 184 | 185 | 197 | 189 | 190 | 206 | 200 |
| 9 | 196 | 190 | 185 | 187 | 189 | 190 | 189 | 178 | 185 | 184 | 183 | 186 | 185 | 185 | 186 | 184 | 186 | 186 | 187 | 188 | 188 | 189 | 178 | 178 |
| 10 | 186 | 183 | 184 | 186 | 205 | 197 | 186 | 187 | 197 | 218 | 233 | 224 | 215 | 184 | 184 | 216 | 206 | 187 | 188 | 196 | 201 | 219 | 226 | 211 |
| 11 | 222 | 227 | 198 | 197 | 180 | 185 | 184 | 183 | 188 | 184 | 185 | 185 | 186 | 183 | 185 | 186 | 186 | 185 | 187 | 187 | 185 | 179 | 179 | 184 |
| 12 | 185 | 184 | 187 | 185 | 178 | 175 | 164 | 168 | 178 | 184 | 184 | 185 | 185 | 185 | 184 | 186 | 184 | 185 | 192 | 201 | 186 | 198 | 205 | 202 |
| 13 | 212 | 264 | 227 | 224 | 240 | 219 | 210 | 233 | 308 | 309 | 230 | 172 | 186 | 184 | 186 | 184 | 184 | 183 | 197 | 215 | 218 | 212 | 204 | 215 |
| 14 | 218 | 218 | 213 | 217 | 217 | 222 | 226 | 233 | 263 | 221 | 191 | 182 | 183 | 186 | 184 | 186 | 185 | 185 | 186 | 187 | 191 | 190 | 191 | 191 |
| 15 | 189 | 187 | 191 | 190 | 187 | 182 | 173 | 170 | 177 | 185 | 185 | 186 | 187 | 185 | 185 | 186 | 184 | 185 | 185 | 186 | 194 | 201 | 192 | 187 |
| 16 | 187 | 206 | 194 | 178 | 178 | 183 | 186 | 183 | 184 | 187 | 186 | 187 | 185 | 185 | 184 | 188 | 188 | 198 | 206 | 198 | 199 | 219 | 206 | 205 |
| 17 | 213 | 218 | 216 | 210 | 211 | 219 | 217 | 219 | 223 | 217 | 210 | 200 | 192 | 195 | 202 | 182 | 214 | 221 | 218 | 220 | 209 | 208 | 213 | 216 |
| 18 | 207 | 221 | 221 | 240 | 264 | 233 | 233 | 299 | 258 | 256 | 299 | 346 | 335 | 336 | 201 | 194 | 201 | 186 | 187 | 186 | 197 | 223 | 213 | 214 |
| 19 | 227 | 228 | 279 | 238 | 74 | 63 | 55 | 35 | 178 | 179 | 165 | 168 | 181 | 183 | 191 | 189 | 186 | 186 | 186 | 182 | 185 | 181 | 182 | 182 |
| 20 | 167 | 135 | 133 | 93 | 89 | 119 | 154 | 156 | 154 | 174 | 167 | 153 | 109 | 90 | 88 | 148 | 184 | 162 | 165 | 183 | 181 | 190 | 217 | 191 |
| 21 | 54 | 32 | 64 | 135 | 162 | 168 | 153 | 173 | 213 | 190 | 225 | 213 | 57 | 65 | 105 | 167 | 156 | 160 | 183 | 188 | 190 | 221 | 288 | 225 |
| 22 | 234 | 237 | 281 | 304 | 10 | 123 | 115 | 66 | 89 | 148 | 163 | 149 | 181 | 170 | 184 | 187 | 187 | 186 | 196 | 196 | 189 | 198 | 281 | 287 |
| 23 | 259 | 179 | 201 | 190 | 182 | 183 | 173 | 170 | 185 | 186 | 186 | 186 | 186 | 184 | 186 | 185 | 185 | 186 | 199 | 201 | 208 | 202 | 197 | 197 |
| 24 | 203 | 211 | 230 | 225 | 227 | 229 | 184 | 175 | 181 | 182 | 186 | 186 | 183 | 185 | 185 | 184 | 183 | 186 | 184 | 183 | 184 | 185 | 195 | 209 |
| 25 | 208 | 221 | 214 | 217 | 224 | 219 | 234 | 241 | 217 | 190 | 190 | 184 | 183 | 185 | 186 | 185 | 186 | 185 | 186 | 191 | 188 | 188 | 186 | 185 |
| 26 | 186 | 189 | 192 | 190 | 189 | 188 | 189 | 184 | 184 | 183 | 184 | 212 | 211 | 203 | 247 | 198 | 203 | 186 | 187 | 189 | 188 | 186 | 186 | 185 |
| 27 | 189 | 191 | 187 | 188 | 190 | 189 | 189 | 185 | 183 | 182 | 179 | 183 | 184 | 184 | 185 | 184 | 185 | 185 | 188 | 198 | 187 | 192 | 197 | 196 |
| 28 | 183 | 186 | 189 | 186 | 187 | 183 | 185 | 182 | 176 | 257 | 277 | 193 | 190 | 184 | 186 | 185 | 193 | 254 | 235 | 226 | 234 | 259 | 256 | 238 |
| 29 | 223 | 269 | 268 | 263 | 285 | 292 | 283 | 254 | 231 | 285 | 344 | 327 | 226 | 213 | 191 | 183 | 185 | 241 | 201 | 196 | 232 | 230 | 242 | 220 |
| 30 | 210 | 196 | 226 | 231 | 222 | 246 | 213 | 205 | 248 | 291 | 316 | 206 | 175 | 184 | 183 | 184 | 185 | 186 | 194 | 199 | 242 | 224 | 237 | 222 |
| 31 | 222 | 248 | 265 | 253 | 154 | 184 | 169 | 177 | 179 | 187 | 316 | 339 | 197 | 178 | 189 | 184 | 186 | 231 | 288 | 236 | 237 | 269 | 272 | 254 |

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 : August

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 | 256 | 260 | 254 | 257 | 269 | 270 | 275 | 279 | 285 | 279 | 290 | 296 | 278 | 212 | 194 | 249 | 265 | 264 | 259 | 252 | 255 | 262 | 266 | 262 |
| 2 | 261 | 258 | 255 | 259 | 263 | 264 | 269 | 276 | 281 | 277 | 273 | 266 | 264 | 245 | 270 | 264 | 270 | 265 | 258 | 256 | 258 | 255 | 260 | 260 |
| 3 | 249 | 255 | 251 | 254 | 261 | 261 | 265 | 248 | 241 | 251 | 259 | 260 | 257 | 253 | 260 | 252 | 246 | 252 | 259 | 251 | 251 | 254 | 249 | 240 |
| 4 | 209 | 243 | 246 | 244 | 247 | 247 | 230 | 229 | 225 | 238 | 240 | 260 | 223 | 250 | 247 | 260 | 262 | 255 | 249 | 247 | 247 | 251 | 252 | 253 |
| 5 | 250 | 248 | 247 | 246 | 247 | 251 | 248 | 256 | 259 | 256 | 259 | 258 | 266 | 268 | 270 | 270 | 263 | 252 | 253 | 254 | 253 | 259 | 262 | 263 |
| 6 | 276 | 276 | 268 | 274 | 265 | 270 | 269 | 262 | 252 | 254 | 267 | 281 | 274 | 268 | 272 | 274 | 267 | 269 | 267 | 267 | 271 | 275 | 271 | 260 |
| 7 | 249 | 251 | 269 | 276 | 274 | 271 | 253 | 246 | 251 | 269 | 272 | 259 | 261 | 272 | 267 | 259 | 270 | 275 | 273 | 283 | 279 | 283 | 282 | 279 |
| 8 | 278 | 284 | 280 | 244 | 266 | 254 | 240 | 235 | 228 | 267 | 275 | 288 | 256 | 250 | 247 | 269 | 274 | 268 | 264 | 262 | 261 | 246 | 253 | 264 |
| 9 | 256 | 255 | 260 | 260 | 265 | 268 | 264 | 253 | 217 | 164 | 203 | 246 | 250 | 275 | 245 | 279 | 274 | 264 | 260 | 255 | 265 | 253 | 249 | 261 |
| 10 | 252 | 265 | 281 | 285 | 281 | 248 | 233 | 255 | 265 | 262 | 271 | 276 | 274 | 263 | 264 | 268 | 272 | 270 | 272 | 271 | 276 | 282 | 278 | 278 |
| 11 | 278 | 280 | 282 | 287 | 267 | 229 | 232 | 199 | 260 | 242 | 269 | 240 | 239 | 242 | 249 | 254 | 249 | 251 | 254 | 264 | 267 | 262 | 221 | 209 |
| 12 | 242 | 263 | 277 | 278 | 123 | 94 | 93 | 98 | 57 | 65 | 109 | 8 | 301 | 253 | 265 | 276 | 267 | 272 | 267 | 268 | 263 | 271 | 272 | 276 |
| 13 | 261 | 253 | 263 | 274 | 275 | 279 | 280 | 275 | 286 | 257 | 270 | 265 | 250 | 226 | 268 | 264 | 264 | 262 | 274 | 271 | 256 | 257 | 259 | 252 |
| 14 | 261 | 258 | 263 | 270 | 272 | 270 | 270 | 276 | 275 | 262 | 239 | 249 | 249 | 247 | 270 | 270 | 270 | 265 | 264 | 263 | 264 | 260 | 252 | 253 |
| 15 | 258 | 258 | 243 | 256 | 265 | 272 | 59 | 28 | 51 | 49 | 44 | 4 | 247 | 237 | 262 | 266 | 266 | 258 | 265 | 267 | 267 | 260 | 256 | 256 |
| 16 | 234 | 239 | 231 | 237 | 238 | 213 | 230 | 250 | 259 | 260 | 268 | 267 | 270 | 271 | 260 | 260 | 261 | 263 | 260 | 258 | 253 | 262 | 258 | 262 |
| 17 | 265 | 267 | 268 | 265 | 267 | 267 | 269 | 271 | 277 | 268 | 259 | 261 | 259 | 261 | 270 | 274 | 271 | 278 | 282 | 273 | 270 | 269 | 267 | 51 |
| 18 | 51 | 70 | 73 | 70 | 67 | 55 | 60 | 44 | 288 | 307 | 35 | 47 | 49 | 56 | 47 | 70 | 38 | 41 | 29 | 262 | 274 | 282 | 279 | 271 |
| 19 | 285 | 291 | 308 | 354 | 30 | 41 | 46 | 73 | 37 | 127 | 121 | 111 | 136 | 155 | 158 | 146 | 147 | 149 | 194 | 284 | 349 | 20 | 18 | 8 |
| 20 | 7 | 11 | 8 | 8 | 8 | 6 | 4 | 20 | 113 | 109 | 62 | 60 | 38 | 46 | 38 | 16 | 103 | 107 | 115 | 138 | 158 | 138 | 65 | 294 |
| 21 | 316 | 328 | 9 | 41 | 57 | 96 | 92 | 85 | 132 | 157 | 134 | 119 | 98 | 78 | 75 | 43 | 172 | 142 | 157 | 321 | 290 | 292 | 266 | 256 |
| 22 | 282 | 317 | 295 | 317 | 337 | 11 | 108 | 67 | 66 | 102 | 120 | 135 | 109 | 122 | 157 | 200 | 282 | 281 | 270 | 276 | 283 | 277 | 274 | 276 |
| 23 | 265 | 265 | 258 | 264 | 270 | 269 | 277 | 276 | 299 | 286 | 183 | 201 | 206 | 252 | 278 | 267 | 269 | 267 | 260 | 254 | 250 | 248 | 243 | 256 |
| 24 | 259 | 253 | 267 | 270 | 280 | 288 | 294 | 259 | 125 | 148 | 166 | 209 | 236 | 238 | 252 | 235 | 245 | 245 | 231 | 241 | 265 | 275 | 262 | 260 |
| 25 | 264 | 269 | 266 | 272 | 277 | 280 | 279 | 275 | 263 | 260 | 242 | 244 | 256 | 267 | 270 | 272 | 271 | 270 | 265 | 263 | 270 | 268 | 266 | 251 |
| 26 | 248 | 251 | 268 | 277 | 269 | 254 | 247 | 218 | 216 | 242 | 263 | 260 | 269 | 269 | 269 | 269 | 266 | 267 | 258 | 247 | 236 | 227 | 229 | 242 |
| 27 | 269 | 281 | 272 | 263 | 257 | 256 | 259 | 240 | 226 | 228 | 253 | 245 | 252 | 251 | 260 | 270 | 267 | 264 | 263 | 257 | 252 | 250 | 251 | 260 |
| 28 | 271 | 273 | 273 | 274 | 263 | 256 | 242 | 228 | 229 | 263 | 267 | 260 | 260 | 266 | 277 | 269 | 276 | 279 | 286 | 294 | 288 | 283 | 275 | 259 |
| 29 | 267 | 279 | 276 | 267 | 285 | 287 | 296 | 268 | 257 | 275 | 291 | 278 | 262 | 262 | 262 | 263 | 277 | 272 | 276 | 284 | 283 | 281 | 275 | 272 |
| 30 | 274 | 272 | 260 | 258 | 255 | 258 | 254 | 258 | 264 | 267 | 263 | 274 | 272 | 255 | 267 | 268 | 269 | 265 | 267 | 271 | 273 | 263 | 252 | 256 |
| 31 | 251 | 258 | 260 | 251 | 251 | 233 | 223 | 221 | 281 | 277 | 260 | 253 | 249 | 238 | 261 | 269 | 270 | 271 | 269 | 276 | 276 | 268 | 257 | 254 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Baldy Mesa

LATITUDE : 34 degrees 23 minutes 20 seconds

MONTH : August

ELEVATION : 4250 feet

LONGITUDE : 117 degrees 26 minutes 33 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 | 4.8 | 4.1 | 4.4 | 4.4 | 4.1 | 24.0 | 19.2 | 35.6 | 60.0 | 24.8 | 14.3 | 11.6 | 13.1 | 11.6 | 13.2 | 11.4 | 8.8 | 9.7 | 7.4 | 7.3 | 8.5 | 8.6 | 7.7 | 7.1 |
| 2 | 7.0 | 7.1 | 6.9 | 7.5 | 6.9 | 8.2 | 7.8 | 9.9 | 14.1 | 15.0 | 14.2 | 12.3 | 11.7 | 11.9 | 11.7 | 10.1 | 10.2 | 8.7 | 8.2 | 8.5 | 7.6 | 7.4 | 8.0 | 7.5 |
| 3 | 7.3 | 7.9 | 7.8 | 7.6 | 7.3 | 7.8 | 8.9 | 9.5 | 10.9 | 10.0 | 12.0 | 12.6 | 12.8 | 11.6 | 10.6 | 9.9 | 8.9 | 8.3 | 9.0 | 7.5 | 6.6 | 6.4 | 6.5 | 6.4 |
| 4 | 6.0 | 7.0 | 7.5 | 6.6 | 6.8 | 7.4 | 10.2 | 10.7 | 11.9 | 13.0 | 12.4 | 11.5 | 12.3 | 12.0 | 11.9 | 11.0 | 11.1 | 9.9 | 8.9 | 8.1 | 8.0 | 8.3 | 7.5 | 7.7 |
| 5 | 7.0 | 8.0 | 8.6 | 9.4 | 8.8 | 8.1 | 8.9 | 10.6 | 11.2 | 14.3 | 14.5 | 12.1 | 12.7 | 11.3 | 11.1 | 11.4 | 10.2 | 8.3 | 8.6 | 8.9 | 8.0 | 7.5 | 7.9 | 8.1 |
| 6 | 7.4 | 7.4 | 8.7 | 8.8 | 7.9 | 8.2 | 9.6 | 11.2 | 17.9 | 18.0 | 24.7 | 19.8 | 13.4 | 13.6 | 11.2 | 12.2 | 9.4 | 8.7 | 8.3 | 19.7 | 8.4 | 6.4 | 14.3 | 29.5 |
| 7 | 6.7 | 5.4 | 6.7 | 5.6 | 6.1 | 7.2 | 22.2 | 22.4 | 24.5 | 32.4 | 16.3 | 16.0 | 14.3 | 12.7 | 11.2 | 13.1 | 10.5 | 8.7 | 7.7 | 20.0 | 12.7 | 12.2 | 7.7 | 26.2 |
| 8 | 5.8 | 5.6 | 31.0 | 9.6 | 6.7 | 6.0 | 10.6 | 14.8 | 23.0 | 23.1 | 15.8 | 15.2 | 16.0 | 12.9 | 12.0 | 10.6 | 11.3 | 8.9 | 8.0 | 5.3 | 5.4 | 6.0 | 7.8 | 7.7 |
| 9 | 7.2 | 7.7 | 8.1 | 8.8 | 8.5 | 8.4 | 8.7 | 9.0 | 9.7 | 11.0 | 16.8 | 15.1 | 12.4 | 13.5 | 11.9 | 13.1 | 11.2 | 9.9 | 7.9 | 5.5 | 5.7 | 5.8 | 6.6 | 6.9 |
| 10 | 8.1 | 7.3 | 7.0 | 7.5 | 7.4 | 6.5 | 7.5 | 7.8 | 8.5 | 11.0 | 10.7 | 10.7 | 11.2 | 12.0 | 10.4 | 10.7 | 8.9 | 8.0 | 7.8 | 7.1 | 6.8 | 8.0 | 9.2 | 7.3 |
| 11 | 5.9 | 6.7 | 7.3 | 7.0 | 7.7 | 8.1 | 9.2 | 10.8 | 11.6 | 12.8 | 13.0 | 11.9 | 14.1 | 14.0 | 17.5 | 14.5 | 12.4 | 10.9 | 10.6 | 8.0 | 8.1 | 7.7 | 7.5 | 6.5 |
| 12 | 7.8 | 6.1 | 6.0 | 6.6 | 6.8 | 7.5 | 8.4 | 11.2 | 13.3 | 10.9 | 12.8 | 13.5 | 11.8 | 12.3 | 11.6 | 10.5 | 9.8 | 8.9 | 7.8 | 8.2 | 7.6 | 7.9 | 9.9 | 8.7 |
| 13 | 8.3 | 8.4 | 6.1 | 4.9 | 15.5 | 41.0 | 17.0 | 34.0 | 32.6 | 18.4 | 13.1 | 13.8 | 13.1 | 12.0 | 10.5 | 9.8 | 9.6 | 9.0 | 8.3 | 10.3 | 9.0 | 8.9 | 8.8 | 8.0 |
| 14 | 6.3 | 6.7 | 6.5 | 8.3 | 8.2 | 8.1 | 9.1 | 10.4 | 13.3 | 12.0 | 12.5 | 11.8 | 12.2 | 10.6 | 10.9 | 10.3 | 10.0 | 9.4 | 8.1 | 8.3 | 8.1 | 7.3 | 7.6 | 7.7 |
| 15 | 7.6 | 7.7 | 8.1 | 7.3 | 7.3 | 7.8 | 8.3 | 9.1 | 10.6 | 11.3 | 12.3 | 11.6 | 10.9 | 11.9 | 11.1 | 11.3 | 9.9 | 8.9 | 8.8 | 8.3 | 7.6 | 7.6 | 7.0 | 8.6 |
| 16 | 8.9 | 8.1 | 9.1 | 7.8 | 8.3 | 7.6 | 8.8 | 9.1 | 10.4 | 10.2 | 11.0 | 9.9 | 10.1 | 10.5 | 10.5 | 10.1 | 9.6 | 9.9 | 9.3 | 9.5 | 10.3 | 11.1 | 8.7 | 8.1 |
| 17 | 8.1 | 8.2 | 7.9 | 7.8 | 8.3 | 8.1 | 8.7 | 9.9 | 10.5 | 11.8 | 12.9 | 13.4 | 11.3 | 11.5 | 11.5 | 10.0 | 8.9 | 9.4 | 10.2 | 9.4 | 9.6 | 9.1 | 9.7 | 9.6 |
| 18 | 8.3 | 9.6 | 8.3 | 8.0 | 9.4 | 8.6 | 9.7 | 13.9 | 31.9 | 71.2 | 41.0 | 32.6 | 23.2 | 18.1 | 17.4 | 14.4 | 10.8 | 9.4 | 8.2 | 7.4 | 7.2 | 8.6 | 7.8 | 6.6 |
| 19 | 6.3 | 7.7 | 9.5 | 20.3 | 16.7 | 28.9 | 23.6 | 23.3 | 20.8 | 17.8 | 17.6 | 18.2 | 16.9 | 15.4 | 17.2 | 13.2 | 9.7 | 9.7 | 8.3 | 8.1 | 7.8 | 8.1 | 7.4 | 7.4 |
| 20 | 8.5 | 9.8 | 7.6 | 7.5 | 6.8 | 7.7 | 9.6 | 13.9 | 13.5 | 13.5 | 13.9 | 14.5 | 17.2 | 21.6 | 15.0 | 29.7 | 16.2 | 19.3 | 13.9 | 8.8 | 7.5 | 8.1 | 20.4 | 10.2 |
| 21 | 9.3 | 8.2 | 16.2 | 14.1 | 5.0 | 6.4 | 8.1 | 11.0 | 19.5 | 13.5 | 23.4 | 32.0 | 35.4 | 26.2 | 14.6 | 18.4 | 12.1 | 9.8 | 10.5 | 10.3 | 8.9 | 8.8 | 7.9 | 7.3 |
| 22 | 10.0 | 27.9 | 16.9 | 5.5 | 6.1 | 40.3 | 21.8 | 37.8 | 46.6 | 34.0 | 52.2 | 19.9 | 14.5 | 15.6 | 17.4 | 13.4 | 11.7 | 9.7 | 8.7 | 9.0 | 8.6 | 9.1 | 9.6 | 8.2 |
| 23 | 8.8 | 21.0 | 8.1 | 7.7 | 7.0 | 6.7 | 9.2 | 12.9 | 16.5 | 11.7 | 11.8 | 13.7 | 14.2 | 15.5 | 14.2 | 16.0 | 13.4 | 12.1 | 8.0 | 6.1 | 9.2 | 6.9 | 7.0 | 7.7 |
| 24 | 7.7 | 9.5 | 10.5 | 61.5 | 10.7 | 7.9 | 8.1 | 8.8 | 12.0 | 12.5 | 14.2 | 14.7 | 15.7 | 12.6 | 13.1 | 11.9 | 10.6 | 9.9 | 8.9 | 7.6 | 7.8 | 9.5 | 11.2 | 8.8 |
| 25 | 6.9 | 6.4 | 6.6 | 6.7 | 8.4 | 14.1 | 38.0 | 17.4 | 13.9 | 11.5 | 14.8 | 13.1 | 11.7 | 12.7 | 11.9 | 9.7 | 10.6 | 9.6 | 8.5 | 7.3 | 7.6 | 8.9 | 8.8 | 7.5 |
| 26 | 9.0 | 8.9 | 7.9 | 7.6 | 7.8 | 8.7 | 8.4 | 10.1 | 11.8 | 11.2 | 11.1 | 11.9 | 14.6 | 18.2 | 17.1 | 19.4 | 11.9 | 9.6 | 8.2 | 7.8 | 6.6 | 6.2 | 7.6 | 6.8 |
| 27 | 8.0 | 7.1 | 7.3 | 8.0 | 8.2 | 8.6 | 9.2 | 11.0 | 11.1 | 13.3 | 13.4 | 15.3 | 13.9 | 13.5 | 12.1 | 13.0 | 10.8 | 10.1 | 8.2 | 7.4 | 7.0 | 6.3 | 6.4 | 6.0 |
| 28 | 6.3 | 6.8 | 7.9 | 8.2 | 7.8 | 8.1 | 9.5 | 11.5 | 12.5 | 19.8 | 20.9 | 16.3 | 13.1 | 12.9 | 11.7 | 11.1 | 11.2 | 9.1 | 9.1 | 52.0 | 40.3 | 17.7 | 5.2 | 5.1 |
| 29 | 9.9 | 6.8 | 5.1 | 14.4 | 19.9 | 10.9 | 41.7 | 26.2 | 42.9 | 28.3 | 24.1 | 21.5 | 20.2 | 16.6 | 14.1 | 10.8 | 10.9 | 9.2 | 7.5 | 7.9 | 7.9 | 7.2 | 7.3 | 7.4 |
| 30 | 8.3 | 8.5 | 8.7 | 7.3 | 6.0 | 7.5 | 9.8 | 11.1 | 12.8 | 15.6 | 16.4 | 15.1 | 13.0 | 13.1 | 10.8 | 10.5 | 10.5 | 9.8 | 9.1 | 8.5 | 7.3 | 55.5 | 35.7 | 7.4 |
| 31 | 6.8 | 6.2 | 7.0 | 39.9 | 7.4 | 6.9 | 8.3 | 11.3 | 16.3 | 20.9 | 16.7 | 17.6 | 16.7 | 16.7 | 16.0 | 12.9 | 10.7 | 11.6 | 8.1 | 33.1 | 9.3 | 9.6 | 10.9 | 14.3 |
| AVG. | 7.6 | 8.5 | 8.9 | 11.0 | 8.4 | 11.3 | 12.8 | 14.7 | 18.6 | 17.9 | 17.1 | 15.5 | 14.6 | 14.0 | 12.9 | 12.7 | 10.7 | 9.8 | 8.7 | 11.0 | 9.1 | 9.9 | 9.5 | 9.1 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Boron

ELEVATION : 2460 feet

PARAMETER : Standard Deviation of Wind Direction (Sigma Theta)

LATITUDE : 35 degrees 01 minutes 00 seconds

LONGITUDE : 117 degrees 39 minutes 00 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 13.4 | 15.5 | 23.8 | 31.4 | 19.6 | 11.8 | 21.1 | 19.0 | 20.6 | 26.4 | 61.2 | 67.7 | 51.7 | 57.5 | 49.7 | 27.2 | 22.2 | 15.1 | 15.7 | 13.8 | 13.4 | 13.9 | 14.7 | 14.1 |
| 2 | 14.5 | 13.2 | 16.4 | 14.5 | 13.4 | 16.5 | 16.5 | 18.1 | 20.7 | 29.8 | 30.2 | 55.8 | 31.1 | 30.4 | 29.0 | 20.5 | 16.7 | 14.1 | 13.8 | 13.1 | 13.4 | 13.4 | 12.5 | 13.1 |
| 3 | 13.6 | 12.7 | 12.5 | 12.8 | 15.0 | 17.5 | 16.1 | 15.7 | 19.6 | 18.5 | 18.3 | 22.0 | 20.4 | 17.0 | 19.2 | 16.3 | 16.0 | 15.9 | 14.9 | 15.6 | 17.8 | 17.4 | 16.6 | 15.8 |
| 4 | 18.8 | 45.8 | 26.5 | 14.4 | 15.9 | 50.9 | 38.5 | 28.4 | 21.2 | 19.5 | 27.8 | 26.1 | 24.8 | 26.7 | 22.7 | 19.8 | 16.3 | 15.2 | 14.3 | 13.5 | 12.9 | 13.6 | 14.6 | 13.9 |
| 5 | 12.7 | 13.8 | 13.3 | 13.4 | 13.2 | 14.4 | 17.3 | 16.6 | 14.5 | 14.6 | 18.3 | 21.3 | 20.6 | 19.8 | 19.1 | 16.9 | 16.2 | 15.0 | 15.0 | 13.3 | 13.9 | 13.5 | 13.3 | 13.1 |
| 6 | 13.6 | 15.5 | 15.7 | 13.5 | 39.5 | 24.5 | 19.1 | 19.0 | 17.2 | 17.4 | 18.1 | 18.9 | 24.3 | 21.7 | 20.9 | 17.8 | 17.9 | 16.1 | 15.5 | 13.3 | 12.9 | 13.1 | 15.4 | 18.2 |
| 7 | 23.2 | 26.4 | 10.5 | 19.8 | 28.8 | 26.8 | 23.4 | 27.4 | 21.0 | 22.6 | 22.2 | 23.0 | 20.4 | 22.4 | 19.9 | 17.7 | 18.0 | 13.3 | 9.3 | 8.1 | 15.3 | 13.1 | 15.8 | 15.1 |
| 8 | 16.7 | 13.4 | 30.3 | 28.2 | 39.2 | 18.9 | 30.6 | 27.7 | 26.3 | 41.1 | 23.3 | 28.9 | 35.4 | 30.0 | 23.9 | 21.7 | 18.5 | 17.2 | 17.7 | 16.9 | 17.8 | 14.7 | 18.0 | 9.5 |
| 9 | 14.6 | 10.1 | 14.3 | 20.6 | 24.2 | 15.4 | 18.4 | 29.8 | 19.9 | 19.8 | 25.4 | 32.4 | 22.2 | 17.8 | 18.5 | 18.8 | 17.9 | 17.1 | 17.5 | 15.8 | 14.7 | 37.5 | 26.9 | 13.1 |
| 10 | 12.9 | 41.9 | 30.7 | 47.9 | 17.6 | 14.9 | 35.1 | 23.2 | 20.3 | 23.3 | 19.6 | 21.8 | 24.7 | 24.3 | 20.4 | 15.7 | 13.9 | 11.0 | 10.2 | 16.5 | 16.7 | 18.8 | 14.4 | 48.6 |
| 11 | 48.0 | 37.0 | 41.1 | 15.3 | 24.4 | 25.2 | 21.1 | 53.7 | 23.8 | 22.6 | 22.4 | 21.5 | 24.7 | 19.7 | 20.1 | 18.8 | 18.4 | 18.1 | 17.6 | 16.2 | 12.7 | 14.3 | 18.0 | 17.5 |
| 12 | 34.8 | 30.1 | 58.2 | 35.9 | 15.9 | 13.0 | 14.3 | 36.9 | 39.0 | 59.9 | 68.6 | 54.1 | 26.6 | 31.4 | 22.6 | 18.8 | 18.1 | 16.8 | 16.2 | 17.3 | 14.8 | 18.0 | 13.4 | 14.8 |
| 13 | 13.4 | 15.6 | 19.6 | 14.3 | 15.8 | 11.6 | 13.0 | 16.4 | 18.3 | 22.7 | 22.9 | 21.2 | 27.9 | 20.5 | 19.0 | 18.8 | 17.4 | 17.4 | 15.9 | 13.4 | 14.1 | 14.7 | 12.8 | 13.3 |
| 14 | 12.8 | 13.6 | 15.6 | 17.1 | 14.2 | 40.5 | 21.9 | 20.6 | 20.3 | 18.6 | 21.7 | 26.7 | 23.6 | 22.3 | 20.0 | 19.7 | 17.0 | 15.1 | 16.1 | 14.5 | 14.1 | 14.4 | 13.9 | 15.0 |
| 15 | 13.5 | 12.3 | 12.8 | 14.2 | 16.0 | 52.6 | 13.6 | 28.0 | 23.7 | 21.6 | 22.3 | 23.6 | 27.6 | 22.7 | 19.5 | 18.3 | 19.2 | 15.8 | 15.9 | 14.0 | 15.6 | 14.8 | 12.6 | 12.3 |
| 16 | 12.5 | 11.8 | 12.3 | 13.1 | 40.5 | 23.1 | 18.1 | 16.8 | 14.8 | 17.5 | 19.6 | 19.8 | 20.4 | 19.0 | 18.8 | 17.5 | 16.8 | 16.1 | 14.6 | 14.5 | 13.7 | 13.4 | 13.4 | 14.0 |
| 17 | 13.9 | 14.2 | 13.3 | 12.8 | 12.6 | 13.7 | 13.5 | 17.0 | 18.9 | 17.5 | 21.1 | 20.4 | 19.9 | 17.6 | 18.2 | 16.2 | 13.5 | 15.6 | 15.7 | 14.3 | 15.0 | 15.1 | 15.9 | 15.4 |
| 18 | 14.9 | 14.5 | 13.9 | 16.1 | 13.6 | 19.5 | 37.2 | 18.4 | 28.8 | 41.4 | 65.2 | 59.5 | 44.6 | 36.1 | 38.0 | 52.9 | 41.7 | 32.1 | 16.0 | 11.7 | 13.4 | 13.8 | 16.0 | 22.3 |
| 19 | 44.9 | 8.4 | 36.4 | 17.3 | 9.2 | 10.3 | 16.0 | 36.9 | 59.9 | 46.9 | 66.5 | 57.4 | 44.3 | 40.5 | 58.2 | 28.9 | 33.7 | 19.5 | 12.4 | 15.9 | 16.6 | 17.6 | 23.9 | 14.6 |
| 20 | 45.2 | 43.2 | 33.0 | 35.9 | 17.0 | 32.5 | 44.7 | 29.0 | 15.3 | 17.3 | 17.0 | 17.4 | 22.2 | 20.0 | 17.8 | 13.4 | 14.1 | 13.2 | 15.7 | 22.6 | 19.0 | 21.7 | 17.0 | 16.3 |
| 21 | 13.9 | 16.8 | 13.2 | 13.3 | 11.5 | 11.5 | 18.5 | 18.2 | 39.8 | 25.6 | 35.2 | 47.7 | 57.4 | 34.8 | 23.3 | 18.2 | 29.2 | 23.3 | 45.6 | 19.6 | 15.2 | 16.2 | 25.3 | 11.2 |
| 22 | 13.4 | 7.4 | 12.3 | 10.1 | 20.3 | 12.7 | 20.0 | 21.5 | 21.7 | 44.4 | 60.5 | 60.8 | 56.2 | 49.0 | 49.5 | 40.2 | 24.7 | 19.8 | 18.4 | 15.6 | 17.1 | 15.3 | 14.1 | 14.6 |
| 23 | 16.1 | 15.4 | 16.7 | 26.5 | 32.7 | 18.3 | 24.2 | 19.4 | 20.1 | 20.3 | 40.4 | 36.3 | 29.9 | 20.4 | 20.4 | 18.7 | 18.5 | 18.0 | 18.1 | 14.0 | 13.0 | 13.1 | 12.7 | 12.6 |
| 24 | 16.1 | 17.6 | 19.2 | 43.6 | 33.2 | 8.9 | 16.8 | 39.0 | 47.9 | 42.3 | 50.6 | 45.8 | 27.8 | 23.2 | 28.5 | 20.2 | 17.4 | 17.5 | 17.6 | 16.6 | 15.6 | 17.2 | 14.4 | 13.9 |
| 25 | 14.3 | 13.4 | 16.2 | 21.3 | 66.8 | 44.7 | 21.1 | 19.8 | 21.8 | 24.5 | 22.9 | 20.7 | 19.9 | 19.8 | 19.0 | 19.1 | 18.6 | 16.0 | 16.5 | 17.7 | 13.6 | 13.1 | 13.7 | 15.8 |
| 26 | 11.7 | 18.7 | 40.8 | 13.4 | 13.4 | 22.3 | 19.9 | 40.9 | 19.4 | 25.1 | 25.2 | 20.3 | 20.8 | 20.1 | 19.3 | 17.1 | 15.6 | 16.1 | 14.6 | 15.2 | 12.7 | 13.8 | 13.0 | 13.0 |
| 27 | 12.2 | 23.8 | 45.0 | 12.1 | 14.9 | 25.6 | 23.5 | 21.5 | 37.6 | 21.2 | 20.2 | 22.2 | 19.8 | 21.1 | 19.1 | 18.7 | 17.2 | 15.5 | 15.0 | 15.8 | 16.6 | 15.0 | 14.4 | 14.9 |
| 28 | 19.2 | 21.0 | 9.3 | 15.6 | 12.1 | 10.6 | 16.0 | 21.5 | 66.2 | 32.1 | 18.0 | 19.5 | 27.2 | 33.1 | 20.6 | 20.3 | 22.6 | 12.5 | 8.1 | 20.8 | 13.8 | 16.2 | 13.8 | 24.3 |
| 29 | 39.1 | 44.9 | 21.0 | 16.1 | 36.0 | 21.4 | 31.2 | 18.3 | 23.6 | 25.3 | 24.0 | 24.4 | 25.4 | 27.4 | 22.1 | 22.4 | 18.7 | 17.8 | 17.0 | 16.0 | 36.9 | 23.1 | 23.3 | 18.5 |
| 30 | 19.9 | 20.8 | 13.4 | 37.8 | 40.9 | 15.4 | 15.0 | 47.9 | 31.0 | 21.5 | 21.4 | 24.2 | 27.8 | 23.8 | 21.9 | 24.2 | 21.3 | 17.9 | 17.6 | 16.6 | 15.2 | 13.5 | 34.7 | 23.7 |
| 31 | 16.7 | 44.3 | 11.6 | 14.2 | 9.3 | 7.5 | 16.1 | 22.4 | 50.5 | 30.0 | 35.1 | 27.5 | 21.0 | 24.1 | 22.9 | 22.3 | 20.2 | 15.9 | 18.5 | 17.0 | 15.1 | 11.8 | 37.8 | 37.6 |
| AVG. | 19.4 | 21.1 | 21.6 | 20.4 | 22.5 | 21.0 | 21.7 | 25.5 | 27.2 | 26.8 | 31.1 | 31.9 | 28.7 | 26.3 | 24.6 | 21.2 | 19.6 | 16.8 | 16.4 | 15.5 | 15.6 | 16.0 | 17.3 | 17.1 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Catalina Airport

LATITUDE : 33 degrees 24 minutes 00 seconds

MONTH : August

ELEVATION : 1602 feet

LONGITUDE : 118 degrees 24 minutes 30 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 | 27.3 | 9.3 | 22.2 | 36.5 | 36.7 | 19.5 | 11.0 | 18.8 | 16.3 | 24.2 | 23.5 | 19.9 | 12.6 | 9.9 | 10.5 | 11.4 | 9.8 | 10.3 | 6.8 | 7.1 | 6.5 | 6.4 | 7.2 | 10.6 |
| 2 | 5.8 | 7.7 | 9.8 | 8.6 | 7.8 | 8.7 | 22.6 | 8.1 | 15.1 | 17.0 | [SC] | 16.2 | 11.3 | 12.1 | 12.3 | 14.5 | 8.1 | 6.1 | 4.9 | 5.9 | 8.8 | 8.4 | 9.8 | 11.6 |
| 3 | 6.2 | 6.8 | 30.5 | 11.4 | 25.3 | 32.4 | 43.5 | 27.0 | 28.8 | 65.7 | 22.2 | 37.0 | 20.0 | 18.2 | 12.3 | 23.3 | 9.0 | 8.6 | 7.8 | 9.3 | 35.9 | 16.4 | 35.7 | 7.6 |
| 4 | 8.8 | 7.9 | 8.9 | 23.0 | 10.9 | 40.8 | 25.5 | 30.6 | 40.0 | 26.6 | 18.4 | 17.0 | 26.7 | 15.9 | 19.0 | 11.4 | 11.7 | 9.6 | 8.1 | 5.6 | 5.9 | 21.2 | 21.7 | 23.3 |
| 5 | 28.2 | 16.0 | 6.9 | 8.5 | 12.4 | 6.3 | 24.4 | 16.0 | 57.4 | 40.0 | 36.0 | 16.1 | 10.6 | 11.8 | 9.3 | 12.2 | 10.6 | 8.5 | 7.6 | 7.0 | 6.0 | 6.4 | 6.3 | 6.6 |
| 6 | 7.6 | 5.7 | 6.5 | 7.5 | 6.9 | 7.6 | 10.3 | 11.9 | 14.6 | 17.5 | 16.5 | 10.2 | 7.9 | 10.9 | 12.6 | 12.3 | 9.2 | 16.0 | 8.7 | 7.5 | 7.2 | 6.2 | 7.0 | 7.1 |
| 7 | 6.1 | 7.6 | 6.1 | 5.4 | 7.1 | 8.9 | 20.5 | 36.9 | 26.8 | 39.9 | 22.2 | [SC] | [SC] | 14.1 | 12.7 | 12.4 | 10.2 | 13.9 | 9.1 | 7.2 | 6.6 | 9.2 | 9.7 | 12.1 |
| 8 | 8.3 | 8.3 | 7.4 | 9.4 | 7.7 | 7.9 | 19.7 | 20.3 | 26.6 | 25.7 | 33.9 | 14.9 | 11.9 | 9.5 | 9.1 | 10.8 | 11.1 | 13.4 | 17.7 | 8.7 | 7.9 | 8.2 | 11.8 | 40.2 |
| 9 | 33.0 | 51.6 | 11.9 | 6.2 | 10.4 | 9.5 | 17.1 | 11.9 | 23.2 | 48.0 | 15.0 | 19.4 | 51.5 | 9.4 | 12.5 | 9.1 | 7.3 | 8.4 | 9.1 | 11.1 | 7.3 | 11.5 | 8.2 | 9.7 |
| 10 | 18.6 | 14.0 | 52.5 | 17.3 | 8.3 | 9.9 | 13.2 | 53.2 | 33.5 | 27.8 | 19.8 | 14.4 | 14.2 | 13.4 | 12.8 | 12.1 | 14.5 | 14.7 | 10.8 | 10.5 | 10.3 | 10.5 | 6.9 | 8.9 |
| 11 | 19.1 | 22.7 | 23.7 | 14.0 | 10.2 | 16.8 | 14.1 | 13.2 | 37.8 | 21.5 | 18.8 | 25.0 | 19.7 | 10.1 | 8.3 | 8.0 | 8.8 | 7.8 | 7.3 | 6.7 | 7.1 | 7.6 | 9.1 | 6.9 |
| 12 | 4.3 | 7.0 | 8.8 | 7.8 | 13.6 | 8.6 | 18.9 | 50.8 | 20.4 | 20.0 | 31.0 | 16.6 | 11.8 | 10.3 | 10.1 | 7.3 | 10.7 | 9.5 | 4.9 | 4.7 | 4.8 | 6.9 | 10.9 | 5.5 |
| 13 | 13.5 | 7.5 | 11.5 | 12.1 | 5.8 | 29.3 | 19.4 | 24.0 | 17.0 | 17.9 | 13.8 | 11.5 | 9.4 | 10.4 | 8.8 | 9.3 | 9.6 | 11.6 | 11.7 | 10.4 | 7.3 | 8.9 | 15.6 | 21.8 |
| 14 | 41.8 | 27.2 | 13.3 | 17.5 | 28.8 | 10.8 | 69.1 | 11.8 | 27.1 | 35.7 | 42.5 | 35.3 | 15.8 | 15.1 | 15.1 | 8.7 | 7.2 | 11.7 | 4.6 | 28.8 | 14.6 | 8.9 | 7.3 | 8.6 |
| 15 | 14.7 | 20.6 | 25.1 | 16.6 | 33.8 | 14.7 | 19.0 | 33.3 | 41.5 | 23.6 | 19.6 | 18.1 | 17.6 | 14.3 | 13.2 | 12.7 | 12.2 | 10.5 | 27.8 | 31.5 | 14.1 | 10.2 | 4.9 | 9.2 |
| 16 | 7.9 | 11.6 | 13.0 | 36.0 | 18.6 | 60.3 | 34.0 | 58.3 | 38.7 | 59.4 | 24.4 | 26.0 | 13.8 | 14.9 | 10.7 | 8.8 | 9.0 | 9.2 | 7.7 | 7.9 | 9.6 | 18.1 | 9.0 | 9.5 |
| 17 | 11.7 | 11.3 | 21.8 | 13.4 | 13.1 | 17.5 | 18.2 | 51.3 | 49.2 | 38.3 | 29.9 | 19.7 | 15.9 | 10.6 | 10.9 | 8.7 | 9.0 | 11.7 | 9.5 | 7.3 | 9.7 | 9.1 | 14.4 | 9.3 |
| 18 | 8.2 | 6.1 | 9.4 | 13.5 | 12.4 | 12.2 | 15.7 | 42.5 | 56.5 | 51.8 | 26.9 | 26.2 | 15.5 | 11.9 | 8.7 | 8.3 | 7.4 | 6.0 | 9.4 | 7.0 | 8.3 | 7.9 | 7.7 | 6.6 |
| 19 | 6.9 | 9.2 | 7.8 | 10.6 | 11.0 | 13.1 | 58.7 | 51.0 | 34.7 | 40.5 | 25.6 | 9.9 | 10.0 | 14.0 | 10.7 | 10.5 | 11.5 | 18.6 | 23.5 | 9.6 | 13.4 | 12.0 | 27.2 | 30.7 |
| 20 | 24.6 | 31.5 | 26.9 | 23.8 | 26.7 | 21.5 | 15.5 | 26.1 | 38.8 | 50.1 | 12.0 | 13.5 | 11.1 | 10.2 | 13.3 | 11.5 | 12.9 | 6.9 | 12.2 | 8.6 | 5.8 | 14.9 | 17.0 | 15.6 |
| 21 | 17.5 | 38.7 | 13.5 | 38.2 | 14.7 | 13.9 | 18.5 | 58.1 | 43.3 | 41.9 | 11.9 | 10.4 | 11.4 | 10.1 | 9.1 | 13.0 | 10.1 | 7.6 | 9.0 | 9.6 | 10.0 | 16.0 | 19.7 | 16.6 |
| 22 | 28.1 | 14.9 | 6.9 | 9.4 | 6.1 | 4.5 | 9.9 | 13.0 | 37.8 | 20.8 | 11.4 | 8.9 | 8.7 | 8.3 | 6.9 | 7.2 | 7.4 | 8.5 | 9.0 | 8.5 | 10.2 | 7.5 | 11.7 | 13.8 |
| 23 | 15.8 | 8.9 | 15.5 | 52.5 | 46.2 | 21.4 | 47.3 | 50.2 | 18.8 | 13.8 | 23.9 | 29.9 | 20.2 | 12.6 | 13.7 | 16.4 | 10.2 | 5.9 | 4.8 | 5.8 | 22.4 | 21.9 | 25.9 | 41.2 |
| 24 | 17.6 | 11.8 | 11.6 | 7.1 | 8.8 | 8.9 | 12.7 | 17.2 | 15.8 | 25.1 | 22.0 | 14.9 | 15.9 | 14.6 | 13.1 | 13.7 | 9.3 | 10.9 | 9.0 | 8.4 | 5.8 | 8.9 | 7.1 | 6.7 |
| 25 | 6.2 | 7.1 | 6.9 | 6.1 | 8.5 | 6.6 | 6.6 | 13.0 | 16.0 | 24.4 | 17.2 | 13.0 | 11.3 | 9.0 | 10.6 | 12.2 | 11.4 | 7.3 | 4.9 | 4.6 | 5.4 | 5.1 | 5.9 | 11.2 |
| 26 | 7.3 | 17.0 | 7.5 | 35.3 | 12.5 | 15.2 | 14.6 | 15.9 | 24.9 | 20.2 | 20.1 | 10.8 | 11.1 | 9.9 | 10.5 | 10.9 | 8.5 | 6.9 | 5.7 | 5.2 | 5.5 | 6.3 | 9.5 | 6.8 |
| 27 | 5.9 | 10.2 | 40.9 | 14.5 | 11.8 | 32.8 | 36.1 | 12.9 | 28.6 | 12.6 | 16.6 | 16.8 | 13.3 | 9.1 | 8.8 | 8.3 | 8.5 | 8.1 | 7.4 | 6.1 | 7.2 | 30.4 | 5.6 | 6.3 |
| 28 | 8.5 | 10.3 | 9.6 | 9.2 | 8.6 | 2.6 | 6.7 | 46.9 | 22.2 | 19.8 | 16.7 | 17.1 | 20.4 | 14.5 | 8.1 | 10.5 | 8.9 | 7.8 | 7.5 | 7.6 | 6.5 | 5.5 | 5.4 | 4.9 |
| 29 | 5.5 | 6.1 | 6.7 | 6.1 | 5.0 | 5.0 | 9.9 | 41.2 | 21.9 | 34.8 | 19.7 | 20.5 | 18.5 | 17.4 | 13.8 | 10.1 | 8.2 | 8.7 | 8.0 | 6.9 | 7.1 | 7.8 | 10.5 | 5.7 |
| 30 | 6.3 | 8.6 | 7.7 | 7.9 | 7.5 | 7.8 | 15.7 | 18.0 | 13.0 | 39.6 | 20.5 | 10.9 | 10.8 | 8.5 | 9.0 | 14.0 | 9.0 | 6.4 | 7.7 | 8.1 | 6.9 | 7.8 | 6.5 | 6.6 |
| 31 | 4.7 | 3.3 | 10.9 | 4.3 | 5.5 | 6.0 | 10.7 | 8.2 | 9.4 | 16.8 | 18.3 | 18.5 | 11.8 | 9.3 | 9.1 | 8.6 | 8.1 | 7.3 | 7.7 | 9.5 | 5.6 | 6.3 | 6.7 | 7.1 |
| AVG. | 13.7 | 13.8 | 14.9 | 15.8 | 14.3 | 15.5 | 21.9 | 28.8 | 28.9 | 31.0 | 21.7 | 18.0 | 15.4 | 11.9 | 11.1 | 11.2 | 9.7 | 9.6 | 9.4 | 9.1 | 9.3 | 10.7 | 11.7 | 12.5 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Flash II Mountain

LATITUDE : 34 degrees 58 minutes 15 seconds

MONTH : August

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 | 7.8 | 8.9 | 8.3 | 5.8 | 5.2 | 4.2 | 10.4 | 16.4 | 22.5 | 29.2 | 27.2 | 17.2 | 41.7 | 47.3 | 42.6 | 31.0 | 25.3 | 10.6 | 9.2 | 8.5 | 12.2 | 12.2 | 11.2 | 10.9 |
| 2 | 9.3 | 7.7 | 5.8 | 9.4 | 9.8 | 14.4 | 21.7 | 16.8 | 14.6 | 24.4 | 21.6 | 24.6 | 31.5 | 25.8 | 24.6 | 14.6 | 14.3 | 10.1 | 10.7 | 8.3 | 8.1 | 7.3 | 8.0 | 10.8 |
| 3 | 10.8 | 8.2 | 8.7 | 11.2 | 10.9 | 7.8 | 9.5 | 11.6 | 17.4 | 20.0 | 17.4 | 19.9 | 14.8 | 17.9 | 21.5 | 13.1 | 13.2 | 7.1 | 8.9 | 9.4 | 8.6 | 12.1 | 12.2 | 10.6 |
| 4 | 10.3 | 10.2 | 7.5 | 10.2 | 10.9 | 16.0 | 13.8 | 16.1 | 25.2 | 20.5 | 25.7 | 19.0 | 16.4 | 16.4 | 14.7 | 14.7 | 11.0 | 11.0 | 9.6 | 8.8 | 8.6 | 9.2 | 8.3 | 8.7 |
| 5 | 8.4 | 7.6 | 9.0 | 9.0 | 9.8 | 11.1 | 11.4 | 13.0 | 21.1 | 16.9 | 15.4 | 11.1 | 10.3 | 11.6 | 11.2 | 9.7 | 12.2 | 12.2 | 10.0 | 14.0 | 15.2 | 16.8 | 9.0 | 10.4 |
| 6 | 10.9 | 10.2 | 8.9 | 7.6 | 6.9 | 9.7 | 7.2 | 11.5 | 19.6 | 28.7 | 17.7 | 21.9 | 32.2 | 26.2 | 15.1 | 14.6 | 16.5 | 18.1 | 17.9 | 16.6 | 14.1 | 19.7 | 14.6 | 11.0 |
| 7 | 9.0 | 21.5 | 22.5 | 19.3 | 24.3 | 18.7 | 14.2 | 20.8 | 9.2 | 15.1 | 20.2 | 16.9 | 13.6 | 13.3 | 11.8 | 11.9 | 13.1 | 18.4 | 15.8 | 26.7 | 28.1 | 14.1 | 10.9 | 17.5 |
| 8 | 11.8 | 12.5 | 21.6 | 22.4 | 22.8 | 22.4 | 21.7 | 19.2 | 26.5 | 31.0 | 32.9 | 39.8 | 45.3 | 34.9 | 44.7 | 36.2 | 21.6 | 17.7 | 21.2 | 28.1 | 24.5 | 21.1 | 21.6 | 25.0 |
| 9 | 16.5 | 19.6 | 19.0 | 14.1 | 8.3 | 6.9 | 6.9 | 12.2 | 17.5 | 33.8 | 26.7 | 28.8 | 38.3 | 26.9 | 20.8 | 13.4 | 14.2 | 15.0 | 10.1 | 9.9 | 17.4 | 15.1 | 16.5 | 23.5 |
| 10 | 17.8 | 18.1 | 24.3 | 21.2 | 21.5 | 14.4 | 24.7 | 29.1 | 31.2 | 30.9 | 21.6 | 19.2 | 22.7 | 17.0 | 22.5 | 15.8 | 13.7 | 19.8 | 22.9 | 25.3 | 17.3 | 11.2 | 14.5 | 21.4 |
| 11 | 22.2 | 18.8 | 18.8 | 8.0 | 21.3 | 9.3 | 7.4 | 12.8 | 12.2 | 38.8 | 38.2 | 24.6 | 28.3 | 23.5 | 13.6 | 14.8 | 12.5 | 8.7 | 9.3 | 8.9 | 13.8 | 24.1 | 21.1 | 22.7 |
| 12 | 25.0 | 23.6 | 19.4 | 9.0 | 25.5 | 11.4 | 6.2 | 21.7 | 23.9 | 35.8 | 33.5 | 20.3 | 40.4 | 39.1 | 37.8 | 41.0 | 24.6 | 19.5 | 16.4 | 13.6 | 19.2 | 25.9 | 26.4 | 13.1 |
| 13 | 24.0 | 14.1 | 11.9 | 14.0 | 12.0 | 14.5 | 7.4 | 29.5 | 28.8 | 33.5 | 33.6 | 34.5 | 29.7 | 39.1 | 32.7 | 13.0 | 24.1 | 18.4 | 16.3 | 15.9 | 13.5 | 12.6 | 11.3 | 11.0 |
| 14 | 9.6 | 8.8 | 8.4 | 9.5 | 9.4 | 9.6 | 10.7 | 17.0 | 18.3 | 28.5 | 27.6 | 20.1 | 20.6 | 16.4 | 18.0 | 20.8 | 20.2 | 16.4 | 15.3 | 7.9 | 11.8 | 8.0 | 7.5 | 7.4 |
| 15 | 8.3 | 10.1 | 9.4 | 9.2 | 14.2 | 13.1 | 45.3 | 36.9 | 39.2 | 64.2 | 34.3 | 21.1 | 29.4 | 22.8 | 16.3 | 13.0 | 13.1 | 12.4 | 9.5 | 8.2 | 7.7 | 8.5 | 7.4 | 8.3 |
| 16 | 8.5 | 7.2 | 7.3 | 7.4 | 7.7 | 8.1 | 12.7 | 20.8 | 12.7 | 13.8 | 13.9 | 14.2 | 10.8 | 11.7 | 10.7 | 11.1 | 11.7 | 15.3 | 15.5 | 10.2 | 8.7 | 8.1 | 7.6 | 8.0 |
| 17 | 7.9 | 7.9 | 7.7 | 8.2 | 12.0 | 8.2 | 7.3 | 8.2 | 10.1 | 9.4 | 10.4 | 9.3 | 10.1 | 10.5 | 11.2 | 10.4 | 15.5 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] |
| 18 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] |
| 19 | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | [IM] | 47.8 | 41.3 | 46.1 | 39.8 | 10.7 | 14.9 | 11.4 | 17.8 | 23.6 | 8.7 |
| 20 | 14.7 | 17.0 | 16.6 | 8.3 | 3.4 | 5.1 | 4.2 | 5.2 | 5.9 | 7.3 | 9.7 | 11.0 | 13.7 | 12.9 | 13.2 | 14.3 | 12.9 | 10.8 | 9.2 | 8.7 | 8.8 | 10.1 | 9.7 | 10.3 |
| 21 | 9.6 | 8.9 | 10.3 | 5.7 | 3.6 | 5.8 | 9.6 | 8.8 | 12.2 | 23.9 | 41.3 | 33.2 | 18.5 | 22.6 | 37.2 | 34.0 | 10.6 | 16.8 | 39.3 | 7.5 | 14.5 | 20.5 | 17.0 | 11.1 |
| 22 | 13.5 | 11.1 | 22.2 | 18.5 | 14.2 | 11.3 | 14.1 | 23.1 | 31.3 | 56.5 | 35.9 | 50.3 | 57.9 | 43.0 | 49.7 | 13.2 | 16.5 | 15.1 | 7.8 | 16.3 | 12.5 | 7.7 | 7.3 | 6.6 |
| 23 | 9.3 | 11.7 | 8.3 | 11.9 | 12.8 | 18.5 | 23.5 | 16.8 | 21.6 | 34.2 | 28.1 | 39.3 | 42.2 | 16.4 | 11.8 | 12.1 | 12.9 | 16.4 | 14.2 | 12.7 | 11.6 | 14.8 | 10.3 | 8.5 |
| 24 | 7.9 | 10.1 | 8.2 | 10.4 | 6.6 | 7.2 | 30.0 | 24.3 | 46.6 | 28.5 | 24.3 | 30.1 | 19.9 | 16.9 | 11.7 | 16.7 | 8.3 | 7.0 | 9.7 | 16.0 | 27.8 | 25.3 | 18.1 | 11.4 |
| 25 | 9.5 | 19.9 | 10.0 | 12.3 | 18.9 | 15.7 | 17.0 | 23.5 | 30.1 | 32.3 | 33.5 | 26.4 | 28.3 | 43.7 | 25.7 | 22.6 | 19.0 | 15.6 | 10.9 | 8.1 | 12.2 | 12.4 | 11.9 | 12.1 |
| 26 | 13.4 | 8.2 | 19.8 | 17.7 | 9.8 | 10.7 | 22.3 | 23.0 | 24.4 | 17.8 | 26.4 | 15.9 | 30.0 | 12.7 | 13.3 | 15.1 | 14.1 | 16.6 | 16.2 | 13.1 | 16.5 | 10.0 | 11.2 | 7.0 |
| 27 | 7.5 | 17.5 | 27.4 | 15.6 | 7.5 | 4.5 | 4.7 | 10.0 | 13.4 | 30.8 | 34.9 | 29.1 | 34.4 | 32.2 | 14.7 | 34.8 | 26.3 | 18.0 | 15.7 | 8.7 | 7.8 | 12.4 | 25.3 | 19.6 |
| 28 | 9.0 | 24.1 | 16.8 | 16.9 | 7.3 | 5.5 | 6.4 | 28.4 | 28.6 | 17.0 | 22.3 | 38.6 | 20.1 | 38.2 | 33.3 | 36.8 | 21.9 | 17.9 | 20.5 | 23.4 | 20.6 | 10.2 | 11.1 | 13.5 |
| 29 | 6.7 | 14.6 | 6.9 | 22.8 | 16.9 | 9.9 | 7.5 | 24.0 | 26.6 | 30.8 | 31.3 | 32.5 | 30.5 | 36.5 | 21.8 | 25.7 | 23.9 | 16.3 | 23.3 | 20.9 | 21.4 | 21.1 | 23.0 | 21.7 |
| 30 | 25.6 | 14.8 | 18.8 | 9.9 | 16.4 | 12.0 | 9.3 | 11.6 | 16.0 | 26.8 | 21.3 | 25.2 | 31.0 | 25.7 | 17.1 | 32.7 | 16.7 | 11.3 | 12.6 | 14.7 | 12.9 | 17.5 | 22.0 | 22.9 |
| 31 | 19.8 | 19.0 | 14.5 | 11.9 | 5.7 | 3.5 | 3.1 | 5.3 | 9.9 | 26.3 | 30.0 | 30.3 | 36.7 | 42.7 | 44.6 | 38.3 | 51.5 | 35.4 | 19.2 | 24.9 | 24.3 | 17.3 | 10.4 | 22.1 |
| AVG. | 12.6 | 13.5 | 13.7 | 12.3 | 12.3 | 10.7 | 13.5 | 17.8 | 21.3 | 27.8 | 26.1 | 25.0 | 27.6 | 25.7 | 23.7 | 21.2 | 18.6 | 16.1 | 14.8 | 14.1 | 14.9 | 14.6 | 14.1 | 13.6 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Ludlow

LATITUDE : 34 degrees 42 minutes 36 seconds

MONTH : August

ELEVATION : 1782 feet

LONGITUDE : 116 degrees 09 minutes 15 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 | 9.7 | 8.3 | 7.7 | 7.7 | 8.2 | 8.4 | 8.0 | 10.9 | 26.7 | 36.9 | 32.6 | 41.0 | 73.3 | 68.2 | 42.2 | 34.5 | 38.0 | 34.7 | 10.8 | 16.7 | 7.3 | 7.7 | 7.7 | 9.3 |
| 2 | 10.9 | 7.3 | 7.9 | 7.7 | 7.0 | 8.0 | 8.2 | 9.1 | 8.8 | 16.6 | 16.1 | 38.8 | 69.3 | 68.2 | 72.9 | 30.1 | 24.9 | 22.8 | 15.1 | 6.6 | 8.2 | 8.3 | 12.2 | 8.2 |
| 3 | 21.4 | 8.3 | 9.1 | 11.6 | 9.7 | 8.7 | 9.2 | 13.0 | 35.5 | 43.0 | 70.4 | 44.9 | 44.9 | 43.4 | 31.2 | 25.3 | 12.3 | 9.8 | 8.6 | 8.7 | 12.7 | 20.1 | 34.5 | 9.0 |
| 4 | 9.0 | 10.3 | 8.7 | 9.8 | 9.1 | 8.7 | 7.6 | 29.4 | 28.1 | 22.5 | 42.7 | 52.0 | 43.8 | 51.6 | 56.8 | 32.9 | 24.2 | 8.4 | 8.0 | 12.0 | 12.8 | 9.1 | 9.1 | 7.6 |
| 5 | 6.3 | 7.3 | 7.1 | 11.4 | 15.6 | 12.1 | 11.8 | 34.7 | 45.1 | 60.1 | 51.5 | 68.1 | 33.0 | 42.2 | 47.3 | 32.2 | 54.7 | 10.6 | 9.9 | 7.9 | 7.7 | 38.9 | 9.6 | 9.6 |
| 6 | 10.2 | 14.8 | 8.9 | 7.0 | 7.5 | 7.6 | 8.5 | 19.6 | 28.5 | 35.6 | 46.5 | 35.0 | 42.2 | 39.5 | 45.4 | 41.0 | 42.2 | 15.9 | 8.5 | 7.7 | 7.0 | 17.9 | 25.6 | 14.5 |
| 7 | 10.6 | 8.0 | 7.8 | 8.5 | 11.3 | 8.4 | 7.9 | 10.2 | 21.0 | 41.3 | 35.4 | 37.0 | 41.4 | 47.9 | 41.4 | 43.6 | 46.2 | 13.5 | 10.0 | 7.2 | 6.2 | 6.7 | 12.9 | 7.7 |
| 8 | 15.7 | 13.6 | 18.5 | 11.4 | 8.9 | 8.6 | 8.0 | 8.9 | 35.8 | 56.2 | 65.9 | 49.8 | 40.7 | 56.0 | 41.1 | 36.9 | 53.6 | 34.1 | 18.7 | 7.3 | 17.2 | 11.3 | 20.5 | 7.9 |
| 9 | 13.3 | 9.9 | 8.1 | 8.6 | 18.0 | 8.7 | 7.4 | 9.0 | 35.3 | 50.7 | 62.3 | 49.4 | 40.0 | 57.1 | 34.8 | 28.4 | 23.7 | 11.4 | 20.0 | 9.3 | 10.4 | 7.9 | 7.2 | 6.7 |
| 10 | 7.3 | 8.8 | 7.8 | 10.6 | 8.4 | 8.7 | 8.8 | 13.1 | 30.0 | 47.7 | 31.1 | 47.3 | 31.9 | 30.2 | 69.0 | 47.5 | 57.9 | 74.3 | 17.7 | 6.9 | 6.9 | 10.4 | 15.1 | 17.4 |
| 11 | 11.7 | 9.4 | 10.9 | 10.6 | 8.7 | 8.0 | 7.7 | 10.8 | 30.1 | 53.4 | 50.5 | 50.9 | 30.6 | 36.7 | 24.5 | 23.6 | 23.8 | 16.1 | 12.3 | 10.3 | 10.9 | 8.8 | 12.2 | 8.0 |
| 12 | 20.0 | 14.3 | 18.1 | 10.3 | 9.8 | 8.1 | 8.5 | 9.3 | 14.0 | 14.8 | 16.3 | 17.7 | 16.4 | 15.1 | 32.9 | 11.8 | 22.8 | 18.0 | 12.0 | 19.3 | 37.7 | 25.8 | 27.4 | 11.3 |
| 13 | 28.4 | 8.2 | 8.2 | 8.7 | 8.5 | 7.0 | 7.2 | 13.8 | 23.7 | 27.1 | 40.2 | 43.5 | 49.9 | 50.5 | 57.9 | 24.8 | 42.5 | 22.1 | 44.2 | 13.4 | 7.9 | 6.5 | 11.3 | 32.5 |
| 14 | 32.6 | 24.5 | 10.8 | 11.1 | 8.8 | 6.7 | 6.7 | 14.5 | 57.1 | 47.6 | 50.9 | 57.3 | 46.5 | 42.6 | 49.0 | 33.8 | 42.5 | 23.2 | 16.2 | 35.7 | 13.8 | 7.8 | 11.9 | 13.7 |
| 15 | 12.2 | 10.6 | 18.4 | 30.2 | 12.7 | 9.1 | 10.3 | 12.6 | 14.2 | 16.8 | 17.5 | 17.5 | 13.8 | 17.4 | 17.2 | 17.2 | 13.7 | 11.9 | 12.9 | 28.1 | 7.9 | 13.1 | 8.5 | 9.2 |
| 16 | 9.9 | 8.9 | 9.3 | 6.4 | 11.7 | 10.3 | 19.1 | 25.2 | 16.4 | 16.1 | 20.9 | 20.5 | 26.4 | 37.9 | 33.5 | 27.2 | 23.6 | 9.9 | 6.8 | 6.3 | 7.2 | 9.5 | 9.8 | 9.1 |
| 17 | 8.7 | 11.3 | 21.5 | 32.6 | 11.2 | 9.8 | 23.0 | 26.7 | 23.9 | 43.7 | 46.2 | 38.9 | 45.2 | 27.7 | 53.7 | 31.7 | 39.8 | 12.7 | 7.0 | 6.2 | 7.2 | 17.9 | 17.8 | 8.6 |
| 18 | 16.2 | 43.1 | 33.1 | 43.0 | 20.1 | 8.8 | 9.6 | 10.3 | 10.1 | 33.2 | 48.7 | 23.6 | 43.3 | 67.7 | 49.8 | 56.1 | 35.3 | 39.8 | 28.6 | 19.5 | 34.8 | 40.3 | 6.7 | 8.0 |
| 19 | 8.9 | 8.3 | 8.5 | 8.9 | 8.9 | 7.9 | 8.1 | 10.9 | 20.2 | 32.7 | 34.4 | 23.7 | 28.3 | 25.0 | 15.2 | 16.9 | 13.0 | 11.5 | 12.4 | 7.3 | 8.7 | 8.1 | 8.4 | 8.2 |
| 20 | 7.2 | 7.9 | 7.3 | 7.0 | 7.6 | 8.3 | 8.9 | 7.9 | 8.6 | 11.1 | 12.9 | 13.4 | 13.1 | 19.2 | 16.4 | 15.8 | 15.3 | 17.5 | 14.8 | 9.6 | 8.9 | 6.9 | 17.5 | 27.5 |
| 21 | 25.2 | 13.0 | 14.0 | 10.0 | 15.7 | 9.4 | 28.7 | 21.6 | 13.8 | 12.9 | 18.8 | 21.4 | 19.7 | 23.9 | 16.0 | 17.3 | 19.7 | 16.5 | 11.6 | 7.0 | 10.6 | 8.2 | 7.1 | 9.1 |
| 22 | 8.9 | 8.5 | 11.2 | 8.6 | 8.2 | 12.8 | 10.2 | 10.2 | 34.1 | 64.4 | 51.9 | 47.1 | 35.2 | 26.6 | 36.7 | 32.9 | 49.4 | 36.9 | 11.1 | 7.5 | 5.0 | 18.1 | 11.7 | 11.2 |
| 23 | 12.3 | 11.5 | 11.9 | 10.0 | 9.5 | 9.4 | 10.0 | 10.9 | 48.8 | 70.0 | 31.7 | 29.0 | 37.4 | 29.6 | 27.2 | 37.4 | 49.7 | 31.0 | 9.2 | 14.9 | 28.3 | 20.7 | 49.0 | 16.2 |
| 24 | 10.6 | 21.3 | 44.6 | 9.5 | 17.6 | 19.3 | 23.8 | 27.4 | 43.0 | 33.3 | 37.1 | 32.8 | 34.5 | 30.6 | 21.9 | 34.6 | 40.2 | 13.8 | 26.4 | 10.5 | 20.6 | 51.8 | 24.6 | 9.1 |
| 25 | 11.5 | 10.4 | 8.2 | 8.8 | 9.3 | 8.4 | 8.4 | 10.5 | 23.2 | 35.7 | 53.8 | 66.2 | 53.5 | 63.5 | 58.2 | 14.5 | 25.3 | 10.5 | 7.3 | 7.0 | 6.9 | 10.6 | 10.1 | 15.6 |
| 26 | 13.9 | 14.4 | 9.3 | 8.5 | 10.5 | 8.5 | 8.9 | 9.4 | 38.4 | 51.5 | 47.9 | 76.6 | 61.9 | 42.9 | 30.1 | 31.1 | 38.7 | 17.4 | 9.0 | 10.6 | 20.6 | 6.9 | 8.7 | 11.9 |
| 27 | 13.5 | 11.2 | 7.3 | 7.8 | 8.6 | 7.3 | 7.9 | 7.7 | 22.8 | 34.6 | 24.1 | 44.1 | 58.3 | 53.5 | 47.2 | 41.3 | 26.5 | 7.9 | 7.6 | 7.8 | 9.9 | 8.8 | 19.0 | 35.6 |
| 28 | 26.4 | 13.2 | 9.6 | 7.7 | 10.8 | 8.8 | 7.0 | 11.0 | 23.8 | 27.2 | 46.0 | 34.3 | 45.6 | 40.4 | 54.8 | 47.9 | 28.2 | 25.5 | 20.3 | 10.3 | 10.2 | 18.8 | 10.8 | 12.4 |
| 29 | 19.4 | 11.1 | 8.1 | 8.5 | 8.0 | 8.2 | 9.5 | 7.6 | 10.6 | 50.8 | 61.4 | 50.3 | 51.6 | 48.3 | 22.2 | 43.3 | 18.9 | 12.5 | 24.9 | 16.9 | 9.5 | 7.8 | 9.9 | 15.1 |
| 30 | 10.4 | 8.0 | 8.2 | 7.8 | 9.1 | 9.3 | 9.0 | 13.1 | 43.8 | 31.7 | 36.2 | 67.4 | 49.1 | 49.3 | 49.7 | 38.4 | 55.1 | 48.2 | 9.2 | 8.2 | 25.9 | 13.0 | 17.0 | 11.3 |
| 31 | 8.3 | 12.5 | 8.3 | 8.3 | 7.9 | 8.2 | 8.0 | 10.0 | 33.3 | 43.8 | 41.0 | 54.4 | 28.9 | 36.4 | 68.6 | 33.6 | 26.6 | 27.2 | 39.7 | 16.6 | 7.8 | 8.6 | 8.1 | 9.2 |
| AVG. | 13.9 | 12.2 | 12.2 | 11.6 | 10.5 | 9.1 | 10.5 | 14.2 | 27.4 | 37.5 | 40.1 | 41.7 | 40.3 | 41.6 | 40.8 | 31.7 | 33.2 | 21.5 | 15.2 | 11.7 | 12.8 | 14.7 | 14.9 | 12.6 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Palmdale

ELEVATION : 2760 feet

PARAMETER : Standard Deviation of Wind Direction (Sigma Theta)

LATITUDE : 34 degrees 33 minutes 26 seconds

LONGITUDE : 118 degrees 06 minutes 46 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 9.2 | 27.1 | 13.6 | 8.3 | 33.4 | 39.8 | 25.6 | 33.7 | 45.8 | 60.0 | 13.9 | 9.0 | 9.3 | 8.3 | 7.6 | 8.0 | 8.5 | 8.4 | 7.7 | 7.6 | 32.5 | 64.4 | 54.3 | 29.2 |
| 2 | 6.3 | 9.2 | 26.4 | 31.2 | 15.1 | 57.1 | 27.0 | 47.3 | 37.2 | 15.5 | 9.6 | 10.6 | 10.5 | 10.4 | 8.4 | 8.7 | 8.6 | 8.2 | 8.5 | 25.1 | 12.9 | 18.4 | 8.3 | 27.4 |
| 3 | 5.9 | 35.1 | 9.5 | 21.4 | 50.0 | 16.4 | 7.9 | 6.9 | 9.3 | 11.1 | 13.7 | 14.1 | 14.5 | 15.6 | 13.2 | 14.5 | 11.0 | 9.9 | 15.7 | 65.4 | 11.1 | 10.6 | 12.8 | 13.0 |
| 4 | 11.8 | 12.4 | 9.6 | 7.0 | 6.7 | 9.2 | 7.7 | 7.6 | 8.7 | 12.4 | 13.7 | 14.1 | 13.4 | 10.2 | 10.4 | 9.5 | 9.1 | 8.8 | 9.1 | 10.3 | 9.7 | 11.2 | 16.4 | 8.1 |
| 5 | 9.0 | 15.3 | 8.9 | 4.9 | 6.0 | 12.9 | 21.2 | 9.8 | 10.8 | 10.4 | 13.7 | 14.1 | 12.9 | 13.5 | 13.4 | 11.8 | 11.7 | 9.8 | 34.0 | 52.6 | 41.3 | 20.3 | 8.9 | 51.8 |
| 6 | 18.0 | 46.1 | 22.6 | 42.9 | 38.6 | 35.2 | 23.3 | 49.2 | 23.0 | 32.0 | 13.9 | 12.7 | 9.9 | 10.2 | 11.2 | 10.0 | 8.4 | 7.5 | 9.8 | 41.0 | 36.4 | 10.0 | 12.2 | 10.8 |
| 7 | 12.4 | 20.1 | 29.1 | 29.3 | 47.0 | 25.9 | 71.2 | 48.7 | 18.3 | 10.7 | 10.6 | 13.3 | 13.4 | 14.4 | 12.7 | 9.6 | 8.8 | 8.3 | 26.3 | 23.7 | 13.7 | 13.6 | 18.4 | 31.5 |
| 8 | 43.8 | 18.0 | 36.2 | 31.2 | 39.0 | 29.6 | 34.4 | 38.0 | 33.9 | 34.1 | 43.1 | 15.8 | 16.2 | 12.5 | 16.8 | 14.8 | 11.3 | 11.5 | 13.5 | 11.1 | 33.9 | 46.3 | 42.1 | 32.5 |
| 9 | 43.1 | 20.0 | 52.6 | 41.0 | 38.8 | 27.2 | 20.1 | 17.6 | 20.2 | 12.0 | 16.9 | 13.5 | 10.7 | 11.3 | 12.0 | 12.5 | 11.1 | 15.9 | 14.1 | 28.6 | 38.1 | 6.8 | 58.2 | 51.3 |
| 10 | 37.4 | 48.8 | 38.0 | 38.3 | 47.6 | 39.0 | 40.6 | 30.5 | 37.9 | 9.0 | 9.1 | 9.7 | 11.9 | 11.3 | 11.8 | 10.0 | 10.5 | 10.2 | 7.6 | 7.4 | 6.8 | 58.4 | 42.5 | 40.4 |
| 11 | 55.6 | 44.4 | 36.7 | 19.2 | 19.4 | 53.1 | 37.2 | 17.6 | 30.7 | 35.3 | 28.2 | 14.5 | 15.5 | 15.5 | 13.4 | 15.1 | 16.6 | 11.0 | 7.5 | 7.7 | 8.1 | 49.1 | 24.4 | 34.5 |
| 12 | 36.1 | 70.3 | 71.3 | 42.5 | 46.3 | 30.0 | 65.3 | 37.0 | 29.7 | 29.7 | 48.1 | 20.1 | 16.7 | 14.8 | 13.1 | 10.4 | 13.4 | 12.5 | 8.7 | 6.7 | 6.9 | 10.9 | 42.5 | 18.7 |
| 13 | 4.1 | 6.9 | 32.3 | 53.1 | 40.8 | 52.6 | 62.0 | 18.3 | 22.0 | 42.8 | 24.6 | 17.9 | 14.7 | 18.7 | 16.0 | 14.8 | 10.8 | 13.0 | 8.3 | 15.0 | 34.7 | 17.5 | 13.1 | 5.9 |
| 14 | 22.0 | 4.9 | 7.4 | 16.1 | 15.6 | 14.6 | 25.7 | 33.2 | 35.7 | 19.9 | 17.9 | 16.0 | 12.1 | 10.9 | 8.2 | 8.7 | 9.3 | 9.6 | 7.9 | 6.6 | 53.0 | 26.3 | 28.4 | 57.4 |
| 15 | 26.7 | 41.7 | 57.1 | 33.5 | 8.6 | 8.0 | 15.0 | 34.8 | 6.9 | 8.8 | 10.6 | 12.1 | 11.8 | 9.3 | 9.0 | 8.6 | 8.0 | 7.6 | 7.2 | 6.9 | 33.9 | 14.6 | 27.0 | 6.9 |
| 16 | 6.3 | 8.2 | 19.3 | 44.6 | 35.3 | 52.6 | 17.9 | 10.6 | 10.0 | 10.2 | 10.1 | 9.3 | 9.9 | 10.0 | 11.6 | 11.7 | 12.0 | 8.8 | 14.5 | 27.7 | 27.3 | 13.4 | 11.1 | 12.2 |
| 17 | 23.2 | 26.3 | 21.0 | 48.9 | 36.0 | 14.5 | 45.6 | 48.1 | 19.2 | 14.4 | 10.5 | 11.6 | 12.0 | 10.4 | 8.9 | 9.4 | 11.4 | 13.3 | 10.7 | 12.1 | 39.7 | 65.4 | 32.4 | 34.1 |
| 18 | 20.4 | 21.4 | 65.7 | 61.5 | 47.2 | 22.4 | 48.1 | 25.8 | 33.9 | 34.3 | 45.9 | 67.1 | 51.4 | 57.4 | 50.8 | 60.3 | 8.7 | 8.4 | 8.4 | 7.8 | 42.5 | 44.0 | 19.3 | 22.6 |
| 19 | 18.8 | 16.7 | 31.9 | 8.3 | 11.0 | 6.1 | 25.8 | 20.9 | 21.0 | 28.4 | 46.2 | 44.8 | 58.7 | 34.2 | 40.0 | 17.8 | 12.4 | 10.8 | 8.4 | 7.6 | 7.3 | 7.9 | 39.5 | 62.5 |
| 20 | 79.6 | 9.8 | 46.0 | 10.9 | 11.2 | 7.1 | 35.9 | 19.0 | 27.9 | 26.3 | 32.6 | 53.1 | 41.5 | 41.2 | 15.5 | 44.5 | 59.2 | 17.5 | 18.8 | 36.0 | 47.6 | 56.9 | 27.6 | 22.5 |
| 21 | 19.6 | 9.7 | 17.6 | 18.2 | 7.5 | 13.0 | 22.3 | 15.7 | 25.4 | 29.8 | 29.2 | 45.6 | 36.0 | 23.6 | 18.1 | 23.2 | 11.9 | 28.8 | 28.8 | 11.0 | 23.0 | 4.8 | 5.6 | 4.6 |
| 22 | 9.3 | 30.6 | 28.9 | 13.5 | 12.9 | 3.7 | 18.9 | 16.6 | 25.4 | 29.9 | 28.9 | 50.9 | 74.5 | 40.7 | 23.3 | 9.6 | 8.6 | 11.5 | 7.8 | 8.2 | 37.7 | 48.5 | 60.1 | 46.9 |
| 23 | 8.6 | 12.3 | 28.9 | 27.2 | 70.0 | 16.7 | 27.9 | 27.5 | 8.3 | 12.3 | 12.9 | 15.1 | 13.4 | 14.5 | 13.4 | 15.3 | 13.6 | 11.9 | 10.4 | 7.3 | 23.0 | 33.4 | 7.3 | 8.3 |
| 24 | 8.7 | 13.1 | 7.4 | 6.2 | 5.5 | 10.7 | 31.3 | 16.0 | 17.2 | 20.0 | 44.9 | 17.5 | 15.2 | 12.0 | 12.9 | 10.1 | 13.0 | 11.2 | 8.6 | 8.2 | 7.3 | 6.9 | 6.4 | 7.2 |
| 25 | 7.2 | 6.9 | 6.8 | 6.4 | 21.5 | 35.5 | 12.8 | 48.8 | 46.1 | 38.9 | 22.5 | 17.0 | 15.4 | 15.2 | 15.2 | 13.1 | 10.2 | 15.6 | 13.6 | 13.9 | 8.9 | 47.9 | 61.0 | 41.0 |
| 26 | 45.8 | 53.6 | 47.7 | 9.5 | 17.1 | 37.7 | 60.6 | 31.7 | 46.5 | 41.4 | 17.5 | 14.8 | 13.7 | 13.7 | 12.7 | 12.3 | 12.9 | 10.0 | 7.4 | 8.5 | 5.2 | 7.0 | 7.5 | 12.5 |
| 27 | 20.1 | 6.9 | 19.5 | 13.4 | 22.4 | 41.6 | 31.0 | 30.3 | 10.6 | 13.2 | 16.2 | 16.3 | 16.1 | 16.1 | 11.8 | 13.1 | 10.2 | 11.7 | 7.6 | 6.2 | 6.2 | 6.0 | 33.2 | 50.3 |
| 28 | 82.2 | 60.6 | 67.6 | 79.5 | 63.6 | 62.4 | 49.6 | 31.7 | 32.9 | 16.3 | 16.0 | 12.3 | 14.0 | 11.9 | 14.8 | 11.0 | 11.1 | 21.1 | 17.1 | 7.4 | 50.3 | 9.2 | 39.7 | 10.7 |
| 29 | 23.0 | 10.5 | 21.1 | 20.6 | 18.6 | 18.8 | 30.4 | 29.0 | 19.9 | 28.6 | 39.2 | 11.8 | 14.9 | 14.0 | 16.8 | 11.4 | 12.6 | 8.3 | 8.0 | 54.5 | 44.2 | 34.6 | 82.0 | 56.3 |
| 30 | 62.1 | 11.6 | 4.3 | 8.9 | 10.5 | 50.7 | 37.5 | 16.3 | 11.7 | 21.7 | 14.6 | 14.9 | 16.0 | 14.1 | 10.0 | 12.1 | 10.2 | 8.2 | 9.2 | 44.7 | 68.6 | 26.3 | 40.8 | 31.0 |
| 31 | 43.5 | 25.3 | 13.5 | 15.9 | 6.8 | 26.7 | 33.4 | 15.3 | 19.5 | 38.9 | 16.7 | 15.0 | 12.8 | 16.1 | 17.1 | 17.3 | 10.1 | 7.5 | 7.0 | 32.1 | 41.5 | 50.6 | 11.3 | 8.2 |
| AVG. | 26.4 | 24.0 | 29.0 | 26.2 | 27.4 | 28.1 | 32.7 | 26.9 | 24.1 | 24.1 | 22.3 | 20.1 | 19.6 | 17.2 | 15.2 | 14.8 | 12.4 | 11.5 | 12.0 | 19.6 | 27.5 | 27.1 | 28.8 | 27.4 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Quartzite Mountain

LATITUDE : 34 degrees 36 minutes 38 seconds

MONTH : August

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 | 18.4 | 15.7 | 16.4 | 17.1 | 16.2 | 11.3 | 14.9 | 23.5 | 34.0 | 42.5 | 32.1 | 31.7 | 37.5 | 29.8 | 9.8 | 7.4 | 6.8 | 12.2 | 11.0 | 8.9 | 10.6 | 20.7 | 18.1 | 21.4 |
| 2 | 14.9 | 13.8 | 15.1 | 14.3 | 10.8 | 9.9 | 12.6 | 18.5 | 26.9 | 32.1 | 30.8 | 23.5 | 25.5 | 6.9 | 6.0 | 6.8 | 5.9 | 6.3 | 5.8 | 4.5 | 6.8 | 8.6 | 9.1 | 10.6 |
| 3 | 7.8 | 7.1 | 5.5 | 6.7 | 12.2 | 19.2 | 9.7 | 18.4 | 26.9 | 20.4 | 33.3 | 16.1 | 9.9 | 7.5 | 5.9 | 6.7 | 5.8 | 6.9 | 6.1 | 5.9 | 9.5 | 9.8 | 7.4 | 7.6 |
| 4 | 6.3 | 5.6 | 7.3 | 6.8 | 8.1 | 7.0 | 6.6 | 9.5 | 9.6 | 10.3 | 7.2 | 8.3 | 6.6 | 7.0 | 8.0 | 8.5 | 10.6 | 12.5 | 10.5 | 11.4 | 9.9 | 9.5 | 9.4 | 11.7 |
| 5 | 9.7 | 10.0 | 8.7 | 7.9 | 8.9 | 10.2 | 9.3 | 8.0 | 16.2 | 23.9 | 30.3 | 26.3 | 24.3 | 31.0 | 28.3 | 24.2 | 22.0 | 20.8 | 8.5 | 6.1 | 8.1 | 7.7 | 13.0 | 7.0 |
| 6 | 6.4 | 24.3 | 11.6 | 10.0 | 5.5 | 6.5 | 8.2 | 9.1 | 18.1 | 36.0 | 38.0 | 39.9 | 40.0 | 36.8 | 15.7 | 44.7 | 12.4 | 23.6 | 11.9 | 18.8 | 27.3 | 21.2 | 23.3 | 10.9 |
| 7 | 3.9 | 12.0 | 11.8 | 17.9 | 7.9 | 5.9 | 18.9 | 16.2 | 19.7 | 25.6 | 26.3 | 33.8 | 31.4 | 38.7 | 35.7 | 28.3 | 40.8 | 31.4 | 29.8 | 29.3 | 17.6 | 24.7 | 19.6 | 20.8 |
| 8 | 21.0 | 13.4 | 21.1 | 14.3 | 9.8 | 6.0 | 4.4 | 13.9 | 51.2 | 49.7 | 36.5 | 31.7 | 42.2 | 26.1 | 11.3 | 6.1 | 7.3 | 6.4 | 6.5 | 12.0 | 8.2 | 7.7 | 7.0 | 7.4 |
| 9 | 10.0 | 10.4 | 5.1 | 4.4 | 5.3 | 6.2 | 7.9 | 15.4 | 10.3 | 12.2 | 11.3 | 7.3 | 6.9 | 6.3 | 6.4 | 6.4 | 6.6 | 6.5 | 6.5 | 7.2 | 8.5 | 8.1 | 3.4 | 5.7 |
| 10 | 6.0 | 5.4 | 4.7 | 5.4 | 20.0 | 8.6 | 6.2 | 7.8 | 14.1 | 23.7 | 39.0 | 33.3 | 30.4 | 12.3 | 8.3 | 30.3 | 26.0 | 14.4 | 11.8 | 9.5 | 6.7 | 22.3 | 23.6 | 17.1 |
| 11 | 17.5 | 15.7 | 11.6 | 7.3 | 5.1 | 7.1 | 10.3 | 11.6 | 13.7 | 9.4 | 8.5 | 7.4 | 5.6 | 8.5 | 7.0 | 6.2 | 5.7 | 5.5 | 5.5 | 7.1 | 7.8 | 7.4 | 6.9 | 7.9 |
| 12 | 7.7 | 7.1 | 4.7 | 4.1 | 7.3 | 6.3 | 3.1 | 7.9 | 18.4 | 16.9 | 12.2 | 8.4 | 9.1 | 7.4 | 6.5 | 5.5 | 6.6 | 7.5 | 10.8 | 9.0 | 6.2 | 11.3 | 9.1 | 23.5 |
| 13 | 14.9 | 9.8 | 8.9 | 23.8 | 21.2 | 22.0 | 18.5 | 29.9 | 58.3 | 62.8 | 64.9 | 50.8 | 64.8 | 17.8 | 8.2 | 6.0 | 5.8 | 6.1 | 10.8 | 19.2 | 14.0 | 11.5 | 9.0 | 12.3 |
| 14 | 13.2 | 13.1 | 11.7 | 16.8 | 10.1 | 20.3 | 13.9 | 18.3 | 21.9 | 28.4 | 21.4 | 17.5 | 13.4 | 8.1 | 7.4 | 8.1 | 6.0 | 6.8 | 6.4 | 8.1 | 9.1 | 7.5 | 5.2 | 8.1 |
| 15 | 6.6 | 5.5 | 7.0 | 6.2 | 5.8 | 4.5 | 3.9 | 8.0 | 14.4 | 15.0 | 11.9 | 9.1 | 10.4 | 7.1 | 7.1 | 8.4 | 7.3 | 6.7 | 6.3 | 7.8 | 8.1 | 6.1 | 6.2 | 7.0 |
| 16 | 5.3 | 11.5 | 12.0 | 7.7 | 7.3 | 7.8 | 6.7 | 7.8 | 8.2 | 13.3 | 16.1 | 13.1 | 8.5 | 9.1 | 7.2 | 10.3 | 10.6 | 16.0 | 13.1 | 8.7 | 8.2 | 12.8 | 10.9 | 9.2 |
| 17 | 13.6 | 20.6 | 17.4 | 11.9 | 12.2 | 15.4 | 14.7 | 16.7 | 23.0 | 23.7 | 19.4 | 17.3 | 18.0 | 18.7 | 22.3 | 8.7 | 28.5 | 27.1 | 24.9 | 16.4 | 12.1 | 12.0 | 18.8 | 13.2 |
| 18 | 11.2 | 11.4 | 17.6 | 19.3 | 13.4 | 21.6 | 18.5 | 8.8 | 34.2 | 36.0 | 41.6 | 34.4 | 25.0 | 55.5 | 59.0 | 21.4 | 27.8 | 5.9 | 6.9 | 7.6 | 8.6 | 9.1 | 11.6 | 4.3 |
| 19 | 5.9 | 9.5 | 39.1 | 25.2 | 33.9 | 12.7 | 9.3 | 67.7 | 44.0 | 22.1 | 46.5 | 46.2 | 28.1 | 23.9 | 18.0 | 13.3 | 8.4 | 7.0 | 6.3 | 6.3 | 7.4 | 7.5 | 6.6 | 6.0 |
| 20 | 10.5 | 25.8 | 28.3 | 41.9 | 49.2 | 29.7 | 19.7 | 16.5 | 19.2 | 20.6 | 39.8 | 56.1 | 49.7 | 44.0 | 55.4 | 38.5 | 7.6 | 7.4 | 6.0 | 5.8 | 6.4 | 8.7 | 28.7 | 46.7 |
| 21 | 16.3 | 7.5 | 18.5 | 10.8 | 5.1 | 5.0 | 21.2 | 56.1 | 39.7 | 60.7 | 68.5 | 65.1 | 49.4 | 43.2 | 60.3 | 10.5 | 8.4 | 8.6 | 6.5 | 8.8 | 6.0 | 13.3 | 5.2 | 19.5 |
| 22 | 21.6 | 13.3 | 7.2 | 8.0 | 25.2 | 47.8 | 34.0 | 37.0 | 62.5 | 49.8 | 47.0 | 52.9 | 51.9 | 18.7 | 19.2 | 17.5 | 10.5 | 10.3 | 12.7 | 8.5 | 8.1 | 12.3 | 10.0 | 8.5 |
| 23 | 9.5 | 21.0 | 8.4 | 9.3 | 6.9 | 8.6 | 13.4 | 18.2 | 17.9 | 13.8 | 11.1 | 9.4 | 10.6 | 10.2 | 9.0 | 5.7 | 5.9 | 6.7 | 14.5 | 8.8 | 8.6 | 4.8 | 8.6 | 8.9 |
| 24 | 5.4 | 10.8 | 18.8 | 17.0 | 16.5 | 14.9 | 12.9 | 12.2 | 17.5 | 12.0 | 10.8 | 11.1 | 9.9 | 7.3 | 7.2 | 5.9 | 7.2 | 6.7 | 6.3 | 5.7 | 5.7 | 5.7 | 7.8 | 12.1 |
| 25 | 9.4 | 9.6 | 10.2 | 9.6 | 17.9 | 11.9 | 23.0 | 28.3 | 45.9 | 32.1 | 27.0 | 14.8 | 8.8 | 7.3 | 6.9 | 6.7 | 6.3 | 6.6 | 7.3 | 13.0 | 10.5 | 9.0 | 9.0 | 12.0 |
| 26 | 9.7 | 9.1 | 9.2 | 6.9 | 8.4 | 8.3 | 4.3 | 8.2 | 10.5 | 15.0 | 17.3 | 35.9 | 44.4 | 36.7 | 44.3 | 27.5 | 22.1 | 12.7 | 11.7 | 11.3 | 10.2 | 8.6 | 7.4 | 9.7 |
| 27 | 8.5 | 7.6 | 7.2 | 7.9 | 6.9 | 5.7 | 6.7 | 7.0 | 9.9 | 16.1 | 36.3 | 12.7 | 8.1 | 7.1 | 8.4 | 8.1 | 8.3 | 6.7 | 10.5 | 10.3 | 8.5 | 10.2 | 10.6 | 8.4 |
| 28 | 6.5 | 8.7 | 5.2 | 7.9 | 5.9 | 4.8 | 7.3 | 8.7 | 14.4 | 31.0 | 42.9 | 30.3 | 32.2 | 15.5 | 8.4 | 7.3 | 21.4 | 36.8 | 25.7 | 26.8 | 30.0 | 18.8 | 19.6 | 20.3 |
| 29 | 23.2 | 9.6 | 6.3 | 5.6 | 7.7 | 4.6 | 4.4 | 31.5 | 33.6 | 33.8 | 26.1 | 42.4 | 48.8 | 31.2 | 16.5 | 9.1 | 6.7 | 42.5 | 23.3 | 13.6 | 30.2 | 21.5 | 18.5 | 11.9 |
| 30 | 6.4 | 8.7 | 17.0 | 23.1 | 12.6 | 9.1 | 9.9 | 19.9 | 31.1 | 41.0 | 32.1 | 28.7 | 26.3 | 12.6 | 7.4 | 6.5 | 5.8 | 6.6 | 9.1 | 16.3 | 22.5 | 16.5 | 19.0 | 19.0 |
| 31 | 16.6 | 8.7 | 10.6 | 11.2 | 21.1 | 8.9 | 6.7 | 9.2 | 9.7 | 38.8 | 46.2 | 51.8 | 54.1 | 24.6 | 16.2 | 8.0 | 7.6 | 44.0 | 12.0 | 22.8 | 20.6 | 14.3 | 8.5 | 20.9 |
| AVG. | 11.1 | 11.7 | 12.4 | 12.5 | 13.0 | 11.9 | 11.6 | 18.4 | 25.0 | 28.0 | 30.1 | 28.0 | 26.8 | 19.9 | 17.3 | 13.2 | 11.9 | 13.7 | 11.1 | 11.5 | 11.7 | 11.9 | 12.0 | 13.2 |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Shadow Mountain

ELEVATION : 4120 feet

PARAMETER : Standard Deviation of Wind Direction (Sigma Theta)

LATITUDE : 34 degrees 44 minutes 15 seconds

LONGITUDE : 117 degrees 33 minutes 54 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 3.7 | 3.6 | 3.3 | 2.9 | 2.9 | 2.7 | 3.4 | 4.5 | 8.3 | 24.5 | 31.6 | 39.7 | 53.2 | 21.0 | 43.3 | 19.2 | 11.8 | 7.9 | 6.7 | 5.3 | 5.1 | 4.4 | 4.5 | 4.4 |
| 2 | 3.4 | 4.1 | 3.5 | 4.0 | 4.2 | 3.7 | 4.7 | 5.5 | 8.9 | 10.7 | 12.3 | 24.3 | 24.4 | 19.6 | 14.5 | 12.7 | 8.7 | 7.4 | 6.4 | 5.8 | 5.3 | 4.9 | 4.6 | 4.4 |
| 3 | 4.0 | 4.5 | 4.1 | 3.7 | 4.1 | 3.5 | 5.3 | 5.9 | 7.1 | 12.1 | 12.6 | 14.4 | 14.0 | 18.4 | 14.3 | 11.2 | 7.0 | 7.8 | 6.2 | 4.8 | 4.6 | 4.9 | 4.0 | 4.2 |
| 4 | 9.1 | 3.2 | 2.9 | 2.1 | 2.1 | 2.4 | 6.8 | 7.9 | 14.6 | 18.9 | 31.5 | 31.7 | 26.9 | 18.8 | 23.3 | 13.2 | 10.6 | 8.6 | 4.8 | 3.9 | 3.7 | 4.2 | 4.4 | 4.3 |
| 5 | 3.5 | 3.3 | 2.9 | 2.5 | 2.6 | 3.5 | 4.8 | 8.0 | 10.3 | 13.2 | 10.9 | 12.9 | 13.2 | 11.1 | 9.0 | 9.4 | 9.8 | 7.5 | 6.1 | 4.7 | 4.3 | 5.1 | 4.7 | 4.8 |
| 6 | 4.9 | 4.6 | 5.9 | 5.4 | 3.6 | 3.5 | 3.8 | 5.1 | 6.7 | 10.2 | 10.8 | 11.9 | 16.6 | 11.7 | 10.1 | 9.7 | 8.1 | 7.1 | 5.6 | 5.0 | 4.8 | 4.4 | 3.0 | 4.4 |
| 7 | 3.1 | 2.3 | 3.4 | 3.7 | 3.8 | 3.8 | 4.0 | 7.0 | 11.2 | 11.8 | 18.4 | 21.6 | 12.9 | 10.3 | 10.6 | 11.2 | 8.3 | 7.6 | 6.7 | 6.5 | 4.4 | 5.6 | 4.4 | 4.1 |
| 8 | 4.6 | 4.5 | 4.1 | 5.1 | 4.4 | 4.1 | 51.3 | 26.0 | 26.1 | 19.1 | 20.9 | 36.6 | 35.0 | 24.0 | 27.3 | 23.5 | 9.4 | 7.9 | 6.1 | 5.6 | 5.0 | 9.8 | 4.5 | 3.6 |
| 9 | 3.6 | 3.6 | 2.8 | 2.0 | 3.4 | 3.5 | 4.3 | 15.5 | 52.5 | 55.7 | 32.2 | 23.3 | 28.5 | 19.2 | 34.4 | 10.2 | 7.7 | 6.8 | 6.1 | 5.4 | 5.4 | 5.4 | 6.8 | 6.4 |
| 10 | 8.5 | 3.6 | 3.9 | 2.2 | 4.4 | 4.2 | 7.2 | 6.8 | 5.6 | 6.8 | 15.9 | 14.0 | 15.1 | 15.2 | 11.4 | 9.3 | 8.1 | 6.6 | 5.6 | 4.5 | 5.2 | 3.3 | 4.0 | 4.5 |
| 11 | 4.2 | 4.4 | 4.0 | 4.0 | 4.8 | 6.9 | 13.3 | 18.0 | 26.1 | 40.4 | 51.5 | 15.0 | 16.2 | 13.5 | 14.9 | 11.4 | 10.4 | 7.8 | 5.5 | 3.9 | 3.3 | 6.6 | 5.7 | 6.4 |
| 12 | 5.0 | 6.4 | 4.9 | 3.6 | 30.8 | 15.6 | 13.9 | 26.6 | 36.4 | 36.2 | 58.9 | 42.2 | 58.0 | 34.3 | 16.5 | 11.9 | 8.5 | 7.0 | 5.2 | 6.1 | 5.7 | 6.7 | 3.8 | 4.6 |
| 13 | 5.3 | 4.2 | 4.3 | 4.2 | 4.5 | 4.0 | 4.4 | 8.1 | 23.0 | 22.1 | 20.7 | 22.4 | 27.6 | 29.8 | 17.7 | 11.0 | 8.6 | 7.6 | 6.1 | 5.4 | 4.6 | 5.4 | 5.3 | 4.3 |
| 14 | 3.8 | 4.2 | 4.0 | 4.0 | 4.2 | 3.8 | 6.3 | 7.9 | 11.0 | 18.0 | 13.8 | 13.8 | 25.8 | 22.8 | 15.9 | 11.3 | 8.6 | 7.3 | 5.7 | 5.2 | 4.7 | 4.3 | 4.0 | 4.2 |
| 15 | 5.0 | 5.0 | 5.3 | 5.5 | 4.4 | 29.3 | 19.7 | 37.5 | 55.6 | 40.6 | 43.5 | 69.3 | 21.0 | 28.3 | 13.8 | 16.7 | 8.8 | 7.6 | 5.8 | 5.3 | 4.8 | 5.8 | 5.6 | 4.8 |
| 16 | 5.1 | 3.3 | 3.5 | 2.9 | 4.7 | 7.4 | 9.1 | 7.1 | 8.6 | 9.9 | 10.4 | 10.8 | 10.3 | 9.4 | 9.9 | 9.0 | 7.9 | 5.9 | 5.8 | 5.3 | 5.1 | 5.2 | 5.2 | 4.9 |
| 17 | 5.6 | 6.5 | 5.7 | 5.0 | 4.7 | 5.1 | 4.8 | 5.2 | 7.4 | 9.9 | 11.6 | 11.5 | 11.7 | 11.2 | 10.7 | 7.7 | 8.8 | 7.3 | 6.1 | 4.9 | 10.5 | 4.8 | 5.1 | 28.2 |
| 18 | 8.9 | 10.3 | 11.0 | 9.1 | 7.3 | 7.7 | 10.6 | 25.5 | 10.4 | 30.2 | 34.0 | 47.3 | 43.5 | 51.7 | 57.1 | 45.6 | 62.8 | 37.0 | 23.9 | 36.4 | 3.5 | 2.2 | 4.3 | 5.5 |
| 19 | 6.4 | 3.5 | 5.2 | 9.6 | 9.0 | 6.1 | 14.0 | 37.0 | 43.7 | 34.9 | 23.7 | 38.0 | 25.0 | 12.6 | 15.4 | 41.7 | 12.9 | 12.5 | 21.2 | 9.5 | 24.1 | 0.4 | 3.9 | 7.2 |
| 20 | 4.6 | 1.7 | 1.1 | 0.9 | 0.5 | 0.7 | 2.0 | 19.5 | 11.0 | 17.3 | 22.3 | 28.6 | 24.4 | 25.9 | 29.3 | 20.1 | 27.0 | 29.4 | 8.2 | 3.6 | 6.4 | 9.1 | 20.9 | 15.5 |
| 21 | 22.6 | 8.4 | 10.8 | 9.0 | 16.7 | 11.7 | 14.7 | 18.6 | 10.8 | 14.7 | 23.2 | 33.6 | 35.9 | 22.3 | 30.0 | 13.9 | 30.6 | 23.5 | 61.8 | 43.2 | 24.0 | 7.2 | 6.8 | 2.9 |
| 22 | 10.8 | 11.1 | 4.5 | 5.4 | 6.0 | 18.6 | 29.8 | 41.1 | 35.0 | 22.5 | 16.7 | 37.6 | 30.9 | 32.5 | 25.6 | 21.5 | 10.2 | 8.6 | 5.6 | 5.9 | 4.8 | 5.1 | 4.7 | 4.2 |
| 23 | 3.7 | 4.5 | 5.9 | 4.5 | 4.1 | 3.3 | 6.1 | 20.0 | 19.9 | 59.6 | 34.8 | 33.1 | 28.8 | 25.3 | 15.6 | 12.8 | 7.6 | 7.4 | 6.1 | 5.5 | 5.2 | 6.2 | 4.7 | 4.3 |
| 24 | 4.7 | 5.8 | 5.1 | 5.2 | 5.0 | 3.2 | 6.0 | 40.5 | 41.8 | 53.3 | 46.6 | 34.0 | 19.3 | 33.8 | 31.7 | 17.9 | 12.1 | 6.5 | 5.6 | 7.1 | 7.2 | 5.3 | 6.1 | 5.7 |
| 25 | 4.7 | 4.5 | 3.8 | 3.7 | 4.5 | 3.2 | 5.2 | 8.5 | 11.0 | 27.2 | 32.5 | 24.0 | 15.2 | 15.6 | 9.4 | 8.3 | 8.9 | 6.7 | 6.4 | 6.0 | 4.4 | 3.0 | 3.5 | 3.7 |
| 26 | 2.2 | 3.3 | 3.6 | 3.4 | 3.8 | 2.6 | 4.1 | 16.9 | 16.5 | 18.8 | 14.2 | 12.7 | 10.5 | 11.2 | 10.2 | 8.5 | 8.0 | 6.8 | 5.1 | 3.3 | 3.5 | 3.1 | 3.5 | 4.4 |
| 27 | 6.7 | 2.6 | 4.9 | 4.1 | 4.1 | 3.4 | 3.7 | 7.1 | 22.2 | 23.1 | 23.3 | 20.1 | 25.8 | 23.3 | 13.4 | 9.8 | 8.6 | 7.2 | 6.4 | 5.3 | 3.9 | 3.0 | 2.7 | 3.3 |
| 28 | 3.8 | 3.6 | 2.3 | 3.0 | 2.6 | 3.0 | 4.7 | 10.6 | 40.4 | 17.6 | 19.0 | 24.5 | 27.0 | 31.5 | 16.3 | 15.7 | 10.4 | 7.6 | 6.6 | 10.3 | 4.5 | 4.8 | 4.9 | 4.3 |
| 29 | 4.2 | 4.1 | 3.4 | 5.6 | 4.9 | 4.3 | 4.9 | 6.2 | 15.2 | 21.5 | 20.0 | 21.5 | 24.2 | 15.2 | 19.1 | 12.4 | 10.2 | 7.2 | 5.9 | 5.4 | 4.5 | 4.7 | 3.7 | 3.2 |
| 30 | 3.5 | 3.0 | 2.7 | 3.3 | 3.5 | 3.4 | 4.2 | 6.0 | 8.0 | 10.4 | 13.1 | 15.5 | 17.8 | 33.1 | 18.2 | 13.9 | 9.5 | 6.7 | 5.2 | 5.1 | 4.0 | 4.0 | 2.8 | 2.5 |
| 31 | 3.2 | 3.1 | 3.9 | 1.9 | 1.9 | 4.0 | 7.2 | 31.5 | 36.8 | 35.3 | 24.4 | 34.1 | 23.9 | 29.2 | 18.0 | 12.5 | 8.9 | 7.3 | 5.9 | 6.1 | 6.0 | 4.3 | 3.3 | 2.7 |
| AVG. | 5.6 | 4.5 | 4.4 | 4.2 | 5.4 | 5.9 | 9.2 | 15.9 | 20.7 | 24.1 | 24.4 | 26.5 | 24.6 | 22.0 | 19.6 | 14.9 | 12.2 | 9.7 | 8.9 | 7.8 | 6.2 | 4.9 | 5.0 | 5.5 |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Baldy Mesa

LATITUDE : 34 degrees 23 minutes 20 seconds

MONTH : August

ELEVATION : 4250 feet

LONGITUDE : 117 degrees 26 minutes 33 seconds

YEAR : 1995

PARAMETER : Shelter 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 | 21.4 | 21.1 | 20.8 | 20.7 | 20.6 | 20.5 | 20.7 | 21.1 | 21.8 | 22.5 | 23.3 | 24.2 | 24.9 | 25.3 | 25.6 | 25.9 | 26.2 | 26.2 | 25.6 | 24.4 | 23.3 | 22.4 | 21.8 | 21.4 | 26.2 | 20.5 |
| 2 | 21.1 | 20.8 | 20.6 | 20.5 | 20.4 | 20.4 | 20.5 | 20.9 | 21.5 | 22.1 | 22.8 | 23.7 | 24.4 | 25.1 | 25.5 | 25.9 | 26.3 | 26.3 | 25.8 | 24.7 | 23.5 | 22.6 | 21.9 | 21.4 | 26.3 | 20.4 |
| 3 | 21.1 | 20.8 | 20.6 | 20.5 | 20.4 | 20.3 | 20.4 | 20.8 | 21.5 | 22.3 | 23.3 | 24.1 | 24.7 | 25.3 | 25.7 | 26.2 | 26.6 | 26.7 | 26.1 | 24.9 | 23.6 | 22.6 | 21.8 | 21.2 | 26.7 | 20.3 |
| 4 | 20.8 | 20.5 | 20.3 | 20.1 | 20.0 | 19.9 | 20.0 | 20.4 | 21.0 | 21.8 | 22.7 | 23.5 | 24.2 | 24.7 | 25.3 | 25.7 | 26.0 | 25.7 | 25.0 | 23.9 | 22.8 | 22.0 | 21.3 | 20.8 | 26.0 | 19.9 |
| 5 | 20.4 | 20.2 | 20.0 | 19.9 | 19.9 | 19.9 | 20.0 | 20.4 | 21.1 | 21.9 | 22.7 | 23.5 | 24.1 | 24.8 | 25.4 | 25.9 | 26.2 | 26.0 | 25.3 | 24.1 | 23.0 | 22.0 | 21.4 | 20.9 | 26.2 | 19.9 |
| 6 | 20.6 | 20.4 | 20.3 | 20.1 | 20.1 | 20.0 | 20.2 | 20.6 | 21.3 | 21.9 | 22.7 | 23.5 | 24.5 | 25.2 | 25.8 | 26.2 | 26.6 | 26.5 | 25.8 | 24.6 | 23.4 | 22.5 | 21.8 | 21.3 | 26.6 | 20.0 |
| 7 | 21.0 | 20.7 | 20.6 | 20.5 | 20.5 | 20.5 | 20.6 | 21.1 | 21.8 | 22.4 | 23.3 | 24.1 | 24.8 | 25.4 | 25.7 | 26.0 | 26.3 | 26.1 | 25.1 | 24.1 | 23.3 | 22.5 | 21.9 | 21.4 | 26.3 | 20.5 |
| 8 | 21.1 | 20.8 | 20.6 | 20.5 | 20.3 | 20.2 | 20.3 | 20.7 | 21.4 | 22.1 | 23.0 | 23.9 | 24.8 | 25.7 | 26.9 | 28.4 | 28.8 | 27.8 | 26.8 | 25.5 | 24.1 | 23.0 | 22.2 | 21.7 | 28.8 | 20.2 |
| 9 | 21.3 | 21.0 | 20.9 | 20.7 | 20.6 | 20.5 | 20.6 | 21.1 | 21.9 | 22.7 | 23.5 | 24.1 | 24.7 | 25.3 | 25.7 | 26.0 | 26.0 | 25.6 | 25.1 | 24.3 | 23.3 | 22.4 | 21.7 | 21.3 | 26.0 | 20.5 |
| 10 | 20.9 | 20.6 | 20.4 | 20.3 | 20.3 | 20.2 | 20.2 | 20.5 | 20.8 | 21.2 | 21.8 | 22.6 | 23.4 | 24.0 | 24.5 | 24.9 | 25.0 | 24.9 | 24.4 | 23.5 | 22.5 | 21.7 | 21.2 | 20.8 | 25.0 | 20.2 |
| 11 | 20.5 | 20.3 | 20.1 | 20.0 | 20.0 | 20.0 | 20.1 | 20.6 | 21.2 | 21.9 | 22.8 | 23.5 | 23.9 | 24.2 | 24.5 | 24.7 | 24.9 | 24.9 | 24.7 | 24.0 | 23.0 | 22.2 | 21.5 | 21.1 | 24.9 | 20.0 |
| 12 | 20.7 | 20.5 | 20.4 | 20.3 | 20.2 | 20.1 | 20.3 | 20.8 | 21.5 | 22.4 | 23.2 | 24.0 | 24.6 | 25.2 | 25.7 | 26.0 | 26.1 | 25.8 | 25.0 | 24.1 | 23.1 | 22.3 | 21.7 | 21.2 | 26.1 | 20.1 |
| 13 | 20.8 | 20.6 | 20.3 | 20.2 | 20.2 | 20.2 | 20.3 | 20.8 | 21.5 | 22.3 | 23.1 | 23.8 | 24.3 | 24.9 | 25.4 | 25.7 | 25.7 | 25.3 | 24.9 | 23.9 | 22.8 | 21.9 | 21.3 | 20.8 | 25.7 | 20.2 |
| 14 | 20.5 | 20.3 | 20.2 | 20.1 | 20.0 | 20.0 | 20.1 | 20.5 | 21.1 | 21.7 | 22.5 | 23.3 | 24.0 | 24.5 | 25.0 | 25.5 | 25.7 | 25.4 | 24.8 | 23.8 | 22.7 | 21.8 | 21.1 | 20.6 | 25.7 | 20.0 |
| 15 | 20.3 | 20.1 | 20.0 | 19.9 | 19.9 | 19.9 | 20.0 | 20.3 | 20.7 | 21.4 | 22.0 | 22.6 | 23.0 | 23.5 | 24.0 | 24.4 | 24.6 | 24.5 | 24.2 | 23.2 | 22.1 | 21.3 | 20.6 | 20.3 | 24.6 | 19.9 |
| 16 | 20.1 | 19.9 | 19.7 | 19.6 | 19.5 | 19.4 | 19.5 | 19.7 | 20.1 | 20.5 | 20.9 | 21.4 | 21.8 | 22.3 | 22.8 | 23.3 | 23.5 | 23.5 | 23.2 | 22.3 | 21.4 | 20.7 | 20.4 | 21.1 | 23.5 | 19.4 |
| 17 | 22.2 | 22.3 | 21.7 | 21.1 | 20.6 | 20.1 | 20.0 | 20.5 | 21.4 | 22.1 | 21.9 | 21.8 | 22.0 | 22.5 | 23.1 | 23.5 | 23.6 | 23.3 | 22.7 | 21.7 | 20.8 | 20.0 | 19.6 | 19.4 | 23.6 | 19.4 |
| 18 | 19.2 | 19.0 | 18.8 | 18.5 | 18.3 | 18.2 | 18.4 | 18.8 | 19.3 | 19.8 | 20.5 | 21.1 | 21.7 | 22.3 | 23.0 | 23.3 | 23.5 | 23.5 | 23.1 | 22.3 | 21.4 | 20.9 | 20.3 | 19.9 | 23.5 | 18.2 |
| 19 | 19.6 | 19.4 | 19.3 | 19.2 | 19.1 | 19.2 | 19.2 | 19.5 | 20.2 | 21.1 | 22.0 | 22.9 | 23.6 | 24.3 | 25.0 | 25.4 | 25.3 | 24.7 | 24.0 | 23.1 | 22.2 | 21.5 | 21.0 | 20.5 | 25.4 | 19.1 |
| 20 | 20.2 | 20.0 | 19.8 | 19.7 | 19.6 | 19.6 | 19.6 | 19.9 | 20.4 | 21.2 | 21.9 | 22.7 | 23.3 | 23.7 | 23.9 | 24.1 | 23.6 | 23.0 | 22.4 | 21.7 | 21.2 | 20.7 | 20.4 | 20.1 | 24.1 | 19.6 |
| 21 | 19.9 | 19.8 | 19.7 | 19.6 | 19.6 | 19.5 | 19.6 | 19.8 | 20.0 | 20.6 | 21.2 | 21.7 | 22.1 | 22.3 | 22.7 | 23.4 | 23.5 | 23.5 | 23.2 | 22.5 | 21.8 | 21.2 | 20.8 | 20.4 | 23.5 | 19.5 |
| 22 | 20.1 | 19.9 | 19.7 | 19.5 | 19.5 | 19.4 | 19.5 | 19.8 | 20.5 | 21.2 | 21.8 | 22.3 | 23.1 | 23.9 | 24.4 | 24.8 | 25.1 | 25.0 | 24.3 | 23.3 | 22.3 | 21.5 | 20.9 | 20.5 | 25.1 | 19.4 |
| 23 | 20.2 | 20.0 | 19.8 | 19.7 | 19.6 | 19.5 | 19.5 | 19.9 | 20.5 | 21.2 | 22.0 | 22.8 | 23.5 | 24.1 | 24.5 | 24.5 | 24.3 | 24.0 | 23.5 | 22.5 | 21.5 | 20.8 | 20.2 | 19.8 | 24.5 | 19.5 |
| 24 | 19.5 | 19.4 | 19.3 | 19.2 | 19.3 | 19.4 | 19.3 | 19.6 | 20.3 | 21.1 | 22.0 | 22.7 | 23.4 | 24.0 | 24.7 | 25.3 | 25.3 | 24.9 | 24.2 | 23.1 | 22.1 | 21.3 | 20.7 | 20.2 | 25.3 | 19.2 |
| 25 | 19.8 | 19.6 | 19.4 | 19.3 | 19.2 | 19.2 | 19.2 | 19.6 | 20.1 | 20.8 | 21.7 | 22.5 | 23.3 | 24.1 | 24.8 | 25.4 | 25.6 | 25.3 | 24.5 | 23.3 | 22.0 | 20.9 | 20.2 | 19.7 | 25.6 | 19.2 |
| 26 | 19.5 | 19.4 | 19.2 | 19.1 | 19.2 | 19.2 | 19.2 | 19.4 | 20.0 | 20.6 | 21.4 | 22.3 | 23.2 | 23.9 | 24.4 | 24.9 | 25.0 | 24.8 | 24.1 | 23.0 | 21.9 | 21.1 | 20.5 | 20.1 | 25.0 | 19.1 |
| 27 | 19.8 | 19.6 | 19.4 | 19.4 | 19.3 | 19.3 | 19.4 | 19.7 | 20.4 | 21.2 | 22.0 | 22.9 | 23.8 | 24.6 | 25.4 | 26.0 | 26.1 | 25.7 | 24.7 | 23.5 | 22.4 | 21.5 | 20.8 | 20.3 | 26.1 | 19.3 |
| 28 | 20.0 | 19.8 | 19.7 | 19.5 | 19.4 | 19.4 | 19.4 | 19.8 | 20.5 | 21.2 | 21.9 | 22.6 | 23.5 | 24.4 | 25.2 | 25.7 | 25.9 | 25.5 | 24.5 | 23.3 | 22.2 | 21.3 | 20.6 | 20.1 | 25.9 | 19.4 |
| 29 | 19.8 | 19.6 | 19.5 | 19.3 | 19.3 | 19.2 | 19.3 | 19.7 | 20.4 | 21.2 | 22.0 | 22.8 | 23.6 | 24.4 | 25.2 | 25.8 | 26.1 | 26.1 | 25.2 | 23.9 | 22.7 | 21.8 | 21.1 | 20.7 | 26.1 | 19.2 |
| 30 | 20.3 | 20.1 | 20.0 | 19.9 | 19.7 | 19.7 | 19.7 | 20.1 | 20.8 | 21.6 | 22.4 | 23.2 | 24.2 | 25.0 | 25.5 | 25.9 | 26.4 | 26.3 | 25.3 | 24.8 | 24.4 | 23.4 | 22.5 | 21.5 | 26.4 | 19.7 |
| 31 | 20.9 | 20.5 | 20.3 | 20.2 | 20.0 | 19.9 | 20.0 | 20.3 | 20.9 | 21.7 | 22.7 | 23.7 | 24.7 | 25.5 | 25.9 | 26.4 | 26.6 | 26.2 | 25.2 | 24.0 | 22.8 | 21.9 | 21.2 | 20.8 | 26.6 | 19.9 |
| AVG. | 20.4 | 20.2 | 20.0 | 19.9 | 19.8 | 19.8 | 19.8 | 20.2 | 20.8 | 21.5 | 22.3 | 23.0 | 23.7 | 24.3 | 24.9 | 25.3 | 25.5 | 25.3 | 24.6 | 23.6 | 22.6 | 21.7 | 21.1 | 20.7 | | |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Boron

LATITUDE : 35 degrees 01 minutes 00 seconds

MONTH : August

ELEVATION : 2460 feet

LONGITUDE : 117 degrees 39 minutes 00 seconds

YEAR : 1995

PARAMETER : Shelter 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 | 22.4 | 22.1 | 21.8 | 21.4 | 20.9 | 20.4 | 20.1 | 20.4 | 21.3 | 22.5 | 23.7 | 24.8 | 25.9 | 27.1 | 28.2 | 28.9 | 29.1 | 28.7 | 27.8 | 26.5 | 25.3 | 24.3 | 23.5 | 22.8 | 29.1 | 20.1 |
| 2 | 22.4 | 22.1 | 21.9 | 21.6 | 21.4 | 21.2 | 21.2 | 21.5 | 22.2 | 23.2 | 24.2 | 24.9 | 25.7 | 26.6 | 27.5 | 28.1 | 28.3 | 27.8 | 26.9 | 25.8 | 24.7 | 23.8 | 23.1 | 22.6 | 28.3 | 21.2 |
| 3 | 22.1 | 21.7 | 21.5 | 21.4 | 21.3 | 21.1 | 21.1 | 21.5 | 22.3 | 23.2 | 24.2 | 25.0 | 25.6 | 26.2 | 26.5 | 26.7 | 26.6 | 26.3 | 26.0 | 25.3 | 24.3 | 23.3 | 22.5 | 21.9 | 26.7 | 21.1 |
| 4 | 21.5 | 21.1 | 20.7 | 20.3 | 19.9 | 19.8 | 19.8 | 20.3 | 21.3 | 22.5 | 23.6 | 24.6 | 25.3 | 25.8 | 26.1 | 26.3 | 26.2 | 26.1 | 25.7 | 25.0 | 24.1 | 23.1 | 22.4 | 21.9 | 26.3 | 19.8 |
| 5 | 21.5 | 21.2 | 21.0 | 20.9 | 20.7 | 20.5 | 20.4 | 20.7 | 21.5 | 22.4 | 23.4 | 24.3 | 25.1 | 25.6 | 25.9 | 26.1 | 26.0 | 26.0 | 25.7 | 25.0 | 24.0 | 23.1 | 22.3 | 21.7 | 26.1 | 20.4 |
| 6 | 21.2 | 20.9 | 20.7 | 20.4 | 20.2 | 19.9 | 19.5 | 20.1 | 21.1 | 22.2 | 23.3 | 24.3 | 25.1 | 25.7 | 26.4 | 26.9 | 27.0 | 26.6 | 26.2 | 25.4 | 24.4 | 23.4 | 22.8 | 22.3 | 27.0 | 19.5 |
| 7 | 21.8 | 21.4 | 20.9 | 20.4 | 20.1 | 19.8 | 19.7 | 20.3 | 21.6 | 22.9 | 24.1 | 25.0 | 25.7 | 26.2 | 26.7 | 27.0 | 26.8 | 26.5 | 26.2 | 25.5 | 24.4 | 23.4 | 22.7 | 22.1 | 27.0 | 19.7 |
| 8 | 21.6 | 21.1 | 20.7 | 20.4 | 20.0 | 19.7 | 19.6 | 20.0 | 21.0 | 22.3 | 23.5 | 24.5 | 25.2 | 25.8 | 26.4 | 26.9 | 27.0 | 26.7 | 26.2 | 25.5 | 24.5 | 23.5 | 22.8 | 22.1 | 27.0 | 19.6 |
| 9 | 21.5 | 21.0 | 20.5 | 20.1 | 19.8 | 19.3 | 19.3 | 19.8 | 21.0 | 22.3 | 23.5 | 24.6 | 25.3 | 26.2 | 26.8 | 27.2 | 28.9 | 29.8 | 29.4 | 28.3 | 27.0 | 25.3 | 23.6 | 22.4 | 29.8 | 19.3 |
| 10 | 21.7 | 21.1 | 20.6 | 20.2 | 19.8 | 19.8 | 19.8 | 20.0 | 20.6 | 21.5 | 22.4 | 23.5 | 24.6 | 25.5 | 26.0 | 26.3 | 26.3 | 26.3 | 25.8 | 25.0 | 23.9 | 22.9 | 22.1 | 21.5 | 26.3 | 19.8 |
| 11 | 21.0 | 20.5 | 20.1 | 19.7 | 19.4 | 19.1 | 18.9 | 19.3 | 20.3 | 21.5 | 22.7 | 23.8 | 24.6 | 25.4 | 25.8 | 26.1 | 26.2 | 26.1 | 25.6 | 24.8 | 23.7 | 22.9 | 22.3 | 21.7 | 26.2 | 18.9 |
| 12 | 21.2 | 20.8 | 20.4 | 19.9 | 16.8 | 12.2 | 8.9 | 8.2 | 9.9 | 12.6 | 15.4 | 18.0 | 20.3 | 22.3 | 23.6 | 24.9 | 25.7 | 25.9 | 25.6 | 24.9 | 23.9 | 23.0 | 22.2 | 21.7 | 25.9 | 8.2 |
| 13 | 21.3 | 21.0 | 20.7 | 20.3 | 20.0 | 19.8 | 19.7 | 20.2 | 21.2 | 22.3 | 23.5 | 24.5 | 25.3 | 25.9 | 26.2 | 26.4 | 26.4 | 26.3 | 25.9 | 25.0 | 23.9 | 23.0 | 22.2 | 21.7 | 26.4 | 19.7 |
| 14 | 21.3 | 21.0 | 20.8 | 20.5 | 20.2 | 19.9 | 19.6 | 19.9 | 20.8 | 22.0 | 23.3 | 24.3 | 25.1 | 25.7 | 26.2 | 26.4 | 26.3 | 25.7 | 25.4 | 24.6 | 23.6 | 22.8 | 22.2 | 21.7 | 26.4 | 19.6 |
| 15 | 21.3 | 21.0 | 20.6 | 18.1 | 14.3 | 11.5 | 9.5 | 9.2 | 10.6 | 13.0 | 15.6 | 18.0 | 20.1 | 21.8 | 23.2 | 24.0 | 24.2 | 23.8 | 22.5 | 20.3 | 17.6 | 15.1 | 13.0 | 11.5 | 24.2 | 9.2 |
| 16 | 10.5 | 9.8 | 9.3 | 8.8 | 8.1 | 7.3 | 6.7 | 7.4 | 9.1 | 11.6 | 14.1 | 16.5 | 18.5 | 20.1 | 21.2 | 21.9 | 22.0 | 21.6 | 20.5 | 18.6 | 16.4 | 14.3 | 12.7 | 11.6 | 22.0 | 6.7 |
| 17 | 10.8 | 10.6 | 10.7 | 11.6 | 13.2 | 14.9 | 16.3 | 17.8 | 19.5 | 20.9 | 22.1 | 23.0 | 23.8 | 24.5 | 25.0 | 25.3 | 25.3 | 24.9 | 24.3 | 23.3 | 22.3 | 21.3 | 20.7 | 20.2 | 25.3 | 10.6 |
| 18 | 19.8 | 19.6 | 19.3 | 19.2 | 19.0 | 18.9 | 18.8 | 19.1 | 19.9 | 20.9 | 22.0 | 23.2 | 24.1 | 24.9 | 25.4 | 25.7 | 26.5 | 27.5 | 27.2 | 25.8 | 23.1 | 19.1 | 15.8 | 13.3 | 27.5 | 13.3 |
| 19 | 11.2 | 9.4 | 8.2 | 7.6 | 7.2 | 6.9 | 7.2 | 9.1 | 13.2 | 18.3 | 23.3 | 28.0 | 31.9 | 35.0 | 37.4 | 39.1 | 40.1 | 40.4 | 40.1 | 39.0 | 37.0 | 34.9 | 33.0 | 31.4 | 40.4 | 6.9 |
| 20 | 30.2 | 29.2 | 28.1 | 27.2 | 26.4 | 25.7 | 25.4 | 25.5 | 26.4 | 28.3 | 30.6 | 32.8 | 34.6 | 36.2 | 37.4 | 38.3 | 38.4 | 38.0 | 36.8 | 35.3 | 33.7 | 32.2 | 30.8 | 29.7 | 38.4 | 25.4 |
| 21 | 28.7 | 27.8 | 27.1 | 26.6 | 26.3 | 26.1 | 26.0 | 26.0 | 26.5 | 27.4 | 28.7 | 30.7 | 33.2 | 35.4 | 36.9 | 37.8 | 38.1 | 37.2 | 35.2 | 33.3 | 31.6 | 30.2 | 29.0 | 28.0 | 38.1 | 26.0 |
| 22 | 27.2 | 26.7 | 26.1 | 25.6 | 25.1 | 24.0 | 23.1 | 22.9 | 23.3 | 24.2 | 25.1 | 26.0 | 26.8 | 27.3 | 27.6 | 27.8 | 27.6 | 27.5 | 27.0 | 26.2 | 25.4 | 24.6 | 24.0 | 23.4 | 27.8 | 22.9 |
| 23 | 23.1 | 22.9 | 22.6 | 22.4 | 22.1 | 21.8 | 21.6 | 21.8 | 22.7 | 23.7 | 24.7 | 25.6 | 26.4 | 26.9 | 27.2 | 27.3 | 27.2 | 26.9 | 26.2 | 25.2 | 24.1 | 23.3 | 22.8 | 22.5 | 27.3 | 21.6 |
| 24 | 22.3 | 22.0 | 21.7 | 21.3 | 21.1 | 20.9 | 20.7 | 20.8 | 21.7 | 23.0 | 24.3 | 25.4 | 26.3 | 26.9 | 27.3 | 27.5 | 27.5 | 27.2 | 26.5 | 25.5 | 24.4 | 23.5 | 22.8 | 22.2 | 27.5 | 20.7 |
| 25 | 21.7 | 21.4 | 21.3 | 21.1 | 21.0 | 21.0 | 20.9 | 20.8 | 21.7 | 22.8 | 24.0 | 25.0 | 25.8 | 26.5 | 26.9 | 27.2 | 27.1 | 26.9 | 26.3 | 25.3 | 24.1 | 23.1 | 22.2 | 21.9 | 27.2 | 20.8 |
| 26 | 21.8 | 21.6 | 21.4 | 21.2 | 21.1 | 21.0 | 20.9 | 21.0 | 21.8 | 22.9 | 24.1 | 25.2 | 26.1 | 26.8 | 27.3 | 27.5 | 27.5 | 27.3 | 26.8 | 25.8 | 24.6 | 23.7 | 23.0 | 22.4 | 27.5 | 20.9 |
| 27 | 22.0 | 21.8 | 21.6 | 21.4 | 21.3 | 21.3 | 21.0 | 21.1 | 21.9 | 23.2 | 24.5 | 25.5 | 26.4 | 27.1 | 27.6 | 27.8 | 27.8 | 27.5 | 26.9 | 26.0 | 24.9 | 24.0 | 23.2 | 22.7 | 27.8 | 21.0 |
| 28 | 22.2 | 22.0 | 21.7 | 21.4 | 21.1 | 20.9 | 20.7 | 20.9 | 21.5 | 23.0 | 24.6 | 25.8 | 26.7 | 27.3 | 27.8 | 28.1 | 28.1 | 27.8 | 27.3 | 26.2 | 25.0 | 24.0 | 23.3 | 22.8 | 28.1 | 20.7 |
| 29 | 22.4 | 22.1 | 21.8 | 21.4 | 21.3 | 21.3 | 21.4 | 21.5 | 22.3 | 23.5 | 24.7 | 25.9 | 26.8 | 27.5 | 28.0 | 28.3 | 28.4 | 28.2 | 27.6 | 26.6 | 25.5 | 24.4 | 23.6 | 23.1 | 28.4 | 21.3 |
| 30 | 22.5 | 22.2 | 21.9 | 21.7 | 21.4 | 21.4 | 21.2 | 21.0 | 22.0 | 23.5 | 24.9 | 26.1 | 27.0 | 27.8 | 28.3 | 28.6 | 28.6 | 28.4 | 27.8 | 26.8 | 25.7 | 24.7 | 24.1 | 23.6 | 28.6 | 21.0 |
| 31 | 23.1 | 22.7 | 22.3 | 21.9 | 21.6 | 21.5 | 21.4 | 21.4 | 22.2 | 23.6 | 25.0 | 26.3 | 27.3 | 28.0 | 28.5 | 28.7 | 28.7 | 28.4 | 28.0 | 28.4 | 27.6 | 25.8 | 24.5 | 23.7 | 28.7 | 21.4 |
| AVG. | 21.4 | 21.0 | 20.6 | 20.2 | 19.7 | 19.3 | 19.0 | 19.3 | 20.4 | 21.8 | 23.3 | 24.7 | 25.8 | 26.8 | 27.5 | 27.9 | 28.1 | 27.9 | 27.3 | 26.3 | 25.0 | 23.7 | 22.7 | 22.0 | | |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Catalina Airport

LATITUDE : 33 degrees 24 minutes 00 seconds

MONTH : August

ELEVATION : 1602 feet

LONGITUDE : 118 degrees 24 minutes 30 seconds

YEAR : 1995

PARAMETER : Shelter 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 | 31.3 | 31.2 | 31.1 | 31.1 | 31.0 | 30.9 | 30.8 | 30.7 | 30.6 | 30.6 | 30.7 | 30.8 | 30.9 | 31.0 | 31.2 | 31.3 | 31.4 | 31.5 | 31.6 | 31.6 | 31.5 | 31.4 | 31.2 | 31.1 | 31.6 | 30.6 |
| 2 | 31.0 | 31.0 | 30.9 | 30.8 | 30.7 | 30.6 | 30.6 | 30.6 | 30.5 | 30.6 | [SC] | 30.8 | 30.9 | 31.0 | 31.1 | 31.3 | 31.4 | 31.4 | 31.5 | 31.4 | 31.3 | 31.3 | 31.2 | 31.1 | | |
| 3 | 31.1 | 31.0 | 31.0 | 30.9 | 30.9 | 30.8 | 30.7 | 30.7 | 30.7 | 30.8 | 30.9 | 31.0 | 31.2 | 31.4 | 31.6 | 31.8 | 32.0 | 32.2 | 32.3 | 32.3 | 32.3 | 32.3 | 32.2 | 32.1 | 32.3 | 30.7 |
| 4 | 32.0 | 31.9 | 31.8 | 31.6 | 31.4 | 31.3 | 31.1 | 31.0 | 30.9 | 30.9 | 31.0 | 31.1 | 31.2 | 31.4 | 31.5 | 31.7 | 31.8 | 31.9 | 31.9 | 32.0 | 31.9 | 31.8 | 31.7 | 31.6 | 32.0 | 30.9 |
| 5 | 31.6 | 31.5 | 31.4 | 31.3 | 31.2 | 31.1 | 31.0 | 31.0 | 30.9 | 31.0 | 31.1 | 31.2 | 31.4 | 31.6 | 31.7 | 31.8 | 31.9 | 32.0 | 32.1 | 32.1 | 32.0 | 31.9 | 31.7 | 31.6 | 32.1 | 30.9 |
| 6 | 31.5 | 31.3 | 31.2 | 31.1 | 31.0 | 30.8 | 30.7 | 30.7 | 30.7 | 30.7 | 30.8 | 30.9 | 31.0 | 31.2 | 31.3 | 31.4 | 31.6 | 31.7 | 31.8 | 31.7 | 31.6 | 31.4 | 31.3 | 31.2 | 31.8 | 30.7 |
| 7 | 31.1 | 31.0 | 30.8 | 30.6 | 30.5 | 30.4 | 30.4 | 30.5 | 30.6 | 30.7 | 30.8 | [SC] | [SC] | 31.5 | 32.3 | 32.3 | 32.3 | 32.4 | 32.5 | 32.5 | 32.4 | 32.3 | 32.2 | 32.1 | | |
| 8 | 32.1 | 32.0 | 31.9 | 31.8 | 31.7 | 31.6 | 31.6 | 31.6 | 31.7 | 31.7 | 31.9 | 32.1 | 32.2 | 32.4 | 32.6 | 32.8 | 33.0 | 33.1 | 33.2 | 33.1 | 33.1 | 33.0 | 32.9 | 32.8 | 33.2 | 31.6 |
| 9 | 32.7 | 32.6 | 32.5 | 32.5 | 32.3 | 32.2 | 32.1 | 32.0 | 32.0 | 31.9 | 32.0 | 32.0 | 32.1 | 32.2 | 32.3 | 32.3 | 32.4 | 32.3 | 32.3 | 32.1 | 31.8 | 31.4 | 31.2 | 31.0 | 32.7 | 31.0 |
| 10 | 30.8 | 30.7 | 30.6 | 30.5 | 30.4 | 30.3 | 30.2 | 30.1 | 30.1 | 30.2 | 30.3 | 30.5 | 30.6 | 30.7 | 30.9 | 31.0 | 31.1 | 31.2 | 31.2 | 31.2 | 31.1 | 31.0 | 30.9 | 30.8 | 31.2 | 30.1 |
| 11 | 30.7 | 30.6 | 30.6 | 30.5 | 30.4 | 30.4 | 30.3 | 30.3 | 30.2 | 30.3 | 30.4 | 30.5 | 30.6 | 30.8 | 31.0 | 31.2 | 31.3 | 31.3 | 31.3 | 31.3 | 31.1 | 31.0 | 30.9 | 30.8 | 31.3 | 30.2 |
| 12 | 30.7 | 30.6 | 30.5 | 30.4 | 30.3 | 30.3 | 30.2 | 30.2 | 30.3 | 30.3 | 30.5 | 30.6 | 30.9 | 31.1 | 31.3 | 31.5 | 31.6 | 31.7 | 31.8 | 31.7 | 31.5 | 31.2 | 31.1 | 31.0 | 31.8 | 30.2 |
| 13 | 30.9 | 30.8 | 30.8 | 30.7 | 30.7 | 30.6 | 30.6 | 30.6 | 30.6 | 30.7 | 30.8 | 30.9 | 31.1 | 31.3 | 31.4 | 31.5 | 31.6 | 31.7 | 31.6 | 31.5 | 31.4 | 31.2 | 31.1 | 31.0 | 31.7 | 30.6 |
| 14 | 31.0 | 31.0 | 31.0 | 30.9 | 30.9 | 30.8 | 30.8 | 30.8 | 30.8 | 30.9 | 31.0 | 31.1 | 31.3 | 31.5 | 31.7 | 31.8 | 32.0 | 32.0 | 32.1 | 32.0 | 32.0 | 31.9 | 31.8 | 31.7 | 32.1 | 30.8 |
| 15 | 31.5 | 31.4 | 31.2 | 31.0 | 30.8 | 30.6 | 30.5 | 30.3 | 30.1 | 30.0 | 30.0 | 30.0 | 30.0 | 30.1 | 30.2 | 30.2 | 30.3 | 30.3 | 30.3 | 30.2 | 30.1 | 30.0 | 29.9 | 29.8 | 31.5 | 29.8 |
| 16 | 29.6 | 29.5 | 29.4 | 29.2 | 29.0 | 28.9 | 28.7 | 28.5 | 28.4 | 28.4 | 28.4 | 28.1 | 27.9 | 27.7 | 27.9 | 28.1 | 28.3 | 28.4 | 28.4 | 28.3 | 28.2 | 28.1 | 28.0 | 27.9 | 29.6 | 27.7 |
| 17 | 27.8 | 27.7 | 27.5 | 27.5 | 27.4 | 27.3 | 27.2 | 27.2 | 27.1 | 27.1 | 27.2 | 27.3 | 27.4 | 27.5 | 27.6 | 27.8 | 27.9 | 28.0 | 28.1 | 28.0 | 27.9 | 27.8 | 27.8 | 27.8 | 28.1 | 27.1 |
| 18 | 27.8 | 27.8 | 27.8 | 27.8 | 27.7 | 27.7 | 27.6 | 27.6 | 27.6 | 27.6 | 27.7 | 27.9 | 28.0 | 28.2 | 28.2 | 27.8 | 27.8 | 28.1 | 28.2 | 28.2 | 28.1 | 28.1 | 28.0 | 27.9 | 28.2 | 27.6 |
| 19 | 27.9 | 27.8 | 27.7 | 27.6 | 27.6 | 27.5 | 27.4 | 27.4 | 27.5 | 27.6 | 27.7 | 27.9 | 28.0 | 28.2 | 28.3 | 28.5 | 28.6 | 28.7 | 28.9 | 28.9 | 28.9 | 28.9 | 28.8 | 28.7 | 28.9 | 27.4 |
| 20 | 28.6 | 28.5 | 28.3 | 28.2 | 28.1 | 27.9 | 27.8 | 27.6 | 27.5 | 27.5 | 27.6 | 27.7 | 27.8 | 27.9 | 28.0 | 28.1 | 28.2 | 28.2 | 28.3 | 28.3 | 28.2 | 28.1 | 28.0 | 28.0 | 28.6 | 27.5 |
| 21 | 27.9 | 27.8 | 27.7 | 27.6 | 27.5 | 27.5 | 27.5 | 27.5 | 27.6 | 27.7 | 27.8 | 28.0 | 28.1 | 28.2 | 28.3 | 28.5 | 28.6 | 28.7 | 28.7 | 28.4 | 28.0 | 27.6 | 27.4 | 27.2 | 28.7 | 27.2 |
| 22 | 27.0 | 26.9 | 26.8 | 26.7 | 26.7 | 26.5 | 26.5 | 26.3 | 26.3 | 26.4 | 26.8 | 27.3 | 27.7 | 28.0 | 28.3 | 28.6 | 28.8 | 28.9 | 28.9 | 28.8 | 28.7 | 28.6 | 28.6 | 28.5 | 28.9 | 26.3 |
| 23 | 28.5 | 28.5 | 28.5 | 28.5 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.5 | 28.6 | 28.7 | 29.1 | 29.5 | 29.5 | 29.2 | 29.1 | 29.1 | 29.0 | 28.9 | 28.7 | 28.4 | 28.2 | 27.9 | 29.5 | 27.9 |
| 24 | 27.8 | 27.6 | 27.5 | 27.4 | 27.2 | 27.2 | 27.0 | 26.9 | 26.9 | 26.9 | 27.0 | 27.1 | 27.3 | 27.5 | 27.7 | 27.9 | 28.1 | 28.2 | 28.3 | 28.3 | 28.3 | 28.1 | 28.0 | 27.9 | 28.3 | 26.9 |
| 25 | 27.8 | 27.8 | 27.7 | 27.6 | 27.5 | 27.4 | 27.3 | 27.2 | 27.2 | 27.2 | 27.3 | 27.5 | 27.7 | 28.0 | 28.1 | 28.3 | 28.5 | 28.7 | 28.8 | 28.8 | 28.7 | 28.5 | 28.4 | 28.4 | 28.8 | 27.2 |
| 26 | 28.3 | 28.2 | 28.1 | 28.0 | 27.9 | 27.8 | 27.7 | 27.6 | 27.6 | 27.6 | 27.7 | 27.8 | 28.0 | 28.1 | 28.3 | 28.4 | 28.5 | 28.6 | 28.6 | 28.6 | 28.4 | 28.3 | 28.1 | 28.1 | 28.6 | 27.6 |
| 27 | 28.0 | 27.9 | 27.9 | 27.9 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.9 | 28.1 | 28.3 | 28.5 | 28.6 | 28.8 | 29.0 | 29.1 | 29.2 | 29.2 | 29.2 | 29.0 | 28.9 | 28.8 | 28.7 | 29.2 | 27.8 |
| 28 | 28.6 | 28.6 | 28.5 | 28.5 | 28.4 | 28.4 | 28.3 | 28.4 | 28.4 | 28.5 | 28.7 | 28.9 | 29.1 | 29.3 | 29.5 | 29.6 | 29.8 | 30.0 | 30.0 | 30.0 | 29.9 | 29.7 | 29.5 | 29.4 | 30.0 | 28.3 |
| 29 | 29.4 | 29.2 | 29.2 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.2 | 29.3 | 29.5 | 29.8 | 30.0 | 30.3 | 30.6 | 30.8 | 31.1 | 31.2 | 31.4 | 31.4 | 31.3 | 31.1 | 31.0 | 30.8 | 31.4 | 29.1 |
| 30 | 30.7 | 30.5 | 30.5 | 30.4 | 30.4 | 30.4 | 30.4 | 30.3 | 30.4 | 30.5 | 30.6 | 30.8 | 31.2 | 32.5 | 33.3 | 33.3 | 33.3 | 33.3 | 33.4 | 33.2 | 33.0 | 32.9 | 32.8 | 32.7 | 33.4 | 30.3 |
| 31 | 32.6 | 32.5 | 32.4 | 32.3 | 32.2 | 32.2 | 32.1 | 32.0 | 32.1 | 32.2 | 32.4 | 32.6 | 32.8 | 32.9 | 33.1 | 33.2 | 33.3 | 33.4 | 33.4 | 33.2 | 33.1 | 32.8 | 32.6 | 32.4 | 33.4 | 32.0 |
| AVG. | 29.9 | 29.9 | 29.8 | 29.7 | 29.6 | 29.5 | 29.4 | 29.4 | 29.4 | 29.4 | 29.5 | 29.6 | 29.8 | 30.1 | 30.2 | 30.4 | 30.5 | 30.6 | 30.6 | 30.6 | 30.4 | 30.3 | 30.2 | 30.1 | | |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Flash II Mountain

ELEVATION : 3325 feet

PARAMETER : Shelter Temperature (Degrees C)

LATITUDE : 34 degrees 58 minutes 15 seconds

LONGITUDE : 117 degrees 02 minutes 22 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 28.2 | 27.9 | 27.7 | 27.9 | 28.2 | 28.3 | 28.3 | 28.1 | 28.5 | 28.0 | 28.1 | 28.7 | 29.5 | 30.3 | 30.9 | 31.3 | 31.5 | 31.7 | 31.7 | 31.3 | 30.7 | 29.9 | 29.1 | 28.5 | 31.7 | 27.7 |
| 2 | 28.0 | 27.5 | 27.3 | 27.8 | 28.1 | 28.5 | 28.6 | 28.3 | 28.5 | 28.1 | 28.2 | 28.7 | 29.4 | 30.2 | 30.9 | 31.2 | 31.5 | 31.5 | 31.2 | 30.7 | 30.4 | 30.0 | 29.5 | 29.1 | 31.5 | 27.3 |
| 3 | 28.4 | 27.8 | 27.7 | 28.3 | 28.5 | 28.6 | 28.6 | 28.9 | 28.3 | 27.8 | 28.0 | 28.7 | 29.6 | 30.1 | 30.6 | 30.9 | 31.1 | 31.0 | 30.5 | 29.8 | 29.2 | 28.6 | 28.0 | 27.8 | 31.1 | 27.7 |
| 4 | 27.9 | 28.4 | 28.5 | 28.5 | 29.0 | 29.0 | 29.1 | 29.0 | 28.3 | 27.6 | 27.5 | 27.8 | 28.4 | 29.0 | 29.5 | 29.7 | 29.9 | 29.8 | 29.6 | 29.2 | 28.7 | 28.0 | 28.1 | 28.1 | 29.9 | 27.5 |
| 5 | 28.4 | 28.9 | 29.4 | 29.6 | 29.9 | 29.9 | 29.7 | 29.4 | 29.0 | 28.1 | 27.7 | 27.9 | 28.4 | 29.0 | 29.5 | 29.9 | 30.1 | 29.9 | 29.5 | 29.0 | 28.2 | 27.7 | 27.4 | 27.3 | 30.1 | 27.3 |
| 6 | 27.5 | 27.8 | 28.0 | 28.3 | 28.6 | 28.7 | 29.0 | 29.0 | 29.0 | 28.0 | 27.4 | 27.4 | 27.9 | 28.5 | 29.1 | 29.6 | 29.8 | 29.8 | 29.6 | 29.2 | 28.6 | 27.8 | 27.2 | 27.2 | 29.8 | 27.2 |
| 7 | 27.4 | 27.5 | 27.6 | 27.7 | 27.8 | 28.0 | 28.1 | 28.0 | 27.9 | 27.3 | 27.1 | 27.4 | 28.0 | 28.7 | 29.2 | 29.5 | 29.8 | 29.7 | 29.5 | 29.0 | 28.1 | 27.3 | 26.8 | 27.1 | 29.8 | 26.8 |
| 8 | 27.6 | 28.1 | 28.3 | 28.6 | 28.6 | 28.7 | 28.9 | 28.7 | 28.1 | 27.1 | 27.0 | 27.4 | 28.0 | 28.7 | 29.2 | 29.5 | 29.8 | 29.9 | 29.7 | 29.2 | 28.9 | 28.6 | 28.5 | 28.1 | 29.9 | 27.0 |
| 9 | 27.9 | 28.2 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.0 | 27.7 | 27.3 | 27.4 | 28.0 | 28.7 | 29.5 | 30.1 | 30.6 | 31.0 | 31.0 | 30.7 | 30.2 | 29.5 | 28.5 | 27.8 | 27.6 | 31.0 | 27.3 |
| 10 | 27.6 | 27.7 | 27.8 | 27.9 | 28.0 | 28.0 | 28.1 | 28.0 | 28.6 | 28.8 | 28.2 | 27.7 | 27.4 | 27.3 | 27.4 | 27.6 | 27.7 | 27.4 | 27.1 | 27.2 | 27.5 | 27.9 | 28.4 | 29.0 | 29.0 | 27.1 |
| 11 | 29.4 | 29.7 | 30.1 | 30.7 | 31.1 | 31.1 | 31.1 | 31.0 | 31.0 | 30.5 | 29.2 | 27.8 | 27.3 | 27.3 | 27.5 | 27.6 | 27.5 | 27.2 | 26.7 | 26.9 | 27.5 | 27.8 | 28.0 | 28.1 | 31.1 | 26.7 |
| 12 | 28.2 | 28.3 | 28.4 | 28.4 | 28.5 | 28.6 | 28.8 | 28.9 | 28.6 | 27.9 | 27.7 | 28.1 | 28.2 | 28.7 | 28.5 | 27.8 | 27.4 | 27.2 | 26.7 | 26.5 | 26.6 | 26.8 | 27.0 | 27.2 | 28.9 | 26.5 |
| 13 | 27.5 | 27.7 | 27.8 | 28.0 | 28.1 | 28.1 | 28.3 | 29.0 | 29.7 | 29.5 | 28.5 | 28.5 | 28.6 | 28.5 | 28.5 | 28.5 | 28.5 | 28.3 | 28.0 | 28.1 | 28.5 | 29.0 | 29.5 | 29.8 | 29.8 | 27.5 |
| 14 | 30.0 | 30.1 | 30.1 | 30.2 | 30.5 | 30.7 | 30.9 | 31.0 | 30.9 | 30.4 | 29.4 | 28.2 | 27.9 | 28.0 | 28.2 | 28.3 | 28.2 | 28.1 | 27.7 | 27.6 | 28.2 | 28.7 | 29.2 | 29.6 | 31.0 | 27.6 |
| 15 | 29.8 | 29.9 | 29.9 | 29.7 | 29.4 | 29.2 | 29.4 | 29.5 | 29.3 | 29.0 | 28.4 | 27.9 | 27.8 | 27.9 | 28.1 | 28.3 | 28.3 | 28.0 | 27.6 | 27.9 | 28.7 | 29.4 | 29.9 | 30.2 | 30.2 | 27.6 |
| 16 | 30.3 | 30.5 | 30.6 | 30.8 | 31.0 | 31.0 | 31.0 | 30.8 | 30.4 | 29.9 | 29.0 | 28.1 | 27.6 | 27.4 | 27.4 | 27.2 | 27.0 | 27.0 | 27.5 | 28.2 | 28.9 | 29.7 | 30.7 | 32.1 | 32.1 | 27.0 |
| 17 | 33.2 | 33.9 | 34.3 | 34.8 | 35.0 | 34.8 | 34.7 | 34.8 | 34.5 | 33.6 | 32.3 | 31.2 | 29.7 | 28.3 | 27.8 | 27.6 | 27.7 | 28.1 | 28.9 | 29.6 | 29.8 | 29.7 | 29.9 | 30.9 | 35.0 | 27.6 |
| 18 | 31.8 | 32.2 | 32.4 | 32.5 | 32.4 | 32.2 | 32.0 | 30.7 | 29.8 | 30.5 | 30.7 | 30.2 | 28.9 | 28.1 | 27.7 | 27.5 | 27.4 | 27.1 | 27.2 | 27.8 | 28.2 | 28.7 | 29.0 | 29.4 | 32.5 | 27.1 |
| 19 | 29.9 | 30.4 | 30.8 | 31.2 | 31.4 | 31.4 | 31.4 | 31.6 | 31.7 | 31.9 | 30.7 | 29.4 | 29.1 | 29.2 | 29.4 | 29.6 | 29.2 | 28.8 | 28.2 | 27.8 | 27.9 | 28.5 | 29.2 | 29.8 | 31.9 | 27.8 |
| 20 | 30.3 | 30.6 | 31.0 | 31.2 | 31.1 | 30.7 | 30.4 | 30.2 | 30.0 | 29.7 | 29.6 | 29.3 | 28.6 | 28.1 | 27.8 | 27.5 | 27.4 | 28.0 | 28.6 | 29.2 | 29.6 | 29.7 | 29.9 | 30.1 | 31.2 | 27.4 |
| 21 | 30.3 | 30.3 | 30.4 | 30.5 | 30.4 | 30.4 | 30.4 | 30.2 | 29.6 | 28.8 | 28.1 | 27.8 | 27.4 | 27.3 | 27.4 | 27.3 | 27.6 | 28.3 | 28.9 | 29.1 | 29.2 | 29.3 | 29.4 | 29.6 | 30.5 | 27.3 |
| 22 | 29.7 | 29.9 | 30.0 | 30.0 | 30.0 | 30.1 | 30.3 | 30.2 | 30.0 | 28.8 | 28.3 | 28.4 | 28.7 | 29.0 | 29.1 | 29.0 | 28.4 | 27.9 | 27.6 | 27.4 | 27.9 | 28.5 | 29.1 | 29.7 | 30.3 | 27.4 |
| 23 | 30.3 | 30.6 | 30.8 | 31.0 | 31.4 | 31.3 | 31.3 | 31.1 | 30.6 | 29.8 | 28.7 | 28.3 | 28.5 | 29.0 | 29.2 | 29.2 | 29.0 | 28.6 | 28.4 | 28.9 | 29.3 | 29.7 | 30.1 | 30.6 | 31.4 | 28.3 |
| 24 | 30.9 | 31.0 | 30.7 | 30.3 | 30.2 | 30.3 | 30.5 | 30.6 | 30.5 | 29.7 | 28.6 | 27.7 | 27.5 | 27.7 | 27.8 | 27.8 | 27.7 | 27.3 | 27.3 | 28.2 | 29.0 | 29.5 | 29.6 | 29.6 | 31.0 | 27.3 |
| 25 | 29.6 | 29.8 | 29.7 | 29.7 | 29.7 | 29.6 | 29.5 | 29.6 | 29.7 | 29.6 | 29.1 | 28.3 | 27.5 | 27.3 | 27.3 | 27.3 | 27.0 | 26.7 | 27.1 | 27.8 | 28.6 | 29.1 | 29.3 | 29.4 | 29.8 | 26.7 |
| 26 | 29.6 | 29.8 | 30.0 | 30.0 | 30.1 | 30.4 | 30.5 | 30.3 | 30.2 | 30.0 | 29.3 | 28.3 | 27.6 | 27.5 | 27.6 | 27.6 | 27.3 | 27.1 | 27.2 | 27.7 | 28.2 | 28.7 | 28.9 | 29.0 | 30.5 | 27.1 |
| 27 | 29.1 | 29.2 | 29.2 | 29.2 | 29.3 | 29.3 | 29.4 | 29.6 | 29.7 | 29.6 | 29.0 | 27.9 | 27.4 | 27.3 | 27.5 | 27.5 | 27.3 | 27.1 | 27.1 | 27.9 | 29.0 | 29.9 | 30.5 | 30.7 | 30.7 | 27.1 |
| 28 | 30.8 | 30.8 | 30.4 | 30.0 | 29.7 | 29.4 | 29.3 | 29.4 | 29.4 | 29.1 | 28.3 | 27.7 | 27.7 | 27.9 | 28.0 | 28.0 | 28.0 | 27.7 | 27.4 | 27.7 | 28.2 | 28.6 | 28.8 | 29.0 | 30.8 | 27.4 |
| 29 | 29.1 | 29.2 | 29.3 | 29.4 | 29.4 | 29.4 | 29.6 | 30.0 | 30.2 | 30.0 | 29.0 | 27.9 | 27.6 | 27.7 | 27.9 | 28.0 | 28.0 | 27.8 | 27.4 | 27.5 | 28.2 | 28.9 | 29.5 | 30.0 | 30.2 | 27.4 |
| 30 | 30.2 | 30.2 | 30.3 | 30.4 | 30.4 | 30.5 | 30.5 | 30.6 | 30.6 | 30.1 | 28.8 | 28.1 | 28.1 | 28.4 | 28.7 | 28.9 | 28.9 | 28.8 | 28.4 | 27.7 | 27.5 | 27.8 | 28.2 | 28.5 | 30.6 | 27.5 |
| 31 | 28.7 | 28.9 | 29.2 | 29.2 | 29.0 | 29.1 | 29.2 | 29.3 | 29.2 | 28.7 | 27.8 | 27.4 | 27.6 | 28.0 | 28.4 | 28.7 | 28.7 | 28.4 | 28.0 | 27.4 | 27.6 | 27.9 | 28.2 | 28.3 | 29.3 | 27.4 |
| AVG. | 29.3 | 29.4 | 29.5 | 29.7 | 29.8 | 29.8 | 29.8 | 29.8 | 29.7 | 29.2 | 28.6 | 28.3 | 28.2 | 28.4 | 28.6 | 28.7 | 28.7 | 28.6 | 28.4 | 28.4 | 28.6 | 28.7 | 28.9 | 29.1 | | |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Ludlow

ELEVATION : 1782 feet

PARAMETER : Shelter Temperature (Degrees C)

LATITUDE : 34 degrees 42 minutes 36 seconds

LONGITUDE : 116 degrees 09 minutes 15 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 22.9 | 22.8 | 22.6 | 22.4 | 22.3 | 22.2 | 22.1 | 22.1 | 22.2 | 22.4 | 22.6 | 22.8 | 23.0 | 23.1 | 23.3 | 23.4 | 23.4 | 23.4 | 23.3 | 23.3 | 23.3 | 23.3 | 23.2 | 23.1 | 23.4 | 22.1 |
| 2 | 22.9 | 22.7 | 22.6 | 22.4 | 22.2 | 22.1 | 22.0 | 22.0 | 22.1 | 22.3 | 22.6 | 22.8 | 23.0 | 23.1 | 23.3 | 23.4 | 23.4 | 23.4 | 23.4 | 23.3 | 23.3 | 23.2 | 23.2 | 23.1 | 23.4 | 22.0 |
| 3 | 23.0 | 22.8 | 22.6 | 22.4 | 22.2 | 22.0 | 21.9 | 22.0 | 22.1 | 22.2 | 22.5 | 22.8 | 23.0 | 23.1 | 23.3 | 23.3 | 23.4 | 23.4 | 23.4 | 23.3 | 23.2 | 23.1 | 23.0 | 22.9 | 23.4 | 21.9 |
| 4 | 22.8 | 22.6 | 22.5 | 22.4 | 22.3 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.3 | 22.3 | 22.4 | 22.6 | 22.8 | 23.0 | 23.1 | 23.1 | 23.1 | 23.0 | 22.9 | 22.8 | 22.7 | 22.5 | 23.1 | 22.2 |
| 5 | 22.4 | 22.3 | 22.3 | 22.2 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.2 | 22.2 | 22.3 | 22.4 | 22.6 | 22.8 | 23.0 | 23.0 | 23.0 | 23.0 | 22.9 | 22.9 | 22.8 | 22.7 | 22.5 | 23.0 | 22.1 |
| 6 | 22.4 | 22.3 | 22.2 | 22.1 | 22.1 | 22.1 | 22.0 | 22.0 | 22.1 | 22.1 | 22.2 | 22.3 | 22.5 | 22.6 | 22.8 | 22.9 | 23.0 | 23.0 | 23.0 | 23.0 | 22.9 | 22.9 | 22.8 | 22.6 | 23.0 | 22.0 |
| 7 | 22.5 | 22.4 | 22.3 | 22.3 | 22.2 | 22.2 | 22.2 | 22.1 | 22.2 | 22.3 | 22.3 | 22.4 | 22.6 | 22.8 | 22.9 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 | 22.9 | 22.9 | 22.8 | 22.7 | 23.0 | 22.1 |
| 8 | 22.5 | 22.5 | 22.4 | 22.3 | 22.2 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.2 | 22.4 | 22.5 | 22.6 | 22.8 | 22.9 | 23.0 | 23.0 | 23.0 | 22.9 | 22.8 | 22.7 | 22.6 | 22.5 | 23.0 | 22.1 |
| 9 | 22.4 | 22.3 | 22.3 | 22.2 | 22.2 | 22.2 | 22.1 | 22.2 | 22.2 | 22.3 | 22.8 | 23.5 | 23.7 | 23.5 | 23.3 | 23.2 | 23.2 | 23.1 | 23.1 | 23.0 | 22.8 | 22.7 | 22.5 | 22.4 | 23.7 | 22.1 |
| 10 | 22.4 | 22.3 | 22.3 | 22.2 | 22.2 | 22.1 | 22.2 | 22.1 | 22.1 | 22.2 | 22.2 | 22.2 | 22.3 | 22.4 | 22.6 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.7 | 22.7 | 22.8 | 22.1 |
| 11 | 22.5 | 22.3 | 22.1 | 22.0 | 21.9 | 21.7 | 21.7 | 21.7 | 21.6 | 21.8 | 22.1 | 22.4 | 22.6 | 22.8 | 23.1 | 23.1 | 23.2 | 23.2 | 23.2 | 23.2 | 23.1 | 23.0 | 22.9 | 22.8 | 23.2 | 21.6 |
| 12 | 22.6 | 22.5 | 22.3 | 22.2 | 22.0 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 22.0 | 22.0 | 22.0 | 22.1 | 22.1 | 22.0 | 21.9 | 21.9 | 21.8 | 21.8 | 21.8 | 21.9 | 22.6 | 21.8 |
| 13 | 21.8 | 21.8 | 21.8 | 21.8 | 21.7 | 21.6 | 21.6 | 21.6 | 21.7 | 21.8 | 22.1 | 22.4 | 22.7 | 22.9 | 23.0 | 23.1 | 23.1 | 23.1 | 23.1 | 23.0 | 23.0 | 22.9 | 22.9 | 22.8 | 23.1 | 21.6 |
| 14 | 22.7 | 22.5 | 22.3 | 22.0 | 21.9 | 21.8 | 21.7 | 21.7 | 21.7 | 21.9 | 22.2 | 22.4 | 22.7 | 22.8 | 23.0 | 23.1 | 23.2 | 23.2 | 23.1 | 23.0 | 22.9 | 22.9 | 22.9 | 22.8 | 23.2 | 21.7 |
| 15 | 22.7 | 22.5 | 22.3 | 22.0 | 21.9 | 21.8 | 21.8 | 21.8 | 21.8 | 21.9 | 21.9 | 21.9 | 21.9 | 22.0 | 22.1 | 22.2 | 22.2 | 22.1 | 22.0 | 21.9 | 21.9 | 21.8 | 21.7 | 21.8 | 22.7 | 21.7 |
| 16 | 21.9 | 21.8 | 21.7 | 21.7 | 21.7 | 21.6 | 21.6 | 21.6 | 21.6 | 21.7 | 21.7 | 21.9 | 22.2 | 22.5 | 22.7 | 22.8 | 23.0 | 23.0 | 23.0 | 22.9 | 22.9 | 22.8 | 22.6 | 22.4 | 23.0 | 21.6 |
| 17 | 22.1 | 21.9 | 21.8 | 21.7 | 21.7 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.7 | 21.9 | 22.2 | 22.6 | 22.8 | 22.9 | 23.0 | 23.0 | 23.0 | 22.8 | 22.7 | 22.4 | 22.3 | 22.2 | 23.0 | 21.6 |
| 18 | 22.1 | 22.1 | 22.0 | 22.0 | 22.0 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 22.4 | 23.2 | 23.1 | 22.8 | 22.7 | 22.6 | 22.6 | 22.5 | 22.5 | 22.4 | 22.2 | 22.2 | 22.2 | 22.1 | 23.2 | 21.9 |
| 19 | 22.1 | 22.1 | 22.0 | 22.0 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 22.0 | 22.1 | 22.2 | 22.3 | 22.5 | 22.6 | 22.6 | 22.7 | 22.8 | 22.7 | 22.6 | 22.5 | 22.4 | 22.3 | 22.3 | 22.8 | 21.9 |
| 20 | 22.3 | 22.3 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.1 | 22.1 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.3 | 22.3 | 22.3 | 22.2 | 22.2 | 22.1 | 22.1 | 22.1 | 22.3 | 22.1 |
| 21 | 22.1 | 22.0 | 22.0 | 22.0 | 22.1 | 22.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.2 | 22.3 | 22.3 | 22.4 | 22.3 | 22.3 | 22.3 | 22.2 | 22.2 | 22.2 | 22.1 | 22.0 | 22.4 | 22.0 |
| 22 | 22.0 | 22.0 | 22.0 | 21.9 | 21.9 | 21.9 | 22.0 | 21.9 | 22.0 | 22.0 | 22.1 | 22.2 | 22.3 | 22.4 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.4 | 22.3 | 22.2 | 22.2 | 22.1 | 22.5 | 21.9 |
| 23 | 22.0 | 22.0 | 22.0 | 22.0 | 21.9 | 21.9 | 21.9 | 22.0 | 21.9 | 22.0 | 22.1 | 22.2 | 22.4 | 22.5 | 22.5 | 22.6 | 22.6 | 22.6 | 22.5 | 22.4 | 22.4 | 22.3 | 22.2 | 22.2 | 22.6 | 21.9 |
| 24 | 22.1 | 22.0 | 22.0 | 22.0 | 21.9 | 21.9 | 21.9 | 21.9 | 22.0 | 22.2 | 22.5 | 22.7 | 22.7 | 22.8 | 22.8 | 22.7 | 22.6 | 22.5 | 22.4 | 22.3 | 22.2 | 22.1 | 22.1 | 22.0 | 22.8 | 21.9 |
| 25 | 21.9 | 21.9 | 21.9 | 21.9 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.9 | 22.2 | 22.5 | 22.7 | 23.0 | 23.2 | 23.3 | 23.4 | 23.3 | 23.3 | 23.2 | 23.1 | 23.0 | 22.8 | 22.5 | 23.4 | 21.8 |
| 26 | 22.2 | 22.1 | 22.0 | 21.9 | 21.8 | 21.8 | 21.8 | 21.7 | 21.8 | 21.8 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 | 23.2 | 23.3 | 23.3 | 23.3 | 23.2 | 23.1 | 22.9 | 22.7 | 22.4 | 23.3 | 21.7 |
| 27 | 22.2 | 22.1 | 22.0 | 21.9 | 21.9 | 21.8 | 21.8 | 21.8 | 21.8 | 21.9 | 22.2 | 22.5 | 22.8 | 23.1 | 23.3 | 23.3 | 23.4 | 23.4 | 23.4 | 23.3 | 23.2 | 23.1 | 22.9 | 22.6 | 23.4 | 21.8 |
| 28 | 22.3 | 22.2 | 22.0 | 21.9 | 21.9 | 21.9 | 21.8 | 21.9 | 21.8 | 21.9 | 22.1 | 22.5 | 22.8 | 23.1 | 23.2 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.2 | 23.1 | 23.0 | 22.8 | 23.3 | 21.8 |
| 29 | 22.8 | 22.9 | 22.9 | 22.8 | 22.8 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.8 | 22.9 | 22.9 | 23.1 | 23.2 | 23.3 | 23.4 | 23.5 | 23.4 | 23.3 | 23.2 | 23.1 | 23.0 | 23.0 | 23.5 | 22.7 |
| 30 | 22.9 | 22.8 | 22.8 | 22.7 | 22.7 | 22.7 | 22.7 | 22.6 | 22.7 | 22.7 | 22.9 | 23.0 | 23.1 | 23.2 | 23.4 | 23.5 | 23.5 | 23.5 | 23.4 | 23.3 | 23.2 | 23.1 | 23.1 | 23.0 | 23.5 | 22.6 |
| 31 | 23.0 | 22.9 | 22.8 | 22.8 | 22.7 | 22.7 | 22.8 | 22.9 | 23.6 | 23.9 | 23.6 | 23.4 | 23.3 | 23.4 | 23.5 | 23.6 | 23.6 | 23.6 | 23.5 | 23.4 | 23.3 | 23.3 | 23.2 | 23.2 | 23.9 | 22.7 |
| AVG. | 22.4 | 22.3 | 22.2 | 22.1 | 22.1 | 22.0 | 22.0 | 22.0 | 22.0 | 22.1 | 22.3 | 22.5 | 22.6 | 22.7 | 22.9 | 22.9 | 23.0 | 23.0 | 22.9 | 22.9 | 22.8 | 22.7 | 22.6 | 22.5 | | |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Palmdale

ELEVATION : 2760 feet

PARAMETER : Shelter Temperature (Degrees C)

LATITUDE : 34 degrees 33 minutes 26 seconds

LONGITUDE : 118 degrees 06 minutes 46 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 19.3 | 19.0 | 18.8 | 18.7 | 18.7 | 18.6 | 18.7 | 18.6 | 18.5 | 18.5 | 19.0 | 20.1 | 21.2 | 22.2 | 22.9 | 23.4 | 23.6 | 23.6 | 23.2 | 22.5 | 21.5 | 20.4 | 19.5 | 19.0 | 23.6 | 18.5 |
| 2 | 18.7 | 18.6 | 18.6 | 18.6 | 18.6 | 18.7 | 18.7 | 18.7 | 18.6 | 18.6 | 19.2 | 20.3 | 21.2 | 22.1 | 22.8 | 23.3 | 23.5 | 23.5 | 23.2 | 22.5 | 21.5 | 20.4 | 19.5 | 19.0 | 23.5 | 18.6 |
| 3 | 18.8 | 18.7 | 18.7 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.4 | 18.5 | 19.1 | 19.8 | 20.7 | 21.9 | 26.0 | 28.0 | 29.5 | 28.4 | 26.2 | 24.2 | 22.3 | 20.7 | 19.7 | 19.2 | 29.5 | 18.4 |
| 4 | 18.9 | 18.8 | 18.6 | 18.6 | 18.6 | 18.5 | 18.5 | 18.5 | 18.4 | 18.4 | 18.5 | 19.2 | 20.0 | 20.7 | 21.4 | 21.9 | 22.1 | 22.1 | 21.7 | 21.0 | 20.1 | 19.3 | 18.8 | 18.7 | 22.1 | 18.4 |
| 5 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.5 | 18.5 | 18.4 | 18.4 | 18.3 | 18.3 | 18.7 | 19.3 | 20.1 | 20.8 | 21.4 | 21.8 | 21.9 | 21.7 | 21.1 | 20.1 | 19.5 | 19.1 | 18.9 | 21.9 | 18.3 |
| 6 | 18.7 | 18.6 | 18.5 | 18.5 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.3 | 18.5 | 19.1 | 20.1 | 21.0 | 21.7 | 22.3 | 22.6 | 22.6 | 22.3 | 21.6 | 20.4 | 19.6 | 19.2 | 19.0 | 22.6 | 18.3 |
| 7 | 18.9 | 18.9 | 18.8 | 18.8 | 18.8 | 18.8 | 18.7 | 18.7 | 18.7 | 18.7 | 19.1 | 19.7 | 20.4 | 21.2 | 22.0 | 22.7 | 23.0 | 23.0 | 22.7 | 22.0 | 20.8 | 19.8 | 19.2 | 18.9 | 23.0 | 18.7 |
| 8 | 18.8 | 18.7 | 18.6 | 18.5 | 18.5 | 18.4 | 18.4 | 18.4 | 18.4 | 18.5 | 18.6 | 19.4 | 20.4 | 21.4 | 22.2 | 22.8 | 23.2 | 23.3 | 23.0 | 22.3 | 21.2 | 20.0 | 19.4 | 19.0 | 23.3 | 18.4 |
| 9 | 18.8 | 18.7 | 18.6 | 18.5 | 18.5 | 18.5 | 18.4 | 18.5 | 18.4 | 18.2 | 18.5 | 19.2 | 20.1 | 21.0 | 21.6 | 22.2 | 22.5 | 22.6 | 22.3 | 21.5 | 20.4 | 19.4 | 18.9 | 18.7 | 22.6 | 18.2 |
| 10 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.6 | 18.6 | 18.6 | 18.7 | 19.2 | 19.9 | 20.7 | 21.4 | 21.9 | 23.1 | 23.5 | 22.8 | 21.7 | 20.5 | 19.6 | 19.1 | 18.8 | 23.5 | 18.6 |
| 11 | 18.7 | 18.6 | 18.5 | 18.5 | 18.4 | 18.4 | 18.4 | 18.5 | 18.5 | 18.6 | 18.7 | 18.9 | 19.4 | 20.0 | 20.6 | 21.0 | 21.3 | 21.3 | 21.1 | 20.6 | 19.8 | 19.1 | 18.9 | 18.8 | 21.3 | 18.4 |
| 12 | 18.7 | 18.6 | 18.6 | 18.5 | 18.5 | 18.5 | 18.5 | 18.6 | 18.7 | 18.8 | 18.8 | 19.1 | 19.8 | 20.7 | 21.5 | 22.0 | 22.3 | 22.2 | 21.7 | 21.0 | 20.0 | 19.3 | 19.0 | 18.8 | 22.3 | 18.5 |
| 13 | 18.7 | 18.7 | 18.6 | 18.6 | 18.5 | 18.4 | 18.5 | 18.5 | 18.6 | 18.6 | 18.6 | 19.0 | 19.8 | 20.6 | 21.3 | 21.9 | 22.2 | 22.1 | 21.7 | 20.9 | 19.9 | 19.4 | 19.1 | 18.9 | 22.2 | 18.4 |
| 14 | 18.8 | 18.8 | 18.8 | 18.7 | 18.7 | 18.6 | 18.6 | 18.7 | 19.0 | 21.0 | 23.3 | 25.5 | 27.6 | 29.6 | 30.3 | 27.7 | 25.6 | 24.2 | 23.1 | 21.8 | 20.5 | 19.6 | 19.2 | 19.0 | 30.3 | 18.6 |
| 15 | 18.9 | 18.8 | 18.7 | 18.7 | 18.6 | 18.6 | 18.6 | 18.6 | 18.7 | 18.7 | 18.6 | 18.7 | 19.2 | 19.9 | 20.6 | 21.0 | 21.1 | 21.0 | 20.6 | 19.8 | 19.3 | 19.1 | 18.9 | 18.8 | 21.1 | 18.6 |
| 16 | 18.7 | 18.7 | 18.6 | 18.6 | 18.6 | 18.5 | 18.5 | 18.6 | 18.6 | 18.6 | 18.6 | 18.5 | 18.7 | 19.0 | 19.4 | 19.6 | 19.7 | 19.5 | 19.2 | 19.0 | 18.9 | 18.9 | 18.8 | 18.8 | 19.7 | 18.5 |
| 17 | 18.7 | 18.7 | 18.7 | 18.6 | 18.5 | 18.5 | 18.5 | 18.6 | 18.6 | 18.6 | 18.6 | 19.0 | 20.5 | 21.7 | 22.4 | 22.9 | 22.2 | 21.2 | 20.2 | 19.4 | 19.1 | 19.0 | 18.8 | 18.6 | 22.9 | 18.5 |
| 18 | 18.5 | 18.4 | 18.3 | 18.3 | 18.2 | 18.2 | 18.2 | 18.3 | 18.3 | 18.4 | 18.6 | 18.8 | 19.0 | 19.5 | 20.1 | 20.8 | 21.2 | 21.6 | 21.5 | 20.9 | 19.9 | 19.3 | 19.1 | 18.9 | 21.6 | 18.2 |
| 19 | 18.8 | 18.6 | 18.5 | 18.5 | 18.4 | 18.4 | 18.3 | 18.3 | 18.4 | 18.4 | 18.5 | 18.6 | 19.1 | 20.0 | 20.9 | 21.7 | 22.2 | 22.4 | 22.2 | 21.6 | 20.7 | 19.8 | 19.1 | 18.9 | 22.4 | 18.3 |
| 20 | 18.7 | 18.6 | 18.6 | 18.5 | 18.5 | 18.5 | 18.4 | 18.4 | 18.5 | 18.6 | 18.6 | 18.9 | 20.1 | 23.0 | 24.6 | 24.9 | 24.2 | 23.2 | 22.1 | 21.1 | 20.1 | 19.5 | 19.2 | 19.0 | 24.9 | 18.4 |
| 21 | 18.9 | 18.8 | 18.7 | 18.7 | 18.7 | 18.6 | 18.6 | 18.7 | 18.7 | 18.6 | 18.6 | 18.9 | 19.4 | 20.0 | 20.3 | 20.4 | 20.5 | 20.6 | 20.3 | 19.7 | 19.2 | 18.9 | 18.9 | 18.8 | 20.6 | 18.6 |
| 22 | 18.8 | 18.7 | 18.7 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 19.1 | 19.9 | 20.9 | 21.7 | 22.4 | 22.7 | 22.6 | 22.2 | 21.5 | 20.6 | 19.7 | 19.2 | 19.0 | 22.7 | 18.6 |
| 23 | 18.9 | 18.7 | 18.7 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.5 | 18.5 | 18.8 | 19.3 | 20.0 | 20.6 | 21.0 | 21.2 | 21.2 | 21.0 | 20.6 | 19.9 | 19.3 | 19.1 | 18.9 | 18.7 | 21.2 | 18.5 |
| 24 | 18.6 | 18.5 | 18.4 | 18.4 | 18.3 | 18.2 | 18.3 | 18.3 | 18.3 | 18.4 | 18.5 | 18.7 | 19.4 | 20.1 | 20.7 | 21.2 | 22.0 | 21.7 | 21.1 | 20.1 | 19.4 | 19.0 | 18.9 | 18.7 | 22.0 | 18.2 |
| 25 | 18.6 | 18.5 | 18.5 | 18.4 | 18.4 | 18.4 | 18.4 | 18.5 | 18.6 | 18.7 | 18.8 | 18.8 | 19.1 | 19.7 | 20.2 | 20.6 | 20.8 | 20.7 | 20.3 | 19.6 | 19.2 | 19.1 | 19.0 | 18.9 | 20.8 | 18.4 |
| 26 | 18.8 | 18.7 | 18.6 | 18.6 | 18.6 | 18.5 | 18.5 | 18.6 | 18.7 | 18.8 | 18.8 | 18.8 | 19.2 | 19.8 | 20.3 | 20.7 | 21.0 | 20.9 | 20.6 | 19.9 | 19.4 | 19.2 | 19.0 | 19.0 | 21.0 | 18.5 |
| 27 | 18.9 | 18.8 | 18.7 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.7 | 18.7 | 18.7 | 18.8 | 19.2 | 19.9 | 20.6 | 21.1 | 21.5 | 21.5 | 21.1 | 20.3 | 19.5 | 19.1 | 18.9 | 18.8 | 21.5 | 18.6 |
| 28 | 18.7 | 18.6 | 18.6 | 18.5 | 18.5 | 18.5 | 18.5 | 18.6 | 18.7 | 18.7 | 18.7 | 19.1 | 19.8 | 20.5 | 21.1 | 21.5 | 21.8 | 21.7 | 21.2 | 20.4 | 19.7 | 19.3 | 19.1 | 18.9 | 21.8 | 18.5 |
| 29 | 18.8 | 18.6 | 18.5 | 18.5 | 18.4 | 18.4 | 18.4 | 18.4 | 18.5 | 18.5 | 18.5 | 19.0 | 20.0 | 20.9 | 21.7 | 22.1 | 22.4 | 22.4 | 22.1 | 21.4 | 20.2 | 19.4 | 19.0 | 18.8 | 22.4 | 18.4 |
| 30 | 18.7 | 18.6 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.4 | 18.4 | 18.5 | 18.8 | 19.3 | 20.0 | 20.8 | 21.6 | 22.1 | 22.3 | 22.3 | 21.9 | 21.1 | 20.1 | 19.3 | 19.0 | 18.8 | 22.3 | 18.4 |
| 31 | 18.7 | 18.6 | 18.5 | 18.5 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.6 | 19.2 | 20.0 | 20.8 | 21.5 | 22.1 | 22.5 | 22.5 | 22.1 | 21.4 | 20.4 | 19.5 | 19.1 | 19.0 | 22.5 | 18.4 |
| AVG. | 18.8 | 18.7 | 18.6 | 18.6 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.6 | 18.8 | 19.3 | 20.1 | 21.0 | 21.8 | 22.2 | 22.4 | 22.3 | 21.8 | 21.0 | 20.1 | 19.5 | 19.1 | 18.9 | | |

OZONE TRANSPORT CORRIDORS STUDY

T & B SYSTEMS, INC.

SITE NAME : Quartzite Mountain

LATITUDE : 34 degrees 36 minutes 38 seconds

MONTH : August

ELEVATION : 4482 feet

LONGITUDE : 117 degrees 17 minutes 20 seconds

YEAR : 1995

PARAMETER : Shelter 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 | 27.9 | 27.4 | 26.9 | 26.4 | 26.0 | 25.5 | 25.2 | 25.0 | 25.0 | 25.2 | 25.7 | 26.4 | 27.0 | 27.7 | 28.3 | 28.5 | 28.6 | 28.7 | 28.6 | 28.3 | 27.9 | 27.5 | 27.0 | 26.6 | 28.7 | 25.0 |
| 2 | 26.2 | 25.8 | 25.4 | 25.0 | 24.7 | 24.3 | 24.1 | 23.9 | 23.9 | 24.2 | 24.7 | 25.3 | 26.0 | 26.7 | 27.3 | 27.7 | 27.9 | 27.9 | 27.8 | 27.6 | 27.3 | 26.9 | 26.4 | 26.1 | 27.9 | 23.9 |
| 3 | 25.7 | 25.3 | 24.9 | 24.5 | 24.2 | 23.9 | 23.7 | 23.6 | 24.2 | 24.7 | 25.1 | 25.6 | 26.3 | 26.9 | 27.4 | 27.7 | 27.8 | 27.7 | 27.5 | 27.2 | 26.7 | 26.3 | 25.8 | 25.3 | 27.8 | 23.6 |
| 4 | 24.9 | 24.4 | 24.0 | 23.6 | 23.3 | 23.1 | 23.2 | 23.4 | 23.8 | 24.5 | 25.6 | 26.9 | 28.4 | 29.8 | 31.1 | 32.2 | 33.0 | 33.6 | 32.6 | 30.8 | 29.2 | 28.0 | 27.0 | 26.2 | 33.6 | 23.1 |
| 5 | 25.6 | 25.0 | 24.4 | 23.9 | 23.4 | 23.0 | 22.7 | 22.6 | 22.8 | 23.3 | 24.0 | 24.8 | 25.6 | 26.2 | 26.6 | 26.7 | 26.8 | 26.7 | 26.6 | 26.3 | 25.9 | 25.5 | 25.1 | 24.7 | 26.8 | 22.6 |
| 6 | 24.3 | 24.0 | 23.6 | 23.3 | 22.9 | 22.6 | 22.4 | 22.3 | 22.3 | 22.6 | 23.1 | 23.8 | 24.4 | 25.2 | 26.1 | 26.9 | 27.5 | 28.0 | 27.8 | 27.3 | 26.8 | 26.4 | 26.0 | 25.5 | 28.0 | 22.3 |
| 7 | 25.1 | 24.7 | 24.4 | 24.1 | 23.8 | 23.5 | 23.2 | 23.1 | 23.3 | 23.6 | 24.1 | 24.6 | 25.3 | 26.0 | 26.5 | 26.8 | 26.9 | 26.9 | 26.9 | 26.7 | 26.5 | 26.2 | 25.8 | 25.3 | 26.9 | 23.1 |
| 8 | 24.9 | 24.5 | 24.1 | 23.7 | 23.3 | 23.0 | 22.8 | 22.7 | 22.9 | 23.3 | 24.0 | 24.7 | 25.5 | 26.2 | 26.8 | 27.3 | 27.6 | 27.6 | 27.6 | 27.4 | 27.0 | 26.7 | 26.3 | 25.9 | 27.6 | 22.7 |
| 9 | 25.5 | 25.1 | 24.7 | 24.4 | 24.1 | 23.8 | 23.6 | 23.6 | 23.9 | 24.4 | 25.0 | 25.6 | 26.3 | 26.9 | 27.4 | 27.8 | 27.9 | 28.0 | 27.9 | 27.5 | 27.1 | 26.7 | 26.2 | 25.7 | 28.0 | 23.6 |
| 10 | 25.2 | 24.7 | 24.4 | 24.0 | 23.6 | 23.3 | 23.0 | 22.8 | 22.8 | 23.8 | 24.9 | 25.9 | 26.7 | 27.1 | 27.3 | 27.6 | 27.6 | 27.5 | 27.3 | 26.9 | 26.5 | 25.9 | 25.4 | 24.9 | 27.6 | 22.8 |
| 11 | 24.4 | 23.9 | 23.5 | 23.1 | 22.9 | 22.7 | 22.5 | 22.5 | 22.6 | 23.0 | 23.5 | 24.1 | 24.5 | 24.9 | 25.3 | 25.6 | 26.0 | 26.8 | 26.9 | 26.5 | 26.0 | 25.4 | 24.9 | 24.8 | 26.9 | 22.5 |
| 12 | 24.8 | 24.8 | 24.7 | 24.6 | 24.6 | 24.6 | 24.5 | 24.6 | 24.8 | 24.9 | 24.9 | 24.7 | 25.0 | 25.6 | 26.4 | 27.2 | 27.7 | 27.8 | 27.4 | 26.6 | 25.8 | 26.1 | 27.1 | 27.9 | 27.9 | 24.5 |
| 13 | 28.5 | 28.8 | 29.0 | 29.0 | 29.0 | 29.0 | 28.9 | 28.7 | 27.6 | 26.4 | 25.8 | 25.7 | 25.9 | 26.2 | 26.5 | 26.7 | 26.6 | 26.4 | 26.1 | 25.6 | 25.2 | 25.9 | 26.9 | 27.7 | 29.0 | 25.2 |
| 14 | 28.2 | 28.5 | 28.1 | 26.7 | 25.8 | 25.4 | 25.3 | 25.3 | 25.3 | 25.6 | 25.6 | 25.8 | 25.7 | 25.7 | 25.8 | 25.9 | 25.9 | 25.7 | 25.4 | 25.0 | 25.6 | 26.7 | 27.5 | 28.0 | 28.5 | 25.0 |
| 15 | 28.2 | 27.5 | 26.3 | 25.8 | 25.6 | 25.3 | 25.2 | 25.4 | 25.5 | 26.1 | 27.0 | 26.9 | 27.0 | 27.2 | 27.0 | 26.7 | 26.4 | 26.0 | 25.5 | 25.1 | 25.3 | 25.7 | 26.5 | 27.0 | 28.2 | 25.1 |
| 16 | 27.3 | 27.5 | 27.5 | 27.5 | 27.5 | 27.3 | 27.2 | 27.1 | 27.1 | 26.5 | 25.7 | 25.3 | 25.1 | 25.0 | 25.0 | 24.9 | 24.7 | 25.0 | 25.0 | 25.9 | 26.7 | 27.2 | 27.4 | 27.5 | 27.5 | 24.7 |
| 17 | 27.4 | 27.4 | 27.3 | 27.1 | 26.8 | 26.5 | 26.3 | 26.2 | 26.2 | 26.6 | 26.4 | 26.5 | 27.2 | 26.9 | 26.2 | 25.6 | 25.1 | 25.3 | 26.5 | 27.5 | 28.0 | 28.1 | 28.1 | 28.0 | 28.1 | 25.1 |
| 18 | 27.7 | 27.4 | 27.1 | 26.8 | 26.6 | 26.4 | 26.2 | 26.1 | 26.0 | 26.1 | 26.8 | 26.8 | 26.0 | 25.5 | 25.2 | 25.0 | 24.9 | 24.7 | 24.7 | 25.9 | 27.0 | 27.7 | 28.3 | 28.6 | 28.6 | 24.7 |
| 19 | 28.8 | 28.9 | 28.3 | 26.9 | 26.7 | 26.7 | 26.1 | 26.4 | 26.2 | 25.9 | 26.9 | 27.2 | 26.9 | 26.6 | 26.6 | 26.5 | 26.4 | 26.2 | 25.9 | 25.5 | 25.1 | 25.1 | 26.2 | 27.2 | 28.9 | 25.1 |
| 20 | 28.0 | 28.5 | 28.4 | 27.1 | 26.8 | 27.3 | 27.7 | 28.1 | 28.5 | 28.6 | 27.9 | 27.2 | 26.5 | 25.8 | 25.4 | 25.1 | 24.8 | 25.0 | 26.1 | 27.1 | 27.7 | 28.2 | 28.5 | 28.7 | 28.7 | 24.8 |
| 21 | 28.6 | 27.3 | 26.9 | 27.2 | 27.6 | 28.0 | 28.2 | 28.5 | 27.5 | 26.5 | 27.2 | 28.0 | 27.7 | 27.1 | 26.5 | 26.1 | 25.6 | 25.2 | 24.9 | 24.7 | 25.4 | 26.5 | 27.4 | 27.3 | 28.6 | 24.7 |
| 22 | 26.5 | 26.8 | 27.2 | 27.6 | 27.7 | 27.0 | 27.0 | 27.4 | 27.9 | 27.8 | 27.0 | 26.5 | 26.3 | 26.4 | 26.5 | 26.7 | 26.8 | 26.7 | 26.5 | 26.2 | 25.7 | 25.2 | 25.0 | 26.0 | 27.9 | 25.0 |
| 23 | 26.6 | 26.1 | 26.5 | 27.2 | 27.7 | 28.1 | 28.3 | 28.6 | 28.5 | 27.5 | 26.6 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.2 | 26.0 | 25.6 | 25.1 | 25.0 | 26.0 | 27.0 | 27.6 | 28.6 | 25.0 |
| 24 | 27.9 | 28.1 | 28.2 | 28.2 | 28.2 | 28.1 | 28.0 | 28.1 | 27.4 | 26.1 | 25.3 | 25.0 | 25.0 | 25.2 | 25.3 | 25.5 | 25.4 | 25.2 | 24.9 | 24.6 | 25.2 | 26.3 | 27.0 | 27.4 | 28.2 | 24.6 |
| 25 | 27.6 | 27.7 | 27.7 | 27.7 | 27.7 | 27.6 | 27.5 | 27.5 | 26.5 | 26.0 | 25.7 | 25.6 | 25.6 | 25.6 | 25.6 | 25.5 | 25.4 | 25.1 | 24.7 | 24.6 | 25.6 | 26.6 | 27.2 | 27.6 | 27.7 | 24.6 |
| 26 | 27.7 | 27.7 | 27.6 | 27.4 | 27.2 | 27.0 | 26.8 | 26.7 | 26.3 | 25.6 | 25.3 | 25.0 | 24.9 | 24.9 | 25.0 | 25.0 | 24.9 | 24.8 | 24.5 | 24.2 | 24.1 | 24.1 | 24.1 | 24.1 | 27.7 | 24.1 |
| 27 | 24.1 | 24.2 | 24.2 | 24.2 | 24.3 | 24.3 | 24.2 | 24.2 | 24.2 | 24.3 | 24.5 | 24.5 | 24.5 | 24.6 | 24.7 | 24.7 | 24.7 | 24.5 | 24.4 | 25.1 | 26.4 | 27.3 | 27.8 | 28.2 | 28.2 | 24.1 |
| 28 | 28.4 | 28.5 | 28.5 | 28.5 | 28.4 | 28.3 | 28.2 | 28.1 | 27.1 | 25.9 | 25.3 | 25.1 | 25.3 | 25.5 | 25.8 | 25.9 | 25.9 | 25.8 | 25.5 | 25.2 | 24.8 | 25.3 | 26.3 | 26.2 | 28.5 | 24.8 |
| 29 | 26.6 | 27.2 | 27.7 | 28.0 | 28.2 | 27.6 | 26.6 | 26.1 | 25.9 | 25.8 | 25.4 | 25.5 | 26.5 | 26.9 | 26.9 | 26.8 | 26.7 | 26.5 | 26.2 | 25.8 | 25.8 | 26.9 | 28.1 | 28.9 | 28.9 | 25.4 |
| 30 | 29.3 | 29.5 | 29.0 | 27.5 | 27.3 | 27.8 | 28.2 | 28.8 | 29.0 | 28.1 | 28.2 | 28.9 | 28.6 | 28.3 | 28.1 | 27.9 | 27.7 | 27.4 | 27.0 | 26.6 | 27.2 | 28.5 | 29.4 | 30.0 | 30.0 | 26.6 |
| 31 | 29.7 | 28.3 | 28.1 | 27.6 | 27.4 | 27.2 | 27.0 | 26.9 | 26.8 | 26.7 | 26.9 | 27.0 | 27.0 | 27.2 | 27.2 | 27.2 | 27.1 | 26.9 | 26.7 | 27.0 | 28.2 | 29.2 | 28.7 | 27.8 | 29.7 | 26.7 |
| AVG. | 26.8 | 26.6 | 26.4 | 26.1 | 25.9 | 25.7 | 25.6 | 25.6 | 25.5 | 25.5 | 25.6 | 25.8 | 26.1 | 26.3 | 26.5 | 26.6 | 26.7 | 26.6 | 26.5 | 26.3 | 26.3 | 26.6 | 26.8 | 26.9 | | |

OZONE TRANSPORT CORRIDORS STUDY

SITE NAME : Shadow Mountain

ELEVATION : 4120 feet

PARAMETER : Shelter Temperature (Degrees C)

LATITUDE : 34 degrees 44 minutes 15 seconds

LONGITUDE : 117 degrees 33 minutes 54 seconds

T & B SYSTEMS, INC.

MONTH : August

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 | 31.3 | 31.0 | 30.7 | 30.4 | 30.1 | 29.8 | 29.6 | 29.4 | 29.2 | 29.1 | 29.1 | 29.2 | 29.3 | 29.6 | 30.0 | 30.5 | 31.0 | 31.5 | 31.9 | 32.1 | 32.3 | 32.2 | 32.1 | 31.8 | 32.3 | 29.1 |
| 2 | 31.6 | 31.3 | 31.0 | 30.6 | 30.3 | 30.0 | 29.8 | 29.5 | 29.3 | 29.2 | 29.1 | 29.2 | 29.4 | 29.6 | 30.0 | 30.4 | 30.9 | 31.3 | 31.6 | 31.8 | 31.9 | 31.9 | 31.8 | 31.6 | 31.9 | 29.1 |
| 3 | 31.3 | 31.0 | 30.7 | 30.4 | 30.1 | 29.8 | 29.5 | 29.3 | 29.1 | 29.0 | 29.0 | 29.1 | 29.3 | 29.5 | 29.9 | 30.3 | 30.7 | 31.1 | 31.4 | 31.5 | 31.6 | 31.5 | 31.3 | 31.1 | 31.6 | 29.0 |
| 4 | 30.7 | 30.3 | 29.9 | 29.6 | 29.2 | 28.9 | 28.6 | 28.4 | 28.2 | 28.1 | 28.0 | 28.1 | 28.2 | 28.5 | 28.8 | 29.2 | 29.6 | 30.0 | 30.3 | 30.6 | 30.6 | 30.6 | 30.4 | 30.2 | 30.7 | 28.0 |
| 5 | 29.9 | 29.6 | 29.3 | 29.0 | 28.7 | 28.4 | 28.1 | 27.9 | 27.8 | 27.6 | 27.6 | 27.7 | 27.8 | 28.1 | 28.4 | 28.8 | 29.2 | 29.6 | 29.9 | 30.1 | 30.3 | 30.2 | 30.1 | 29.8 | 30.3 | 27.6 |
| 6 | 29.6 | 29.3 | 29.0 | 28.7 | 28.4 | 28.1 | 27.8 | 27.5 | 27.3 | 27.2 | 27.1 | 27.2 | 27.4 | 27.8 | 28.2 | 28.7 | 29.2 | 29.6 | 30.0 | 30.3 | 30.4 | 30.5 | 30.4 | 30.2 | 30.5 | 27.1 |
| 7 | 30.0 | 29.9 | 29.6 | 29.4 | 29.2 | 29.0 | 28.8 | 28.6 | 28.5 | 28.5 | 28.5 | 28.6 | 28.9 | 29.2 | 29.6 | 30.0 | 30.4 | 30.7 | 31.0 | 31.2 | 31.3 | 31.3 | 31.1 | 30.9 | 31.3 | 28.5 |
| 8 | 30.6 | 30.3 | 30.0 | 29.6 | 29.3 | 29.0 | 28.8 | 28.5 | 28.3 | 28.2 | 28.2 | 28.3 | 28.5 | 28.8 | 29.2 | 29.6 | 30.1 | 30.6 | 30.9 | 31.2 | 31.3 | 31.3 | 31.3 | 31.1 | 31.3 | 28.2 |
| 9 | 30.8 | 30.6 | 30.3 | 30.0 | 29.7 | 29.4 | 29.2 | 29.1 | 28.9 | 28.8 | 28.8 | 28.9 | 29.1 | 29.4 | 29.9 | 30.3 | 30.8 | 31.2 | 31.5 | 31.7 | 31.8 | 31.8 | 31.6 | 31.4 | 31.8 | 28.8 |
| 10 | 31.2 | 30.9 | 30.6 | 30.3 | 30.0 | 29.6 | 29.3 | 29.1 | 28.9 | 28.8 | 28.7 | 28.7 | 28.7 | 28.9 | 29.3 | 29.9 | 30.8 | 31.3 | 31.2 | 31.0 | 30.8 | 30.6 | 30.3 | 29.9 | 31.3 | 28.7 |
| 11 | 29.5 | 29.1 | 28.7 | 28.3 | 27.9 | 27.5 | 27.2 | 27.0 | 26.8 | 26.6 | 26.6 | 26.7 | 26.9 | 27.2 | 27.6 | 28.1 | 28.5 | 28.9 | 29.3 | 29.5 | 29.6 | 29.6 | 29.5 | 29.3 | 29.6 | 26.6 |
| 12 | 29.1 | 28.8 | 28.5 | 28.2 | 28.0 | 27.7 | 27.5 | 27.3 | 27.2 | 27.0 | 27.0 | 27.1 | 27.4 | 27.7 | 28.1 | 28.5 | 29.0 | 29.4 | 29.7 | 29.9 | 29.9 | 29.9 | 29.7 | 29.5 | 29.9 | 27.0 |
| 13 | 29.2 | 28.9 | 28.6 | 28.3 | 28.0 | 27.8 | 27.5 | 27.3 | 27.2 | 27.1 | 27.1 | 27.2 | 27.4 | 27.7 | 28.1 | 28.6 | 29.1 | 29.5 | 29.8 | 30.0 | 30.0 | 29.9 | 29.8 | 29.5 | 30.0 | 27.1 |
| 14 | 29.2 | 28.9 | 28.6 | 28.2 | 27.9 | 27.5 | 27.3 | 27.1 | 26.8 | 26.6 | 26.6 | 26.6 | 26.7 | 27.0 | 27.4 | 27.9 | 28.5 | 29.0 | 29.4 | 29.6 | 29.7 | 29.7 | 29.5 | 29.3 | 29.7 | 26.6 |
| 15 | 29.0 | 28.8 | 28.5 | 28.1 | 27.9 | 27.6 | 27.4 | 27.2 | 27.0 | 26.9 | 26.9 | 27.0 | 27.2 | 27.5 | 27.8 | 28.3 | 28.6 | 29.0 | 29.3 | 29.5 | 29.5 | 29.4 | 29.1 | 28.8 | 29.5 | 26.9 |
| 16 | 28.5 | 28.0 | 27.6 | 27.1 | 26.7 | 26.3 | 26.0 | 25.8 | 25.6 | 25.5 | 25.4 | 25.5 | 25.6 | 25.9 | 26.2 | 26.6 | 26.9 | 27.3 | 27.5 | 27.6 | 27.6 | 27.6 | 27.4 | 27.1 | 28.5 | 25.4 |
| 17 | 26.8 | 26.5 | 26.2 | 25.8 | 25.5 | 25.2 | 24.8 | 24.5 | 24.3 | 24.1 | 23.9 | 23.9 | 24.0 | 24.3 | 24.6 | 25.0 | 25.4 | 25.8 | 26.1 | 26.2 | 26.3 | 26.2 | 26.0 | 25.9 | 26.8 | 23.9 |
| 18 | 25.7 | 25.4 | 25.0 | 24.7 | 24.3 | 24.0 | 23.7 | 23.4 | 22.9 | 22.7 | 22.6 | 22.6 | 22.8 | 23.2 | 23.6 | 24.1 | 24.7 | 25.2 | 25.7 | 26.0 | 26.3 | 26.5 | 26.5 | 26.4 | 26.5 | 22.6 |
| 19 | 26.3 | 26.1 | 25.9 | 25.8 | 25.6 | 25.4 | 25.2 | 25.1 | 25.0 | 25.0 | 25.0 | 25.2 | 25.5 | 25.9 | 26.4 | 27.0 | 27.4 | 27.8 | 28.5 | 29.0 | 29.1 | 29.3 | 29.2 | 29.1 | 29.3 | 25.0 |
| 20 | 29.0 | 28.8 | 28.6 | 28.4 | 28.2 | 28.0 | 27.8 | 27.6 | 27.2 | 27.0 | 27.0 | 27.1 | 27.4 | 27.6 | 28.0 | 28.4 | 28.5 | 28.5 | 28.5 | 28.5 | 28.4 | 28.3 | 28.2 | 28.0 | 29.0 | 27.0 |
| 21 | 27.8 | 27.7 | 27.5 | 27.3 | 27.1 | 27.0 | 26.8 | 26.8 | 26.6 | 26.6 | 26.5 | 26.6 | 26.7 | 27.0 | 27.3 | 27.9 | 27.9 | 28.0 | 28.0 | 27.9 | 27.8 | 27.6 | 27.4 | 27.2 | 28.0 | 26.5 |
| 22 | 27.0 | 26.8 | 26.6 | 26.4 | 26.2 | 26.1 | 26.0 | 25.8 | 25.7 | 25.6 | 25.7 | 25.8 | 26.1 | 26.4 | 26.8 | 27.3 | 27.7 | 28.1 | 28.5 | 28.7 | 28.8 | 28.7 | 28.6 | 28.5 | 28.8 | 25.6 |
| 23 | 28.3 | 28.1 | 27.9 | 27.7 | 27.5 | 27.3 | 27.1 | 27.0 | 26.8 | 26.7 | 26.7 | 26.8 | 27.0 | 27.3 | 27.7 | 28.1 | 28.5 | 28.8 | 29.0 | 29.1 | 29.1 | 29.0 | 28.8 | 28.5 | 29.1 | 26.7 |
| 24 | 28.1 | 27.8 | 27.5 | 27.1 | 26.8 | 26.5 | 26.3 | 26.1 | 25.8 | 25.7 | 25.7 | 25.8 | 26.0 | 26.4 | 26.9 | 27.3 | 27.7 | 28.1 | 28.4 | 28.6 | 28.7 | 28.7 | 28.5 | 28.2 | 28.7 | 25.7 |
| 25 | 27.9 | 27.6 | 27.2 | 26.9 | 26.5 | 26.3 | 26.0 | 25.8 | 25.5 | 25.4 | 25.3 | 25.3 | 25.4 | 25.7 | 26.0 | 26.5 | 26.9 | 27.2 | 27.5 | 27.7 | 27.7 | 27.7 | 27.5 | 27.3 | 27.9 | 25.3 |
| 26 | 27.1 | 26.8 | 26.5 | 26.1 | 25.8 | 25.6 | 25.3 | 25.0 | 24.9 | 24.7 | 24.6 | 24.7 | 24.9 | 25.2 | 25.6 | 26.1 | 26.5 | 26.9 | 27.3 | 27.5 | 27.6 | 27.6 | 27.6 | 27.5 | 27.6 | 24.6 |
| 27 | 27.3 | 27.0 | 26.8 | 26.5 | 26.2 | 26.0 | 25.7 | 25.5 | 25.4 | 25.3 | 25.3 | 25.4 | 25.6 | 26.0 | 26.4 | 26.8 | 27.3 | 27.7 | 28.0 | 28.2 | 28.3 | 28.3 | 28.2 | 28.1 | 28.3 | 25.3 |
| 28 | 27.8 | 27.6 | 27.3 | 27.0 | 26.8 | 26.5 | 26.3 | 26.2 | 26.0 | 25.9 | 25.9 | 26.0 | 26.2 | 26.5 | 26.9 | 27.3 | 27.8 | 28.2 | 28.5 | 28.7 | 28.8 | 28.7 | 28.6 | 28.4 | 28.8 | 25.9 |
| 29 | 28.2 | 27.9 | 27.6 | 27.3 | 27.0 | 26.7 | 26.5 | 26.3 | 26.1 | 26.0 | 26.0 | 26.1 | 26.4 | 26.7 | 27.1 | 27.6 | 28.1 | 28.5 | 28.9 | 29.1 | 29.2 | 29.2 | 29.1 | 28.9 | 29.2 | 26.0 |
| 30 | 28.6 | 28.4 | 28.1 | 27.9 | 27.6 | 27.4 | 27.2 | 27.0 | 26.8 | 26.7 | 26.7 | 26.8 | 27.0 | 27.3 | 27.7 | 28.1 | 28.6 | 29.0 | 29.3 | 29.5 | 29.7 | 29.7 | 29.6 | 29.4 | 29.7 | 26.7 |
| 31 | 29.2 | 29.0 | 28.8 | 28.5 | 28.3 | 28.1 | 27.9 | 27.7 | 27.5 | 27.5 | 27.5 | 27.6 | 27.8 | 28.1 | 28.5 | 29.0 | 29.4 | 29.8 | 30.1 | 30.3 | 30.3 | 30.3 | 30.2 | 30.3 | 30.3 | 27.5 |
| AVG. | 28.9 | 28.7 | 28.4 | 28.1 | 27.8 | 27.5 | 27.3 | 27.1 | 26.9 | 26.7 | 26.7 | 26.8 | 27.0 | 27.3 | 27.7 | 28.1 | 28.6 | 29.0 | 29.3 | 29.4 | 29.5 | 29.5 | 29.3 | 29.1 | | |

# APPENDIX A

## Zero Precision Span Check Reports

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB $O_3$ TRANSP Station ID BAL Location BALDY MESA

Analyzer Make/Model OASIS 1003-A-H Serial No 3156 Range 0-500 ppb

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 7/2 | 7/12 | 7/21 | 7/25 | 7/25 | 8/8 |
| | Date of Last Calibration | 6/7 | 6/7 | 7/12 | 7/12 | 7/12 | 7/12 |
| | Station Operator | RCH | DVM/RH | RCH | DVM | DVM | RCH |
| | Check is U or A (1) | U | U | U | U | U (AS LEFT) | U |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 2 | 2 | 2 | 2.1 |
| | Analyzer Span Number | 60.550 | 60.550 | 60.550 | 60.550 | 60.550 | 60.550 |
| | Sample Frequency (40.0 - 48.0) | 47.071 | 45.210 | 44.1 | 43.642 | 45.883 | 44.212 |
| | Control Frequency (21.0 - 28.0) | 24.806 | 23.699 | 23.1 | ~~23.206~~ 22.886 | 22.725 | 21.862 |
| ZERO | Known Input Concentration, ppb | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DVM Volts | — | — | — | — | — | — |
| | Observed DAS Response, ppb | 1 | 2 | -1 | 0 | 0 | 1 |
| | Pass? (2) (Yes / No) | Y | Y | Y | Y | Y | Y |
| PRECESION | Known Input Concentration, ppb | — | 90 | N/A | 98 | — | 99 |
| | DVM Volts | — | — | — | — | — | — |
| | Observed DAS Response, ppb | — | 89 | — | 89 | — | 93 |
| | DAS Error Δ% (3) | — | -1.1 | — | -9.2 | — | -6.1 |
| | Pass? (4) (Yes / No) | — | Y | — | Y | — | Y |
| SPAN | Known Input Concentration, ppb | 430 | 416 | 419 | 436 | 449 | 392 |
| | DVM Volts | — | — | | — | — | — |
| | Observed DAS Response, ppb | 433 | 407 | 407 | 407 | 422 | 372 |
| | DAS Error Δ% (3) | 0.6 | -2.2 | -2.9 | -6.7 | -6.0 | -5.1 |
| | Pass? (4) (Yes / No) | Y | 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

7/2/95 $O_3$ off for Cal's 21:48 - 22:20 PST ~~10:15~~ 10:30 PDT

7/12/95 $O_3$ offline for calibration: 08:36 - ~~10:15~~ 10:30 PST

7/21/95 $O_3$ offline for ZPS 11:09 - 11:53

7/25/95 $O_3$ offline for ZPS 09:01 - 12:00

8/8/95 $O_3$ offline for multipoint cal 14:48 - ~~15:52~~ 15:52

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB $O_3$ TRANSP Station ID BAL Location BALOY MESA

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 8/17 | 8/30 | 8/30 | 9/8 | | |
| | Date of Last Calibration | 8/8 | 8/8 | 8/8 | 8/8 | | |
| | Station Operator | RCH | RCH | RCH | RCH | | |
| | Check is **U** or **A** (1) | U | U | A | U | | |
| | Sample Flow Rate (2 LPM) | 2.1 | 2.0 | 2.0 | 2.0 | | |
| | Analyzer Span Number | 60.550 | 60.550 | 60.550 | 60.550 | | |
| | Sample Frequency (40.0 - 48.0) | 43.595 | 42.319 | 46.982 | 45.922 | | |
| | Control Frequency (21.0 - 28.0) | 21.413 | 20.810 | 22.959 | 22.524 | | |
| 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 | -2 | | |
| | Pass? (2) (Yes / No) | Y | Y | Y | Y | | |
| PRECESION | Known Input Concentration, ppb | N/A | 95 | N/A | N/A | | |
| | DVM Volts | — | — | — | — | | |
| | Observed DAS Response, ppb | — | 98 | — | — | | |
| | DAS Error Δ% (3) | — | 2.8 | — | — | | |
| | Pass? (4) (Yes / No) | — | Y | — | N/A | | |
| SPAN | Known Input Concentration, ppb | 424 | 404 | 413 | 408 | | |
| | DVM Volts | — | — | | | | |
| | Observed DAS Response, ppb | 409 | 424 | 427 | 406 | | |
| | DAS Error Δ% (3) | -3.5 | 5.0 | 3.5 | -0.5 | | |
| | 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

$O_3$ off line

| Date | Start | End | |
|---|---|---|---|
| 8/16 | 23:50 | → | offline 8/16 2350 To 8/17 00:26 |
| 8/17 | → | 00:26 | |
| 8/30 | 19:04 | 20:28 | Adjusted lamp |
| 9/8 | 05:28 | - 05:55 | |

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB $O_3$ TRANSP Station ID BOR Location BORON

Analyzer Make/Model DASIBI 1003-AH Serial No 180 S Range 500 ppb

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 7-3 | 7-13 | 7-19 | 7-26 | 8-8 | 8-8 |
| | Date of Last Calibration | 6-7-95 | 6-7-95 | 7-13 | 7-13 | 7-13 | 8-8 |
| | Station Operator | RCH | RH/DVN | RCH | DVN | RCH | RCH |
| | Check is U or A (1) | U | U | U | U | U | A |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 1.8 | 2 | 2 | 2 |
| | Analyzer Span Number | 57.550 | 57.550 | 57.550 | 57.550 | 57.550 | 57.550 |
| | Sample Frequency (40.0 - 48.0) | 41.887 | 41.317 | 40.9 | 39.584 | 39.352 | 43.697 |
| | Control Frequency (21.0 - 28.0) | 27.557 | 27.502 | 27.4 | 26.750 | 26.578 | 22.478 |
| 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 | 0 | 0 | -4.6 | -4.6 |
| | Pass? (2) (Yes / No) | Y | Y | Y | Y | Y | Y |
| PRECESION | Known Input Concentration, ppb | N/A | 94 | N/A | 82 | 98.6 | N/A |
| | DVM Volts | | — | — | — | | |
| | Observed DAS Response, ppb | N/A | 95 | — | 80 | 92.3 | |
| | DAS Error Δ% (3) | N/A | 1.1 | — | -2.4 | -6.4 | |
| | Pass? (4) (Yes / No) | N/A | Y | — | Y | Y | |
| SPAN | Known Input Concentration, ppb | 421 | 415 | 430 | 400 | 409 | 418 |
| | DVM Volts | — | — | — | — | — | — |
| | Observed DAS Response, ppb | 415 | 422 | 437 | 394 | 395 | 403 |
| | DAS Error Δ% (3) | -1.4 | 1.7 | 1.6 | -1.5 | -3.5 | -3.5 |
| | Pass? (4) (Yes / No) | Y | 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

INTERNAL TEMP 7-13-95 @ 19:00 26.3 °C

$O_3$ OFF LINE
7-3-95 19:30 - 20:22
7-13-95 17:43 - 18:58

$O_3$ off line 7/19 19:45 - 20:25
$O_3$ offline 7/26 14:01 - 14:52

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB $O_3$ TRANSP. Station ID BOR Location BORON F.S. CA

Analyzer Make/Model DASIBI 1003-A-14 Serial No 1805 Range 0-500 ppb

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 8-18 | 8-31 | 9-9 | 9-9 | | |
| | Date of Last Calibration | 8/9 | 8/9 | 8-9 | 8-9 | | |
| | Station Operator | RCH | RCH | RCH | RCH | | |
| | Check is **U** or **A** (1) | U | U | U | A | | |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 2.4 | 2.2 | | |
| | Analyzer Span Number | 57,550 | 57,550 | 57,550 | 57,550 | | |
| | Sample Frequency (40.0 - 48.0) | 42,447 | 40,410 | 39,219 | 47,556 | | |
| | Control Frequency (21.0 - 28.0) | 22,261 | 21,987 | 21,968 | 23,952 | | |
| 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 | -2 | -2 | | |
| | Pass? (2) (Yes / No) | Y | Y | Y | Y | | |
| PRECESION | Known Input Concentration, ppb | N/A | 91.1 | N/A | N/A | | |
| | DVM Volts | — | — | — | ↓ | | |
| | Observed DAS Response, ppb | — | 91.6 | N/A | | | |
| | DAS Error Δ% (3) | — | 0.5 | N/A | ↓ | | |
| | Pass? (4) (Yes / No) | — | Y | N/A | N/A | | |
| SPAN | Known Input Concentration, ppb | 400 | 401 | 397 | 411 | | |
| | DVM Volts | — | — | — | | | |
| | Observed DAS Response, ppb | 398 | 403 | ~~394~~ 394 RLA | 420 | | |
| | DAS Error Δ% (3) | -0.5 | 0.5 | ~~N/A~~ -0.7 | 2.2 | | |
| | 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

$O_3$ OFFLINE FOR CAL. 8/18 17:01 - 17:33 PST, and 17:41-47 Filter change
8/31 19:01 - 19:43 PST
9/9 16:00:30 - 17:05 PST Z/A, Lamp Adjust and 2nd Z/A

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name O3 TRANSPORT STUDY Station ID CAT Location CATALINA AIRPORT

Analyzer Make/Model DICOSAN Serial No 2509 Range 1000 ppb

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 8-2 | 8-7-95 | → | 16AUG95 | 23AUG95 | 30AUG95 |
| | Date of Last Calibration | 24JUL95 | → | → | → | → | 23AUG95 |
| | Station Operator | G. MAZIS | FED | → | FED | FED | G MAZIS |
| | Check is U or A (1) | U | U | A | U | U | U |
| | Sample Flow Rate (2 LPM) | 2.1 | 2.1 | → | 2.1 | 2.1 | 2.2 |
| | Analyzer Span Number | 55.550 | 55.550 | → | 5555 | 5555 | 55.55 |
| | Sample Frequency (40.0 - 48.0) | 37.750 | 37.603 | 43.813 | 43.059 | 42.535 | 41.823 |
| | Control Frequency (21.0 - 28.0) | 21.265 | 21.027 | 23.640 | 23.374 | 23.215 | 22.859 |
| ZERO | Known Input Concentration, ppb | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | ~~DVM Volts~~ OFFSET | (5) | (5) | (9) | (9) | (9) | (7) |
| | Observed DAS Response, ppb | 5 | 5 | 7 | 6 | 5 | 13 |
| | Pass? (2) (Yes / No) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PRECISION | Known Input Concentration, ppb | | 87 | 92 | | 97 | |
| | ~~DVM Volts~~ | | | | | | |
| | Observed DAS Response, ppb | | 86 | 97 | | 97 | |
| | DAS Error Δ% (3) | | -1.1 | 5 | | 0 | |
| | Pass? (4) (Yes / No) | | ✓ | ✓ | | ✓ | |
| SPAN | Known Input Concentration, ppb | 400 ~~411.600~~ | 398 | 379 | 413 | 409 | 407 |
| | ~~DVM Volts~~ | | | | | | |
| | Observed DAS Response, ppb | 378 | 373 | 377 | 385 | 390 | 386 |
| | DAS Error Δ% (3) | -5.5 ~~-4.060~~ | -6.3 | -5.5 | -6.8 | -4.6 | -5.2 |
| | 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

$Y_{STD} = 1.0356X - 1.36$

NEW BEST EQUATION FOR T-STD USED ON 30AUG95

$Y_{STD} = 1.0385X - 2.168$

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB $O_3$ TRANSP Station ID FLA Location FLASH II MTN

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 7-3 | 7-14 | 7-20 | 7-27 | 8-8 | |
| | Date of Last Calibration | 6-10 | 6-10 | 7-14 | 7-14 | 7-14 | |
| | Station Operator | RCG | DVN/RH | RCG | DVN | RCG | |
| | Check is U or A (1) | U | U | U | U | U* | |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 2.2 | 2 | 2.1 | |
| | Analyzer Span Number | ~~59.450~~ 59.450 | 59.450 | 59.450 | 59.450 | 59.450 | |
| | Sample Frequency (40.0 - 48.0) | 42.959 | 43.342 | ~~43.6~~ 43.8 | 42.413 | 43.386 | |
| | Control Frequency (21.0 - 28.0) | 23.584 | 23.788 | 24.1 | 23.473 | 23.980 | |
| ZERO | Known Input Concentration, ppb | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DVM Volts | — | — | — | — | — | |
| | Observed DAS Response, ppb | -5 | 5 | 9 | 9 | 5 | |
| | Pass? (2) (Yes / No) | Y | Y | Y | Y | Y | |
| PRECESION | Known Input Concentration, ppb | N/A | 84 | N/A | 82 | 95 | |
| | DVM Volts | | — | — | — | — | |
| | Observed DAS Response, ppb | ~~N/A~~ | 87 | — | 86 | 98 | |
| | DAS Error Δ% (3) | N/A | 3.6 | — | 4.9 | 3.9 | |
| | Pass? (4) (Yes / No) | N/A | Y | — | Y | Y | |
| SPAN | Known Input Concentration, ppb | 344 | 400 | 414 | 379 | 417 | |
| | DVM Volts | — | — | — | — | — | |
| | Observed DAS Response, ppb | 369 | 404 | 422 | 382 | 417 | |
| | DAS Error Δ% (3) | 7.3 | 1.0 | 1.9 | 0.8 | 0 | |
| | 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

$O_3$ offline for:
7/3/95 14:15 - 15:03
7/14/95 13:35 - 15:45
7/20/95 19:42 - 20:29
7/27 13:01 - 13:55
8/8 As found after warm up after contact fuse.
$O_3$ offline 8/8 21:20 - 22:59
Note: Warm up 19:45 - 21:20

OGDEN ENVIRONMENTAL AND ENERGY SERVICES

5/95

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB O3 TRANSP Station ID FLA Location FLASH II MTN

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 8/17 | 8/31 | 9/7 | | | |
| | Date of Last Calibration | 8/8 | 8/8 | 8/8 | | | |
| | Station Operator | RCH | RCH | RCH | | | |
| | Check is U or A (1) | U | U | U | | | |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 2 | | | |
| | Analyzer Span Number 59,450 → | 59.~~450~~ | 59,450 | 59,450 | | | |
| | Sample Frequency (40.0 - 48.0) | 42.031 | 41.752 | 41.521 | | | |
| | Control Frequency (21.0 - 28.0) | 23.391 | 23.222 | 23.062 | | | |
| ZERO | Known Input Concentration, ppb | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DVM Volts | — | — | — | | | |
| | Observed DAS Response, ppb | 4 | 5 | 1 | | | |
| | Pass? (2) (Yes / No) | Y | Y | Y | | | |
| PRECESION | Known Input Concentration, ppb | N/A | 90 | N/A | | | |
| | DVM Volts | — | — | — | | | |
| | Observed DAS Response, ppb | — | 91 | — | | | |
| | DAS Error Δ% (3) | — | 1.8 | — | | | |
| | Pass? (4) (Yes / No) | — | Y | N/A | | | |
| SPAN | Known Input Concentration, ppb | 404 | 394 | 398 | | | |
| | DVM Volts | — | — | — | | | |
| | Observed DAS Response, ppb | 400 | 387 | 392 | | | |
| | DAS Error Δ% (3) | -1 | -1.8 | -1.5 | | | |
| | 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

$O_3$ Down for test 8/17 20:02 - 20:55 PST
8/31 0204 - 0252 PST
9/7 22:00:30 - 22:41:00 PST

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB $O_3$ TRANSP. Station ID LUD Location LUDLOW, CA

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 7/3/95 | 7/14/95 | 7/14/95 | 7/20/95 | 7/27/95 | 8/8/95 |
| | Date of Last Calibration | 6/10 | 6/10 | 6/10 | 7/14 | 7/14 | 7/14 |
| | Station Operator | RCH | DVN/RH | DVN/RH | RCH | DVN | RCH |
| | Check is U or A (1) | U | U | A | U | U | U |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 2 | 2 | 2 | 2 |
| | Analyzer Span Number | 55.550 | 55.550 | 55.550 | 55.550 | 55.550 | 55.550 |
| | Sample Frequency (40.0 - 48.0) | 40.785 | 40.331 | 41.814 | 42.865 | 42.652 | 42.158 |
| | Control Frequency (21.0 - 28.0) | 28.242 | 28.260 | 23.976 | 24.186 | 24.154 | 24.136 |
| ZERO | Known Input Concentration, ppb | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DVM Volts | — | — | — | — | — | — |
| | Observed DAS Response, ppb | -2 | -2 | -1 | 0 | -2 | -2 |
| | Pass? (2) (Yes / No) | Y | Y | Y | Y | Y | Y |
| PRECESION | Known Input Concentration, ppb | N/A | NA | 84 | N/A | 87 | 87 |
| | DVM Volts | — | | — | — | — | — |
| | Observed DAS Response, ppb | N/A | | 83 | — | 83 | 84 |
| | DAS Error Δ% (3) | N/A | | -1.2 | — | -4.6 | -3.3 |
| | Pass? (4) (Yes / No) | N/A | V | Y | — | Y | Y |
| SPAN | Known Input Concentration, ppb | 421 | 441 | 435 | 437 | 415 | 415 |
| | DVM Volts | — | — | — | — | — | — |
| | Observed DAS Response, ppb | 418 | 434 | 421 | 428 | 407 | 404 |
| | DAS Error Δ% (3) | -0.7 | -1.6 | -3.2 | -2.1 | -1.9 | -2.6 |
| | Pass? (4) (Yes / No) | Y | Y | Y | Y | Y | Y |

(1) Unadjusted = "As Found"; Adjusted = "As Left" Z/A
(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

$O_3$ analyzer and external temp off-line

7/3/95 09:28 - 10:20
7/14/95 08:40 - 10:55
7/20/95 15:03 - 15:54
7/27 07:50 - 08:55
8/8 10:25 - 11:59

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB $O_3$ TRANSFER Station ID LUD Location LUDLOW, CA

Analyzer Make/Model DASIBI 1003-A-H Serial No 1039 Range 0-500 ppb

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 8-18 | 8-31 | 9-7 | | | |
| | Date of Last Calibration | 8/9 | 8/9 | 8/9 | | | |
| | Station Operator | RCH | RCH | RCH | | | |
| | Check is U or A (1) | U | U | U | | | |
| | Sample Flow Rate (2 LPM) | 2.3 | 2.1 | 2.0 | | | |
| | Analyzer Span Number | 55.550 | ~~50~~ 55.550 | 55.550 | | | |
| | Sample Frequency (40.0 - 48.0) | 42.055 | 41.973 | 41.547 | | | |
| | Control Frequency (21.0 - 28.0) | 24.107 | 24.064 | 24.048 | | | |
| 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 | 0 | | | |
| | Pass? (2) (Yes / No) | Y | Y | Y | | | |
| PRECESION | Known Input Concentration, ppb | N/A | 90 | N/A | | | |
| | DVM Volts | – | – | – | | | |
| | Observed DAS Response, ppb | – | 87 | – | | | |
| | DAS Error Δ% (3) | – | -3.3 | – | | | |
| | Pass? (4) (Yes / No) | – | Y | – | | | |
| SPAN | Known Input Concentration, ppb | 407 | 414 | 413 | | | |
| | DVM Volts | – | – | – | | | |
| | Observed DAS Response, ppb | 401 | 401 | 413 | | | |
| | DAS Error Δ% (3) | -1.4 | -3.1 | 0 | | | |
| | 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

$O_3$ and Temp off line dates & times 11:04 - 11:57 8-18-95

$O_3$ and Temp off line 8-31-95 0803 - 08:59

$O_3$ only off line 9/7/95 17:18 - 17:48 (Ran thru filter but not inlet due to Thunderstorm within a few miles)

# Ozone Analyzer Zero / Precision / Span Check Report

Project Name CARB $O_3$ TRANSP Station ID PAL Location S.E. PALMDALE, CA

Analyzer Make/Model DASIBI 1003 AH Serial No 1813 Range 0-500 ppb

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 2 July 95 | 12 July 95 | 19 July | 25 July | 8-17-95 | 8-17-95 |
| | Date of Last Calibration | 6/13 | 6/13 | 7/12 | 7/12 | 7/12 | 8-17 |
| | Station Operator | RCH | DVN/RCH | RH | DVN | RH | RH |
| | Check is U or A (1) | U | U | U | U | U | A |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 2 | 2 | 2 | 2 |
| | Analyzer Span Number | 57,850 | 57.850 | 57,850 | 57.850 | 57,850 | 57,850 |
| | Sample Frequency (40.0 - 48.0) | 42,381 | 40.713 | 40,0 | 39.388 ① | 37.734 | 41,496 |
| | Control Frequency (21.0 - 28.0) | 22,998 | 22,553 | 22,3 | 22.00 | 21,173 | 22.394 |
| ZERO | Known Input Concentration, ppb | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DVM Volts | — | — | — | — | — | — |
| | Observed DAS Response, ppb | 6 | 7 | 8 | 6 | 7 | 7 |
| | Pass? (2) (Yes / No) | Y | Y | Y | Y | Y | Y |
| PRECESION | Known Input Concentration, ppb | N/A | 91 | N/A | 90 | 97 | N/A |
| | DVM Volts | - | — | - | — | — | - |
| | Observed DAS Response, ppb | - | 96 | - | 93 | 100 | - |
| | DAS Error Δ% (3) | - | 5.5 | - | 3.3 | 3.1 | |
| | Pass? (4) (Yes / No) | - | Y | - | Y | Y | - |
| SPAN | Known Input Concentration, ppb | 431 | 430 | 412 | 413 | 411 | 429 |
| | DVM Volts | - | — | - | — | | |
| | Observed DAS Response, ppb | 438 | 439 | 420 | 414 | 411 | 426 |
| | DAS Error Δ% (3) | 1.5 | 2.1 | 1.9 | 0.2 | 0 | -0.7 |
| | Pass? (4) (Yes / No) | Y | 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

Invalid ozone data:

| | |
|---|---|
| 2 July 95 | 17:00 - 17:50 |
| 12 July 95 | 13:30 - 15:38 |
| 19 July 95 | 14:12 - 15:02 PST |
| 25 July 95 | 15:03 - 16:07 |
| 17 Aug 95 | 12:12 - 13:56 PST |

① 39.388 just outside of desired range.

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB $O_3$ TRANSV Station ID PAL Location SE PALMDALE, CA

Analyzer Make/Model DASIBI 1003-A-H Serial No 1813 Range 0-500 ppb

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 8-20 | 9-1-95 | 9-8-95 | | | |
| | Date of Last Calibration | 8-17 | 8-17 | 8-17 | | | |
| | Station Operator | RCH | RCH | RCH | | | |
| | Check is U or A (1) | U | U | U | | | |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 2 | | | |
| | Analyzer Span Number | 57,850 | 57,850 | 57,850 | | | |
| | Sample Frequency (40.0 - 48.0) | 41,160 | 40,575 | 40,380 | | | |
| | Control Frequency (21.0 - 28.0) | 22,277 | 21,915 | 21,783 | | | |
| ZERO | Known Input Concentration, ppb | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DVM Volts | - | - | - | | | |
| | Observed DAS Response, ppb | 7 | 6 | 7 | | | |
| | Pass? (2) (Yes / No) | Y | Y | Y | | | |
| PRECESION | Known Input Concentration, ppb | N/A | 83 | N/A | | | |
| | DVM Volts | - | - | - | | | |
| | Observed DAS Response, ppb | - | 85 | - | | | |
| | DAS Error Δ% (3) | - | 2.4 | - | | | |
| | Pass? (4) (Yes / No) | - | Y | N/A | | | |
| SPAN | Known Input Concentration, ppb | 410 | 401 | 403 | | | |
| | DVM Volts | - | - | | | | |
| | DAS INTERNAL Observed DAS Response, ppb | 417 | 392 | 403 | | | |
| | DAS Error Δ% (3) | 1.8 % | -2.2 | 0 | | | |
| | 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

$O_3$ OFF LINE FOR Z/S & FILTER CHANGE 13:01 - 13:50
$O_3$ OFF LINE FOR Z/P/S & FILTER CHANGE 14:00 - 14:58
$O_3$ OFF LINE FOR Z/S & FILTER CHANGE 15:01 - 15:59

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB $O_3$ TRANSP. Station ID QUA Location QUARTZITE MTN

Analyzer Make/Model DASIBI 1003 AH Serial No ~~3522~~ 2052 7/12 Range 0-500 ppb

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 7/2 | 7/13 | 7/20 | 7/26 | 8/8 | 8/8 |
| | Date of Last Calibration | 7/2 | 7/2 | 7/13 | 7/13 | 7/13 | 8/8 |
| | Station Operator | RCH | DVN/RH | RCH | DVN | RCH | RCH |
| | Check is U or A (1) | A | U | U | U | U | A |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 2.2 | 1.9 | 2 | 2 |
| | Analyzer Span Number | 61.550 | 61.550 | 61.550 | 61.550 | 61.550 | 61.550 |
| | Sample Frequency (40.0 - 48.0) | 46.671 | 43.106 | ~~46~~ 41.7 | 41.409 | 39.497 | 44.957 |
| | Control Frequency (21.0 - 28.0) | 24.445 | 23.238 | 22.7 | 22.898 | 22.188 | 23.949 |
| ZERO | Known Input Concentration, ppb | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DVM Volts | — | — | — | — | — | — |
| | Observed DAS Response, ppb | 0 | 3 | 0 | 1 | 1 | 4 |
| | Pass? (2) (Yes / No) | Y | Y | Y | Y | Y | Y |
| PRECESION | Known Input Concentration, ppb | 82 | 95 | N/A | 87 | 87 | — |
| | DVM Volts | ~~82~~ — | — | — | — | — | — |
| | Observed DAS Response, ppb | 82 | 97 | — | 89 | 91 | — |
| | DAS Error Δ% (3) | 0 | 2.1 | — | 2.3 | -4.8 | — |
| | Pass? (4) (Yes / No) | Y | Y | — | Y | Y | — |
| SPAN | Known Input Concentration, ppb | 430 | 421 | 410 | 425 | 416 | 411 |
| | DVM Volts | — | — | — | — | | |
| | Observed DAS Response, ppb | 430 | 420 | 414 | 427 | 410 | 397 |
| | DAS Error Δ% (3) | 0 | -.2 | 1.0 | 0.5 | -1.4 | -3.4 |
| | Pass? (4) (Yes / No) | Y | 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

$O_3$ OFF LINE 7/2 0838 (and prior to this due to last failure) UP 13:05
7/13 08:02 - 09:12
7/20 08:45 - 09:40
7/20 Moved Temp sensor because of microwave dish installation 09:40 - 10:22 MST
7/26 08:01 - 08:55 8/8 $O_3$ offline 0920 - 11:10

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB O3 TRANSP. Station ID QUA Location QUARTZITE MTN CA

Analyzer Make/Model DASIBI 1003-A-H Serial No 2052 Range 0-500 ppb

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 8/20 | 9/1 | 9/8 | | | |
| | Date of Last Calibration | 8/10 | 8/10 | 8/10 | | | |
| | Station Operator | RCH | RCH | RCH | | | |
| | Check is U or A (1) | U | U | U | | | |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 2 | | | |
| | Analyzer Span Number | 61.550 | 61.550 | 61.550 | | | |
| | Sample Frequency (40.0 - 48.0) | 44.517 | 44.134 | 43.374 | | | |
| | Control Frequency (21.0 - 28.0) | 23.808 | 23.984 | 23.801 | | | |
| ZERO | Known Input Concentration, ppb | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DVM Volts | — | — | — | | | |
| | Observed DAS Response, ppb | 6 | 0 | 2 | | | |
| | Pass? (2) (Yes / No) | Y | Y | Y | | | |
| PRECESION | Known Input Concentration, ppb | N/A | 90 | N/A | | | |
| | DVM Volts | — | — | — | | | |
| | Observed DAS Response, ppb | — | 92 | — | | | |
| | DAS Error Δ% (3) | — | 2.2 | — | | | |
| | Pass? (4) (Yes / No) | — | Y | N/A | | | |
| SPAN | Known Input Concentration, ppb | 405 | 397 | 403 | | | |
| | DVM Volts | — | — | | | | |
| | Observed DAS Response, ppb | 406 | 398 | 399 | | | |
| | DAS Error Δ% (3) | 0.3 | 0.3 | -1.0 | | | |
| | 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

$O_3$ OFFLINE 8/20 09:01 - 09:45 Test + Filter change
$O_3$ OFF LINE 9/1 0802 - 0854 Test + Filter change
$O_3$ OFF LINE 9/8 10:00 - 10:40 Test + Filter change

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB $O_3$ TRANSP. Station ID SHA Location SHADOW MTN

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 7/14 | 7/13 | 7/21 | 7/26/95 | 8/8/95 | 8/8 |
| | Date of Last Calibration | 6/11 | 6/11 | 7/13 | 7/13 | 7/13 | 8/13 |
| | Station Operator | RCH | DVN/RH | RCH | DVN | RCH | RCH |
| | Check is U or A (1) | U | U | U | U | U | A |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 2.1 | 2 | 2 | 2 |
| | Analyzer Span Number | 60.550 | 60.550 | 60.550 | 60.550 | 60.550 | 60.550 |
| | Sample Frequency (40.0 - 48.0) | 42.635 | 41.976 | 41.3 | 40.901 | 39.873 | 45.333 |
| | Control Frequency (21.0 - 28.0) | 23.553 | 23.182 | 22.8 | 22.591 | 21.966 | 23.944 |
| 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 | 2 | 1 | 3 | 3 |
| | Pass? (2) (Yes / No) | Y | Y | Y | Y | Y | Y |
| PRECESION | Known Input Concentration, ppb | N/A | 86 | N/A | 83 | 88 | N/A |
| | DVM Volts | — | — | — | — | — | — |
| | Observed DAS Response, ppb | N/A | 90 | — | 80 | 86 | — |
| | DAS Error Δ% (3) | N/A | 4.7 | — | -3.6 | -2.3 | — |
| | Pass? (4) (Yes / No) | N/A | Y | — | Y | Y | — |
| SPAN | Known Input Concentration, ppb | 400 | 391 | 418 | 400 | 411 | 415 |
| | DVM Volts | — | — | — | — | — | — |
| | Observed DAS Response, ppb | 406 | 391 | 411 | 382 | 396 | 397 |
| | DAS Error Δ% (3) | 1.5 | 0 | -1.7 | -4.5 | -3.8 | -4.5 |
| | Pass? (4) (Yes / No) | Y | 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

8/8 $O_3$ down 15:31 - 17:25

7/14 $O_3$ down for ZLA 0840 to 09:28 PST

7/13 $O_3$ down for multipoint cal 11:20 - 12:55 PST

7/21 $O_3$ down for ZLA ~~06:11~~ RCH - ~~07:47~~ RCH 0741 - 0835 PST

7/26 $O_3$ down for ZPS (12:01 - 12:50 DAYLIGHT SAVINGS) (11:01 - 11:50 PST)

# OZONE ANALYZER ZERO / PRECISION / SPAN CHECK REPORT

Project Name CARB $O_3$ TRANSV. Station ID SHA Location SHADOW MTN

Analyzer Make/Model DASIBI 1003-A-H Serial No 1836 Range 0-500 ppb

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| GENERAL | Date 1995 | 8-19-95 | 8-31-95 | 9-9-95 | | | |
| | Date of Last Calibration | 8/10 | 8-10 | 8-10 | | | |
| | Station Operator | RCH | RCH | RCH | | | |
| | Check is **U** or **A** (1) | U | U | U | | | |
| | Sample Flow Rate (2 LPM) | 2 | 2 | 2 | | | |
| | Analyzer Span Number | 60.550 | 60.550 | 60.550 | | | |
| | Sample Frequency (40.0 - 48.0) | 44.926 | 44.345 | 43.907 | | | |
| | Control Frequency (21.0 - 28.0) | 23.616 | 23.239 | 23.006 | | | |
| ZERO | Known Input Concentration, ppb | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | DVM Volts | — | — | — | | | |
| | Observed DAS Response, ppb | 1 | 4 | 4 | | | |
| | Pass? (2) (Yes / No) | Y | Y | Y | | | |
| PRECESION | Known Input Concentration, ppb | N/A | 93.7 | N/A | | | |
| | DVM Volts | — | — | — | | | |
| | Observed DAS Response, ppb | — | 96.4 | — | | | |
| | DAS Error Δ% (3) | — | 2.9 | — | | | |
| | Pass? (4) (Yes / No) | — | Y | N/A | | | |
| SPAN | Known Input Concentration, ppb | 402 | 403 | 399 | | | |
| | DVM Volts | — | — | | | | |
| | Observed DAS Response, ppb | 397 | 406 | 391 | | | |
| | DAS Error Δ% (3) | -1.2 | 0.7 | -2.0 | | | |
| | 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

$O_3$ off line 8/19 18:17 - 18:56 for Z/A RCH
$O_3$ off line for test & filter change 8/31 23:18 to 9/1 00:09 RCH
$O_3$ off line for test & filter change 9/9 21:00 to 21:45 RCH

# APPENDIX B

## Multipoint Calibration Reports

# OZONE MULTIPOINT CALIBRATION REPORT

Station: BALDY MESA  Date: 8/8/95  Tech: R.HILLESTAD

**** STATION OZONE ANALYZER ****

Begin: 1448 PST  Make: DASIBI  SN#: 3150
End: 1552 PST  Model: 1003 AH  Range: 0-500 ppb

Span#: 60.550  Samp.Freq.(40-48 kHz): 44.212
Offset#: 4  Cont.Freq.(21-28 kHz): 21.862

**** OZONE TRANSFER STANDARD ****

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

Cert. Date: 6-21-95  Samp.Freq.(40-48 kHz): 46.357
Slope: 1.0024  Cont.Freq.(21-28 kHz): 23.176
Inter.: 0.1010  Cell Temperature, C: 44.00
Bar. Pressure, mmHg: 651.50
STP Correction Factor: 1.1776

| 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 % |
|---|---|---|---|---|---|---|---|
| 13 | 0 | 1 | 1 | --- | --- | --- | --- |
| 97 | 99 | 93 | -6 | -6.1 | --- | --- | --- |
| 180 | 197 | 188 | -10 | -4.8 | --- | --- | --- |
| 345 | 392 | 372 | -20 | -5.1 | --- | --- | --- |
| Mean Absolute Errors: | | | 9 | 5.33 | | NA | NA |

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

COMMENT: O3 line loss at 404 ppb is 2.4 %

Station does not have chart recorder as backup system.

Results are "AS FOUND". No changes or adjustments made.

| **LINEAR REGRESSIONS** | Primary | Backup |
|---|---|---|
| Slope, m: | 0.9485 | NA |
| Intercept, b: | 0.112 | NA |
| Corr.,r: | 1.0000 | NA |

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

| | Primary | Backup |
|---|---|---|
| Pass/Fail: | PASS | NA |

# OZONE MULTIPOINT CALIBRATION REPORT

Station: BORON  Date: 8/9/95  Tech: R.HILLESTAD

## **** STATION OZONE ANALYZER ****

Begin: 1700 PST  Make: DASIBI  SN#: 1805
End: 1945 PST  Model: 1003 AH  Range: 0-500 ppb

Span#: 57.550  Samp.Freq.(40-48 kHz): 39.352
Offset#: 4  Cont.Freq.(21-28 kHz): 26.578

## **** OZONE TRANSFER STANDARD ****

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

Cert. Date: 6-21-95  Samp.Freq.(40-48 kHz): 46.220
Slope: 1.0024  Cont.Freq.(21-28 kHz): 23.168
Inter.: 0.1010  Cell Temperature, C: 46.00
Bar. Pressure, mmHg: 686.80
STP Correction Factor: 1.1241

| 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 % |
|---|---|---|---|---|---|---|---|
| 13 | 0 | -5 | -5 | --- | --- | --- | --- |
| 101 | 99 | 92 | -7 | -6.8 | --- | --- | --- |
| 175 | 182 | 171 | -11 | -6.0 | --- | --- | --- |
| 376 | 409 | 395 | -14 | -3.5 | --- | --- | --- |
| Mean Absolute Errors: | | | 9 | 5.43 | | NA | NA |

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

COMMENT: O3 line loss at 427 ppb is -0.6 %

Station does not have chart recorder as backup system. Sample frequency was low, but testable. This test is "as found". After this multipoint the optics were cleaned and sample frequency of 43.697 and control frequency of 22.478 obtained. A zero/span test result was zero=-5 and span of 418=403 ppb. Insignificant change.

| **LINEAR REGRESSIONS** | Primary | Backup |
|---|---|---|
| Slope, m: | 0.9761 | NA |
| Intercept, b: | -4.984 | NA |
| Corr.,r: | 1.0000 | NA |

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

| | Primary | Backup |
|---|---|---|
| Pass/Fail: | PASS | NA |

# OZONE MULTIPOINT CALIBRATION REPORT

Station: CATALINA Date: 23-Aug-95 Tech: G.MAZIS

**** STATION OZONE ANALYZER ****

Begin: 11:10 PST Make: DASIBI SN#: 2509
End: 13:45 PST Model: 1003 AH Range: 0-500 ppb

Span#: 55.550 Samp.Freq.(40-48 kHz): 42.535
Offset#: 4 Cont.Freq.(21-28 kHz): 23.215

**** OZONE TRANSFER STANDARD ****

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

Cert. Date: 14-May-95 Samp.Freq.(40-48 kHz): 45.710
Slope: 1.0356 Cont.Freq.(21-28 kHz): 50.001
Inter.: -1.3800 Cell Temperature, C: 41.800
Bar. Pressure, mmHg: 0.96
STP Correction Factor: 1.0000

| 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 | 5 | 5 | --- | --- | --- | --- |
| 405 | 409 | 390 | -19 | -4.6 | --- | --- | --- |
| 191 | 187 | 181 | -6 | -3.2 | --- | --- | --- |
| 104 | 97 | 97 | 0 | 0.0 | --- | --- | --- |
| Mean Absolute Errors: | | | 8 | 2.60 | | 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.

| **LINEAR REGRESSIONS** | Primary | Backup |
|---|---|---|
| Slope, m: | 0.9407 | NA |
| Intercept, b: | 5.267 | NA |
| Corr.,r: | 1.0000 | NA |

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

| | Primary | Backup |
|---|---|---|
| Pass/Fail: | PASS | NA |

# OZONE MULTIPOINT CALIBRATION REPORT

Station: FLASH II  Date: 8/8/95  Tech: R.HILLESTAD

## **** STATION OZONE ANALYZER ****

Begin: 2120 PST  Make: DASIBI  SN#: 3070
End: 2259 PST  Model: 1003 AH  Range: 0-500 ppb

Span#: 59.450  Samp.Freq.(40-48 kHz): 43.386
Offset#: 4  Cont.Freq.(21-28 kHz): 23.980

## **** OZONE TRANSFER STANDARD ****

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

Cert. Date: 6-21-95  Samp.Freq.(40-48 kHz): 45.675
Slope: 1.0024  Cont.Freq.(21-28 kHz): 22.996
Inter.: 0.1010  Cell Temperature, C: 43.00
Bar. Pressure, mmHg: 669.60
STP Correction Factor: 1.1421

| 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 % |
|---|---|---|---|---|---|---|---|
| 13 | 0 | 5 | 5 | --- | --- | --- | --- |
| 96 | 95 | 98 | 3 | 3.5 | --- | --- | --- |
| 172 | 183 | 186 | 3 | 1.6 | --- | --- | --- |
| 377 | 417 | 417 | -0 | -0.1 | --- | --- | --- |
| Mean Absolute Errors: | | | 3 | 1.73 | | NA | NA |

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

COMMENT: O3 line loss at 434 ppb is 1.4 %

Station does not have chart recorder as backup system.

Results are "AS FOUND". No changes or adjustments made.

| **LINEAR REGRESSIONS** | Primary | Backup |
|---|---|---|
| Slope, m: | 0.9872 | NA |
| Intercept, b: | 5.029 | NA |
| Corr.,r: | 1.0000 | NA |

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

| | Primary | Backup |
|---|---|---|
| Pass/Fail: | PASS | NA |

# OZONE MULTIPOINT CALIBRATION REPORT

Station: LUDLOW  Date: 8/9/95  Tech: R.HILLESTAD

**** STATION OZONE ANALYZER ****

Begin: 1025 PST  Make: DASIBI  SN#: 1039
End: 1159 PST  Model: 1003 AH  Range: 0-500 ppb

Span#: 55.550  Samp.Freq.(40-48 kHz): 42.158
Offset#: 4  Cont.Freq.(21-28 kHz): 24.136

**** OZONE TRANSFER STANDARD ****

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

Cert. Date: 6-21-95  Samp.Freq.(40-48 kHz): 46.667
Slope: 1.0024  Cont.Freq.(21-28 kHz): 23.546
Inter.: 0.1010  Cell Temperature, C: 40.50
Bar. Pressure, mmHg: 706.20
STP Correction Factor: 1.0744

| 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 % |
|---|---|---|---|---|---|---|---|
| 13 | 0 | -2 | -2 | --- | --- | --- | --- |
| 93 | 87 | 84 | -3 | -3.8 | --- | --- | --- |
| 189 | 190 | 185 | -5 | -2.8 | --- | --- | --- |
| 398 | 415 | 404 | -11 | -2.6 | --- | --- | --- |
| Mean Absolute Errors: | | | 5 | 3.07 | | NA | NA |

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

COMMENT: O3 line loss at 428 ppb is 2 %

Station does not have chart recorder as backup system.

Results are "AS FOUND". No changes or adjustments made.

| **LINEAR REGRESSIONS** | Primary | Backup |
|---|---|---|
| Slope, m: | 0.9787 | NA |
| Intercept, b: | -1.660 | NA |
| Corr.,r: | 1.0000 | NA |

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

| | Primary | Backup |
|---|---|---|
| Pass/Fail: | PASS | NA |

# OZONE MULTIPOINT CALIBRATION REPORT

Station: PALMDALE  Date: 8/17/95  Tech: R.HILLESTAD

## **** STATION OZONE ANALYZER ****

Begin: 1212 PST  Make: DASIBI  SN#: 1813
End: 1356 PST  Model: 1003 AH  Range: 0-500 ppb

Span#: 57.850  Samp.Freq.(40-48 kHz): 37.734
Offset#: 4  Cont.Freq.(21-28 kHz): 21.173

## **** OZONE TRANSFER STANDARD ****

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

Cert. Date: 6-21-95  Samp.Freq.(40-48 kHz): 47.051
Slope: 1.0024  Cont.Freq.(21-28 kHz): 21.173
Inter.: 0.1010  Cell Temperature, C: 42.00
Bar. Pressure, mmHg: 685.40
STP Correction Factor: 1.1123

| 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 % |
|---|---|---|---|---|---|---|---|
| 13 | 0 | 7 | 7 | --- | --- | --- | --- |
| 100 | 97 | 100 | 3 | 3.3 | --- | --- | --- |
| 178 | 184 | 186 | 2 | 0.8 | --- | --- | --- |
| 382 | 411 | 412 | 1 | 0.1 | --- | --- | --- |
| Mean Absolute Errors: | | | 3 | 1.40 | | NA | NA |

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

COMMENT: O3 line loss at 417 ppb is 2.0 %

Station does not have chart recorder as backup system.

This multipoint is "as found" with a low sample frequency. The lamp was adjusted giving a sample frequency of 41.496 and control frequency of 22.394. An "as left" Zero/Span results are: Zero=7, Span of 429=426 ppb (-0.7 % error). No significant change.

| | **LINEAR REGRESSIONS** Primary | Backup |
|---|---|---|
| Slope, m: | 0.9854 | NA |
| Intercept, b: | 5.609 | NA |
| Corr.,r: | 1.0000 | NA |

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

| | Primary | Backup |
|---|---|---|
| Pass/Fail: | PASS | NA |

# OZONE MULTIPOINT CALIBRATION REPORT

Station: QUARTZITE  Date: 8/10/95  Tech: R.HILLESTAD

## **** STATION OZONE ANALYZER ****

Begin: 0920 PST  Make: DASIBI  SN#: 2052
End: 1110 PST  Model: 1003 AH  Range: 0-500 ppb

Span#: 61.550  Samp.Freq.(40-48 kHz): 39.497
Offset#: 4  Cont.Freq.(21-28 kHz): 22.188

## **** OZONE TRANSFER STANDARD ****

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

Cert. Date: 6-21-95  Samp.Freq.(40-48 kHz): 46.704
Slope: 1.0024  Cont.Freq.(21-28 kHz): 23.443
Inter.: 0.1010  Cell Temperature, C: 44.00
Bar. Pressure, mmHg: 643.30
STP Correction Factor: 1.1926

| 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 % |
|---|---|---|---|---|---|---|---|
| 14 | 0 | 1 | 1 | --- | --- | --- | --- |
| 86 | 87 | 91 | 4 | 4.7 | --- | --- | --- |
| 173 | 191 | 193 | 2 | 1.3 | --- | --- | --- |
| 360 | 414 | 410 | -4 | -1.0 | --- | --- | --- |
| Mean Absolute Errors: | | | 3 | 2.33 | | NA | NA |

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

COMMENT: O3 line loss at 423 ppb is 1.8 %

Station does not have chart recorder as backup system.

This multipoint is "as found". The sample frequency was low, but useable. Adjusting the lamp brought the sample frequency to 44.957 and control frequency to 23.949. Results of a Zero/Span "as left" are: Zero=4, Span of 411 =397 (-3.4 % error). Insignificant change.

---

| **LINEAR REGRESSIONS** | Primary | Backup |
|---|---|---|
| Slope, m: | 0.9846 | NA |
| Intercept, b: | 3.470 | NA |
| Corr.,r: | 0.9999 | NA |

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

| | Primary | Backup |
|---|---|---|
| Pass/Fail: | PASS | NA |

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# OZONE MULTIPOINT CALIBRATION REPORT

Station: SHADOW MTN  Date: 8/10/95  Tech: R.HILLESTAD

## **** STATION OZONE ANALYZER ****

Begin: 1531 PST  Make: DASIBI  SN#: 1836
End: 1725 PST  Model: 1003 AH  Range: 0-500 ppb

Span#: 60.550  Samp.Freq.(40-48 kHz): 39.873
Offset#: 4  Cont.Freq.(21-28 kHz): 21.966

## **** OZONE TRANSFER STANDARD ****

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

Cert. Date: 6-21-95  Samp.Freq.(40-48 kHz): 42.690
Slope: 1.0024  Cont.Freq.(21-28 kHz): 21.524
Inter.: 0.1010  Cell Temperature, C: 49.00
Bar. Pressure, mmHg: 649.60
STP Correction Factor: 1.1996

| 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 % |
|---|---|---|---|---|---|---|---|
| 14 | 0 | 3 | 3 | --- | --- | --- | --- |
| 87 | 88 | 87 | -1 | -1.6 | --- | --- | --- |
| 173 | 191 | 184 | -8 | -3.9 | --- | --- | --- |
| 356 | 411 | 396 | -15 | -3.7 | --- | --- | --- |
| Mean Absolute Errors: | | | 7 | 3.07 | | NA | NA |

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

COMMENT: O3 line loss at 417 ppb is -1.2 %

Station does not have chart recorder as backup system.

This multipoint is "as found". The sample frequency was low, but useable. Adjusting the lamp resulted in sample frequency = 45.333 and Control frequency = 23.944. An "as left" Zero/Span results are: Zero=3, Span of 415 =397 ppb (-4.3 % error). Insignificant change.

| | **LINEAR REGRESSIONS** Primary | Backup |
|---|---|---|
| Slope, m: | 0.9564 | NA |
| Intercept, b: | 2.223 | NA |
| Corr.,r: | 1.0000 | NA |

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

| | Primary | Backup |
|---|---|---|
| Pass/Fail: | PASS | NA |

# APPENDIX C

## Data Quality Assurance (QA) Forms

# SURFACE MEASUREMENTS QA FORM

Date: 10/30/95

Site ID: Baldy Mesa (Ba)

Reviewer: DL

August

FROM TO

| Month/Day | Julian Date | Hour | Month/Day | Julian Date | Hour | Channel(s) | Flag | Reason |
|---|---|---|---|---|---|---|---|---|
| 8/8 | 220 | 1354 | 8/8 | 220 | 1552 | 5 | -990 | multipoint calibration |
| | 220 | 1306 | | 220 | 1348 | | | recompute average for hr 14 |
| 8/16 | 228 | 2350 | 8/17 | 229 | 0026 | 5 | -998 | Z/P/S ; recompute |
| | | | | | | | | averages for both hrs |
| 8/30 | 242 | 1904 | 8/30 | 242 | 2120 | 5 | -998 | Z/P/S |

FORMGM1

T & B Systems Inc

# SURFACE MEASUREMENTS QA FORM

Date: 10/30/95

Site ID: Boron (Bo)

Reviewer: DEL

Aug

FROM TO

| Month/Day | Julian Date | Hour | Month/Day | Julian Date | Hour | Channel(s) | Flag | Reason |
|---|---|---|---|---|---|---|---|---|
| 8/9 | 221 | 1701 | 8/9 | 221 | 2001 | 5 | -990 | multipoint calibration |
| | | | | | | | | |
| 8/18 | 230 | 1701 | 8/18 | 230 | 1801 | 5 | -998 | Z/P/S |
| | | | | | | | | |
| 8/31 | 243 | 1901 | 8/31 | 243 | 2001 | 5 | -998 | Z/P/S |

✓ NDA 11/9/95

FORMGM1

T&B Systems Inc

# SURFACE MEASUREMENTS QA FORM

Date: 11/2/95

Site ID: Catalina Is. (Ca)

Reviewer: DL

AUGUST

FROM / TO

| Month/Day | Julian Date | Hour | Month/Day | Julian Date | Hour | Channel(s) | Flag | Reason |
|---|---|---|---|---|---|---|---|---|
| 8/2 | 214 | 1048 | 8/2 | 214 | 1130 | 5-10, 12 | SC -998 | z/p/s check |
| | | | | | | | | |
| 8/7 | 219 | 1130 | 8/7 | 219 | 1336 | 5-10, 12 | SC -998 | z/p/s check |
| | | | | | | | | |
| 8/16 | 228 | 1112 | 8/16 | 228 | 1224 | 5 | SC -998 | z/p/s check |
| | 228 | 1230 | → | 228 | 1300 | 5 | | compute new average |
| | | | | | | | | |
| 1110-1315 8/23 | 235 | 1110 | 8/23 | 235 | 1401 | 5 | CA -990 | multipoint |
| | | | | | | | | |
| 1230-1300 8/30 | 242 | 1236 | 8/30 | 242 | 1401 | 5 | SC -998 | z/p/s check |
| | 242 | 1206 | → | 242 | 1230 | 5 | | compute new average |
| | | | | | | | | |
| | | | | | | | | |
| 8/2 | 214 | 1006 | | 214 | 1042 | 5-8 | | compute new averages |
| 8/2 | 214 | 1136 | | 214 | 1200 | 5-8 | | compute new averages |
| | | | | | | | | |
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FORMGM1

T&B S Tetra Tech

# SURFACE MEASUREMENTS QA FORM

Date: 10/30/95

Site ID: Flash II mtn. (f1)

Reviewer: DL

August

FROM TO

| Month/Day | Julian Date | Hour | Month/Day | Julian Date | Hour | Channel(s) | Flag | Reason |
|---|---|---|---|---|---|---|---|---|
| 8/7 | 219 | 0748 | 8/8 | 220 | 2301 | 5 | -992 | Blown Fuse |
| 8/8 | 220 | 2006 | 8/8 | 220 | 2242 | 5 | -990 | multipoint |
| | 219 | 0706 | | 219 | 0742 | 5 | | compute ave for hr 8 |
| 8/7 | 229 | 2002 | 8/7 | 229 | 2101 | 5 | -998 | 2/P/S check |
| 8/31 | 243 | 0202 | 8/31 | 243 | 0301 | 5 | -998 | 2/P/S check. |
| 8/7 | 229 | 1702 | 8/19 | 231 | 1401 | 7-10 | -992 | mount broke |

FORMGM1

T & B Systems Inc

# SURFACE MEASUREMENTS QA FORM

Date: 10/31/95

Site ID: Ludlow (lu)

Reviewer: DL

Ludlow - August

| FROM | | | TO | | | | | |
|---|---|---|---|---|---|---|---|---|
| Month/Day | Julian Date | Hour | Month/Day | Julian Date | Hour | Channel(s) | Flag | Reason |
| 8/9 | 221 | 1015 | 8/9 | 221 | 1201 | 5 | -990 | two point calibration |
| 8/18 | 230 | 1104 | 8/18 | 230 | 1201 | 5 | -998 | Z/P/S check |
| 8/31 | 243 | 0803 | 8/31 | 243 | 0901 | 5 | -998 | Z/P/S check |

MAB 11/8/95

FORMGM1

T&B Systems Inc

# SURFACE MEASUREMENTS QA FORM

Date: 10/31/95

Site ID: PALMDALE (pa)

Reviewer: DL

August

FROM TO

| Month/Day | Julian Date | Hour | Month/Day | Julian Date | Hour | Channel(s) | Flag | Reason |
|---|---|---|---|---|---|---|---|---|
| 8/14 | 226 | 0801 | 8/14 | 226 | 1406 | 5 | SF SF -99 1 | Site lost power |
| 8/14 | 226 | 1412 | 8/14 | 226 | 1500 | 5 | — | Computs average |
| 8/17 | 229 | 1206 | 8/17 | 229 | 1401 | 5 | CA -990 | multipoint |
| | | | | | | | | |
| 8/20 | 232 | 1301 | 8/20 | 232 | 1401 | 5 | SC -998 | 2/P/S |

FORMGM1

T & B Systems Inc

# SURFACE MEASUREMENTS QA FORM

Date: 11/2/95

Site ID: Quartzite (qu)

Reviewer:

August

| FROM | | | TO | | | | | |
|---|---|---|---|---|---|---|---|---|
| Month/Day | Julian Date | Hour | Month/Day | Julian Date | Hour | Channel(s) | Flag | Reason |
| 8/10 | 222 | 0901 | 8/10 | 222 | 1206 | 5 | CA -990 | multipoint |
| | 222 | 1118 | | 222 | 1200 | 5 | — | compute new average |
| | | | | | | | | |
| 8/20 | 232 | 0901 | 8/20 | 232 | 1001 | 5 | SC -998 | 2/P/? bank |

FORMGM1

T&B S temp Inc

# SURFACE MEASUREMENTS QA FORM

Date: 11/2/95
Site ID: Shadow mtn. (Sh)
Reviewer: DEL

Aug

FROM TO

| Month/Day | Julian Date | Hour | Month/Day | Julian Date | Hour | Channel(s) | Flag | Reason |
|---|---|---|---|---|---|---|---|---|
| check 8/10 | 222 | 1537 | 8/10 | 222 | 1725 | 5 | CA -990 | multipoint |
| | 222 | 1506 | | 222 | 1600 | 5 | — | compute new average |
| | 222 | 1730 | | 222 | 1800 | 5 | — | compute new average |
| 8/19 | 231 | 1817 | 8/19 | 231 | 1901 | 5 | SC -998 | Z/P/S check |
| 8/20 | 232 | 0936 | 8/20 | 232 | 0936 | 5 | -992 | remove spike |
| | | | | | | | | recompute ave. without that point |
| 8/31 | 243 | 2319 | 9/1 | 244 | 0009 | 5 | SC -998 | Z/P/S check |

FORMGM1

T & B Systems Inc

CARB LIBRARY
13192