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MAUNA LOA CARBON DIOXIDE PROJECT*

REPORT NO. 4

AUGUST 1, 1971

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A Summary of Reference Gas Analyses with Infrared Analyzer
APC No. 58 at Mauna Loa Observatory from June 1964 through
December 1970 together with Analyses of Atmospheric Carbon
Dioxide from June 1964 through December 1970

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Document

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I. Introduction

The program to observe the concentration of carbon dioxide in the atmosphere at Mauna Loa Observatory, Hawaii with a non-dispersive infrared gas analyzer is now in its fourteenth year of operation. This document reports the results of this program for the period beginning with June 1, 1964 and ending on December 31, 1970. Earlier results are covered in three previous reports.⁽¹⁾ The experimental method of computing the daily average carbon dioxide concentrations from data obtained from the original strip chart records has been described by Pales and Keeling.⁽²⁾ The data and results of computations are assembled in tables which follow this text.

In previous reports (Mauna Loa Carbon Dioxide Project Research Reports 1 through 3⁽¹⁾) it has been noted that corrections applied to account for barometric pressure variations influence the resulting calculations by at most a few hundredths of a part per million by volume (ppm) of CO₂ concentration. Therefore, these corrections have not been applied to the data tabulated in this report.

The first group of tables (Tables 1 through 7) present all of the original measurements used to calibrate Infrared Analyzer No. 58 at Mauna Loa Observatory along with the computed quantities based on these measurements. In these tables "Index Values" linearly related to concentration are reported. These have been calculated from observed differences in ordinate values (called "scale differences") of strip chart

pen traces produced by the recorder associated with the infrared analyzer. These calculations were performed with the aid of the CDC 3600 computer at the University of California, San Diego, Computer Center. At the time of the writing of this report the programming for these computations was still under development, and not all of the tables were obtained in the form of line printer output.

The remainder of the tables report data related to air measurements: in Table 8 computed daily average concentrations, in Table 9 the monthly average concentration derived from the daily averages, and in Table 10 12-month moving averages of the monthly values. Tables 11 through 13 report comparisons of air data taken with the continuous analyzer at Mauna Loa with data obtained from flask samples subsequently analyzed at Scripps. Again, the CDC 3600 computer maintained by the UCSD Computer Center was utilized in performing these calculations.

Data reported in Mauna Loa Carbon Dioxide Project Research Report 3 for the year 1963 were provisional because some of the calibrating gases were still in use at Mauna Loa at the time the report was being written and had not yet received their final calibrations at Scripps. The final index values subsequently assigned to these reference gases differed from the provisional values by 0.01 ppm or less in every case, and the data reported in Mauna Loa Report 3 differ by 0.01 ppm or less from their final values.

Data in this report prior to August 7, 1970 are final values. Some of the data reported in Tables 1 and 2 from August 7 through September

18, 1970 are provisional since they were calculated from a provisional index value assigned to one of the principal reference gases in use at Mauna Loa. These data differ from their final values by no more than 0.02 ppm. Values obtained after September 18 are provisional because the final values of the CO₂ concentrations of the reference gases in use since then have not yet been assigned. The final values are expected to differ by no more than 0.1 ppm from those tabulated here.

II. Reference Gas Comparisons - Table 1

This table is a chronological listing of the scale differences, which served to calibrate the gas analyzer, along with their conversion into index values. Calibration was accomplished by repeatedly comparing pairs of specially prepared mixtures of CO₂ in nitrogen. These mixtures (called "reference gases") are stored in large stainless steel cylinders, called "tanks". Comparisons were obtained by alternately passing one of the pair and then the other through the sample cell of the analyzer. Each gas was allowed to flow through the instrument for four minutes at the same flow rate used in the air measurements (normally 0.5 liters per minute). As soon as a series of comparisons (normally ten) was completed, one or both tanks were replaced and the process repeated until all scheduled comparisons were made. The scale difference for each individual comparison was read with a straight edge scale at the point in time at which the trace registered the abrupt change from one reference gas to the other.

The succession of individual scale differences was entered on a

Reference Gas Data Sheet, along with essential related observations. The average scale difference for each set of comparisons between pairs of tanks was computed and entered on the same data sheet, a specimen of which is shown in Figure 1.

These calibration measurements served to determine the analyzer sensitivity, and to establish the index values of the reference gases (called "working reference tanks") with which air was compared. To determine the instrument sensitivity, a "field high span" and a "field primary" reference gas are used. A "field primary low span" was used as an alternate of the high span tank, but the data were unsatisfactory because the instrument did not have a linear response relative to the Scripps index scale over such a large range of concentration. The low span data, which essentially serve only as a check on instrument linearity, are included in this report, in Table 1 only. A "field surveillance" reference gas is used as a check on the long term drift of the Mauna Loa reference gas system. The index values of the principal reference gases (all above mentioned classes except working tanks) were well determined at Scripps both prior to and after use in the field.

Figure 2 illustrates schematically the general system of reference gas intercomparisons at Mauna Loa Observatory during the period of this report. The index values for the air and working tanks are obtained essentially by interpolation or extrapolation from previous assigned index values of the principal reference gases. The analyzer sensitivity, in terms of a "recorder scale factor", is determined by directly comparing

STATION MAUNA LOA OBSERVATORY Freezer Temp. -49°FCARBON DIOXIDE REFERENCE TANK TEST Freezing Unit Defrosted 9 Hours AgoSheet No. 293DATE 7/11/67OBSERVER B.C.P.

	$I_0 I_{HS}$	Scale Diff. ($I_{HS} - I_0$)	$I_0 II$	Scale Diff. ($II - I_0$)	$I_{HS} II$	Scale Diff. ($II - I_{HS}$)	$I_{LS} II$	Scale Diff. ($II - I_{LS}$)	$II W_n$	Scale Diff. ($W - II$)
Tank No.	11085 3751	+27.2	11085 6078	-6.5	3751 6078	-33.6	6074 6078	+17.7	6078 11083	+14.4
Tank Press. (PSI)	1140 1490	+27.2	1130 1210	-6.4	1480 1200	-34.0	1230 1190	+17.9	1190 410	+14.3
Flow Rate (LPM)	0.5	+27.3	0.5	-6.4	0.5	-33.8	0.5	+17.7	0.5	+14.2
Zero Setting	520	+27.2	520	-6.6	520	-33.8	520	+17.4	520	+14.1
Span Setting	485	+27.3	485	-6.6	485	-34.2	485	+17.2	485	+13.9
Time Test Began	1810	+26.8	1925	-6.7	2045	-33.9	2200	+17.0	2310	+13.9
Time Test Ended	1925	+26.9	2045	-6.8	2200	-33.6	2310	+17.3	0035	+14.0
No. of Scale		+27.1		-7.0		-33.8		+17.1		+14.2
Diff's Recorded	10	+27.4	10	-6.6	10	-33.9	10	+17.4	10	+14.2
Average Scale Diff. ⁺		+27.0		-6.5		-34.0		+17.6		+14.3
		+27.14		-6.61		-33.86		+17.43		+14.15

⁺ Record Individual Diff's to 0.1 deci-inches

· Compute Average to 0.01 deci-inches

Figure 1. Example of a Reference Gas Data Sheet.

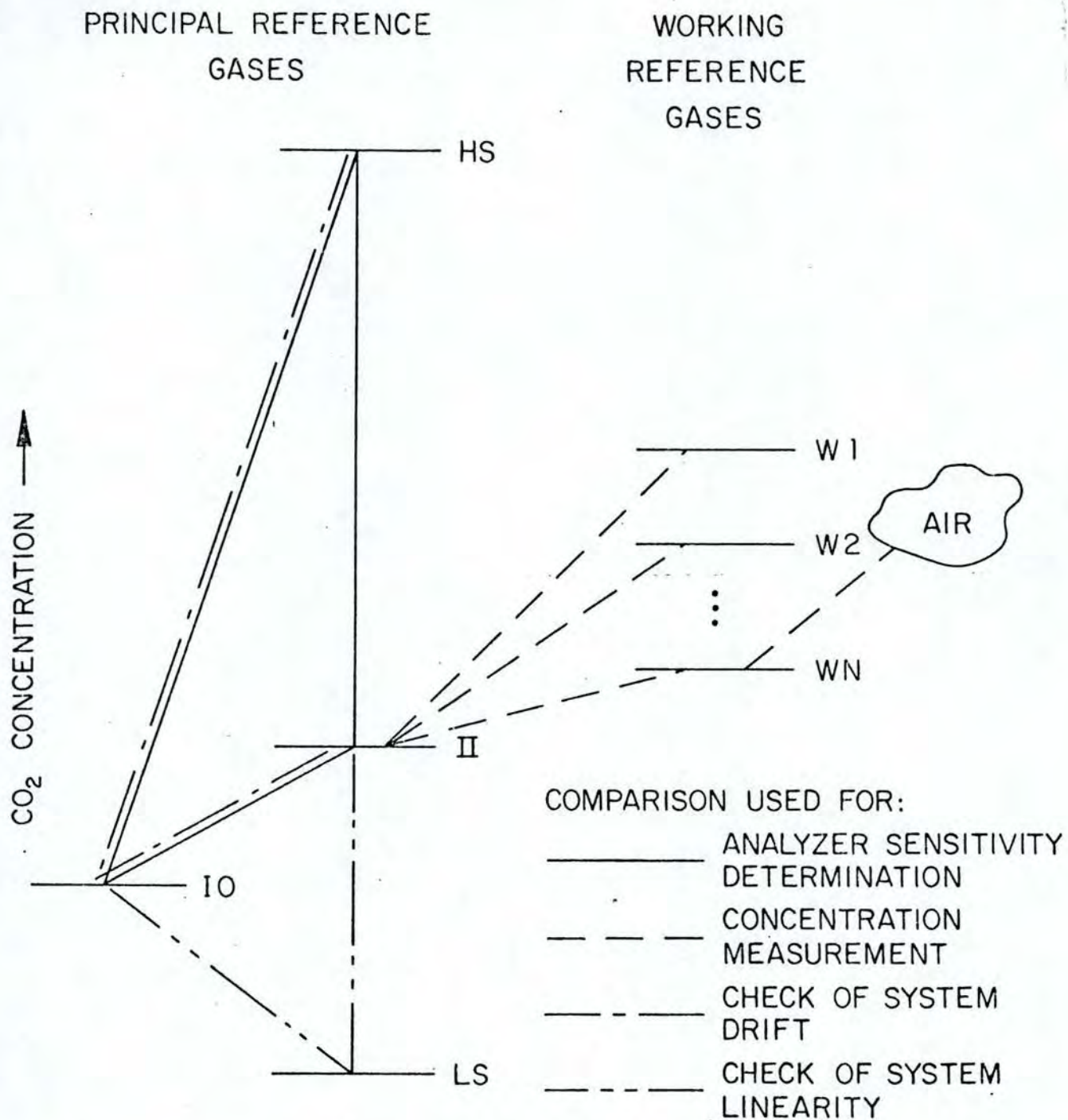


Figure 2. Schema for the reference gas system in use at Mauna Loa Observatory from 1964 through 1970.

the field primary with the high span (solid line HS-II) and, on certain days, indirectly using the surveillance tank as a transfer (solid lines HS-IO plus IO-II). On certain other days the sensitivity was established by comparing the surveillance tank only with the high span (solid line HS-IO). This recorder scale factor is then applied in determining the index of the working tanks and, after suitable period averaging, the concentration of CO₂ in the atmosphere.

In this report Table 1 has been prepared by a series of FORTRAN computer programs which use as basic input the data tabulated on the Reference Gas Data Sheets together with data obtained at Scripps on the principal reference gases. Each tank is identified by a 4 or 5 digit number (permanently stamped in the side of the cylinder) which is listed in columns 1 or 2. Column 1 lists the number of the (higher ranking) standard tank, and column 2 lists the number of the tank which is compared with it. The average observed scale difference for each pair is listed in column 3. A positive number indicates that the compared tank has a higher scale reading and consequently a higher CO₂ concentration than the standard. Column 4 lists the number of individual comparisons which were made with the pair.

The index values of the compared tank is computed from the expression:

$$[CT]_I = R \cdot d + [ST]_I \quad (II-1)$$

where $[CT]_I$ is the index value of the compared tank, $[ST]_I$ is the index value of the standard tank, R is the weighted average recorder scale

factor for the day (as obtained from column 7 of Table 2 and transcribed in column 5 of Table 1), and d is the observed average scale difference from column 3. These computed index values are listed in column 6. The number of the Reference Gas Data Sheet on which the original observations are to be found and the date of analysis are entered in columns 7 and 8 respectively.

The index values of the standard tanks, used in computing the compared tank index and in determining the recorder scale factor were taken from Table 5, and were derived solely from measurements performed at Scripps. The procedures for determining these values are described in Carbon Dioxide Project Reference Gas Research Reports I through VIII.⁽³⁾ Surveillance tank number 18208, which was in use from August 7, 1970 through the end of this report, was assigned a provisional value of 309.62 ppm for the calculations in Tables 1 and 2. This differs by 0.01 ppm from the final value recorded in Table 5 for this tank, and this will effect final values of computed indices for this period by no more than this amount.

III. Recorder Scale Factors - Table 2

Definition

The recorder scale factor (RSF) is defined as the index difference between two primary reference gases divided by the number of scale divisions between the recorder chart traces of the two gases. With this definition the RSF is inversely proportional to the analyzer sensitivity (scale divisions/ ppm) and to the RSF used in previous Mauna Loa reports.

Calibrations Involving Only Two Principal Reference Gases

On approximately half of the calibrating days, to save effort and reference gas, only two principal references were compared for the purpose of calibrating the analyzer. For these days the RSF was established from the observed scale difference resulting from the comparison of the high span tank with either the field surveillance tank or with the field primary tank. All data in columns 1 through 4, of Table 2 except for the last value in column 4 for each day, are copied from Table 1.

Standard Computation For Three Mutually Compared Tanks - ("Tank Triangle")

On all other calibration days, three tanks are mutually compared.

The standard presentation of computation is as follows:

<u>Standard Tank No.</u>	<u>Compared Tank No.</u>	<u>Observed Scale Difference</u>	<u>No. of Comparisons</u>
HS	IO	$[IO] - [HS]$	a
II	IO	$[IO] - [II]$	b
II	HS	$[Y]^*$	(a or b)*

where: HS = high span
IO = surveillance
II = primary

and where:

$$[Y]^* = ([IO] - [II]) - ([IO] - [HS]) = ([HS] - [II])^*$$

The square brackets indicate recorder scale divisions and the asterisk indicates that the quantity is calculated rather than directly measured. The number of comparisons assumed to contribute as a statistical weight

to the derived value, $[Y]^*$, is the smaller of a or b. The data for the direct comparison of II and IO are listed outside and immediately below a box outlining the derived calculation.

For any calibration date, all data in the first four columns of Table 2 are copied directly from the corresponding columns of Table 1, except for the values with asterisks and the last entry in column 4.

Index Differences

The index differences listed in column 5 are obtained from the index values in Table 5 column 12.

Weighted Average Recorder Scale Factors

Column 6 lists the recorder scale factors calculated as the quotient of the index difference in column 5 divided by the observed scale difference in column 3. On days when three tanks are mutually compared, the RSF is calculated both from the indirect values marked with an asterisk and from the direct comparisons. Column 7 lists the weighted average RSF for each calibration day giving the same statistical weight to each individual direct comparison and each pair of indirect comparisons. The effective total number of comparisons, is listed in column 4. The weighted averages RSF's are the basis for all further computations (except for an oversight described in the next section). They are copied in column 5 of Table 1 and used in determining reference gas index values as indicated by equation (II-1).

IV. Summary of Recorder Scale Factors - Table 3

In order to determine a succession of RSF's for use with air concentration measurements, including days in which no calibrations were carried out, the time interval covered by this report was divided into eighteen periods. For each of these periods a linear variation in the instrument sensitivity with time (defined as the inverse of the RSF) was assumed and the parameters of the line which best fit the data from column 6 of Table 2 was obtained from a least squares analysis by digital computer. In applying the method of least squares, each value from column 6 was weighted by the effective total number of comparisons as listed in column 4. This weighting was an unintentional oversight introduced by the programmer; an unweighted least squares using the values listed in column 7 would have yielded a statistically better representation of the long term trend. Since, however, the daily weighting alternates in a regular manner it didn't seem worth while to correct the program when the oversight was discovered.

The parameters of the best fitting line are listed in columns 4, 5 and 6 of Table 3. The RSF in $(\text{ppm}) \cdot (\text{scale div})^{-1}$ is related to these parameters by the equation:

$$\text{RSF} = [(t - t_0)K + S_0]^{-1}. \quad (\text{IV-1})$$

Where K denotes the rate of change of the sensitivity, in $(\text{scale div.}) (\text{ppm})^{-1} (\text{day})^{-1}$, and S_0 is the sensitivity at the start of the interval in $(\text{scale div.}) (\text{ppm})^{-1}$. The elapsed time in days is denoted by t;

with $t = 1$ for January 1, 1958; and the initial date of the interval by t_0 , also referred to the same starting date.

Figures 3 and 4 illustrate the behavior of the RSF during the eighteen separate periods of this report. The chronology is next discussed.

On January 21, 1964 the instrument was shut-down and shortly afterward removed from the Mountain Observatory to a repair shop in Hilo. After considerable delay it was repaired and reinstalled in the field. The first useful new data were obtained on June 1, 1964. The first period begins on this date and ends on September 18, 1964 when bulldozer operations at the observatory interfered with the sampling lines and caused the operation to be shut down. The last calibration date during period 1 was on the 13th of September; five days prior to the end of the interval. The analyzer remained off through the 22nd of September owing to these construction operations. The second period, September 23 to 26, 1964 ends when the analyzer was again shut down, this time because of instrumental troubles. On September 30, 1964, the start of period 3, a new amplifier was installed and the analyzer ran continuously until October 22, 1964 when it was again shut down for repairs. On the next day, October 23, 1964, the detector signal leads were found accidentally interchanged and this fault corrected. Abnormally low sensitivity during periods 2 and 3 is attributed to the signal lead reversal which evidently occurred between periods 1 and 2. Period 4 covers only two days, ending on the 25th of October, 1964 when the analyzer was shut down for maintenance

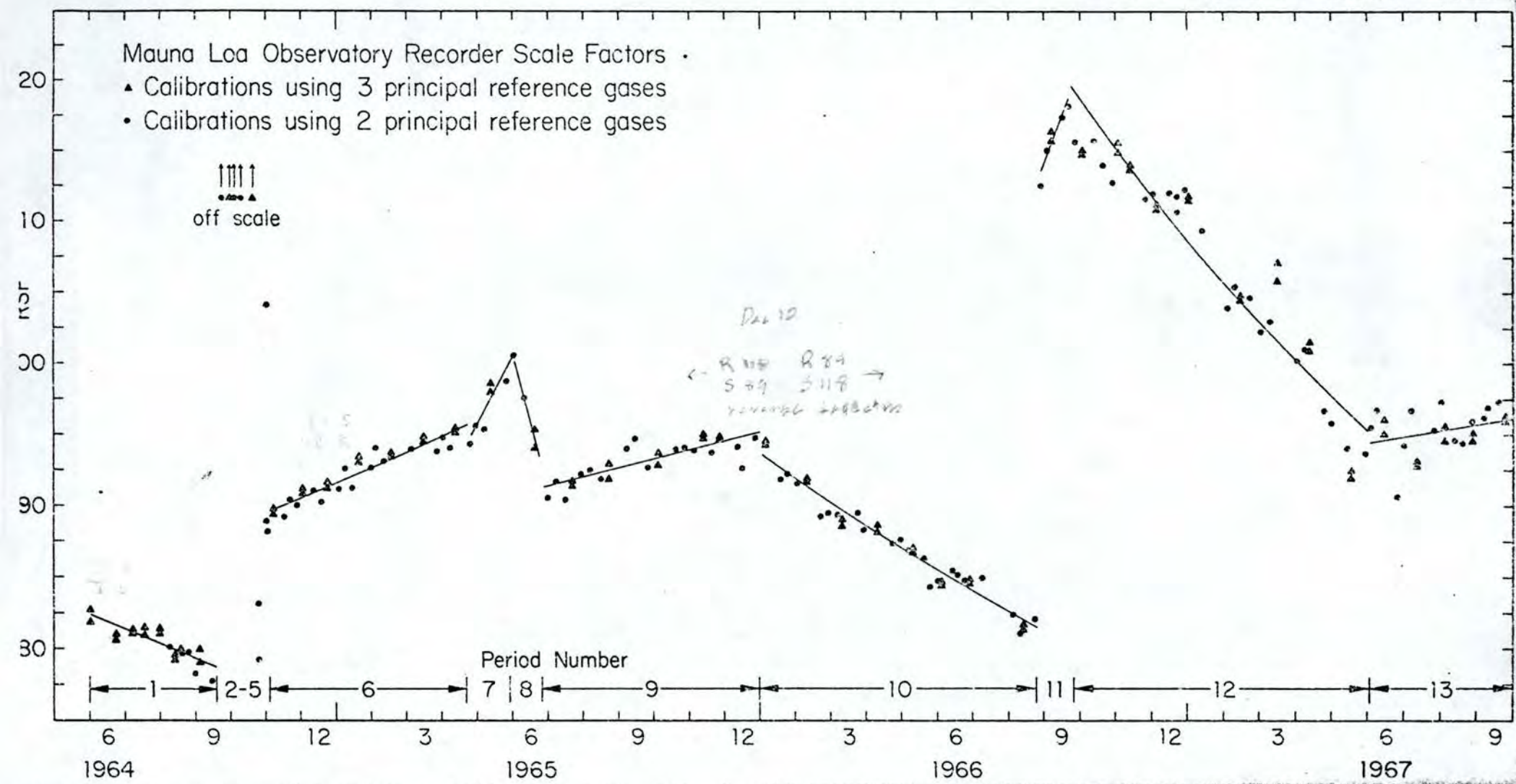


Figure 3. Trend in the recorder scale factor at Mauna Loa Observatory from June 1964 through September, 1967.

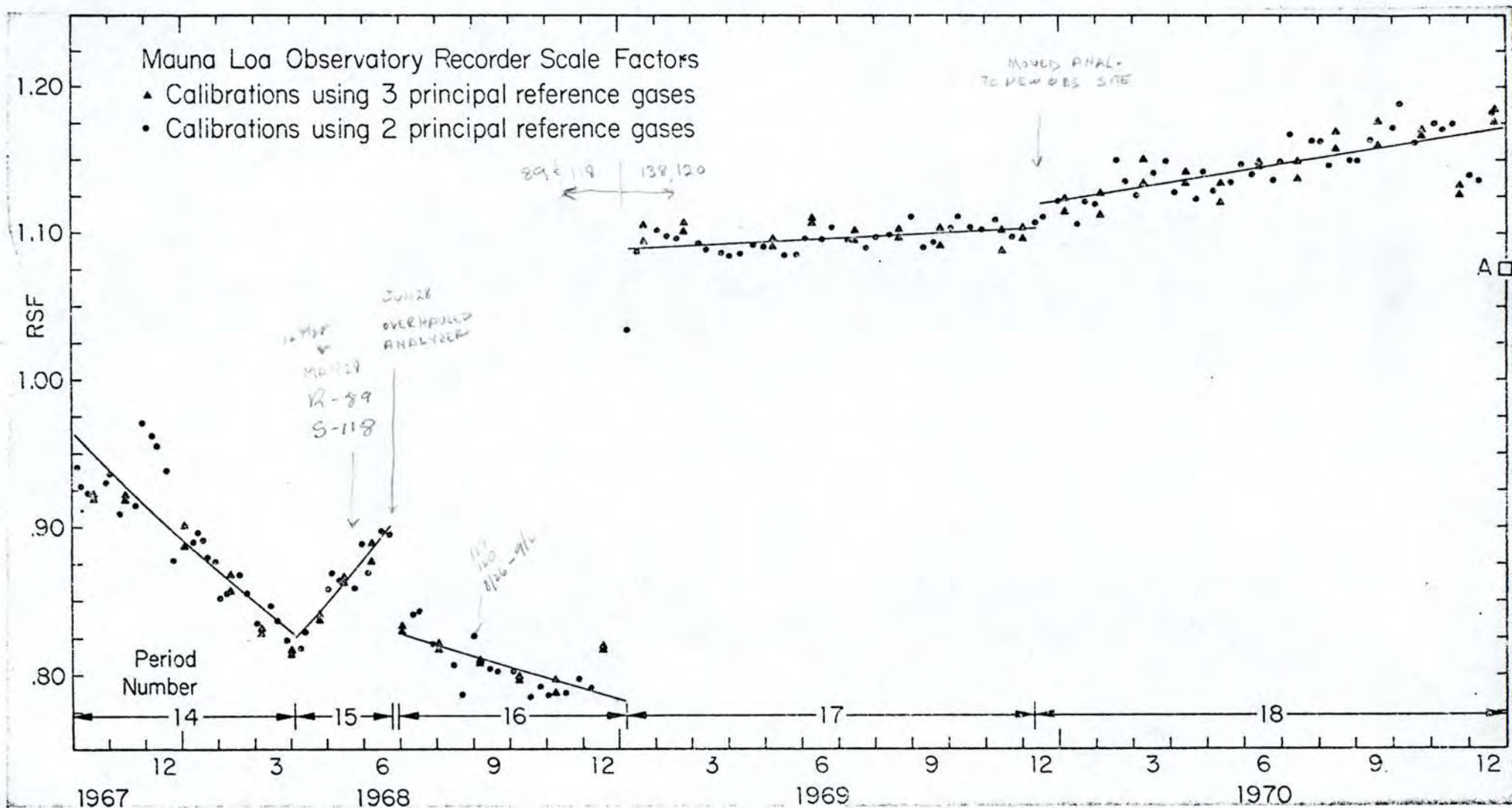


Figure 4. Trend in the recorder scale factor at Mauna Loa Observatory from October, 1964 through December, 1970.

until the 29th of October, 1964. Period 5 is a short interval ending the next day. Thus, a total of four periods are defined to cover the interval between September 23, and October 30 during which the instrument was repeatedly under repair. These periods were so short that a constant value of the RSF is adequate to represent each.

Period 6, October 31, 1964 to April 23, 1965, terminated on a calibration day, for which inspection of the RSF plot (Figure 3) indicates a change in analyzer sensitivity drift. Periods 7, 8 and 9, April 23 through May 31, 1965; June 1 through 24, 1965; June 25 through December 31, 1965 were also all selected by inspection of the drift characteristics of the instrument sensitivity indicated by the RSF plot. Period 10, January 1 through August 25, 1966 ended when the polarizing voltage on the analyzer sample detector was changed.

Period 11, August 16 to September 20, 1966; period 12, September 21, 1966 through May 31, 1967 period 13, from June 1, through September 30, 1967; and period 14, October 1, 1967 through April 3, 1968, all had their termination dates chosen by inspecting the RSF plots. Period 15, which began on April 4, 1968, was terminated on June 23, 1968 because the analyzer was shut down for overhaul. Operation resumed with the start of period 16 on June 28, 1968 and ended on January 6, 1969, owing to another major change in the analyzer electronics.

Period 17 begins on January 7, 1969 and nine days from the beginning of this interval, on January 16, the analyzer detectors were changed but since the RSF plot indicated no apparent change in the analyzer

sensitivity, no new period was started. The period is terminated on December 13, 1969, because inspection of the RSF plots indicates a shift in instrument sensitivity. The final, 18th, period begins on December 14, 1969 and is ended arbitrarily with the final date of this report; December 31, 1971.

During this last interval, the RSF determined on December 29, 1970 was omitted from the calculation of the best fitting straight line. This RSF, boxed and labeled 'A' on Figure 4, is anomalously low. The calibration was made immediately after an electrical power failure, probably before the instrument had time to warm up.

V. Index Values of The Field Surveillance Tanks - Table 4a

The index values of the succession of field surveillance tanks have been assembled in this table in column 6. The entries in columns 1, 2, 3, 4 and 7 have been reproduced from columns 1, 2, 4, 6 and 8 of Table 1. Column 6 also lists separate weighted average index values derived from comparisons for each different primary and high span reference gas and for each pair in use at a given time.

Two sets of values, indicated in the complete tabulation with asterisks, have been omitted from these averages. The first set were determined during the period in 1964 when the analyzer detector microphone cables were reversed. The second set relate to the beginning of period 17 in 1969 when again the analyzer was malfunctioning.

One other anomalous value has been omitted altogether from Table 4a to avoid confusion. On January 27, 1968 tank number 7344 was treated

as the primary and tank number 3756 was treated as the surveillance tank. On all the calibration days that followed, tank 3756 was used as the primary reference gas and tank number 7344 was treated as the surveillance reference.

VI. Summary of Index Values of Field Surveillance Tanks - Table 4b

The weighted average index values of the surveillance tanks determined from each pair of principal reference gases have been reassembled with other relevant data in this table. The first and last entry for each surveillance tank copied from Table 5 give the index values measured at Scripps prior to and after use in the field. From the values listed it is seen that any systematic drift of the Mauna Loa reference gas system relative to the Scripps system has been less than 0.2 ppm during the period of this report.

Figure 5 further confirms the high stability of the Mauna Loa reference gas calibration system relative to the Scripps system during the entire period of this report. The quantity plotted here is the departure of the index value of the surveillance tank, from the index value as established at Scripps. The individual values were obtained by subtracting the weighted average index listed in column 12 of Table 5 from the index listed in column 4 of Table 4a for each comparison of the surveillance tank to the field primary. A group of circled points labeled 'A' are from the first set of index values which were omitted from the averages of Table 4a because of analyzer difficulties as discussed in section V. The two points labeled 'B' were from the second set of values

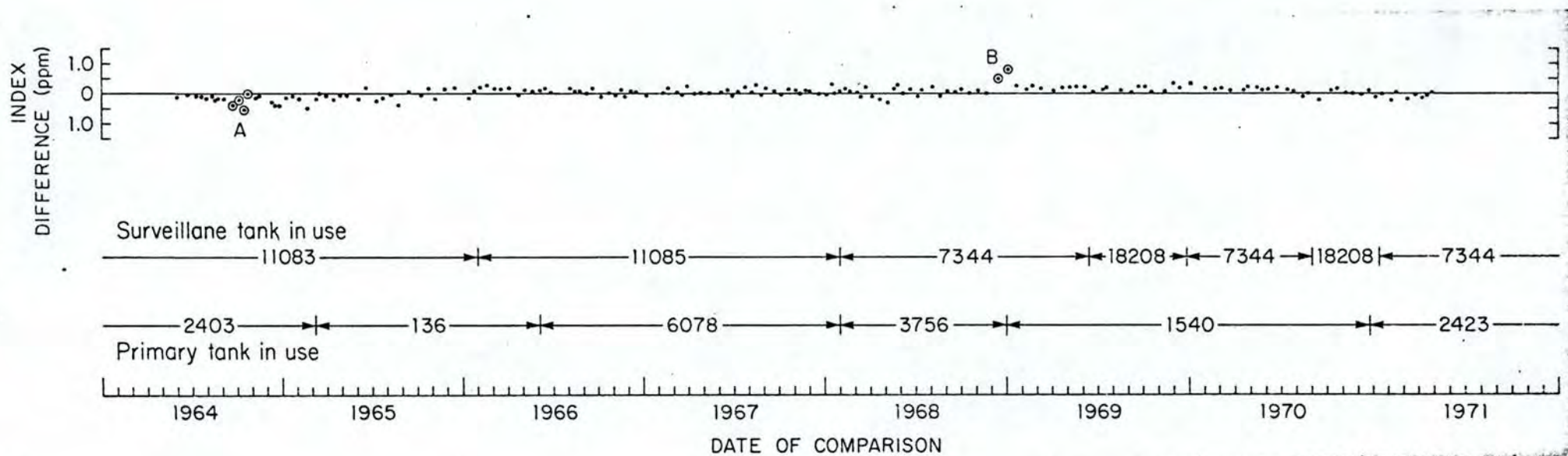


Figure 5. Plot versus time of the index difference between surveillance tank determined at Scripps and Mauna Loa Observatory.

similarly omitted. Figure 5 also provides a qualitative visual indication of the "noise level" resulting from statistical fluctuations.

VII. Scripps Index Values of All Reference Gases - Table 5

In this table are summarized the relevant index values of all principal reference gases in use at Mauna Loa during the report period. Also listed are the working reference gas index values determined at Scripps. Each tank is listed by number in column 2 and its usage is indicated symbolically in column 1 as follows:

- II Field Primary Tank (compared with all field tanks)
- HS High Span Tank (used for determining the analyzer sensitivity)
- IO Field Surveillance Tank (used as a "transfer" in determining analyzer sensitivity, and as a check on any relative drift of the Mauna Loa and Scripps reference gas systems)
- LS Low Span Tank (used for determining the analyzer linearity)
- W Working Reference Tank (compared with air)

Entries in columns 3, 4, 5, 7, 8 have been taken from Table 12D of the Scripps Research Reports 5 through 7,⁽³⁾ and from Table 6 of Scripps Research Reports 8 through 18⁽³⁾ with the appropriate report numbers listed in columns 6 and 10.

Column 12 lists the weighted average of the prefield and postfield index values tabulated in columns 4 and 8 respectively. (For three principal tanks still at Mauna Loa, the pre-field index values from column 4 are copied in column 12.) The total number of comparisons for each tank are listed in column 11.

The index values of the principal reference gases as listed in column 12 are used in the computations of Tables 1, 2, 3, 4, 6 and 7. The index values of the working reference gases as listed in column 12 were used in conjunction with values determined by comparison with the field primary tanks in calculating average index values listed in Table 7.

VIII. Index Values of Working Reference Gases Determined at Mauna Loa -
Table 6

Index values based on measurements of working tanks at Mauna Loa are assembled in this table. The entries in columns 1 through 5 have been taken from columns 1, 2, 4, 6 and 8 of Table 1 of this report with the exception of the first two listings for the first tank reported, (number 3756). These were obtained from Table 1 of Mauna Loa Carbon Dioxide Project Report No. 3. ⁽¹⁾

Weighted averages are tabulated in column 7 and the total number of comparisons with the primary reference upon which they are based are listed in column 6. The working tank number is recopied in column 8 as a reading aid.

The determination for tank number 11092 made on January 14, 1969 is in such gross disagreement with the average for this tank that the index values for this day have been omitted from the weighted average. The original recorder traces suggest that the analyzer was malfunctioning. The computed index is almost two standard deviations from the mean (computed with the data for this day included). Suppression of this index value reduces the standard deviation by over a factor of two as shown

in the following summary:

Working Tank No. 11092

Computed Index for January 14, 1969:	320.93 ppm
Wt'd Average (including January 14 data):	321.68 ppm
Standard Deviation:	0.37 ppm
Wt'd Average (without January 14 data):	321.84 ppm
Standard Deviation:	0.15 ppm

IX. Combined Scripps and Mauna Loa Index Values of Working Reference Gases - Table 7

All relevant index values for the working reference tanks in use at Mauna Loa from June, 1964 through 1970 are summarized in Table 7. Columns 1, 2 and 3 were reproduced from columns 2, 11 and 12 of Table 5. The data in columns 4 and 5 were taken from columns 6 and 7 of Table 6. Column 6 lists the difference between columns 5 and 3, and the weighted average of the index values obtained at Scripps and Mauna Loa is given in column 8 along with the number of comparisons upon which it is based in column 7. Column 9 lists the date when use of the working reference in air comparison measurements began as indicated from the first calibration reported in Table 1.

A systematic discrepancy during 1961 and 1962 in the Mauna Loa reference gas system (discussed in Mauna Loa Carbon Dioxide Project Report No. 3 and shown in figure 6 of this report) was made clearly evident by plotting the difference between the working tank index values determined at Mauna Loa and those determined at Scripps. A plot of

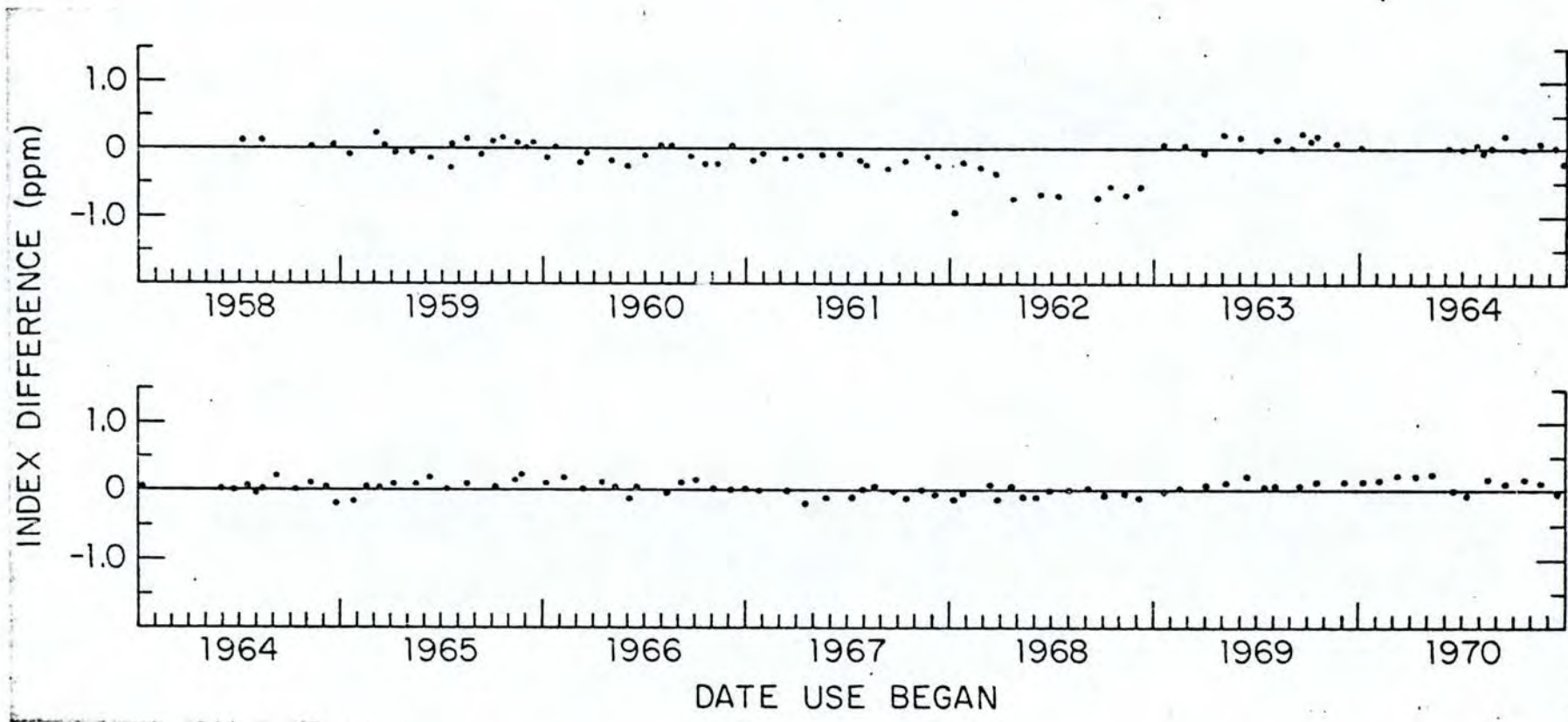


Figure 6. Comparison of Scripps and Mauna Loa Index values of working Reference Gases plotted for the median date of usage.

similar index differences taken from column 6 for the period of this report (Figure 6) shows no such discrepancy.

X. Average Daily Concentration of Carbon Dioxide in the Atmosphere -

Table 8

Average concentrations of carbon dioxide in the atmosphere for each day on which data were obtained during the period of this report are listed in Table 8. As described in Pales and Keeling,⁽²⁾ air samples were compared with working reference gases in a sequence such that one intake was sampled for 10 minutes, then another intake for 10 minutes, and then a working reference gas was sampled for 10 minutes. This sequence was then repeated to obtain separate comparisons of air with working tank gas at the rate of 4 per hour with a maximum of 96 per day. The index value of the air concentration, $[CO_2]_I$, was calculated from the formula:

$$[CO_2]_I = R \cdot d + [W]_I \quad (X-1)$$

where $[W]_I$ is the index value of the working reference gas, R is the recorder scale factor, and d is the observed scale difference for the comparison. It was established provisionally at Scripps in 1959 that the true concentration of carbon dioxide in ppm by volume, $[CO_2]$, is related to the index value scale through the linear equation:

$$[CO_2] = 1.2186 ([CO_2]_I - 311.51) + 311.51 \quad (X-2)$$

based on the calibration of reference gases by means of a precision mercury manometer. New manometric calibrations begun in 1970 and not yet completed may result in some adjustment of the index scale, but the value of the intercept (311.51 ppm) is believed to be correct to within 1 ppm and the slope (1.2186) to within 0.02. This well determined value of the slope means that the error in comparing concentrations over the range from 313 ppm to 325 ppm is less than 0.20 ppm.

Data obtained from the Mauna Loa analyzer (in the form of recorder scale differences for each comparison of air with a working reference gas) were converted to concentrations via these equations with FORTRAN programs used in conjunction with programs to compute the results in Tables 1 to 7. The individual measurements were further processed to obtain daily averages for two separate categories of observations. The first of these averages consists of all recorded data. The second average is of "steady data", obtained by averaging those portions of the record during which the concentration has been steady for 6 hours or more, and in addition, by rejecting any of these comparisons which show evidence of local contamination by virtue of short term variability in the pen traces. The selection criteria are consistent with those described in detail by Pales and Keeling [1965]⁽²⁾ for the period 1958 through 1963. A third category not reproduced here, consists of daily averages of all data except variable traces. These averages are available on a program print-out on file at Scripps.

The calendar date is listed in column 1. Column 2 lists the number of the working tank in use on this date; column 3 lists its index value, as reported in column 8 of Table 7. Column 4 lists the recorder scale factor calculated for each date from the parameters of the sensitivity line as listed in Table 3.

The time intervals during which steady data were obtained are listed in columns 5 and 6. If the working tank was changed during the day, data in columns 1 through 6 are listed separately for each tank in order to give a clear indication of the change-over.

The average concentration in air based on all data for the day is tabulated in column 7, and the associated number of individual comparisons is listed in column 8. The average concentration for steady portions of the record is listed in column 9, and the associated number of comparisons listed in column 10.

Following the last entry for each month, unweighted monthly averages are listed with a report of the number of contributing days. Each daily average was assigned equal statistical weight in calculating the averages regardless of the number of comparisons made for the day.

The daily average concentrations calculated from the steady data are plotted versus time in Figures 7 through 13 as unconnected points. As a reading aid a point appears below the main plot if no value was plotted on a given day. Shaded areas below the main plot indicate intervals during which the analyzer was shut down for 48 hours or more. Vertical lines indicate the occurrence of nocturnal bursts as described

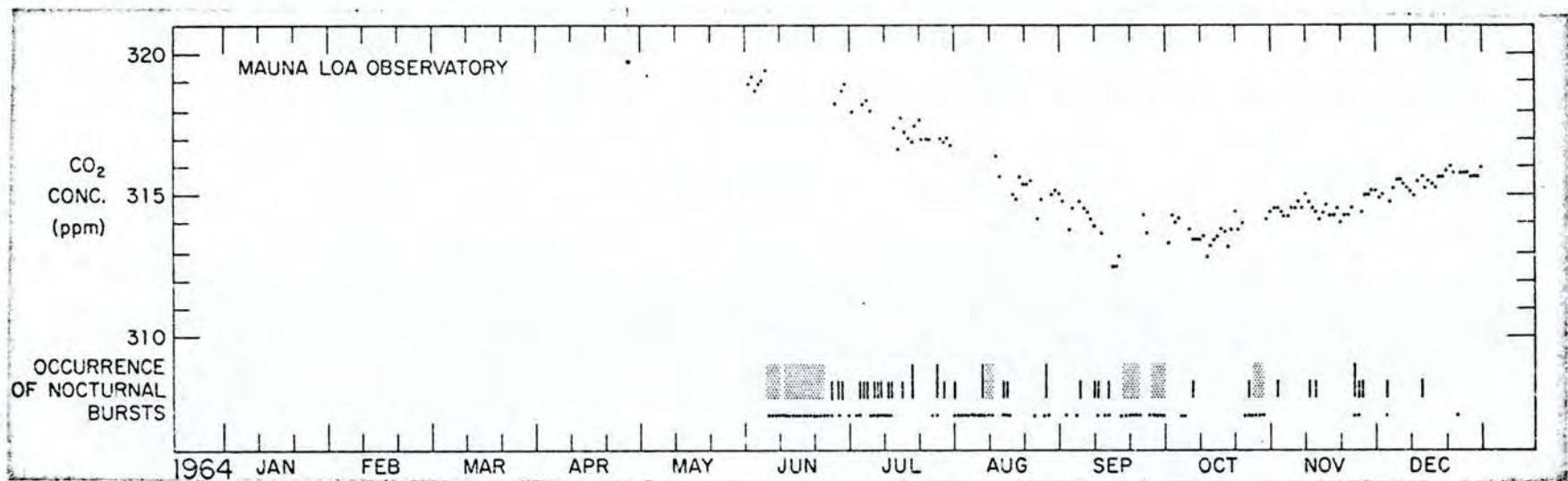


Figure 7. Daily average concentration of carbon dioxide at Mauna Loa Observatory during 1964.

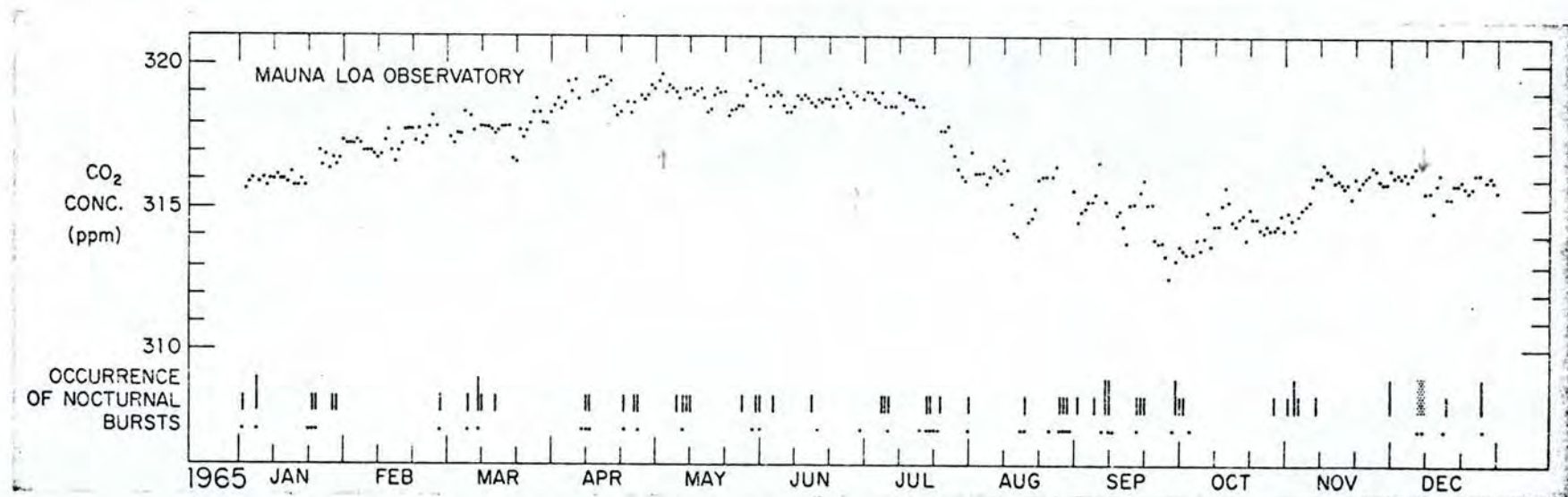


Figure 8. Daily average concentration of carbon dioxide at Mauna Loa Observatory during 1965.

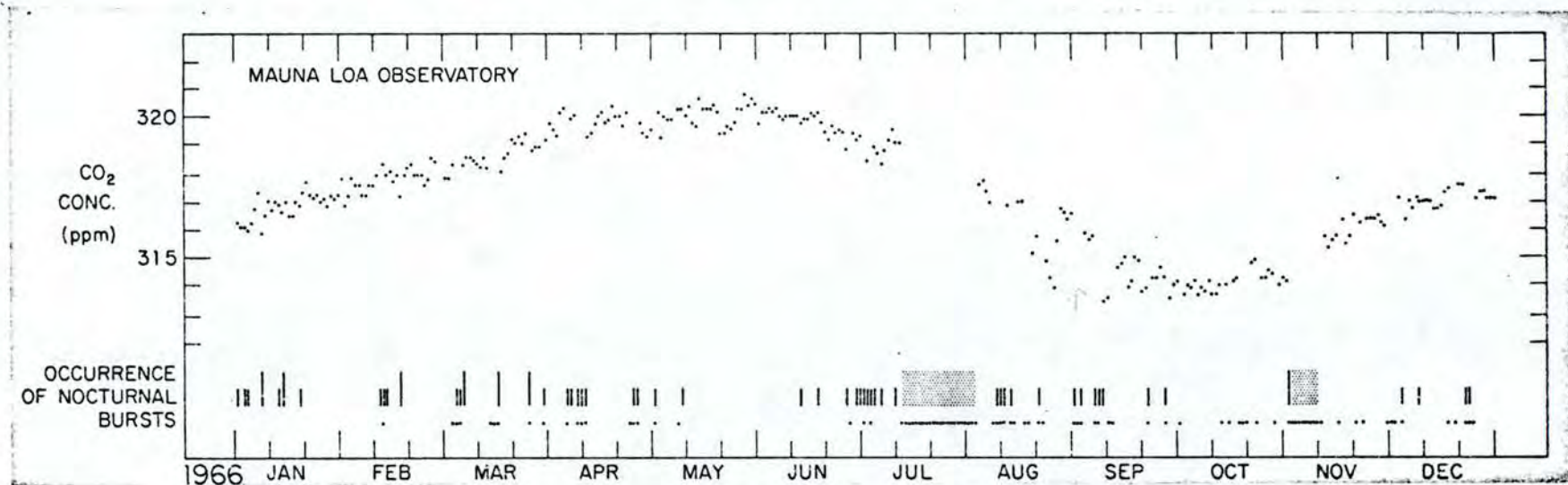


Figure 9. Daily average concentration of carbon dioxide at Mauna Loa Observatory during 1966.

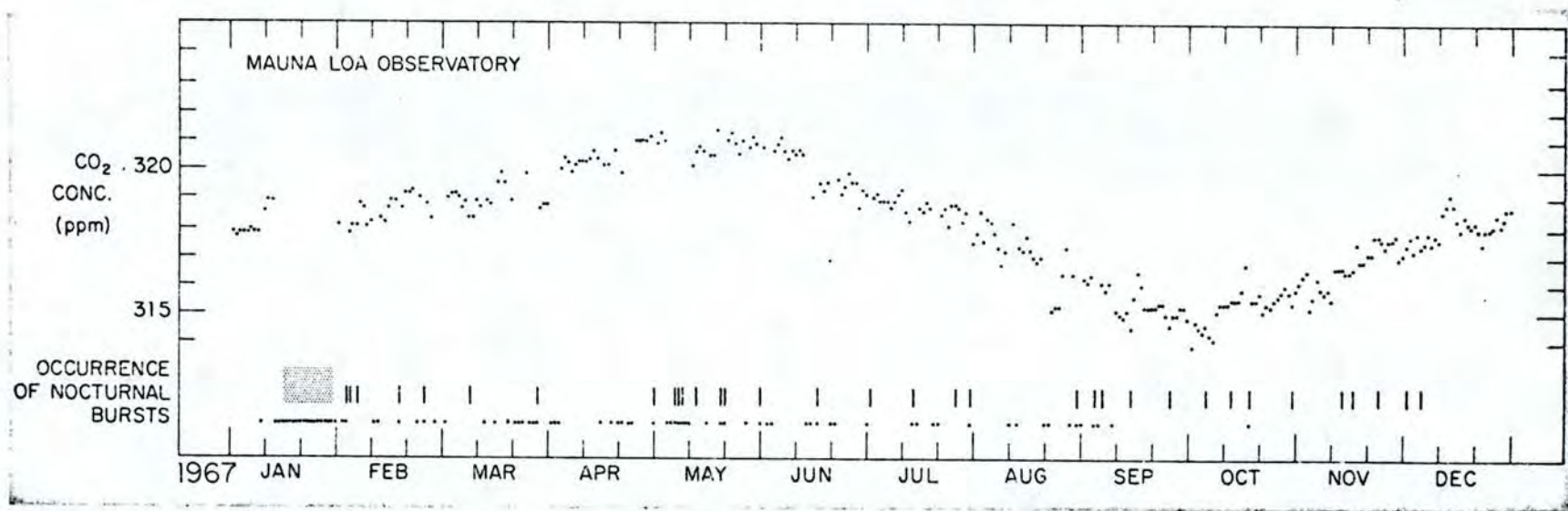


Figure 10. Daily average concentration of carbon dioxide at Mauna Loa Observatory during 1966.

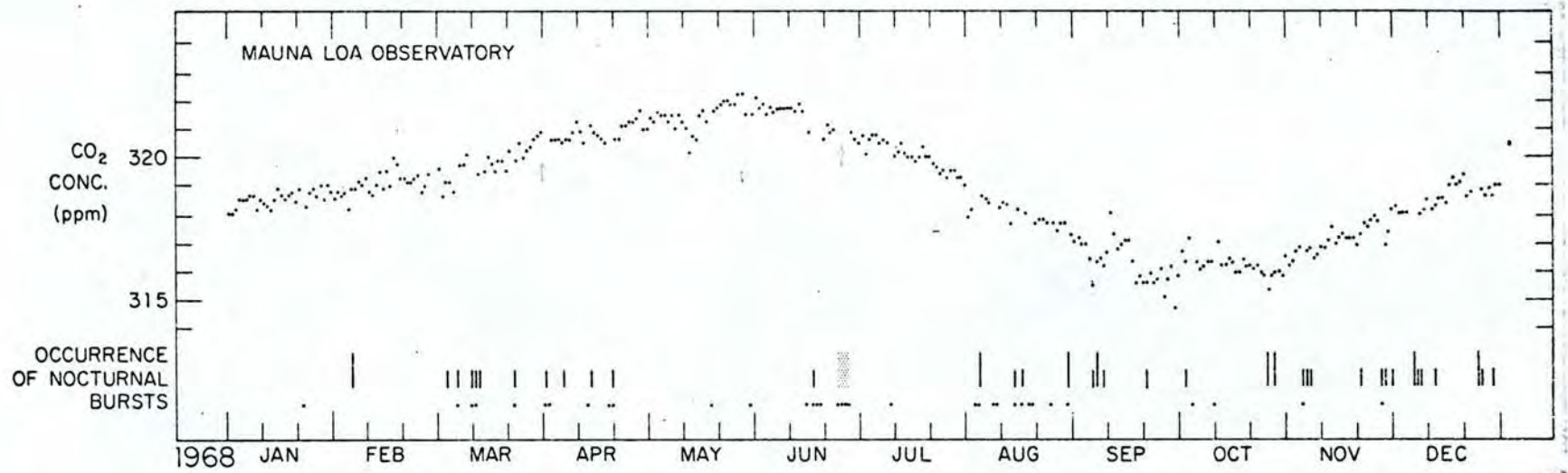


Figure 11. Daily average concentration of carbon dioxide at Mauna Loa Observatory during 1968.

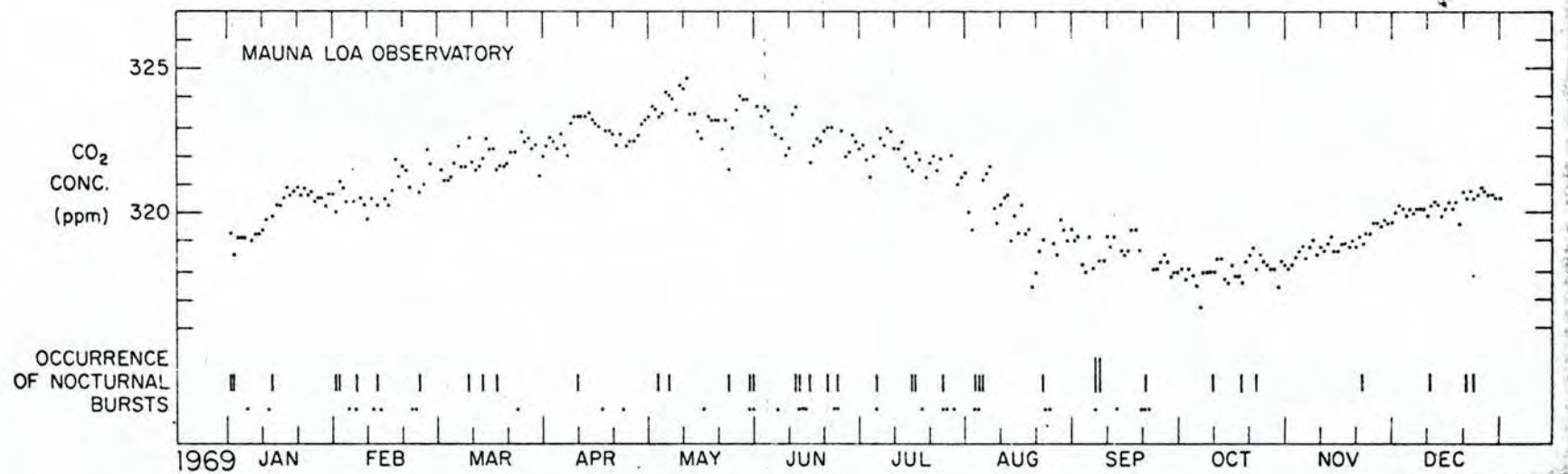


Figure 12. Daily average concentration of carbon dioxide at Mauna Loa Observatory during 1969.

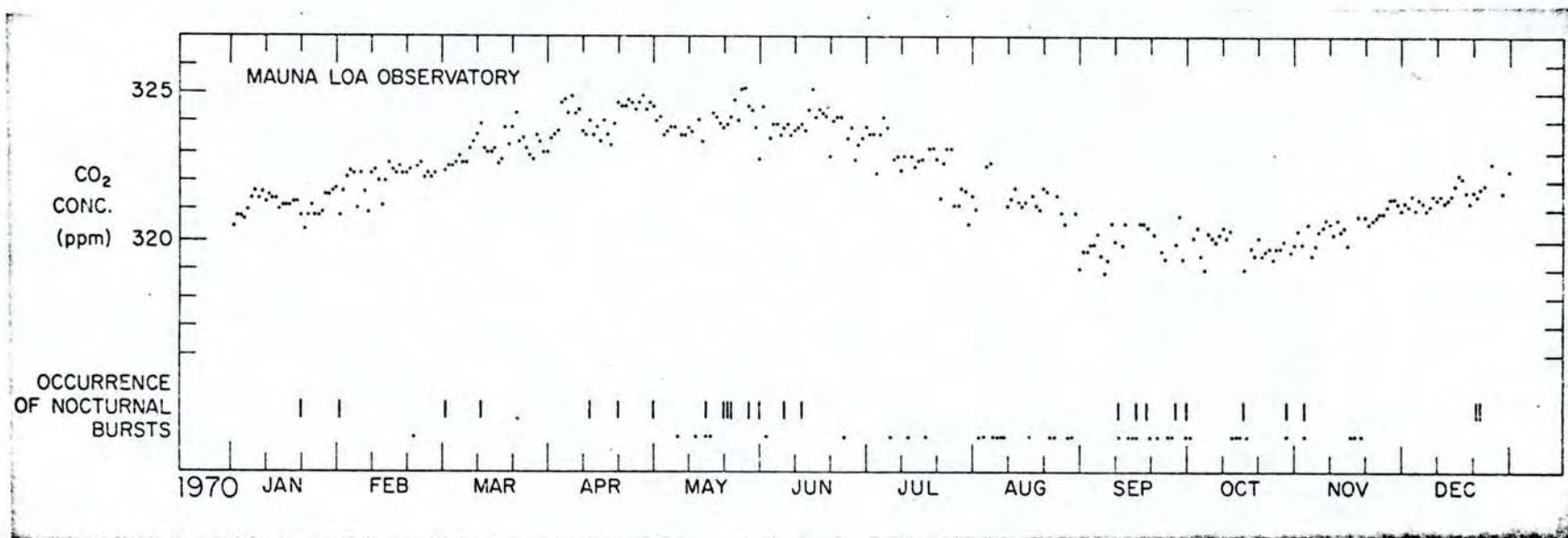


Figure 13. Daily average concentration of carbon dioxide at Mauna Loa Observatory during 1970.

by Pales and Keeling.⁽²⁾ The date assigned to each burst is that of the day beginning at 0000 hours on the night of occurrence. The approximate intensity of each burst is indicated by the length of these lines: the shortest lines denote 0 to 5 ppm; medium length lines indicate 5 to 10 ppm; longest length lines, 10 to 15 ppm.

XI. Summary of Monthly Average Concentrations - Tables 9a and 9b.

The two classes of monthly averages listed in Table 8 are summarized along with the number of days contributing data. The averages based on all available data are recorded in Table 9a while those calculated from the selected steady data are listed in Table 9b. Yearly averages are given at the bottom of each column. (The average for 1964 includes only the final 7 months.) The yearly means are also unweighted; each monthly average received equal statistical weight regardless of the number of days of data used.

XII. Twelve Month Moving Average Concentrations - Tables 10a and 10b

The running mean of the monthly concentrations listed in Tables 9a and 9b have been computed from the formula:

$$[\text{CO}_2]_{k+5} = \frac{\sum_{j=k}^{j=k+11} [\text{CO}_2]_j}{12} \quad (\text{XII-1})$$

Here $[\text{CO}_2]_{k+5}$ is the running mean concentration for the $(k+5)^{\text{th}}$ month from the start of the period covered in this report (June 1964 = 1, July 1964 = 2, etc.) $[\text{CO}_2]_j$ is the monthly average concentration for the j^{th} month based on the same time datum.

In Table 10a the moving averages which have been listed for each month have been calculated from all the available data, while in Table 10b they have been calculated using only the steady data.

XIII. Index Values and Manometric Concentrations of Flask Samples -

Table 11

A flask sampling program, begun in 1960, has continued during the period of this report as an independent check of the continuous analyzer system at Mauna Loa. Samples taken at the observatory were returned to Scripps for analysis.

Information for the first eight columns of this table was obtained from the original Flask Sample Field Data Sheets logged at the observatory. Column 1 identifies the flask and the flask volume in liters is given in column 2. Column 3 contains the month, day, and the time of exposure of the flask (Columns 4 and 5 repeatedly report the geographical location of the station because the data were processed with a computer program written to handle data obtained from flasks exposed on board ships at sea, as well as at fixed locations). The initials of the observer are listed in column 6. These sample takers were:

Designation	Name	Title
DK	C.D. Keeling	Chemist (at SIO)
JP	J.C. Pales	Physicist
HE	H. Ellis	Physicist
MK	F.M. Keyes	Electronic Tech.
CK	C.M. Kutaka	Meteorological Tech.

HA	H. Arashiro	Meteorological Tech.
RJ	R.S. Jackson	Meteorological Tech.
FC, FSC	F.S. Chin	Meteorological Tech.
BC	B. LeBlanc	Meteorological Tech.
RO	R. Oshiro	SIO Field Tech. at MLO
CC	C. Cooke	SIO Field Tech. at MLO
RP, RCP	R.C. Priebe	SIO Field Tech. at MLO

Entries in columns 7 through 9 were calculated from data obtained with the infrared gas analyzer at Scripps. The resulting index value for each analysis is given in column 7. Beginning with the samples taken on August 31, 1964 each flask was analyzed twice. The index values for each flask were averaged and converted to true concentration using the manometric formula (Equation X-2). These values are recorded in column 8 and the average of all the flasks exposed at a given time is listed in column 9. Column 10 contains the number of the Flask Sample Field Data Sheet; column 11 the Flask Sample Laboratory Data Sheet number. The number of the Scripps Research Report which contains the Scripps reference gas data used in these calculations is listed in column 12.

XIV. Air Concentration from Continuous Analyzer at Time of Flask Sampling

- Table 12

This table presents the results of measurements of the CO₂ concentration in air made with the continuous analyzer at Mauna Loa at the time flask samples were taken.

Columns 1 and 2 show the date and time of exposure of each flask

and were transcribed from column 3 of Table 11. The observed scale difference listed in column 3 is an average value which applies to a 30 to 60 minute period near the time of exposure of the flask. The recorder scale factor for the day is listed in column 4 and has been copied from column 4 of Table 8. The number of the working reference tank in use and its index are listed in columns 5 and 6 and were obtained from columns 1 and 8 of Table 7. The index and manometric values of the concentration at the time of exposure of the flask were calculated from the data of columns 3, 4 and 6 using Equation (X-1) and (X-2) and were recorded in columns 7 and 8.

XV. Comparison of Continuous Analyzer and Flask Samples at Mauna Loa Observatory - Table 13

The concentrations of the flask samples from Table 11 and the air concentrations from Table 12 are reassembled in this table for comparison. Columns 1 and 2 contain the date and time of collection of the flask sample as listed in column 3 of Table 11 and columns 1 and 2 of Table 12. The concentration of the flask sample is listed in column 3. These values were obtained from column 8 of Table 11. The air concentration measured by the continuous analyzer at the time of collection of the flask sample is listed in column 4 and was transcribed from column 8 of Table 12.

The continuous analyzer was not always operating during the time that flask samples were taken. No continuous analyzer data are available for August 31, 1964; December 2, 1964; October 6, 1969; December 19, 1969;

April 6, 1970; April 24, 1970; and July 1970 and no entries for these dates appear in Tables 12 or 13.

Differences (analyzer concentration minus flask concentration) are listed in column 5. The maximum departures listed in column 5 for each date are displayed graphically in Figure 14. The data shown in this figure have been obtained not only from this report, but from previous reports as well, and thus represent a complete history of the flask sampling program at Mauna Loa. As is seen from the average tendency and scatter in the data, the results have not been satisfactory since the beginning of 1963. In April, 1971 on a visit by Mr. Guenther of Scripps to the station, it was discovered that the principal field technician for the CO₂ program had not been advancing 10 feet after purging the entrance of the sampling flask before he exposed the flask to the free air. Results since April suggest that the problem at least recently was due to sample takers breathing near the flasks and is now solved. The results are so far too few to be sure, however.

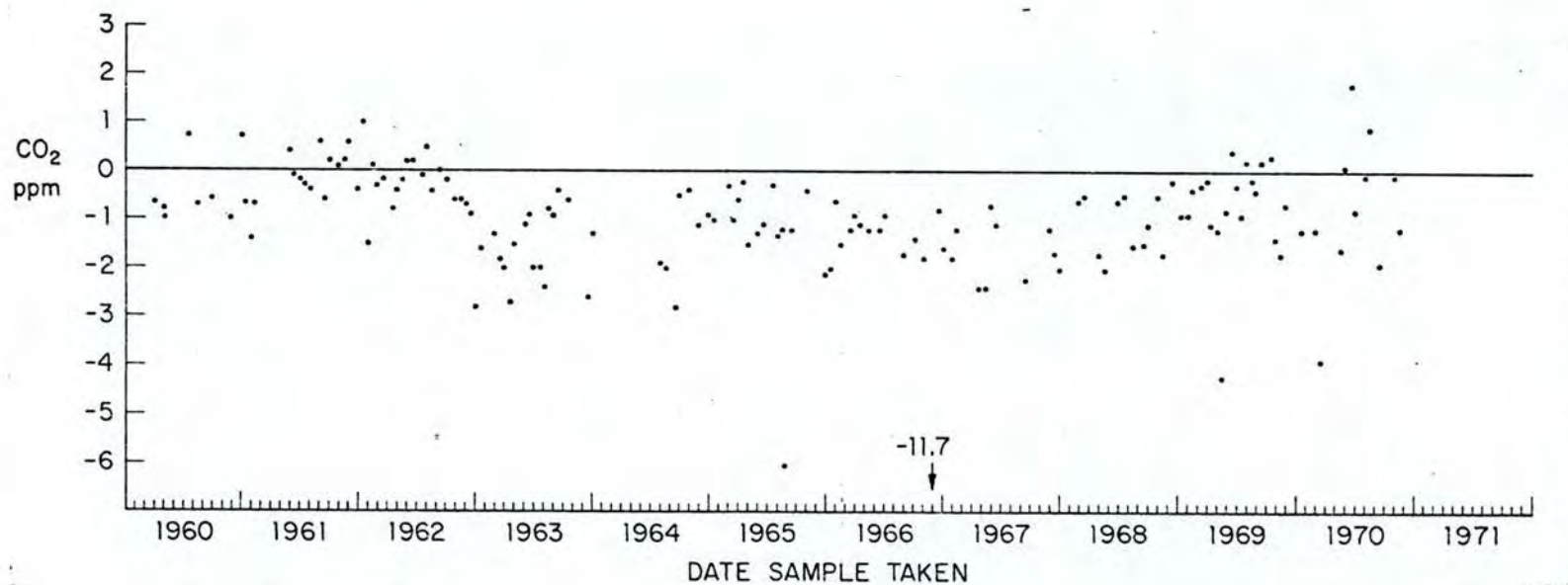


Figure 14. Maximum difference in atmospheric carbon dioxide concentration determined from the continuous analyzer at Mauna Loa and flask samples taken there and analyzed at Scripps.

References

- (1) Mauna Loa Carbon Dioxide Project Research Reports 1 (June 1, 1961); 2 (March 15, 1963); and 3 (June 15, 1965) [Copies of these reports may be obtained from Dr. Charles D. Keeling, Scripps Institution of Oceanography, La Jolla, California; copies of Report 3 may also be obtained from the ADI Auxiliary Publications Project, Photo duplication Service, Library of Congress, Washington, D.C. where it has been deposited as Document 8530.]
- (2) Pales, J.C. and C.D. Keeling [1965] The concentration of atmospheric carbon dioxide in the Hawaiian Islands. J. Geophys. Res. 70, 6053-6076 [December 15, 1965]
- (3) Carbon Dioxide Project Reference Gas Research Reports I through XVII. [Copies of these reports may be obtained from Dr. Charles D. Keeling, Scripps Institution of Oceanography, La Jolla, California]

TABLE 1. REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
10077	11083	-39.87	10	.82335	314.28	148	6 1 64
2403	11083	3.64	10		314.11	148	
2403	10077	43.94	10			148	
2403	3755	3.18	10		313.73	148	
2403	3753	1.17	10		312.07	148	
10077	11083	-40.63	10	.80817	314.27	149	6 23 64
2403	11083	3.80	10		314.18	149	
2403	10077	44.66	10			149	
2403	3753	1.39	10		312.23	149	
2403	4285	2.20	10		312.89	149	
10077	11083	-40.50	10	.81284	314.19	150	7 7 64
2403	11083	3.76	10		314.17	150	
2403	10077	44.32	9			150	
2403	4285	2.36	10		313.03	150	
10077	11083	-40.42	12	.81258	314.27	151	7 17 64
2403	11083	3.74	11		314.15	151	
2403	10077	44.44	12			151	
2403	4285	2.20	11		312.90	151	
2403	3754	1.09	10		312.00	151	
10077	11083	-40.70	10	.81291	314.02	152	7 30 64
2403	11083	3.67	10		314.09	152	
2403	10077	44.21	11			152	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2403	3754	1,31	10		312,17	152	
10077	11083	-40,96	12	.80229		153	8 7 64
2420	11083	33,12	10		313,44	153	
2403	3754	1,32	11		312,17	153	
10077	11083	-41,58	11	.79442	314,08	154	8 13 64
2403	11083	3,81	10		314,14	154	
2403	10077	45,24	10			154	
2403	2420	-30,02	10		287,26	154	
2403	3754	1,53	10		312,33	154	
2403	4295	3,36	10		313,78	154	
10077	11083	-41,40	10	.79885	314,04	155	8 18 64
2403	11083	3,60	10		313,99	155	
2403	10077	45,13	10			155	
2403	2420	-29,95	10		287,18	155	
2403	4295	-,76	10		310,50	155	
2420	11083	33,50	10	.79770	313,59	156	8 24 64
2403	11083	3,64	10		314,01	156	
2403	2420	-29,85	10		287,30	156	
2403	10077	45,13	10			156	
2403	4295	-,60	10		310,63	156	
10077	11083	-41,93	10	.78369		157	8 29 64

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2420	11083	33,77	10		313,34	157	
2403	4296	-,59	10		310,65	157	
10077	11083	-41,81	10	.79560	313,85	158	9 4 64
2403	11083	3,70	10		314,05	158	
2403	10077	44,99	10			158	
2403	2420	-30,14	10		287,13	158	
2403	4296	,37	10		311,40	158	
2403	3753	2,86	10		313,39	158	
10077	11083	-42,16	10	.77941		159	9 13 64
2420	11083	33,70	10		313,14	159	
2403	3753	2,89	10		313,36	159	
10077	11083	-18,07	10	1.84995	313,68	160	9 23 64
2403	11083	1,43	10		313,76	160	
2403	10077	19,42	10			160	
2403	2420	-13,20	10		286,69	160	
2403	3753	1,25	10		313,42	160	
10077	11083	-11,66	5	2.84361	313,95	161	10 1 64
2403	11083	1,02	5		314,01	161	
2403	10077	12,64	5			161	
2403	3753	,70	5		313,10	161	
10077	11083	-11,46	11	2.86862		162	10 2 64

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2420	11083	9.68	9		314.63	162	
2403	3753	,98	10		313.92	162	
10077	11083	-12.95	10	2.67852	312.42	163	10 9 64
2403	11083	,95	10		313.65	163	
2403	10077	13.01	10			163	
2403	2420	-7.52	10		290.97	163	
2403	3753	,74	10		313.09	163	
2403	3759	,76	10		313.15	163	
10077	11083	-11.37	10	2.89006		164	10 18 64
2420	11083	8.25	10		310.71	164	
2403	3759	,81	10		313.45	164	
10077	11083	-41.39	12	.79387		165	10 23 64
2420	11083	33.51	12		313.47	165	
2403	3759	3.23	10		313.67	165	
2420	11083	32.14	11	.83179	313.60	166	10 24 64
2403	11083	3.73	14		314.21	166	
2403	2420	-28.53	10		287.38	166	
2403	10077	43.28	10			166	
2403	3759	3.10	10		313.69	166	
10077	11083	-31.52	8	1.04235		167	10 30 64

TABLE 1. REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2420	11083	24,88	6		312,81	167	
2403	3759	2,53	4		313,74	167	
10077	11083	-36,90	8	.89051		168	10 30 64
2420	11083	29,96	8		313,55	168	
2403	3759	2,81	7		313,62	168	
10077	11083	-37,22	10	.88286		169	11 1 64
2420	11083	30,44	10		313,74	169	
2403	3759	2,66	10		313,46	169	
10077	11083	-36,93	11	.89634	314,01	170	11 7 64
2403	11083	3,32	10		314,09	170	
2403	10077	40,08	10			170	
2403	2420	-26,71	10		287,17	170	
2403	3759	2,84	10		313,66	170	
2403	2407	3,53	10		314,32	170	
10077	11083	-36,77	10	.89366		171	11 15 64
2420	11083	29,81	10		313,51	171	
2403	2407	3,70	10		314,42	171	
2420	11083	29,67	10	.90407	313,69	172	11 21 64
2403	11083	3,33	10		314,12	172	
2403	2420	-26,33	10		287,31	172	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO, OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2403	10077	39,82	10			172	
2403	2407	3,55	10		314,32	172	
10077	11083	-36,44	10	.90176		173	11 25 64
2420	11083	29,52	10		313,49	173	
2403	2407	3,62	10		314,37	173	
10077	11083	-36,47	10	.91094	313,89	174	12 2 64
2403	11083	3,10	10		313,93	174	
2403	10077	39,47	10			174	
2403	2420	-26,35	10		287,11	174	
2403	2407	3,61	10		314,40	174	
2403	4295	2,72	10		313,59	174	
2420	11083	29,51	10	.91047	313,74	175	12 11 64
2403	11083	3,01	10		313,85	175	
2403	2420	-26,43	10		287,05	175	
2403	10077	39,54	10			175	
2403	4295	2,97	10		313,81	175	
10077	11083	-36,34	10	.90424		176	12 17 64
2420	11083	29,30	10		313,36	176	
2403	4295	3,13	10		313,94	176	
10077	11083	-36,24	10	.91487	313,95	177	12 23 64

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2403	11083	3,01	10		313,86	177	
2403	10077	39,45	10			177	
2403	2420	-26,24	10		287,10	177	
2403	4295	3,18	10		314,02	177	
2403	2425	2,55	10		313,44	177	
10077	11083	-35,99	10	.91303		178	1 2 65
2420	11083	29,30	10		313,62	178	
2403	2425	2,64	10		313,52	178	
2420	11083	29,04	10	.92640	313,77	179	1 8 65
2403	11083	3,21	10		314,08	179	
2403	2420	-26,04	10		286,99	179	
2403	10077	38,86	10			179	
2403	2425	2,53	10		313,45	179	
10077	11083	-35,95	10	.91405		180	1 13 65
2420	11083	29,25	10		313,61	180	
2403	2425	2,63	10		313,51	180	
10077	11083	-35,46	10	.93252	314,04	181	1 20 65
2403	11083	3,23	10		314,12	181	
2403	10077	38,52	10			181	
2403	2420	-25,85	10		287,00	181	
2403	2425	2,67	10		313,60	181	
2403	2419	3,43	10		314,51	181	

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
10077	11083	-35.42	10	.92772		182	1 29 65
2420	11083	28.83	10		313.62	182	
2403	2419	3.62	10		314.47	182	
2420	11083	28.65	10	.94093	313.83	183	2 4 65
2403	11083	3.15	10		314.07	183	
2403	2420	-25.56	10		287.06	183	
2403	10077	38.26	10			183	
2403	2419	3.58	10		314.48	183	
10077	11083	-35.25	10	.93220		184	2 10 65
2420	11083	28.72	10		313.64	184	
2403	2419	3.63	10		314.49	184	
10077	11083	-35.48	10	.93677	313.87	185	2 17 65
2403	11083	2.92	10		313.85	185	
2403	10077	38.46	10			185	
2403	2420	-25.51	10		287.21	185	
2403	2419	3.71	10		314.59	185	
2403	11075	1.19	10		312.22	185	
2420	11083	28.69	10	.93995	313.84	186	3 4 65
2403	11083	3.13	10		314.05	186	
2403	2420	-25.58	10		287.07	186	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2403	10077	38,30	10			186	
2403	11075	1,33	10		312,36	186	
10077	11083	-34,80	10	.94721	314,15	187	3 15 65
136	11083	3,99	10		314,20	187	
136	10077	38,68	10			187	
136	2420	-24,44	10		287,27	187	
136	11075	2,30	10		312,60	187	
136	132	2,62	10		312,90	187	
10077	11083	-34,97	10	.93966		188	3 25 65
2420	11083	28,45	10		313,60	188	
136	132	3,19	10		313,42	188	
2420	11083	28,53	10	.94831	313,93	189	3 31 65
136	11083	3,92	10		314,14	189	
136	2420	-24,57	10		287,12	189	
136	10077	38,69	10			189	
136	132	2,75	10		313,03	189	
10077	11083	-34,89	10	.94182		190	4 6 65
2420	11083	28,34	10		313,56	190	
136	132	3,08	10		313,32	190	
10077	11083	-34,69	10	.95336	314,04	191	4 12 65

TABLE 1. REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
136	11083	3,84	10		314,08	191	
136	10077	38,44	10			191	
136	2420	-24,33	10		287,22	191	
136	132	2,89	10		313,18	191	
136	18219	3,17	10		313,44	191	
10077	11083	-34,78	10	.94480		192	4 23 65
2420	11083	28,29	10		313,60	192	
136	18219	3,49	10		313,72	192	
2420	11083	28,09	10	.95622	313,73	193	4 29 65
136	11083	3,93	10		314,18	193	
136	2420	-24,36	10		287,13	193	
136	10077	38,37	10			193	
136	18219	3,21	10		313,49	193	
10077	11083	-34,41	10	.95495		194	5 5 65
2420	11083	28,23	10		313,83	194	
136	18219	3,44	9		313,71	194	
10077	11083	-33,39	10	.98326	314,28	195	5 12 65
136	11083	3,81	10		314,17	195	
136	10077	37,43	10			195	
136	2420	-23,52	10		287,29	195	
136	18219	3,37	10		313,73	195	
136	6052	1,57	10		311,96	195	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
10077	11083	-33.21	10	.98946		196	5 24 65
2420	11083	26.77	10		313.36	196	
136	6052	1.87	10		312.27	196	
2420	11083	26.83	10	1.00631	313.87	197	6 1 65
136	11083	3.63	10		314.07	197	
136	2420	-23.26	10		287.01	197	
136	10077	36.40	10			197	
136	6052	1.70	9		312.13	197	
3751	11083	-28.50	10	.97719		198	6 9 65
2420	11083	27.21	10		313.46	198	
136	6052	1.63	10		312.01	198	
3751	11083	-28.99	10	.94741	314.63	199	6 19 65
136	11083	4.22	10		314.42	199	
136	3751	33.67	10			199	
136	2420	-24.65	10		287.07	199	
136	6052	2.16	10		312.47	199	
136	2400	2.28	10		312.58	199	
3751	11083	-30.71	10	.90687		200	6 29 65
2420	11083	29.60	10		313.77	200	
136	2400	2.63	8		312.80	200	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2420	11083	29.38	10	.91709	313.81	201	7 7 65
136	11083	3.92	10		314.01	201	
136	2420	-25.51	9		287.02	201	
136	3751	34.54	9			201	
136	2400	2.29	10		312.52	201	
3751	11083	-30.76	9	.90551		202	7 14 65
2420	11083	29.55	10		313.63	202	
136	2400	2.54	10		312.72	202	
3751	11083	-30.51	10	.91617	314.15	203	7 21 65
136	11083	4.02	10		314.10	203	
136	3751	34.63	9			203	
136	2420	-24.88	9		287.63	203	
136	2400	2.58	8		312.78	203	
136	4284	1.80	10		312.07	203	
3751	11083	-30.17	10	.92310		204	7 27 65
2420	11083	29.27	9		313.89	204	
136	4284	1.69	10		311.98	204	
2420	11083	29.33	10	.92469	313.99	205	8 6 65
136	11083	4.09	10		314.20	205	
136	2420	-25.44	9		286.89	205	

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
136	3751	34,26	10			205	
136	4284	1,71	10		312,00	205	
3751	11083	-30,28	10	.91975		206	8 14 65
2420	11083	28,40	10		312,99	206	
136	4284	1,57	9		311,86	206	
3751	11083	-30,36	8	.92552	314,00	207	8 22 65
136	11083	3,71	9		313,85	207	
136	3751	34,47	6			207	
136	2420	-24,71	9		287,55	207	
136	4284	1,80	10		312,09	207	
136	4278	1,87	10		312,15	207	
3751	11083	-29,58	10	.94151		208	9 6 65
2420	11083	28,83	10		314,06	208	
136	4278	1,83	10		312,14	208	
2420	11083	28,62	10	.94737	313,98	209	9 14 65
136	11083	4,10	10		314,30	209	
136	2420	-24,67	10		287,05	209	
136	3751	33,44	10			209	
136	4278	1,89	10		312,21	209	
3751	11083	-30,00	10	.92833		210	9 24 65

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2420	11083	29,46	9		314,21	210	
136	4273	1,98	10		312,26	210	
3751	11083	-29,75	10	.93352	314,33	211	10 4 65
136	11083	4,04	10		314,19	211	
136	3751	34,10	9			211	
136	2420	-25,16	9		286,94	211	
136	4273	2,11	10		312,39	211	
136	7365	1,73	10		312,03	211	
3751	11083	-29,60	10	.94088		212	10 18 65
2420	11083	29,29	10		314,43	212	
136	7365	1,63	9		311,96	212	
2420	11083	29,35	10	.94062	314,48	213	10 26 65
136	11083	4,24	10		314,41	213	
136	2420	-24,71	10		287,18	213	
136	3751	33,68	10			213	
136	7365	1,65	10		311,97	213	
3751	11083	-29,63	10	.93993		214	11 3 65
2420	11083	29,05	10		314,17	214	
136	7365	1,64	10		311,96	214	
3751	11083	-29,53	10	.94993	314,05	215	11 12 65

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
136	11083	3,84	10		314,07	215	
136	3751	33,33	10			215	
136	2420	-24,65	10		287,00	215	
136	7366	1,52	9		311,87	215	
136	4290	2,13	8		312,44	215	
3751	11083	-29,66	10	.93898		216	11 18 65
2420	11083	29,28	10		314,36	216	
136	4290	2,31	9		312,59	216	
3751	11083	-29,21	10	.94822	314,40	217	11 26 65
136	11083	4,19	10		314,39	217	
136	3751	33,42	10			217	
136	2420	-24,52	10		287,17	217	
136	4290	2,41	10		312,71	217	
136	11081	7,71	10		317,73	217	
3751	11083	-29,54	10	.94279		218	12 10 65
2420	11083	27,87	10		313,15	218	
136	11081	8,38	10		318,32	218	
2420	11083	28,22	9	.92691	313,03	219	12 15 65
136	11083	4,32	10		314,42	219	
136	2420	-23,96	10		288,21	219	
136	3751	34,18	9			219	
136	11081	8,24	9		318,06	219	

TABLE 1. REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
3751	11083	-29.34	10	.94922		220	12 25 65
2420	11083	28.38	10		313.81	220	
136	11081	8.32	10		318.32	220	
3751	11083	-29.63	10	.94511	314.10	221	1 5 66
136	11083	3.88	10		314.09	221	
136	3751	33.53	10			221	
136	2420	-24.37	10		287.39	221	
136	11081	8.68	10		318.62	221	
136	3755	7.42	10		317.43	221	
3751	11083	-30.26	10	.92036		222	1 17 66
2420	11083	28.93	10		313.50	222	
136	3755	7.72	10		317.53	222	
2420	11083	28.66	10	.92254	313.31	223	1 23 66
136	11083	4.24	10		314.33	223	
136	2420	-24.62	10		287.71	223	
136	3751	34.34	10			223	
136	3755	7.76	10		317.58	223	
3751	11083	-30.35	10	.91763		224	2 1 66
2420	11083	29.20	10		313.66	224	
136	3755	8.00	10		317.76	224	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
1008	11085	-38.44	10	.91879	316.92	225	2 10 66
136	11085	7.11	10		316.95	225	
136	1008	45.47	8			225	
136	6074	-17.14	10		294.67	225	
136	3755	7.84	10		317.62	225	
136	11078	11.11	10		320.63	225	
1008	11085	-39.67	10	.89438		226	2 21 66
6074	11085	24.61	9		316.26	226	
136	11078	11.27	10		320.50	226	
6074	11085	25.30	10	.89525	316.90	227	2 28 66
136	11085	7.40	10		317.04	227	
136	6074	-17.68	10		294.59	227	
136	1008	46.71	8			227	
136	11078	11.33	9		320.57	227	
1008	11085	-39.64	10	.89506		228	3 5 66
6074	11085	25.36	10		316.95	228	
136	11078	11.46	10		320.68	228	
1008	11085	-39.65	10	.88856	317.01	229	3 10 66
136	11085	7.30	10		316.91	229	
136	1008	47.18	10			229	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
136	6074	-17,64	10		294,75	229	
136	11078	11,30	10		320,46	229	
136	148	10,96	10		320,16	229	
1008	11085	-39,59	10	.89619		230	3 22 66
6074	11085	25,11	10		316,75	230	
136	148	10,92	10		320,21	230	
6074	11085	25,52	10	.88358	316,80	231	3 28 66
136	11085	7,35	10		316,91	231	
136	6074	-18,07	10		294,45	231	
136	1008	47,33	10			231	
136	148	10,97	10		320,11	231	
1008	11085	-40,15	10	.88369		232	4 6 66
6074	11085	25,12	10		316,45	232	
136	148	11,21	10		320,53	232	
1008	11085	-39,82	9	.88425	317,03	233	4 10 66
136	11085	7,33	9		316,90	233	
136	1008	47,42	10			233	
136	6074	-17,75	10		294,72	233	
136	148	11,06	10		320,20	233	
136	7364	12,92	10		321,84	233	
1008	11085	-40,56	10	.87475		234	4 22 66

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO, OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6074	11085	25,18	10		316,28	234	
136	7364	12,90	10		321,70	234	
6074	11085	25,57	10	.87636	316,66	235	4 29 66
136	11085	7,15	10		316,69	235	
136	6074	-18,30	10		294,38	235	
136	1008	47,72	10			235	
136	7364	12,98	9		321,79	235	
1008	11085	-40,76	9	.87055		236	5 5 66
6074	11085	25,86	10		316,76	236	
136	7364	13,11	10		321,83	236	
1008	11085	-40,73	10	.86944	316,83	237	5 10 66
136	11085	7,43	10		316,88	237	
136	1008	48,04	10			237	
136	6074	-18,31	10		294,50	237	
136	7364	13,11	10		321,82	237	
136	18220	11,43	10		320,36	237	
1008	11085	-41,05	10	.86431		238	5 18 66
6074	11085	26,15	10		316,85	238	
136	18220	11,54	10		320,39	238	
6074	11085	26,49	9	.84349	316,59	239	5 24 66

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
136	11085	7,59	10		316,82	239	
136	6074	-18,91	10		294,47	239	
136	1008	49,58	10			239	
136	18220	11,69	10		320,28	239	
1008	11085	-41,80	10	.84880		240	5 30 66
6074	11085	26,43	10		316,68	240	
136	18220	11,55	10		320,22	240	
1008	11085	-41,87	10	.84621	316,81	241	6 4 66
136	11085	7,59	10		316,84	241	
136	1008	49,38	10			241	
136	6074	-18,92	10		294,41	241	
136	18220	11,75	10		320,36	241	
136	181	13,81	10		322,11	241	
1008	11085	-41,47	10	.85556		242	6 12 66
6074	11085	26,54	10		316,96	242	
136	181	13,92	10		322,33	242	
6074	11085	26,56	10	.85153	316,87	243	6 17 66
6078	11085	7,32	10		316,89	243	
6078	6074	-19,23	10		294,29	243	
6078	1008	48,83	10			243	
6078	181	13,50	10		322,16	243	
1008	11085	-41,78	10	.84921		244	6 22 66

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6074	11085	26,50	10		316,75	244	
6078	181	13,78	10		322,36	244	
1008	11085	-41,84	10	.84779	316,77	245	6 28 66
6078	11085	7,24	10		316,80	245	
6078	1008	49,01	10			245	
6078	6074	-19,30	10		294,30	245	
6078	181	13,87	10		322,42	245	
6078	2421	13,82	10		322,38	245	
1008	11085	-41,69	10	.65104		246	7 7 66
6074	11085	26,62	10		316,90	246	
6078	2421	13,70	10		322,32	246	
6074	11085	27,54	10	.82386	316,94	247	8 4 66
6078	11085	7,58	10		316,90	247	
6078	6074	-19,85	10		294,31	247	
6078	1008	50,47	10			247	
6078	2421	14,21	10		322,37	247	
1008	11085	-43,69	10	.61209		248	8 9 66
6074	11085	27,63	10		316,69	248	
6078	2421	14,45	10		322,39	248	
1008	11085	-43,48	10	.81570	316,77	249	8 13 66

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6078	11085	7,59	10		316,85	249	
6078	1008	50,88	10			249	
6078	6074	-20,05	10		294,31	249	
6078	2421	14,32	10		322,34	249	
6078	11092	14,80	10		322,73	249	
1008	11085	-43,17	10	.82187		250	8 21 66
6074	11085	27,46	10		316,82	250	
6078	11092	14,97	10		322,96	250	
6074	11085	19,85	10	1.12561	316,59	251	8 27 66
6078	11085	5,50	10		316,85	251	
6078	6074	-14,47	10		294,37	251	
6078	1008	36,94	10			251	
6078	11092	10,86	10		322,88	251	
1008	11085	-30,81	10	1.15157		252	8 31 66
6074	11085	19,30	10		316,48	252	
6078	11092	10,70	10		322,98	252	
1008	11085	-30,69	10	1.16049	316,62	253	9 6 66
6078	11085	5,24	10		316,74	253	
6078	1008	35,73	10			253	
6078	6074	-13,97	10		294,45	253	
6078	11092	10,57	10		322,93	253	
6078	4277	10,51	10		322,86	253	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
1008	11085	-30.20	10	1.17483		254	9 14 66
6074	11085	19.01	10		316.58	254	
6076	4277	10.35	10		322.82	254	
6074	11085	19.16	10	1.18159	316.89	255	9 20 66
6078	11085	5.27	10		316.89	255	
6078	6074	-13.87	10		294.27	255	
6078	1008	35.19	10			255	
6078	4277	10.34	10		322.88	255	
1008	11085	-30.65	10	1.15759		256	9 25 66
6074	11085	19.29	10		316.58	256	
6078	4277	10.59	10		322.92	256	
1008	11085	-30.97	10	1.14974	316.63	257	10 2 66
6078	11085	5.22	10		316.66	257	
6078	1008	36.14	10			257	
6078	6074	-14.18	10		294.36	257	
6078	4277	10.29	10		322.49	257	
6078	7362	6.50	10		318.13	257	
1006	11085	-30.63	10	1.15834		258	10 11 66
6074	11085	19.45	10		316.78	258	
6078	7362	6.39	10		318.06	258	

TABLE 1. REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6074	11085	19,72	10	1.14012	316,73	259	10 19 66
6078	11085	5,36	10		316,77	259	
6078	6074	-14,10	10		294,58	259	
6078	1008	36,47	10			259	
6078	7362	6,68	10		318,28	259	
1008	11085	-31,43	10	1.12886		260	10 26 66
6074	11085	19,70	10		316,49	260	
6078	7362	6,57	10		318,08	260	
1008	11085	-30,74	10	1.15276	316,80	261	11 2 66
6078	11085	5,22	10		316,68	261	
6078	1008	36,18	10			261	
6078	6074	-14,14	10		294,36	261	
6078	7362	6,67	9		318,35	261	
1008	11085	-31,08	10	1.13949	316,82	262	11 12 66
6078	11085	5,44	10		316,86	262	
6078	1008	36,46	10			262	
6078	6074	-14,14	10		294,55	262	
6078	11080	,39	10		311,10	262	
1008	11085	-32,01	10	1.10840		263	11 20 66
6074	11085	20,35	10		316,81	263	

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6078	11080	,42	10		311,13	263	
6074	11085	19,85	10	1.11624	316,41	264	11 25 66
6078	11085	5,38	10		316,67	264	
6078	6074	-14,62	10		294,34	264	
6078	1008	37,25	10			264	
6078	11080	,48	10		311,20	264	
1008	11085	-31,65	10	1.12101		265	11 30 66
6074	11085	20,09	10		316,77	265	
6078	11080	,45	10		311,16	265	
1008	11085	-31,94	10	1.11088	316,76	266	12 4 66
6078	11085	5,54	10		316,81	266	
6078	1008	37,33	10			266	
6078	6074	-14,63	10		294,41	266	
6078	11080	,47	9		311,18	266	
6078	4275	,56	10		311,28	266	
1008	11085	-31,63	10	1.12172		267	12 14 66
6074	11085	20,01	10		316,70	267	
6078	4275	,52	10		311,24	267	
6074	11085	20,48	10	1.11804	317,15	268	12 21 66
6078	11085	5,49	10		316,80	268	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6078	6074	-14,89	10		294,01	268	
6078	1003	37,19	10			268	
6078	4275	,57	10		311,30	268	
1008	11085	-31,57	10	1.12385		269	12 27 66
6074	11085	19,89	10		316,60	269	
6078	4275	,69	10		311,44	269	
1008	11085	-31,83	10	1.11729	316,68	270	1 1 67
6078	11085	5,36	10		316,65	270	
6078	1003	37,24	10			270	
6078	6074	-14,80	10		294,12	270	
6078	4275	,61	10		311,34	270	
6078	18220	10,26	10		322,12	270	
1008	11085	-32,39	10	1.09540		271	1 11 67
6074	11085	20,74	10		316,97	271	
6078	18220	10,79	10		322,48	271	
6074	11085	21,77	10	1.03950	316,88	272	2 3 67
6078	11085	5,90	10		316,79	272	
6078	6074	-15,35	10		294,70	272	
6078	1003	40,00	10			272	
6078	18220	11,01	10		322,10	272	
1008	11085	-33,62	10	1.05532		273	2 8 67

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6074	11085	21,27	10		316,70	273	
6078	18220	11,00	10		322,27	273	
1008	11085	-33,67	10	1.04696	316,99	274	2 14 67
6078	11085	6,00	10		316,94	274	
6078	1008	39,76	10			274	
6078	6074	-15,68	10		294,24	274	
6078	18220	11,37	10		322,56	274	
6078	4278	11,99	10		323,21	274	
1008	11085	-33,86	10	1.04784		275	2 21 67
6074	11085	21,41	10		316,68	275	
6078	4278	11,97	10		323,20	275	
6074	11085	21,82	10	1.02288	316,57	276	3 1 67
6078	11085	5,98	10		316,78	276	
6078	6074	-15,58	10		294,72	276	
6078	1008	40,65	10			276	
6078	4278	11,97	10		322,90	276	
1008	11085	-34,43	10	1.03050		277	3 8 67
6074	11085	21,91	10		316,83	277	
6078	4278	12,22	10		323,25	277	
1008	11085	-33,14	10	1.06524	316,94	278	3 15 67

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6078	11085	5,65	10		316,68	278	
6078	1003	39,28	10			278	
6078	6074	-15,27	10		294,39	278	
6078	4278	11,87	10		323,30	278	
6078	11078	13,63	10		325,18	278	
6074	11085	22,68	10	1.00265	316,99	279	3 31 67
6078	11085	6,35	10		317,03	279	
6078	6074	-16,52	10		294,10	279	
6078	1003	41,47	10			279	
6078	11078	14,62	10		325,32	279	
1008	11085	-35,09	10	1.01111		280	4 7 67
6074	11085	22,38	10		316,88	280	
6078	11078	14,65	10		325,47	280	
1008	11085	-35,17	10	1.01255	316,63	281	4 12 67
6078	11085	6,02	10		316,76	281	
6078	1003	40,94	10			281	
6078	6074	-15,93	10		294,53	281	
6078	11078	14,53	10		325,57	281	
6078	7364	13,47	10		324,50	281	
1008	11085	-36,64	10	.96834		282	4 23 67
6074	11085	23,36	10		316,87	282	
6078	7364	14,33	10		324,54	282	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6074	11085	23.02	10	.95895	316.33	283	4 30 67
6078	11085	6.38	10		316.78	283	
6078	6074	-16.72	10		294.63	283	
6078	1008	43.36	10			283	
6078	7364	14.37	10		324.44	283	
1008	11085	-37.68	10	.94161		284	5 12 67
6074	11085	23.96	10		316.81	284	
6078	7364	14.69	10		324.49	284	
1008	11085	-38.62	10	.92237	316.62	285	5 17 67
6078	11085	6.59	10		316.74	285	
6078	1008	44.95	10			285	
6078	6074	-17.54	10		294.48	285	
6078	7364	15.02	10		324.51	285	
6078	3759	8.92	10		318.89	285	
1008	11085	-37.82	10	.93813		286	5 27 67
6074	11085	23.82	10		316.60	286	
6078	3759	8.35	10		318.49	286	
6074	11085	23.52	10	.95520	316.72	287	6 3 67
6078	11085	6.42	10		316.79	287	
6078	6074	-17.14	10		294.29	287	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO,	DATE OF ANALYSIS
6078	1008	43,53	10			287	
6078	3759	8,56	10		318,84	287	
1008	11085	-36,63	10	.96860		288	6 7 67
6074	11085	23,20	10		316,72	288	
6078	3759	8,36	10		318,76	288	
1008	11085	-37,00	10	.95588	316,87	289	6 14 67
6078	11085	6,27	10		316,65	289	
6078	1008	43,73	10			289	
6078	6074	-17,05	10		294,36	289	
6078	3759	8,66	10		318,94	289	
6078	11083	13,43	10		323,50	289	
3751	11085	-27,91	10	.90792		290	6 24 67
6074	11085	24,41	10		316,41	290	
6078	11083	13,91	10		323,29	290	
6074	11085	23,71	10	.94273	316,60	291	6 30 67
6078	11085	6,67	10		316,95	291	
6078	6074	-17,14	10		294,50	291	
6078	3751	33,35	10			291	
6078	11083	13,58	10		323,46	291	
3751	11085	-26,16	10	.96865		292	7 5 67

TABLE 1. REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6074	11085	23,48	10		316,99	292	
6078	11083	13,31	10		323,55	292	
3751	11085	-27,14	10	.93005	316,86	293	7 11 67
6078	11085	6,61	10		316,81	293	
6078	3751	33,86	10			293	
6078	6074	-17,43	10		294,45	293	
6078	11083	14,15	10		323,82	293	
6078	181	11,36	10		321,23	293	
6074	11085	23,52	10	.95331	316,67	294	7 25 67
6078	11085	6,61	10		316,96	294	
6078	6074	-17,10	10		294,36	294	
6078	3751	32,98	10			294	
6078	181	11,15	10		321,29	294	
3751	11085	-26,00	10	.97462		295	7 30 67
6074	11085	23,30	10		316,96	295	
6078	181	11,12	10		321,50	295	
3751	11085	-26,42	10	.95117	316,97	296	8 4 67
6078	11085	6,46	10		316,80	296	
6078	3751	33,23	10			296	
6078	6074	-17,17	10		294,33	296	
6078	181	11,35	10		321,46	296	
6078	11080	10,08	9		320,25	296	

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
3751	11085	-26.75	10	.94729		297	8 11 67
6074	11085	23.68	10		316.68	297	
6074	11085	23.60	9	.94443	316.54	298	8 18 67
6078	11085	6.81	10		317.09	298	
6078	6074	-17.28	10		294.34	298	
6078	3751	33.29	10			298	
6078	11080	10.03	10		320.13	298	
3751	11085	-26.38	10	.96058		299	8 25 67
6074	11085	23.45	10		316.78	299	
6078	11080	10.13	10		320.39	299	
3751	11085	-26.65	10	.94871	316.82	300	8 27 67
6078	11085	6.40	10		316.73	300	
6078	3751	33.23	10			300	
6078	6074	-17.45	10		294.11	300	
6078	11080	10.29	10		320.42	300	
6078	11092	10.35	10		320.48	300	
3751	11085	-26.31	10	.96313		301	9 5 67
6074	11085	23.84	10		317.21	301	
6078	11092	10.02	10		320.31	301	
6074	11085	23.85	10	.96917	317.36	302	9 9 67

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6078	11085	6,48	10		316,94	302	
6078	6074	-17,16	10		294,03	302	
6078	3751	32,44	10			302	
6078	11092	9,88	10		320,24	302	
3751	11085	-26,01	10	.97424		303	9 17 67
6074	11085	23,52	10		317,16	303	
6078	11092	10,12	10		320,52	303	
3751	11085	-26,20	10	.96176	316,90	304	9 24 67
6078	11085	6,44	10		316,85	304	
6078	3751	32,74	10			304	
6078	6074	-17,36	10		293,96	304	
6078	11092	9,86	10		320,14	304	
6078	7362	10,86	10		321,10	304	
3751	11085	-26,90	10	.94201		305	10 3 67
6074	11085	24,15	10		317,00	305	
6078	7362	11,04	10		321,06	305	
6074	11085	24,53	10	.92771	317,01	306	10 7 67
6078	11085	6,56	10		316,75	306	
6078	6074	-17,93	10		294,03	306	
6078	3751	33,89	10			306	
6078	7362	11,31	10		321,15	306	
3751	11085	-27,42	6	.92424		307	10 12 67

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6074	11085	24.43	6		316.83	307	
6078	7362	11.00	5		320.83	307	
3751	11085	-27.27	8	.92087	316.98	308	10 18 67
6078	11085	6.80	7		316.92	308	
6078	3751	34.20	8			308	
6078	6074	-17.66	8		294.40	308	
6078	7362	11.38	8		321.13	308	
6078	4277	10.60	7		320.42	308	
3751	11085	-27.20	10	.93162		309	10 27 67
6074	11085	24.55	10		317.12	309	
6078	4277	10.70	10		320.63	309	
6074	11085	24.18	10	.93655	316.90	310	11 1 67
6078	11085	6.62	10		316.86	310	
6078	6074	-17.49	10		294.28	310	
6078	3751	33.57	10			310	
6078	4277	10.49	10		320.48	310	
3751	11085	-27.83	10	.91053		311	11 8 67
6074	11085	24.99	10		317.00	311	
6078	4277	10.86	10		320.55	311	
3751	11085	-27.47	10	.92051	316.81	312	11 14 67

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6078	11085	6,64	10		316,77	312	
6078	3751	34,20	10			312	
6078	6074	-17,99	10		294,10	312	
6078	4277	10,69	10		320,50	312	
6078	2421	4,85	10		315,12	312	
3751	11085	-27,66	10	.91612		313	11 21 67
6074	11085	24,68	10		316,86	313	
6078	2421	5,25	10		315,47	313	
6074	11085	23,56	10	.97097	317,13	314	11 28 67
6078	11085	6,39	10		316,86	314	
6078	6074	-17,02	10		294,13	314	
6078	3751	32,38	10			314	
6078	2421	4,70	10		315,22	314	
3751	11085	-26,30	10	.96350		315	12 5 67
6074	11085	23,62	10		317,01	315	
6078	2421	4,94	10		315,42	315	
3751	11085	-26,42	10	.95547	316,86	316	12 10 67
6078	11085	6,48	10		316,85	316	
6078	3751	32,91	10			316	
6078	6074	-17,37	10		294,06	316	
6078	2421	4,78	10		315,23	316	
6078	2425	10,14	10		320,35	316	

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
3751	11085	-26.97	10	.93956		317	12 17 67
6074	11085	24.26	10		317.04	317	
6078	2426	10.56	10		320.58	317	
6074	11085	25.54	10	.87821	316.68	318	12 24 67
6078	11085	6.95	10		316.76	318	
6076	6074	-18.92	10		294.04	318	
6078	3751	35.80	10			318	
6078	2426	10.74	10		320.09	318	
3751	11085	+28.43	10	.89131		319	12 30 67
6074	11085	25.44	10		316.92	319	
6078	2426	10.74	10		320.23	319	
3751	11085	-28.08	10	.89451	316.98	320	1 3 68
6078	11085	6.80	10		316.74	320	
6078	3751	35.42	10			320	
6078	6074	-18.25	10		294.34	320	
6078	2426	11.10	10		320.59	320	
6078	3757	11.87	10		321.28	320	
3751	11085	-28.42	10	.89163		321	1 9 68
6074	11085	25.43	10		316.92	321	
6078	3757	11.90	10		321.27	321	

TABLE 1. REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
6074	11085	25.51	10	.89649	317.12	322	1 14 68
6078	11085	7.00	10		316.94	322	
6078	6074	-18.43	10		294.14	322	
6078	3751	35.07	10			322	
6078	3757	11.95	10		321.57	322	
3751	11085	-28.38	10	.89288		323	1 17 68
6074	11085	25.40	10		316.93	323	
6078	3757	12.19	10		321.54	323	
3751	11085	-28.79	10	.87981	316.77	324	1 22 68
6078	11085	6.95	10		316.77	324	
6078	3751	35.73	10			324	
6078	6074	-18.46	10		294.42	324	
6078	3757	11.99	10		321.21	324	
6078	4290	8.99	10		318.57	324	
10077	3756	-34.30	10	.87843		325	1 27 68
2427	3756	27.96	10		313.60	325	
7344	4290	9.94	10		318.60	325	
2427	7344	23.66	10	.85257	309.21	326	2 2 68
3756	7344	-5.00	10		309.92	326	
3756	2427	-28.31	10		290.04	326	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO,	DATE OF ANALYSIS
3756	10077	35,34	10			326	
3756	4290	5,04	10		318,48	326	
10077	7344	-40,18	10	.85714		327	2 7 68
2427	7344	23,89	10		309,52	327	
3756	4290	5,25	10		318,68	327	
10077	7344	-39,53	10	.86274	310,21	328	2 11 68
3756	7344	-4,82	10		310,02	328	
3756	10077	35,14	10			328	
3756	2427	-28,65	10		289,46	328	
3756	4290	5,11	10		318,59	328	
3756	3759	5,92	10		319,29	328	
10077	7344	-39,61	10	.86948		329	2 17 68
2427	7344	23,66	10		309,61	329	
3756	3759	5,81	10		319,23	329	
2427	7344	23,70	10	.85548	309,31	330	2 24 68
3756	7344	-4,94	10		309,95	330	
3756	2427	-28,59	10		289,72	330	
3756	10077	35,22	10			330	
3756	3759	5,70	10		319,06	330	
10077	7344	-41,18	10	.83633		331	3 2 68

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO, OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2427	7344	24,40	10		309,45	331	
3756	3759	5,99	10		319,19	331	
10077	7344	-41,41	10	.83037	309,92	332	3 6 68
3756	7344	-5,18	10		309,88	332	
3756	10077	36,34	10			332	
3756	2427	-29,42	10		289,75	332	
3756	3759	6,25	10		319,37	332	
3756	3752	5,42	10		318,68	332	
10077	7344	-40,58	10	.84869		333	3 13 68
2427	7344	23,72	10		309,17	333	
3756	3752	5,60	10		318,93	333	
2427	7344	24,34	10	.83741	309,42	334	3 19 68
3756	7344	-5,27	10		309,77	334	
3756	2427	-29,41	10		289,55	334	
3756	10077	35,98	10			334	
3756	3752	5,61	10		318,88	334	
10077	7344	-41,73	10	.82531		335	3 26 68
2427	7344	25,02	10		309,69	335	
3756	3752	5,92	10		319,07	335	
10077	7344	-42,02	10	.81609	310,02	336	3 31 68

TABLE 1. REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
3756	7344	-5,05	10		310,06	336	
3756	10077	36,87	10			336	
3756	2427	-29,92	10		289,76	336	
3756	3752	5,74	10		318,86	336	
3756	11089	6,54	10		319,52	336	
10077	7344	-42,02	10	.81961		337	4 7 68
2427	7344	24,74	10		309,32	337	
3756	11089	6,87	10		319,81	337	
2427	7344	24,41	10	.82980	309,30	338	4 12 68
3756	7344	-5,34	10		309,75	338	
3756	2427	-29,25	10		289,91	338	
3756	10077	36,31	10			338	
3756	11089	7,10	10		320,07	338	
10077	7344	-41,21	10	.83964	309,71	339	4 24 68
3756	7344	-5,39	10		309,65	339	
3756	10077	35,96	9			339	
3756	2427	-28,90	10		289,91	339	
3756	11089	6,71	10		319,81	339	
3756	11083	11,29	10		323,66	339	
10077	7344	-40,06	10	.85971		340	4 30 68
2427	7344	23,45	10		309,20	340	
3756	11083	11,21	10		323,82	340	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO, OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO,	DATE OF ANALYSIS
2427	7344	23.58	10	.86930	309.54	341	5 4 68
3756	7344	-5.17	10		309.69	341	
3756	2427	-28.43	10		289.42	341	
3756	10077	34.66	10			341	
3756	11083	11.09	10		323.82	341	
10077	7344	-39.80	10	.86533		342	5 10 68
2427	7344	23.43	10		309.31	342	
3756	11083	10.60	10		323.35	342	
10077	7344	-39.67	10	.86506	309.99	343	5 14 68
3756	7344	-4.80	10		310.03	343	
3756	10077	34.79	10			343	
3756	2427	-29.06	10		289.04	343	
3756	11083	10.94	10		323.64	343	
3756	4275	11.71	10		324.31	343	
10077	7344	-40.02	10	.86057		344	5 22 68
2427	7344	23.48	10		309.25	344	
3756	4275	12.08	10		324.58	344	
2427	7344	22.56	9	.88908	309.09	345	5 29 68
3756	7344	-4.52	10		310.16	345	
3756	2427	-28.20	9		289.11	345	

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
3756	10077	33,89	9			345	
3756	4275	11,26	10		324,19	345	
10077	7344	-39,55	10	.87080		346	6 3 68
2427	7344	23,20	10		309,24	346	
3756	4275	11,80	10		324,46	346	
10077	7344	-38,73	10	.88336	310,10	347	6 7 68
3756	7344	-4,86	10		309,89	347	
3756	10077	34,35	10			347	
3756	2427	-27,71	10		289,70	347	
3756	4275	11,43	10		324,32	347	
3756	11081	9,75	10		322,79	347	
10077	7344	-38,32	10	.89875		348	6 14 68
2427	7344	22,37	10		309,15	348	
3756	11081	9,34	10		322,57	348	
2427	7344	22,39	10	.89539	309,09	349	6 21 68
3756	7344	-4,64	9		310,02	349	
3756	2427	-27,32	9		289,72	349	
3756	10077	33,65	10			349	
3756	11081	9,89	9		323,03	349	
10077	7344	-41,58	10	.83163	309,73	350	7 2 68

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO,	DATE OF ANALYSIS
3756	7344	-5.28	10		309,79	350	
3756	10077	36,16	10			350	
3756	2427	-29,51	10		289,64	350	
3756	11081	10,61	10		323,00	350	
3756	2405	9,13	10		321,77	350	
10077	7344	-40,85	10	.84308		351	7 10 68
2427	7344	23,82	10		309,12	351	
3756	2405	9,07	10		321,83	351	
2427	7344	24,14	10	.84327	309,40	352	7 16 68
3756	7344	-4,96	10		310,00	352	
3756	2427	-28,99	10		289,73	352	
3756	10077	35,73	10			352	
3756	2405	8,92	10		321,70	352	
10077	7344	-41,85	10	.82294		353	7 26 68
2427	7344	24,51	10		309,21	353	
3756	2405	9,33	10		321,86	353	
10077	7344	-41,83	10	.81961	310,03	354	8 2 68
3756	7344	-4,98	9		310,10	354	
3756	10077	36,68	10			354	
3756	2427	-29,87	9		289,70	354	
3756	2405	9,30	9		321,80	354	
3756	4295	9,69	9		322,12	354	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
10077	7344	-42.61	10	.80826		355	8 13 68
2427	7344	25.03	10		309.27	355	
3756	4295	9.48	10		321.84	355	
2427	7344	25.64	10	.78714	309.22	356	8 21 68
3756	7344	-5.58	10		309.79	356	
3756	2427	-31.33	10		289.52	356	
3756	10077	38.28	9			356	
3756	4295	9.55	10		321.70	356	
10077	7344	-41.60	10	.82788		357	8 30 68
2427	7344	24.65	10		309.45	357	
3756	4295	9.57	10		322.10	357	
10077	7344	-42.46	10	.80956	309.94	358	9 6 68
3756	7344	-5.22	9		309.95	358	
3756	10077	37.20	10			358	
3756	2427	-30.47	10		289.51	358	
3756	4295	9.69	10		322.02	358	
3756	2419	3.12	10		316.71	358	
10077	7344	-42.73	10	.80599		359	9 13 68
2427	7344	25.62	10		309.69	359	
3756	2419	3.23	10		316.78	359	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2427	7344	25.66	10	.80276	309.64	360	9 20 68
3756	7344	-5.31	10		309.92	360	
3756	2427	-30.49	10		289.70	360	
3756	10077	37.53	9			360	
3756	2419	2.78	6		316.41	360	
10077	7344	-42.85	10	.80373		361	10 2 68
2427	7344	25.82	10		309.79	361	
3756	2419	3.18	10		316.74	361	
10077	7344	-43.00	10	.79865	309.97	362	10 8 68
3756	7344	-5.26	9		309.98	362	
3756	10077	37.71	10			362	
3756	2427	-31.14	10		289.51	362	
3756	2419	3.19	10		316.73	362	
3756	4297	10.44	10		322.52	362	
10077	7344	-43.78	10	.78666		363	10 16 68
2427	7344	25.89	10		309.41	363	
3756	4297	10.68	10		322.58	363	
2427	7344	25.70	10	.79227	309.40	364	10 25 68
3756	7344	-5.42	9		309.88	364	
3756	2427	-31.43	10		289.28	364	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
3756	10077	38.03	10			364	
3756	4297	10.68	10		322.64	364	
10077	7344	-43.71	10	.78792		365	11 1 68
2427	7344	25.98	6		309.51	365	
3756	4297	10.80	5		322.69	365	
10077	7344	-43.54	10	.79297	309.78	366	11 8 68
3756	7344	-5.31	9		309.97	366	
3756	10077	37.79	10			366	
3756	2427	-31.32	10		289.34	366	
3756	4297	10.70	10		322.66	366	
3756	2423	6.84	10		319.60	366	
10077	7344	-43.64	9	.78911		367	11 15 68
2427	7344	25.33	9		309.03	367	
3756	2423	7.15	10		319.82	367	
2427	7344	25.78	10	.79730	309.59	368	11 27 68
3756	7344	-5.40	9		309.87	368	
3756	2427	-31.02	10		289.45	368	
3756	10077	37.79	10			368	
3756	2423	6.97	10		319.74	368	
10077	7344	-43.44	10	.79282		369	12 5 68

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO,	DATE OF ANALYSIS
2427	7344	25,87	10		309,55	369	
3756	2423	7,05	10		319,77	369	
10077	7344	-41,44	5	.81882	310,58	370	12 17 68
1540	7344	-4,58	6		310,57	370	
1540	10077	36,88	6			370	
1540	2427	-29,57	6		289,91	370	
1540	2423	7,24	5		320,05	370	
1540	11092	9,37	6		321,79	370	
2427	7344	19,45	4	1.03440	309,16	372	1 7 69
1540	7344	-3,35	4		310,65	372	
1540	2427	-23,04	5		290,29	372	
1540	10077	29,19	7			372	
1540	11092	7,30	6		321,67	372	
10077	7344	-31,62	10	1.08918		373	1 14 69
2427	7344	19,47	6		310,24	373	
1540	11092	6,26	9		320,93	373	
10077	7344	-31,18	10	1.10025	310,00	374	1 21 69
1540	7344	-3,60	10		310,16	374	
1540	10077	27,30	10			374	
1540	2427	-22,36	10		289,52	374	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO, OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
1540	11092	7,04	10		321,87	374	
1540	4283	7,76	10		322,66	374	
10077	7344	-31,20	10	1.10385		375	1 31 69
2427	7344	18,61	10		309,58	375	
1540	4283	7,90	10		322,84	375	
2427	7344	18,61	9	1.09822	309,48	376	2 10 69
1540	7344	-3,74	10		310,01	376	
1540	2427	-22,50	10		289,41	376	
1540	10077	27,49	10			376	
1540	4283	7,73	10		322,61	376	
10077	7344	-31,35	10	1.09856		377	2 17 69
2427	7344	18,62	9		309,50	377	
1540	4283	7,98	10		322,89	377	
10077	7344	-31,02	10	1.10484	310,04	378	2 24 69
1540	7344	-3,62	9		310,12	378	
1540	10077	27,26	10			378	
1540	2427	-22,32	10		289,46	378	
1540	4283	7,85	10		322,79	378	
1540	181	7,98	10		322,94	378	
10077	7344	-31,46	10	1.09472		379	3 5 69

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2427	7344	18.78	10		309.60	379	
1540	181	8.29	10		323.20	379	
2427	7344	18.81	10	1.08903	309.52	380	3 12 69
1540	7344	-3.74	10		310.05	380	
1540	2427	-22.54	10		289.57	380	
1540	10077	27.72	9			380	
1540	181	8.33	10		323.19	380	
10077	7344	-31.64	10	1.08850		381	3 24 69
2427	7344	18.78	10		309.48	381	
1540	181	8.39	10		323.25	381	
10077	7344	-31.67	10	1.08488	309.95	382	4 1 69
1540	7344	-3.84	9		309.95	382	
1540	10077	27.83	10			382	
1540	2427	-22.57	10		289.63	382	
1540	181	8.28	10		323.10	382	
1540	2407	8.53	10		323.37	382	
10077	7344	-31.68	10	1.08712		383	4 9 69
2427	7344	18.75	10		309.42	383	
1540	2407	8.51	10		323.37	383	
2427	7344	18.83	10	1.09226	309.61	384	4 21 69

TABLE 1. REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
1540	7344	-3.72	9		310.05	384	
1540	2427	-22.86	10		289.15	384	
1540	10077	27.64	10			384	
1540	2407	8.45	10		323.35	384	
10077	7344	-31.53	10	1.09229		385	4 28 69
2427	7344	19.01	10		309.80	385	
1540	2407	8.60	10		323.51	385	
10077	7344	-31.39	10	1.09403	309.97	386	5 7 69
1540	7344	-3.72	9		310.05	386	
1540	10077	27.53	10			386	
1540	2427	-22.60	10		289.39	386	
1540	2407	8.48	10		323.40	386	
1540	1009	9.83	10		324.87	386	
10077	7344	-31.69	10	1.08678		387	5 15 69
2427	7344	18.89	10		309.57	387	
1540	1009	10.04	10		325.03	387	
2427	7344	18.88	10	1.08558	309.54	388	5 26 69
1540	7344	-3.72	9		310.08	388	
1540	2427	-22.69	10		289.49	388	
1540	10077	27.81	10			388	
1540	1009	9.98	10		324.95	388	
10077	7344	-31.37	10	1.09786		389	6 2 69

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2427	7344	18,68	10		309,55	389	
1540	1003	9,74	10		324,81	389	
10077	7344	-30,85	8	1.10918	310,09	390	6 9 69
1540	7344	-3,67	9		310,05	390	
1540	10077	27,25	10			390	
1540	2427	-22,14	10		289,56	390	
1540	1005	9,82	10		325,01	390	
1540	6060	2,26	10		316,63	390	
10077	18208	-31,61	10	1.09744		391	6 16 69
2427	18208	18,62	10		309,47	391	
1540	6060	2,45	10		316,81	391	
2427	18208	18,57	10	1.10424	309,55	392	6 25 69
1540	18208	-4,00	9		309,70	392	
1540	2427	-22,43	10		289,35	392	
1540	10077	27,34	10			392	
1540	6060	2,52	10		316,90	392	
10077	18208	-31,63	10	1.09674		393	7 7 69
2427	18208	18,49	10		309,32	393	
1540	6060	2,55	10		316,92	393	
10077	18208	-31,52	10	1.09906	309,67	394	7 14 69

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
1540	18208	-3.98	9		309.75	394	
1540	10077	27.39	8			394	
1540	2427	-22.39	10		289.51	394	
1540	6060	2.47	10		316.83	394	
1540	3759	6.88	10		321.68	394	
10077	18208	-31.79	10	1.09122		395	7 22 69
2427	18208	18.56	10		309.29	395	
1540	3759	7.00	10		321.76	395	
2427	18208	18.53	10	1.09782	309.38	396	7 31 69
1540	18208	-3.96	9		309.78	396	
1540	2427	-22.51	10		289.41	396	
1540	10077	27.50	10			396	
1540	3759	6.97	10		321.77	396	
10077	18208	-31.52	10	1.10057		397	8 11 69
2427	18208	18.47	10		309.57	397	
1540	3759	6.84	10		321.65	397	
10077	18208	-31.52	10	1.10018	309.63	398	8 20 69
1540	18208	-4.00	9		309.72	398	
1540	10077	27.37	10			398	
1540	2427	-22.51	10		289.35	398	
1540	3759	7.01	10		321.83	398	
1540	4290	7.13	10		321.96	398	

TABLE 1. REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
4278	18208	-26.11	10	1.11298		399	8 29 69
2427	18208	18.51	10		309.64	399	
1540	4290	7.20	10		322.13	399	
2427	18208	18.50	10	1.09059	309.22	400	9 10 69
1540	18208	-4.08	9		309.67	400	
1540	2427	-22.58	10		289.49	400	
1540	4278	22.52	10			400	
1540	4290	7.18	10		321.95	400	
4278	18208	-26.53	10	1.09536		401	9 17 69
2427	18208	18.42	10		309.22	401	
1540	4290	7.20	10		322.01	401	
4278	18208	-26.36	10	1.09817	309.73	402	9 24 69
1540	18208	-3.87	9		309.87	402	
1540	4278	22.25	10			402	
1540	2427	-22.24	10		289.70	402	
1540	4290	7.19	10		322.02	402	
1540	2418	5.02	10		319.63	402	
4278	18208	-26.29	10	1.10536		403	10 1 69
2427	18208	18.30	10		309.27	403	
1540	2418	5.01	10		319.66	403	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2427	18208	18.80	10	1.11182	309.94	404	10 8 69
1540	18208	-3.82	10		309.87	404	
1540	2427	-22.02	10		289.64	404	
1540	4278	22.09	10		404	404	
1540	2418	4.95	10		319.62	404	
4278	18208	-26.28	10	1.10578		405	10 17 69
2427	18208	18.30	10		309.28	405	
1540	2418	5.08	10		319.74	405	
2427	18208	18.27	9	1.10283	309.19	406	10 27 69
1540	18208	-4.01	10		309.70	406	
1540	2427	-22.30	10		289.53	406	
1540	4278	22.27	10		406	406	
1540	2418	5.01	10		319.65	406	
1540	4292	9.20	10		324.27	406	
4278	18208	-26.17	10	1.11043		407	11 7 69
2427	18208	18.28	10		309.34	407	
1540	4292	9.37	10		324.52	407	
4278	18208	-26.61	10	1.09571	309.52	408	11 14 69
1540	18208	-4.04	9		309.69	408	
1540	4278	22.28	10		408	408	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
1540	2427	-22.22	10		289.77	408	
1540	4292	9.20	10		324.20	408	
4278	18203	-26.44	10	1.09909		409	11 21 69
2427	18203	18.50	10		309.57	409	
1540	4292	9.42	10		324.47	409	
4278	18203	-26.19	10	1.10030	309.86	410	12 1 69
1540	18203	-3.79	9		309.95	410	
1540	4273	22.25	10			410	
1540	2427	-22.20	10		289.69	410	
1540	4292	9.22	10		324.26	410	
1540	4277	5.46	10		320.13	410	
4278	18203	-26.21	10	1.10874		411	12 10 69
2427	18203	18.31	10		309.54	411	
1540	4277	5.59	10		320.52	411	
2427	18203	18.13	10	1.11131	309.19	412	12 17 69
1540	18203	-3.87	9		309.82	412	
1540	2427	-21.89	10		289.79	412	
1540	4273	22.10	10			412	
1540	4277	5.52	10		320.25	412	
4278	18203	-25.87	10	1.12331		413	12 29 69

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2427	18208	17,97	10		309,23	413	
1540	4277	5,53	10		320,33	413	
4278	18208	-25,75	10	1,11985	309,84	414	1 5 70
1540	18208	-3,72	5		309,95	414	
1540	4278	21,85	6			414	
1540	2427	-21,70	6		289,82	414	
1540	4277	5,64	10		320,44	414	
1540	11080	10,17	10		325,51	414	
4278	18208	-26,24	10	1,10747		415	1 14 70
2427	18208	18,18	10		309,17	415	
1540	11080	10,22	10		325,44	415	
2427	18208	18,22	10	1,12197	309,48	416	1 21 70
1540	18208	-4,00	10		309,63	416	
1540	2427	-22,18	10		289,23	416	
1540	4278	21,89	10			416	
1540	11080	10,19	10		325,55	416	
4278	7344	-25,72	10	1,12131		417	1 28 70
2427	7344	18,54	10		309,83	417	
1540	11080	10,20	10		325,56	417	
4278	7344	-25,71	10	1,12072	309,87	418	2 4 70

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
1540	7344	-3,64	8		310,04	418	
1540	4278	21,79	10			418	
1540	2427	-21,62	10		289,89	418	
1540	11080	10,15	10		325,50	418	
1540	3758	8,06	10		323,15	418	
4278	7344	-25,04	10	1.15176		419	2 16 70
2427	7344	17,65	10		309,37	419	
1540	3758	7,86	10		323,17	419	
2427	7344	18,09	10	1.13546	309,58	420	2 24 70
1540	7344	-3,64	10		309,99	420	
1540	2427	-21,62	10		289,57	420	
1540	4278	21,63	10			420	
1540	3758	7,99	10		323,19	420	
4278	7344	-25,58	10	1.12744		421	3 2 70
2427	7344	18,19	10		309,55	421	
1540	3758	8,12	10		323,27	421	
10077	7344	-30,16	9	1.14293	309,78	422	3 9 70
1540	7344	-3,60	9		310,01	422	
1540	10077	26,19	10			422	
1540	2427	-21,52	10		289,52	422	
1540	3758	7,85	10		323,09	422	
1540	11089	8,05	10		323,32	422	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
10077	7344	+30.11	10	1.14281		423	3 15 70
2427	7344	17.96	10		309.56	423	
1540	11089	8.21	10		323.50	423	
2427	7344	17.91	10	1.14912	309.62	424	3 27 70
1540	7344	-3.60	10		309.98	424	
1540	2427	-21.45	10		289.47	424	
1540	10077	26.22	10			424	
1540	11089	8.09	10		323.42	424	
10077	7344	+30.46	10	1.12968		425	4 3 70
2427	7344	18.35	10		309.77	425	
1540	11089	8.18	10		323.36	425	
10077	7344	+30.21	10	1.13837	309.86	426	4 13 70
1540	7344	-3.64	9		309.97	426	
1540	10077	26.38	10			426	
1540	2427	-21.56	10		289.58	426	
1540	11089	8.23	10		323.49	426	
1540	11083	8.38	10		323.66	426	
10077	7344	+30.59	10	1.12488		427	4 20 70
2427	7344	18.49	10		309.84	427	
1540	11083	8.64	10		323.84	427	

TABLE 1. REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8	
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS	
2427	7344	18.06	10	1.14215	309.67	428	4 27 70	
1540	7344	-3.59	9		310.02	428		
1540	2427	-21.57	10		289.48	428		
1540	10077	26.38	10			428		
1540	11083	8.40	10		323.71	428		
10077	7344	-30.43	10		1.13079			429
2427	7344	18.19	10	309.61		429		
1540	11083	8.50	10	323.73		429		
10077	7344	-30.47	10	1.12821	309.87	430	5 11 70	
1540	7344	-3.60	9		310.06	430		
1540	10077	26.56	10			430		
1540	2427	-21.74	10		289.59	430		
1540	11083	8.40	10		323.60	430		
1540	2425	9.13	10		324.42	430		
10077	7344	-30.29	10	1.13602		431	5 18 70	
2427	7344	18.25	10		309.77			431
1540	2425	9.25	10		324.63			431
2427	7344	18.03	10	1.14694	309.72	432	5 27 70	
1540	7344	-3.60	9		309.99	432		
1540	2427	-21.52	10		289.44	432		

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
1540	10077	26,27	10			432	
1540	2425	9,02	10		324,47	432	
10077	7344	-30,13	10	1.14205		433	6 5 70
2427	7344	17,94	10		309,53	433	
1540	2425	9,18	10		324,60	433	
10077	7344	-29,87	10	1.14740	309,98	434	6 12 70
1540	7344	-3,58	9		310,01	434	
1540	10077	26,23	10			434	
1540	2427	-21,38	9		289,59	434	
1540	2425	9,13	10		324,60	434	
1540	3752	5,32	10		320,22	434	
10077	7344	-30,25	10	1.13752		435	6 22 70
2427	7344	17,92	10		309,42	435	
1540	3752	5,35	10		320,21	435	
2427	7344	18,05	10	1.14868	309,77	436	6 29 70
1540	7344	-3,52	9		310,07	436	
1540	2427	-21,42	10		289,52	436	
1540	10077	26,23	10			436	
1540	3752	5,31	10		320,22	436	
10077	7344	-29,44	10	1.16882		437	7 6 70

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO, OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2427	7344	17,51	10		309,51	437	
1540	3752	5,27	10		320,28	437	
10077	7344	-30,11	10	1.14362	309,82	438	7 13 70
1540	7344	-3,62	9		309,98	438	
1540	10077	26,22	10			438	
1540	2427	-21,39	10		289,66	438	
1540	3752	5,32	10		320,20	438	
1540	6081	6,73	10		321,82	438	
10077	7344	-29,55	10	1.16447		439	7 24 70
2427	7344	17,60	10		309,53	439	
1540	6081	6,65	10		321,86	439	
2427	7344	17,84	10	1.16287	309,79	440	7 31 70
1540	7344	-3,60	9		309,93	440	
1540	2427	-21,30	10		289,55	440	
1540	10077	25,91	10			440	
1540	6081	6,63	10		321,83	440	
10077	18208	-30,17	10	1.14783		441	8 7 70
2427	18208	17,60	10		309,24	441	
1540	6081	6,77	10		321,89	441	
10077	18208	-29,76	10	1.16419	309,60	442	8 14 70

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
1540	18208	-3,74	9		309,76	442	
1540	10077	25,76	10			442	
1540	2427	-21,20	10		289,44	442	
1540	6081	6,70	10		321,92	442	
1540	6060	6,68	10		321,90	442	
10077	18208	-30,08	10	1.15126		443	8 24 70
2427	18208	17,58	10		309,28	443	
1540	6060	6,86	10		322,02	443	
2427	18208	17,59	10	1.15000	309,27	444	8 31 70
1540	18208	-3,72	9		309,84	444	
1540	2427	-21,50	10		289,39	444	
1540	10077	26,20	10			444	
1540	6060	6,87	10		322,02	444	
10077	18208	-29,73	10	1.16482		445	9 11 70
2427	18208	17,44	10		309,35	445	
1540	6060	6,89	10		322,15	445	
4278	18208	-24,90	10	1.16811	309,59	446	9 18 70
1540	18208	-4,03	9		309,41	446	
1540	4278	21,17	10			446	
1540	2427	-21,24	10		289,31	446	
1540	6060	6,82	10		322,09	446	
1540	3755	7,51	10		322,89	446	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO,	COMPARED TANK NO,	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
4278	18208	-24.76	10	1.17367		447	9 29 70
2427	18208	17.41	10		309.47	447	
1540	3756	7.48	10		322.90	447	
2427	18208	17.37	10	1.18877	309.69	448	10 5 70
1540	18208	-3.69	9		309.73	448	
1540	2427	-21.07	10		289.07	448	
1540	4278	20.66	10			448	
1540	3756	7.49	10		323.02	448	
4278	18208	-24.98	10	1.16333		449	10 16 70
2427	18208	17.46	10		309.35	449	
1540	3756	7.53	10		322.88	449	
4278	18208	-24.77	10	1.16914	309.72	450	10 23 70
1540	18208	-3.72	9		309.77	450	
1540	4278	20.97	10			450	
1540	2427	-21.10	10		289.45	450	
1540	3756	7.47	10		322.85	450	
1540	4285	8.64	10		324.22	450	
4278	18208	-24.70	10	1.17652		451	11 2 70
2427	18208	17.20	10		309.28	451	
1540	4285	8.65	10		324.30	451	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2427	18203	17.40	10	1.17064	309.41	452	11 9 70
1540	18203	-3.82	9		309.65	452	
1540	2427	-21.06	10		289.47	452	
1540	4273	20.98	10			452	
1540	4285	8.72	10		324.33	452	
4278	18203	-24.71	10	1.17604		453	11 16 70
2427	18203	17.25	10		309.33	453	
1540	4285	8.72	10		324.38	453	
4278	18203	-25.76	10	1.12979	309.58	454	11 23 70
1540	18203	-3.96	9		309.65	454	
1540	4273	21.68	10			454	
1540	2427	-21.80	10		289.49	454	
1540	4285	9.04	10		324.33	454	
1540	135	9.27	10		324.59	454	
4278	18203	-25.47	10	1.14095		455	11 30 70
2427	18203	17.78	10		309.33	455	
1540	135	9.27	10		324.70	455	
2427	18203	18.07	10	1.13599	309.57	456	12 8 70
1540	18203	-3.98	9		309.60	456	
1540	2427	-21.93	10		289.21	456	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
1540	4278	21,62	10			456	
1540	135	9,35	10		324,74	456	
4278	18208	-24,55	10	1.18371		457	12 18 70
2427	18208	17,01	10		309,17	457	
1540	135	9,00	10		324,77	457	
4278	18208	-24,61	10	1.18110	309,61	458	12 21 70
1540	18208	-3,73	9		309,71	458	
1540	4278	20,72	10			458	
1540	2427	-20,79	10		289,56	458	
1540	135	8,94	10		324,68	458	
1540	11075	4,69	10		319,66	458	
4278	18208	-27,00	10	1.07630		459	12 29 70
2427	18208	18,68	10		309,15	459	
2423	11075	6,57	10		319,92	459	
2427	18208	17,98	10	1.13339	309,42	460	1 4 71
2423	18208	-2,94	9		309,51	460	
2423	2427	-20,99	10		289,06	460	
2423	4278	22,79	10			460	
2423	11075	6,24	10		319,92	460	
4278	7344	-25,60	10	1.12656		461	1 11 71

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.,	COMPARED TANK NO.,	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2427	7344	18,24	10		309,59	461	
2423	11075	6,36	10		320,01	461	
4278	7344	-25,74	10	1.12213	309,80	462	1 18 71
2423	7344	-2,68	9		309,84	462	
2423	4278	22,98	10			462	
2423	2427	-21,17	10		289,09	462	
2423	11075	6,30	10		319,92	462	
2423	4275	12,00	10		326,52	462	
4278	7344	-25,56	10	1.12833		463	1 25 71
2427	7344	18,21	10		309,59	463	
2423	4275	12,21	10		326,63	463	
2427	7344	18,31	10	1.13538	309,83	464	2 1 71
2423	7344	-2,83	9		309,63	464	
2423	2427	-21,03	10		288,97	464	
2423	4278	22,75	10			464	
2423	4275	12,24	10		326,75	464	
4278	7344	-25,46	10	1.13276		465	2 8 71
2427	7344	17,99	10		309,42	465	
2423	4275	12,16	10		326,62	465	
4278	7344	-25,37	10	1.13886	309,79	466	2 15 71

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
2423	7344	-2,62	9		309,86	466	
2423	4273	22,62	10			466	
2423	2427	-20,77	10		289,20	466	
2423	4276	12,20	10		326,74	466	
2423	7362	8,66	10		322,71	466	
4278	7344	-25,06	10	1.15084		467	2 26 71
4271	7344	21,60	10		309,98	467	
2423	7362	8,55	10		322,69	467	
4271	7344	21,74	10	1.13839	309,87	468	3 5 71
2423	7344	-2,73	9		309,69	468	
2423	4271	-24,49	10		284,97	468	
2423	4273	22,69	10			468	
2423	7362	8,61	10		322,65	468	
4278	7344	-25,25	10	1.14218		469	3 12 71
4271	7344	21,72	10		309,93	469	
2423	7362	8,64	10		322,72	469	
4278	7344	-25,12	10	1.14993	309,79	470	3 19 71
2423	7344	-2,64	9		309,81	470	
2423	4273	22,45	10			470	
2423	4271	-24,31	10		284,90	470	
2423	7362	8,64	10		322,79	470	
2423	1003	7,79	10		321,81	470	

TABLE 1, REFERENCE GAS COMPARISONS AT MALNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
3754	7344	-26.92	10	1.14710		471	3 29 71
4271	7344	21.52	10		309.81	471	
2423	1008	8.01	10		322.04	471	
4271	7344	21.68	10	1.14081	309.85	472	4 5 71
2423	7344	-2.72	9		309.74	472	
2423	4271	-24.38	10		285.04	472	
2423	3754	24.43	10			472	
2423	1008	8.06	10		322.04	472	
3754	7344	-27.28	10	1.13196		473	4 12 71
4271	7344	21.66	10		309.64	473	
2423	1008	8.31	10		322.26	473	
3754	7344	-27.20	10	1.13902	309.74	474	4 16 71
2423	7344	-2.70	9		309.77	474	
2423	3754	24.44	10			474	
2423	4271	-24.52	10		284.92	474	
2423	1008	8.28	10		322.28	474	
2423	11082	8.76	10		322.83	474	
3754	7344	-26.95	10	1.14583		475	4 23 71
4271	7344	21.60	10		309.87	475	
2423	11082	8.60	10		322.70	475	

TABLE 1, REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
4271	7344	21.64	10	1.14456	309.89	476	4 30 71
2423	7344	-2.60	9		309.87	476	
2423	4271	-24.56	10		284.74	476	
2423	3754	24.35	10			476	
2423	11082	8.81	10		322.93	476	

TABLE 2. Recorder Scale Factors of Analyser No. 58

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	11083	-39.870	10				6-1-64
2403	11083	3.640	10				
2403	10077	43.510*	10*	36.00	.82740		
2403	10077	43.940	10	36.00	.81930		
			20			.82335	
10077	11083	-40.630	10				6-23-64
2403	11083	3.800	10				
2403	10077	44.430*	10*	36.00	.81026		
2403	10077	44.660	10	36.00	.80609		
			20			.80818	
10077	11083	-40.500	10				7-7-64
2403	11083	3.760	10				
2403	10077	44.260*	10*	36.00	.81338		
2403	10077	44.322	9	36.00	.81224		
			19			.81284	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	11083	-40.417	12				7-17-64
2403	11083	3.736	11				
2403	10077	44.153*	11*	36.00	.81535		
2403	10077	44.442	12	36.00	.81004	.81258	
10077	11083	-40.700	10				7-30-64
2403	11083	3.670	10				
2403	10077	44.370*	10*	36.00	.81136		
2403	10077	44.209	11	36.00	.81431	.81291	
10077	11083	-40.958	12 12	-32.86	.80229	.80229	8-7-64

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	11083	-41.582	11				8-13-64
2403	11083	3.810	10				
2403	10077	45.392*	10*	36.00	.79309		
2403	10077	45.240	10	36.00	.79576		
			20			.79442	
10077	11083	-41.400	10				8-18-64
2403	11083	3.600	10				
2403	10077	45.000*	10*	36.00	.8000		
2403	10077	45.130	10	36.00	.79770		
			20			.79885	
2403	10077	45.130	10	36.00	.79770		8-24-64
			10			.79770	
10077	11083	-41.930	10	-32.86	.78369		8-29-64
			10			.78369	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Comparisons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	11083	-41.810	10				9-4-64
2403	11083	3.700	10				
2403	10077	45.510*	10*	36.00	.79103		
2403	10077	44.990	10	36.00	.80018		
			20			.79560	
10077	11083	-42.160	10	-32.86	.77941		9-13-64
			10			.77941	
10077	11083	-18.070	10				9-23-64
2403	11083	1.430	10				
2403	10077	19.500*	10*	36.00	1.84615		
2403	10077	19.420	10	36.00	1.85376		
			20			1.84996	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	11083	-11.660	5				10-1-64
2403	11083	1.020	5				
2403	10077	12.680*	5*	36.00	2.83912		
2403	10077	12.640	5	36.00	2.84810		
			10			2.84361	
10077	11083	-11.455	11	-32.86	2.86862		10-2-64
			11			2.86862	
10077	11083	-12.950	10				10-9-64
2403	11083	.950	10				
2403	10077	13.900*	10*	36.00	2.58993		
2403	10077	13.010	10	36.00	2.76710		
			20			2.67852	
10077	11083	-11.370	10	-32.86	2.89006		10-18-64
			10			2.89006	
10077	11083	-41.392	12	-32.86	.79387		10-23-64
			12			.79387	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
2403	10077	43.280	10 10	36.00	.83179	.83179	10-24-64
35Y 10077	11083	-31.525	8 8	-32.86	1.04235	1.04235	10-30-64
75V 10077	11083	-36.900	8 8	-32.86	.89051	.89051	10-30-64
10077	11083	-37.220	10 10	-32.86	.88286	.88286	11-1-64
10077	11083	-36.927	11				11-7-64
2403	11083	3.320	10				
2403	10077	40.247*	10*	36.00	.89448		
2403	10077	40.080	10 20	36.00	.89820	.89634	
10077	11083	-36.770	10 10	-32.86	.89366	.89366	11-15-64

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
2403	10077	39.820	10 10	36.00	.90407	.90407	11-21-64
10077	11083	-36.440	10 10	-32.86	.90176	.90176	11-26-64
10077	11083	-36.470	10				12-2-64
2403	11083	3.100	10				
2403	10077	39.570*	10*	36.00	.90978		
2403	10077	39.470	10 20	36.00	.91209	.91094	
2403	10077	39.540	10 10	36.00	.91047	.91047	12-11-64
10077	11083	-36.340	10 10	-32.86	.90424	.90424	12-17-64

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	11083	-36.240	10				12-23-64
2403	11083	3.010	10				
2403	10077	39.250*	10*	36.00	.91720		
2403	10077	39.450	10	36.00	.91255		
			20			.91488	
10077	11083	-35.990	10	-32.86	.91303		1-2-65
			10			.91303	
2403	10077	38.860	10	36.00	.92640		1-8-65
			10			.92640	
10077	11083	-35.950	10	-32.86	.91405		1-13-65
			10			.91405	
10077	11083	-35.460	10				
2403	11083	3.230	10				1-20-65
2403	10077	38.690*	10*	36.00	.93047		
2403	10077	38.520	10	36.00	.93458		
			20			.93252	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	11083	-35.420	10 10	-32.86	.92772	.92772	1-29-65
2403	10077	38.260	10 10	36.00	.94093	.94093	2-4-65
10077	11083	-35.250	10 10	-32.86	.93220	.93220	2-10-65
10077	11083	-35.480	10				2-17-65
2403	11083	2.920	10				
2403	10077	38.400*	10*	36.00	.93750		
2403	10077	38.460	10 20	36.00	.93604	.93677	
2403	10077	38.300	10 10	36.00	.93995	.93995	3-4-65

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Comparisons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	11083	-34.80	10				3-15-65
136	11083	3.990	10				
136	10077	38.790*	10*	36.69	.94586		
136	10077	38.680	10	36.69	.94855		
			20			.94720	
10077	11083	-34.970	10	-32.86	.93966		3-25-65
			10			.93966	
136	10077	38.690	10	36.69	.94831		3-31-65
			10			.94831	
10077	11083	-34.890	10	-32.86	.94182		4-6-65
			10			.94182	
10077	11083	-34.690	10				4-12-65
136	11083	3.840	10				
136	10077	38.530*	10*	36.69	.95225		
136	10077	38.440	10	36.69	.95447		
			20			.95336	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	11083	-34.780	10 10	-32.86	.94480	.94480	4-23-65
136	10077	38.370	10 10	36.69	.95622	.95622	4-29-65
10077	11083	-34.410	10 10	-32.86	.95495	.95495	5-5-65
10077	11083	-33.390	10				5-12-65
136	11083	3.810	10				
136	10077	37.200*	10*	36.69	.98629		
136	10077	37.430	10 20	36.69	.98023	.98326	
10077	11083	-33.210	10 10	-32.86	.98946	.98946	5-24-65
136	10077	36.460	10 10	36.69	1.00631	1.00631	6-1-65

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
3751	11083	-28.500	10 10	-27.85	.97719	.97719	6-9-65
3751	11083	-28.990	10				6-19-65
136	11083	4.220	10				
136	3751	33.210*	10*	31.68	.95393		
136	3751	33.670	10 20	31.68	.94090	.94742	
3751	11083	-30.710	10 10	-27.85	.90687	.90687	6-29-65
136	3751	34.544	9 9	31.68	.91709	.91709	7-7-65
3751	11083	-30.756	9 9	-27.85	.90551	.90551	7-14-65

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
3751	11083	-30.510	10				7-21-65
136	11083	4.020	10				
136	3751	34.530*	10*	31.68	.91746		
136	3751	34.633	9	31.68	.91473		
			19			.91617	
3751	11083	-30.170	10	-27.85	.92310		7-27-65
			10			.92310	
136	3751	34.260	10	31.68	.92469		8-6-65
			10			.92469	
3751	11083	-30.280	10	-27.85	.91975		8-14-65
			10			.91975	
3751	11083	-30.362	8				
136	11083	3.711	9				8-22-65
136	3751	34.073*	9*	31.68	.92977		
136	3751	34.467	6	31.68	.91914		
			15			.92552	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
3751	11083	-29.580	10 10	-27.85	.94151	.94151	9-6-65
136	3751	33.440	10 10	31.68	.94737	.94737	9-14-65
3751	11083	-30.000	10 10	-27.85	.92833	.92833	9-24-65
3751	11083	-29.750	10				
136	11083	4.040	10				10-4-65
136	3751	33.790*	10*	31.68	.93756		
136	3751	34.100	9 19	31.68	.92903	.93352	
3751	11083	-29.600	10 10	-27.85	.94088	.94088	10-18-65
136	3751	33.680	10 10	31.68	.94062	.94062	10-26-65

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
3751	11083	-29.630	10 10	-27.85	.93993	.93993	11-3-65
3751	11083	-29.530	10				
136	11083	3.840	10				
136	3751	33.370*	10*	31.68	.94936		11-12-65
136	3751	33.330	10 20	31.68	.95050	.94993	
3751	11083	-29.660	10 10	-27.85	.93898	.93898	11-18-65
3751	11083	-29.210	10				11-26-65
136	11083	4.190	10				
136	3751	33.400*	10*	31.68	.94850		
136	3751	33.420	10 20	31.68	.94794	.94822	
3751	11083	-29.540	10 10	-27.85	.94279	.94279	12-10-65

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
136	3751	34.178	9 9	31.68	.92691	.92691	12-15-65
3751	11083	- 29.340	10 10	-27.85	.94922	.94922	12-25-65
3751	11083	- 29.630	10				1-5-66
136	11083	3.880	10				
136	3751	33.510*	10*	31.68	.94539		
136	3751	33.530	10 20	31.68	.94483	.94511	
3751	11083	- 30.260	10 10	-27.85	.92036	.92036	1-17-66
136	3751	34.340	10 10	31.68	.92254	.92254	1-23-66
3751	11083	- 30.350	10 10	-27.85	.91763	.91763	2-1-66

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-38.440	10				2-10-66
136	11085	7.110	10				
136	1008	45.550*	10*	41.82	.91811		
136	1008	45.475	8	41.82	.91963		
			18			.91879	
1008	11085	-39.670	10	-35.48	.89438		2-21-66
			10			.89438	
136	1008	46.713	8	41.82	.89525		2-28-66
			8			.89525	
1008	11085	-39.640	10	-35.48	.89506		3-5-66
			10			.89506	
1008	11085	-39.650	10				
136	11085	7.300	10				3-10-66
136	1008	46.950*	10*	41.82	.89073		
136	1008	47.180	10	41.82	.88639		
			20			.88856	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ..	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-39.590	10 10	-35.48	.89619	.89619	3-22-66
136	1008	47.330	10 10	41.82	.88358	.88358	3-28-66
1008	11085	-40.150	10 10	-35.48	.88369	.88369	4-6-66
1008	11085	-39.822	9				4-10-66
136	11085	7.333	9				
136	1008	47.155*	9*	41.82	.88686		
136	1008	47.420	10 19	41.82	.88191	.88425	
1008	11085	-40.560	10 10	-35.48	.87475	.87475	4-22-66
136	1008	47.720	10	41.82	.87636	.87636	4-29-66

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-40.756	9 9	-35.48	.87055	.87055	5-5-66
1008	11085	-40.730	10				5-10-66
136	11085	7.430	10				
136	1008	48.160*	10*	41.82	.86836		
136	1008	48.040	10 20	41.82	.87052	.86945	
1008	11085	-41.050	10 10	-35.48	.86431	.86431	5-18-66
136	1008	49.580	10 10	41.82	.84349	.84349	5-24-66
1008	11085	-41.800	10 10	-35.48	.84880	.84880	5-30-66

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-41.870	10				6-4-66
136	11085	7.590	10				
136	1008	49.460*	10*	41.82	.84553		
136	1008	49.380	10	41.82	.84690		
			20			.84622	
1008	11085	-41.470	10	-35.48	.85556		6-12-66
			10			.85556	
6078	1008	48.830	10	41.58	.85153		6-17-66
			10			.85153	
1008	11085	-41.780	10	-35.48	.84921		6-22-66
			10			.84921	
1008	11085	-41.840	10				6-28-66
6078	11085	7.240	10				
6078	1008	49.080*	10*	41.58	.84719		
6078	1008	49.010	10	41.58	.84840		
			20			.84780	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-41.690	10 10	-35.48	.85104	.85104	7-7-66
6078	1008	50.470	10 10	41.58	.82386	.82386	8-4-66
1008	11085	-43.690	10 10	-35.48	.81209	.81209	8-9-66
1008	11085	-43.480	10				8-13-66
6078	11085	7.590	10				
6078	1008	51.070*	10*	41.58	.81418		
6078	1008	50.880	10 20	41.58	.81722	.81570	
1008	11085	-43.170	10 10	-35.48	.82187	.82187	8-21-66
6087	1008	36.940	10 10	41.58	1.12561	1.12561	8-27-66

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-30.810	10 10	-35.48	1.15157	1.15157	8-31-66
1008	11085	-30.690	10				9-6-66
6078	11085	5.240	10				
6078	1008	35.930*	10*	41.58	1.15725		
6078	1008	35.730	10 20	41.58	1.16373	1.16049	
1008	11085	-30.200	10 10	-35.48	1.17483	1.17483	9-14-66
6078	1008	35.190	10 10	41.58	1.18159	1.18159	9-20-66
1008	11085	-30.650	10 10	-35.48	1.15759	1.15759	9-25-66

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Comparisons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-30.970	10				10-2-66
6078	11085	5.220	10				
6078	1008	36.190*	10*	41.58	1.14894		
6078	1008	36.140	10	41.58	1.15053		
			20			1.14974	
1008	11085	-30.630	10	-35.48	1.15834		10-11-66
			10			1.15834	
6078	1008	36.470	10	41.58	1.14012		10-19-66
			10			1.14012	
1008	11085	-31.430	10	-35.48	1.12886		10-26-66
			10			1.12886	
1008	11085	-30.740	10				
6078	11085	5.220	10				
6078	1008	35.960*	10*	41.58	1.15628		11-2-66
6078	1008	36.180	10	41.58	1.14925		
			20			1.15276	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-31.080	10				11-12-66
6078	11085	5.440	10				
6078	1008	36.520*	10*	41.58	1.13855		
6078	1008	36.460	10	41.58	1.14043		
			20			1.13949	
1008	11085	-32.010	10	-35.48	1.10840		11-20-66
			10			1.10840	
6078	1008	37.250	10	41.58	1.11624		11-25-66
			10			1.11624	
1008	11085	-31.650	10	-35.48	1.12101		11-30-66
			10			1.12101	
1008	11085	-31.940	10				12-4-66
6078	11085	5.540	10				
6078	1008*	37.480*	10*	41.58	1.10939		
6078	1008	37.380	10	41.58	1.11236		
			20			1.11088	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Comparisons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-31.630	10 10	-35.48	1.12172	1.12172	12-14-66
6078	1008	37.190	10 10	41.58	1.11804	1.11804	12-21-66
1008	11085	-31.570	10 10	-35.48	1.12385	1.12385	12-27-66
1008	11085	-31.830	10				1-1-67
6078	11085	5.360	10				
6078	1008	37.190*	10*	41.58	1.11804		
6078	1008	37.240	10 20	41.58	1.11654	1.11729	
1008	11085	-32.390	10 10	-35.48	1.09540	1.09540	1-11-67
6078	1008	40.000	10 10	41.58	1.03950	1.03950	2-3-67

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-33.620	10 10	-35.48	1.05532	1.05532	2-8-67
1008	11085	-33.670	10				2-14-67
6078	11085	6.000	10				
6078	1008	39.670*	10*	41.58	1.04815		
6078	1008	39.760	10 20	41.58	1.04577	1.04696	
1008	11085	-33.860	10 10	-35.48	1.04784	1.04784	2-21-67
6078	1008	40.650	10 10	41.58	1.02288	1.02288	3-1-67
1008	11085	-34.430	10 10	-35.48	1.03050	1.03050	3-8-67

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-33 140	10				3-15-67
6078	11085	5.650	10				
6078	1008	38.790*	10*	41.58	1.07193		
6078	1008	39.280	10	41.58	1.05855		
			20			1.06524	
6078	1008	41.470	10	41.58	1.00265		3-31-67
			10			1.00265	
1008	11085	-35 090	10	-35.48	1.01111		4-7-67
			10			1.01111	
1008	11085	-35.170	10				
6078	11085	6.020	10				
6078	1008	41.190*	10*	41.58	1.00947		4-12-67
6078	1008	40.940	10	41.58	1.01563		
			20			1.01255	
1008	11085	-36.640	10	-35.48	.96834		4-23-67
			10			.96834	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
6078	1008	43.360	10 10	41.58	.95895	.95895	4-30-67
1008	11085	-37.680	10 10	-35.48	.94161	.94161	5-12-67
1008	11085	-38.620	10				5-17-67
6078	11085	6.590	10				
6078	1008	45.210*	10*	41.58	.91971		
6078	1008	44.950	10 20	41.58	.92503	.92237	
1008	11085	-37.820	10 10	-35.48	.93813	.93813	5-27-67
6078	1008	43.530	10 10	41.58	.95520	.95520	6-3-67
1008	11085	-36.630	10 10	-35.48	.96860	.96860	6-7-67

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8 .
(Sub) Standard Tank No	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1008	11085	-37.000	10				6-14-67
6078	11085	6.270	10				
6078	1008	43.270*	10*	41.58	.96094		
6078	1008	43.730	10	41.58	.95083		
			20			.95588	
3751	11085	-27.910	10	-25.34	.90792		6-24-67
			10			.90792	
6078	3751	33.350	10	31.44	.94273		6-30-67
			10			.94273	
3751	11085	-26.160	10	-25.34	.96865		7-5-67
			10			.96865	
3751	11085	-27.140	10				7-11-67
6078	11085	6.610	10				
6078	3751	33.750*	10*	31.44	.93156		
6078	3751	33.860	10	31.44	.92853		
			20			.93004	
6078	3751	32.980	10	31.44	.95331		7-25-67
			10			.95331	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
3751	11085	-26.000	10	-25.34	.97462		7-30-67
			10			.97462	
3751	11085	-26.420	10				8-4-67
6078	11085	6.460	10				
6078	3751	32.880*	10*	31.44	.95620		
6078	3751	33.230	10	31.44	.94613		
			20			.95116	
3751	11085	-26.750	10	-25.34	.94729		8-11-67
			10			.94729	
6078	3751	33.290	10	31.44	.94443		8-18-67
			10			.94443	
3751	11085	-26.380	10	-25.34	.96058		8-25-67
			10			.96058	
3751	11085	-26.650	10				8-27-67
6078	11085	6.400	10				
6078	3751	33.050*	10*	31.44	.95129		
6078	3751	33.230	10	31.44	.94613		
			20			.94871	
3751	11085	23.310	10	25.34	.96313		9-5-67
			10			.96313	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
6078	3751	32.440	10	31.44	.96917		9-9-67
			10			.96917	
3751	11085	-26.010	10	-25.34	.97424		9-17-67
			10			.97424	
3751	11085	-26.200	10				9-24-67
6078	11085	6.440	10				
6078	3751	32.640*	10*	31.44	.96324		
6078	3751	32.740	10	31.44	.96029		
						.96176	
3751	11085	-26.900	10	-25.34	.94201		10-3-67
			10			.94201	
6078	3751	33.890	10	31.44	.92771		10-7-67
			10			.92771	
3751	11085	-27.417	6	-25.34	.92424		10-12-67
			6			.92424	
3751	11085	-27.275	8				10-18-67
6078	11085	6.800	7				
6078	3751	34.075*	7*	31.44	.92267		
6078	3751	34.200	8	31.44	.91930		
			15			.92087	
3751	11085	-27.200	10	-25.34	.93162		10-27-67
			10			.93162	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Comparisons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
6078	3751	33.570	10	31.44	.93655		11-1-67
			10			.93655	
3751	11085	-27.830	10	-25.34	.91053		11-8-67
			10			.91053	
3751	11085	-27.470	10				11-14-67
6078	11085	6.640	10				
6078	3751	34.110*	10*	31.44	.92172		
6078	3751	34.200	10	31.44	.91930		
			20			.92051	
3751	11085	-27.660	10	-25.34	.91612		11-21-67
			10			.91612	
6078	3751	32.380	10	31.44	.97097		11-28-67
			10			.97097	
3751	11085	-26.300	10	-25.34	.96350		12-5-67
			10			.96350	
3751	11085	-26.420	10				12-10-67
6078	11085	6.480	10				
6078	3751	32.900*	10*	31.44	.95562		
6078	3751	32.910	10	31.44	.95533		
			20			.95548	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
3751	11085	-26.970	10	-25.34	.93956		12-17-67
			10			.93956	
6078	3751	35.800	10	31.44	.87821		12-24-67
			10			.87821	
3751	11085	-28.430	10	-25.34	.89131		12-30-67
			10			.89131	
3751	11085	-28.080	10				1-3-68
6078	11085	6.800	10				
6078	3751	34.800*	10*	31.44	.90138		
6078	3751	35.420	10	31.44	.88763		
			20			.89450	
3751	11085	-28.420	10	-25.34	.89163		1-9-68
			10			.89163	
6078	3751	35.070	10	31.44	.89649		1-14-68
			10			.89649	
3751	11085	-28.380	10	-25.34	.89288		1-17-68
			10			.89288	
3751	11085	-28.790	10				1-22-68
6078	11085	6.950	10				
6078	3751	-35.740*	10*	-31.44	.87969		
6078	3751	-35.730	10	-31.44	.87993		
			20			.87981	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	3756	-34.300	10	-30.13	.87843		1-27-68
			10			.87843	
3756	10077	35.340	10	30.13	.85257		2-2-68
			10			.85257	
10077	7344	-40.180	10	-34.44	.85714		2-7-68
			10			.85714	
10077	7344	-39.530	10				2-11-68
3756	7344	-4.820	10				
3756	10077	34.710*	10*	30.13	.86805		
3756	10077	35.140	10	30.13	.85743		
			20			.86274	
10077	7344	-39.610	10	-34.44	.86948		2-17-68
			10			.86948	
3756	10077	35.220	10	30.13	.85548		2-24-68
			10			.85548	
10077	7344	-41.180	10	-34.44	.83633		3-2-68
			10			.83633	
10077	7344	-41.410	10				3-6-68
3756	7344	-5.180	10				
3756	10077	36.230*	10*	30.13	.83163		
3756	10077	36.340	10	30.13	.82911		
			20			.83037	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-40.580	10	-34.44	.84869		3-13-68
			10			.84869	
3756	10077	35.980	10	30.13	.83741		3-19-68
			10			.83741	
10077	7344	-41.730	10	-34.44	.82531		3-26-68
			10			.82531	
10077	7344	-42.020	10				3-31-68
3756	7344	-5.050	10				
3756	10077	36.970*	10*	30.13	.81499		
3756	10077	36.870	10	30.13	.81720		
			10			.81610	
10077	7344	-42.020	10	-34.44	.81961		4-7-68
			10			.81961	
3756	10077	36.310	10	30.13	.82980		4-12-68
			10			.82980	
10077	7344	-41.210	10				4-24-68
3756	7344	-5.390	10				
3756	10077	35.820*	10*	30.13	.84115		
3756	10077	35.956	9	30.13	.83797		
			19			.83964	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

<u>Col. 1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-40.060	10 10	-34.44	.85971	.85971	4-30-68
3756	10077	34.660	10 10	30.13	.86930	.86930	5-4-68
10077	7344	-39.800	10 10	-34.44	.86533	.86533	5-10-68
10077	7344	-39.670	10				5-14-68
3756	7344	- 4.800	10				
3756	10077	34.870*	10*	30.13	.86407		
3756	10077	34.790	10 20	30.13	.86605	.86506	
10077	7344	-40.020	10 10	-34.44	.86057	.86057	5-22-68
3756	10077	33.889	9 9	30.13	.88908	.88908	5-29-68

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-39.550	10 10	-34.44	.87080	.87080	6-3-68
10077	7344	-38.730	10				6-7-68
3756	7344	-4.860	10				
3756	10077	33.870*	10*	30.13	.88958		
3756	10077	34.350	10 20	30.13	.87715	.88336	
10077	7344	-38.320	10 10	-34.44	.89875	.89875	6-14-68
3756	10077	33.650	10 10	30.13	.89539	.89539	6-21-68
10077	7344	-41.580	10				7-2-68
3756	7344	-5.280	10				
3756	10077	36.300*	10*	30.13	.83003		
3756	10077	36.160	10 20	30.13	.83324	.83164	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-40.850	10 10	-34.44	.84308	.84308	7-10-68
3756	10077	35.730	10 10	30.13	.84327	.84327	7-16-68
10077	7344	-41.850	10 10	-34.44	.82294	.82294	7-26-68
10077	7344	-41.830	10				8-2-68
3756	7344	-4.978	9				
3756	10077	36.852*	9*	30.13	.81759		
3756	10077	36.680	10 19	30.13	.82143	.81961	
10077	7344	-42.610	10 10	-34.44	.80826	.80826	8-13-68
3756	10077	38.278	9 9	30.13	.78714	.78714	8-21-68

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-41.600	10 10	-34.44	.82788	.82788	8-30-68
10077	7344	-42.460	10				9-6-68
3756	7344	-5.222	9				
3756	10077	37.238*	9*	30.13	.80912		
3756	10077	37.200	10 19	30.13	.80995	.80956	
10077	7344	-42.730	10 10	-34.44	.80599	.80599	9-13-68
3756	10077	37.533	9 9	30.13	.80276	.80276	9-20-68
10077	7344	-42.850	10 10	-34.44	.80373	.80373	10-2-68

*See Text

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TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-43 000	10				10-8-68
3756	7344	-5.256	9				
3756	10077	37.744*	9*	30.13	.79827		
3756	10077	37.710	10	30.13	.79899		
			19			.79865	
10077	7344	-43 780	10	-34.44	.78666		10-16-68
			10			.78666	
3756	10077	38.030	10	30.13	.79227		10-25-68
			10			.79227	
10077	7344	-43 710	10	-34.44	.78792		11-1-68
			10			.78792	
10077	7344	-43.540	10				11-8-68
3756	7344	-5.311	9				
3756	10077	38.229*	9*	30.13	.78815		
3756	10077	37.790	10	30.13	.79730		
			19			.79297	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-43.644	9 9	-34.44	.78911	.78911	11-15-68
3756	10077	37.790	10 10	30.13	.79730	.79730	11-27-68
10077	7344	-43.440	10 10	-34.44	.79282	.79282	12-6-68
10077	7344	-41.440	5				12-17-68
1540	7344	-4.583	6				
1540	10077	36.857*	6*	30.19	.81911		
1540	10077	36.883	6 12	30.19	.81853	.81882	
1540	10077	29.186	7 7	30.19	1.03440	1.03440	1-7-69
10077	7344	-31.620	10 10	-34.44	1.08918	1.08918	1-14-69

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-31.180	10				1-21-69
1540	7344	-3.600	10				
1540	10077	27.580*	10*	30.19	1.09463		
1540	10077	27.300	10	30.19	1.10586		
			20			1.10024	
10077	7344	-31.200	10	-34.44	1.10385		1-31-69
			10			1.10385	
1540	10077	27.490	10	30.19	1.09822		2-10-69
			10			1.09822	
10077	7344	-31.350	10	-34.44	1.09856		2-17-69
			10			1.09856	
10077	7344	-31.020	10				2-24-69
1540	7344	-3.622	9				
1540	10077	27.398*	9*	30.19	1.10191		
1540	10077	27.260	10	30.19	1.10748		
			19			1.10484	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Comparisons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-31.460	10 10	-34.44	1.09472	1.09472	3-5-69
1540	10077	27.722	9 9	30.19	1.08903	1.08903	3-12-69
10077	7344	-31.640	10 10	-34.44	1.08850	1.08850	3-24-69
10077	7344	-31.670	10				4-1-69
1540	7344	-3.844	9				
1540	10077	27.826*	9*	30.19	1.08496		
1540	10077	27.830	10 19	30.19	1.08480	1.08488	
10077	7344	-31.680	10 10	-34.44	1.08712	1.08712	4-9-69
1540	10077	27.640	10 10	30.19	1.09226	1.09226	4-21-69

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	- 31.530	10 10	-34.44	1.09229	1.09229	4-28-69
10077	7344	- 31.390	10				5-7-69
1540	7344	- 3.722	9				
1540	10077	27.668*	9*	30.19	1.09115		
1540	10077	27.530	10 19	30.19	1.09662	1.09403	
10077	7344	- 31.690	10 10	-34.44	1.08678	1.08678	5-15-69
1540	10077	27.810	10 10	30.19	1.08558	1.08558	5-26-69
10077	7344	- 31.370	10 10	-34.44	1.09786	1.09786	6-2-69

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-30.850	8				6-9-69
1540	7344	-3.667	9				
1540	10077	27.183*	9*	30.18	1.11062		
1540	10077	27.250	10	30.18	1.10789		
			19			1.10918	
10077	18208	-31.610	10	-34.69	1.09744		6-16-69
			10			1.08744	
1540	10077	27.340	10	30.19	1.10424		6-25-69
			10			1.10424	
10077	18208	-31.630	10	-34.69	1.09674		7-7-69
			10			1.09674	
10077	18208	-31.520	10				7-14-69
1540	18208	-3.978	9				
1540	10077	27.542*	9*	30.19	1.09614		
1540	10077	27.387	8	30.19	1.10235		
			17			1.09906	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	18208	-31.790	10 10	-34.69	1.09122	1.09122	7-22-69
1540	10077	27.500	10 10	30.19	1.09782	1.09782	7-31-69
10077	18208	-31.520	10 10	-34.69	1.10057	1.10057	8-11-69
10077	18208	-31.520	10				8-20-69
1540	18208	-4.000	9				
1540	10077	27.520*	9*	30.19	1.09702		
1540	10077	27.370	10 19	30.19	1.10303	1.10018	
4278	18208	-26.110	10 10	-29.06	1.11298	1.11298	8-29-69
1540	4278	22.520	10 10	25.08	1.11072	1.11072	9-10-69

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Comparisons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
4278	18208	-26.530	10 10	-29.06	1.09536	1.09536	9-17-69
4278	18208	-26.360	10				9-24-69
1540	18208	-3.867	9				
1540	4278	22.493*	9*	24.56	1.09190		
1540	4278	22.250	10 19	24.56	1.10382	1.09874	
4278	18208	-26.290	10 10	-29.06	1.10536	1.10536	10-1-69
1540	4278	22.090	10 10	24.56	1.11182	1.11182	10-8-69
4278	18208	-26.280	10 10	-29.06	1.10578	1.10578	10-17-69
1540	4278	22.270	10 10	24.56	1.10283	1.10283	10-27-69

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
4278	18208	-26.170	10 10	-29.06	1.11043	1.11043	11-7-69
4278	18208	-26.610	10				11-14-69
1540	18208	-4.044	9				
1540	4278	22.566*	9*	24.56	1.08836		
1540	4278	-22.280	10 19	24.56	1.10233	1.09571	
4278	18208	-26.440	10 10	-29.06	1.09909	1.09571	11-21-69
4278	18208	-26.190	10				12-1-69
1540	18208	-3.789	9				
1540	4278	22.401*	9*	24.56	1.09638		
1540	4278	22.250	10 19	24.56	1.10382	1.10030	
4278	18208	-26.210	10 10	-29.06	1.10874	1.10874	12-10-69

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
1540	4278	22.100	10 10	24.56	1.11131	1.11131	12-17-69
4278	18208	-25.870	10 10	-29.06	1.12331	1.12331	12-29-69
4278	18208	-25.750	10				1-5-70
1540	18208	-3.720	5				
1540	4278	22.030*	5*	24.56	1.11484		
1540	4278	21.850	6	24.56	1.12403		
			11			1.11985	
4278	18208	-26.240	10 10	-29.06	1.10747	1.10747	1-14-70
1540	4278	21.890	10 10	24.56	1.12197	1.12197	1-21-70
4278	7344	-25.720	10 10	-28.84	1.12131	1.12131	1-28-70

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Comparisons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
4278	7344	- 25.710	10				2-4-70
1540	7344	- 3.638	8				
1540	4278	22.072*	8*	24.56	1.11272		
1540	4278	21.790	10	24.56	1.12712		
			18			1.12072	
4278	7344	-25.040	10	-28.84	1.15176		2-16-70
			10			1.15176	
1540	4278	21.630	10	24.56	1.13546		2-24-70
			10			1.13546	
4278	7344	-25.580	10	-28.84	1.12744		3-2-70
			10			1.12744	
10077	7344	-30.156	9				3-9-70
1540	7344	- 3.600	9				
1540	10077	26.556*	9*	30.13	1.13458		
1540	10077	26.190	10	30.13	1.15044		
			19			1.14293	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-30.110	10 10	-34.41	1.14281	1.14281	3-16-70
1540	10077	26.220	10 10	30.13	1.14912	1.14912	3-27-70
10077	7344	-30.460	10 10	-34.41	1.12968	1.12968	4-3-70
10077	7344	-30.210	10				4-13-70
1540	7344	-3.644	9				
1540	10077	26.566*	9*	30.13	1.13416		
1540	10077	26.380	10 19	30.13	1.14215	1.13837	
10077	7344	-30.590	10 10	-34.41	1.12488	1.12488	4-20-70
1540	10077	26.380	10 10	30.13	1.14215	1.14215	4-27-70

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	- 30.430	10 10	-34.41	1.13079	1.13079	5-4-70
10077	7344	-30.470	10				5-11-70
1540	7344	-3.600	9				
1540	10077	26.870*	9*	30.13	1.12132		
1540	10077	26.560	10 19	30.13	1.13441	1.12821	
10077	7344	-30.290	10 10	-34.41	1.13602	1.13602	5-18-70
1540	10077	26.270	10 10	30.13	1.14694	1.14694	5-27-70
10077	7344	-30.130	10 10	-34.41	1.14205	1.14205	6-5-70

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-29.870	10				6-12-70
1540	7344	-3.578	9				
1540	10077	26.292*	9*	30.13	1.14598		
1540	10077	26.230	10	30.13	1.14868	1.14740	
			19				
10077	7344	-30.250	10	-34.41	1.13752		6-22-70
			10			1.13752	
1540	10077	-26.230	10	30.13	1.14868		6-29-70
			10			1.14868	
10077	7344	-29.440	10	-34.41	1.16882		7-6-70
			10			1.16882	
10077	7344	-30.110	10				7-13-70
1540	7344	-3.622	9				
1540	10077	26.488*	9*	30.13	1.13750		
1540	10077	26.220	10	30.13	1.14912	1.14362	
			19				

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	7344	-29.550	10 10	-34.41	1.16447	1.16447	7-24-70
1540	10077	25.910	10 10	30.13	1.16287	1.16287	7-31-70
10077	18208	-30.170	10 10	-34.63	1.14783	1.14783	8-7-70
10077	18208	-29.760	10				
1540	18208	-3.744	9				
1540	10077	26.016*	9*	30.13	1.15813		8-14-70
1540	10077	25.760	10 19	30.13	1.16964	1.16419	
10077	18208	-30.080	10 10	-34.63	1.15126	1.15126	8-24-70
1540	10077	26.200	10 10	30.13	1.15000	1.15000	8-31-70

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
10077	18208	-29.730	10 10	-34.63	1.16482	1.16482	9-11-70
4278	18208	-24.900	10				9-18-70
1540	18208	-4.033	9				
1540	4278	20.867*	9*	24.56	1.17698		
1540	4278	21.170	10 19	24.56	1.16013	1.16811	
4278	18208	-24.760	10 10	-29.06	1.17367	1.17367	9-29-70
1540	4278	20.660	10 10	24.56	1.18877	1.18877	10-5-70
4278	18208	-24.980	10 10	-29.06	1.16333	1.16333	10-16-70

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
4278	18208	- 24.770	10				10-23-70
1540	18208	- 3.722	9				
1540	4278	21.048*	9*	24.56	1.16686		
1540	4278	20.970	10	24.56	1.17120		
			19			1.16914	
4278	18208	- 24.700	10	-29.06	1.17652		11-2-70
			10			1.17652	
1540	4278	- 20.980	10	24.56	1.17064		11-9-70
			10			1.17064	
4278	18208	- 24.710	10	-29.06	1.17604		11-16-70
			10			1.17604	
4278	18208	- 25.760	10				11-23-70
1540	18208	- 3.956	9				
1540	4278	21.804*	9*	24.56	1.12640		
1540	4278	21.680	10	24.56	1.13284		
			19			1.12979	

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
4278	18208	-25.470	10 10	-29.06	1.14095	1.14095	11-30-70
1540	4278	21.620	10 10	24.56	1.13599	1.13599	12-8-70
4278	18208	-24.550	10 10	-29.06	1.18371	1.18371	12-18-70
4278	18208	-24.610	10				12-21-70
1540	18208	-3.733	9				
1540	4278	20.877*	9*	24.56	1.17641		
1540	4278	20.720	10 19	24.56	1.18533	1.18110	
4278	18208	-27.000	10 10	-29.06	1.07630	1.07630	12-29-70
2423	4278	22.790	10 10	25.83	1.13339	1.13339	1-4-71

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Compari- sons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
4278	7344	-25.600	10 10	-28.84	1.12656	1.12656	1-11-71
4278	7344	-25.740	10				1-18-71
2423	7344	-2.678	9				
2423	4278	23.062*	9*	25.83	1.12002		
2423	4278	22.980	10 19	25.83	1.12402	1.12213	
4278	7344	-25.560	10 10	-28.84	1.12833	1.12833	1-25-71
2423	4278	-22.750	10 10	25.83	1.13538	1.13538	2-1-71
4278	7344	-25.460	10 10	-28.84	1.13276	1.13276	2-8-71

*See Text

TABLE 2. Recorder Scale Factors of Analyser No. 58
 MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8
(Sub) Standard Tank No.	Compared Tank No.	Observed Scale Differ.	No. of Comparisons	Index Differ.	Recorder Single Set	Scale Factor Weighted Average	Date of Analysis
4278	7344	-25.370	10				2-16-71
2423	7344	-2.622	9				
2423	4278	22.748*	9*	25.83	1.13548		
2423	4278	22.620	10	25.83	1.14191		
			19			1.13886	
4278	7344	-25.060	10	-28.84	1.15084		2-26-71
			10			1.15084	

*See Text

Table 3. Summary of Recorder Scale Factors

1	2	3	4	5	6
Period Number	Initial Date	Final Date	Parameters of Sensitivity Line		
			Initial Date Referred to 1/1/58	Initial Sensitivity	Rate of Change of Sensitivity
			t _o (days)	S _o (scale div./ppm)	K (scale div./ppm-day)
1	6-1-64	9-18-64	2344	1.21339	0.52972 x 10 ⁻³
2	9-23-64	9-26-64	2458	0.54055	0
3	9-30-64	10-22-64	2465	0.35708	0
4	10-23-64	10-25-64	2488	1.23027	0
5	10-29-64	10-30-64	2494	1.02853	0
6	10-31-64	4-23-65	2496	1.11654	-0.42068 x 10 ⁻³
7	4-24-65	5-31-65	2671	1.05457	-1.64713 x 10 ⁻³
8	6-1-65	6-24-65	2709	0.99457	3.40657 x 10 ⁻³
9	6-25-65	12-31-65	2733	1.09449	-0.24089 x 10 ⁻³
10	1-1-66	8-25-66	2923	1.06784	0.68104 x 10 ⁻³
11	8-26-66	9-20-66	3160	0.88156	-1.64140 x 10 ⁻³
12	9-21-66	5-31-67	3186	0.83503	0.86069 x 10 ⁻³
13	6-1-67	9-30-67	3439	1.05875	-0.15899 x 10 ⁻³
14	10-1-67	4-3-68	3561	1.03732	0.93318 x 10 ⁻³
15	4-4-68	6-23-68	3747	1.21134	-1.31217 x 10 ⁻³
16	6-28-68	1-6-69	3832	1.20664	0.37666 x 10 ⁻³
17	1-7-69	12-13-69	4200	0.91738	-0.03511 x 10 ⁻³
18	12-14-69	12-31-70	4366	0.89224	-0.10570 x 10 ⁻³

(The Recorder Scale Factor is related to the sensitivity by the equation:

$$RSF \text{ (ppm/scale div.)} = [(t - t_o)K + S_o]^{-1}$$

where t is measured in days referred to 1-1-58)

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	Single Set No. of Comparisons	Index	Wt'd Average No. of Comparisons	Index	Date of Analysis
10077	11083	10	314.28			6-1-64
2403	11083	10	314.11			6-1-64
10077	11083	10	314.27			6-23-64
2403	11083	10	314.18			6-23-64
10077	11083	10	314.19			7-7-64
2403	11083	10	314.17			7-7-64
10077	11083	12	314.27			7-17-64
2403	11083	11	314.15			7-17-64
10077	11083	10	314.02			7-30-64
2403	11083	10	314.09			7-30-64
10077	11083	11	314.08			8-13-64
2403	11083	10	314.14			8-13-64
10077	11083	10	314.04			8-18-64
2403	11083	10	313.99			8-18-64
2403	11083	10	314.01			8-24-64
10077	11083	10	313.85			9-4-64
2403	11083	10	314.05			9-4-64
10077	11083	10	313.68			9-23-64
2403	11083	10	313.76*			9-23-64
10077	11083	5	313.95*			10-1-64

*Omitted from average because of analyzer detector malfunction

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Date of Analysis
2403	11083	5	314.01*			10-1-64
10077	11083	10	312.42*			10-9-64
2403	11083	10	313.65*			10-9-64
2403	11083	14	314.21*			10-24-64
10077	11083	11	314.01			11-7-64
2403	11083	10	314.09			11-7-64
2403	11083	10	314.12			11-21-64
10077	11083	10	313.89			12-2-64
2403	11083	10	313.93			12-2-64
2403	11083	10	313.85			12-11-64
10077	11083	10	313.95			12-23-64
2403	11083	10	313.86			12-23-64
2403	11083	10	314.08			1-8-65
10077	11083	10	314.04			1-20-65
2403	11083	10	314.12			1-20-65
2403	11083	10	314.07			2-4-65
10077	11083	10	313.87			2-17-65
2403	11083	10	313.85			2-17-65
2403	11083	10	314.05			3-4-65

*Omitted from average because of analyzer detector malfunction

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Date of Analysis
	11083	Versus	2403	191	314.06	
	11083	Versus	10077	144	314.03	
		Wt'd Average		335	314.05	
10077	11083	10	314.15			3-15-65
136	11083	10	314.20			3-15-65
136	11083	10	314.14			3-31-65
10077	11083	10	314.04			4-12-65
136	11083	10	314.08			4-12-65
136	11083	10	314.18			4-29-65
10077	11083	10	314.28			5-12-65
136	11083	10	314.17			5-12-65
136	11083	10	314.07			6-1-65
	11083	Versus	10077	30	314.16	
	11083	Versus	136	60	314.14	
		Wt'd Average		90	314.15	

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Date of Analysis
3751	11083	10	314.63			6-19-65
136	11083	10	314.42			6-19-65
136	11083	10	314.01			7-7-65
3751	11083	10	314.15			7-21-65
136	11083	10	314.10			7-21-65
136	11083	10	314.20			8-6-65
3751	11083	8	314.00			8-22-65
136	11083	9	313.85			8-22-65
136	11083	10	314.30			9-14-65
3751	11083	10	314.33			10-4-65
136	11083	10	314.19			10-4-65
136	11083	10	314.41			10-26-65
3751	11083	10	314.05			11-12-65
136	11083	10	314.07			11-12-65
3751	11083	10	314.40			11-26-65
136	11083	10	314.39			11-26-65
136	11083	10	314.42			12-15-65
3751	11083	10	314.10			1-5-66
136	11083	10	314.09			1-5-66
136	11083	10	314.33			1-23-66

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Date of Analysis
	11083	Versus	3751	68	314.24	
	11083	Versus	136	129	314.21	
		Wt'd Average		197	314.22	
1008	11085	10	316.92			2-10-66
136	11085	10	316.95			2-10-66
136	11085	10	317.04			2-28-66
1008	11085	10	317.01			3-10-66
136	11085	10	316.91			3-10-66
136	11085	10	316.91			3-28-66
1008	11085	9	317.03			4-10-66
136	11085	9	316.90			4-10-66
136	11085	10	316.69			4-29-66
1008	11085	10	316.83			5-10-66
136	11085	10	316.88			5-10-66
136	11085	10	316.82			5-24-66
1008	11085	10	316.81			6-4-66
136	11085	10	316.84			6-4-66

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	Single Set No. of Comparisons	Index	Wt'd Average No. of Comparisons	Index	Date of Analysis
	11085	Versus	136	89	316.88	
	11085	Versus	1008	49	316.92	
		Wt'd Average		138	316.89	
6078	11085	10	316.89			6-17-66
1008	11085	10	316.77			6-28-66
6078	11085	10	316.80			6-28-66
6078	11085	10	316.90			8-4-66
1008	11085	10	316.77			8-13-66
6078	11085	10	316.85			8-13-66
6078	11085	10	316.85			8-21-66
1008	11085	10	316.62			9-6-66
6078	11085	10	316.74			9-6-66
6078	11085	10	316.89			9-20-66
1008	11085	10	316.63			10-2-66
6078	11085	10	316.66			10-2-66
6078	11085	10	316.77			10-19-66
1008	11085	10	316.80			11-2-66
6078	11085	10	316.68			11-2-66
1008	11085	10	316.82			11-12-66
6078	11085	10	316.86			11-12-66
6078	11085	10	316.67			11-25-66

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

<u>Col. 1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Date of Analysis
1008	11085	10	316.76			12-4-66
6078	11085	10	316.81			12-4-66
6078	11085	10	316.80			12-21-66
1008	11085	10	316.68			1-1-67
6078	11085	10	316.65			1-1-67
6078	11085	10	315.79			2-3-67
1008	11085	10	316.99			2-14-67
6078	11085	10	316.94			2-14-67
6078	11085	10	316.78			3-1-67
1008	11085	10	316.94			3-15-67
6078	11085	10	316.68			3-15-67
6078	11085	10	317.03			3-31-67
1008	11085	10	316.63			4-12-67
6078	11085	10	316.76			4-12-67
6078	11085	10	316.78			4-30-67
1008	11085	10	316.62			5-17-67
6078	11085	10	316.74			5-17-67
6078	11085	10	316.79			6-3-67
1008	11085	10	316.87			6-14-67
6078	11085	10	316.87			6-14-67

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Date of Analysis
	11085	Versus	1008	130	316.76	
	11085	Versus	6078	250	316.80	
		Wt'd Average		380	316.79	
6078	11085	10	316.69			6-30-67
3751	11085	10	316.86			7-11-67
6078	11085	10	316.81			7-11-67
6078	11085	10	316.96			7-25-67
3751	11085	10	316.97			8-4-67
6078	11085	10	316.80			8-4-67
6078	11085	10	317.09			8-18-67
3751	11085	10	316.82			8-27-67
6078	11085	10	316.73			8-27-67
6078	11085	10	316.94			9-9-67
3751	11085	10	316.90			9-24-67
6078	11085	10	316.85			9-24-67
6078	11085	10	316.75			10-7-67
3751	11085	8	316.98			10-18-67
6078	11085	7	316.92			10-18-67
6078	11085	10	316.86			11-1-67

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

<u>Col. 1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons Index		<u>Wt'd Average</u> No. of Comparisons Index		Date of Analysis
3751	11085	10	316.81			11-14-67
6078	11085	10	316.77			11-14-67
6078	11085	10	316.86			11-28-67
3751	11085	10	316.86			12-10-67
6078	11085	10	316.85			12-10-67
6078	11085	10	316.76			12-24-67
3751	11085	10	316.98			1-3-68
6078	11085	10	316.74			1-3-68
6078	11085	10	317.12			1-14-68
3751	11085	10	316.77			1-22-68
6078	11085	10	316.77			1-22-68
	11085	Versus	3751	88	316.88	
	11085	Versus	6078	177	316.85	
		Wt'd Average		265	316.86	
3756	7344	10	309.92			2-2-68
10077	7344	10	310.21			2-11-68
3756	7344	10	310.02			2-11-68
3756	7344	10	309.95			2-24-68

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	Single Set No. of Comparisons	Index	Wt'd Average No. of Comparisons	Index	Date of Analysis
10077	7344	10	309.92			3-6-68
3756	7344	10	309.88			3-6-68
3756	7344	10	309.77			3-19-68
10077	7344	10	310.02			3-31-68
3756	7344	10	310.06			3-31-68
3756	7344	10	309.75			4-12-68
10077	7344	10	309.71			4-24-68
3756	7344	10	309.65			4-24-68
3756	7344	10	309.54			5-4-68
10077	7344	10	309.99			5-14-68
3756	7344	10	310.03			5-14-68
3756	7344	10	310.16			5-29-68
10077	7344	10	310.10			6-7-68
3756	7344	10	309.89			6-7-68
3756	7344	9	310.02			6-21-68
10077	7344	10	309.73			7-2-68
3756	7344	10	309.79			7-2-68
3756	7344	10	310.00			7-16-68
10077	7344	10	310.03			8-2-68
3756	7344	9	310.10			8-2-68
3756	7344	10	309.79			8-21-68
10077	7344	10	309.94			9-6-68

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

<u>Col. 1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Date of Analysis
3756	7344	9	309.95			9-6-68
3756	7344	10	309.92			9-20-68
10077	7344	10	309.97			10-8-68
3756	7344	9	309.98			10-8-68
3756	7344	9	309.88			10-25-68
10077	7344	10	309.78			11-8-68
3756	7344	9	309.97			11-8-68
3756	7344	9	309.87			11-27-68
	7344	Versus	3756	223	309.91	
	7344	Versus	10077	110	309.95	
		Wt'd Average		333	309.92	
10077	7344	5	310.38*			12-17-68
1540	7344	6	310.37*			12-17-68
1540	7344	4	310.65*			1-7-69
10077	7344	10	310.00			1-21-69
1540	7344	10	310.16			1-21-69
1540	7344	10	310.01			2-10-69
10077	7344	10	310.04			2-24-69

*Omitted from average because of analyzer electrical malfunction

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

<u>Col. 1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Date of Analysis
1540	7344	9	310.12			2-24-69
1540	7344	10	310.05			3-12-69
10077	7344	10	309.95			4-1-69
1540	7344	9	309.95			4-1-69
1540	7344	9	310.05			4-21-69
10077	7344	10	309.97			5-7-69
1540	7344	9	310.05			5-7-69
1540	7344	9	310.08			5-26-69
10077	7344	8	310.09			6-9-69
1540	7344	9	310.05			6-9-69
	7344	Versus	10077	48	310.01	
	7344	Versus	1540	84	310.06	
		Wt'd Average		132	310.04	
1540	18208	9	309.70			6-25-69
10077	18208	10	309.67			7-14-69
1540	18208	9	309.75			7-14-69
1540	18208	9	309.78			7-31-69
10077	18208	10	309.63			8-20-69

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Date of Analysis
1540	18208	9	309.72			8-20-69
	18208	Versus	10077	20	309.65	
	18208	Versus	1540	36	309.74	
		Wt'd Average		56	309.71	
1540	18208	9	309.67			9-10-69
4278	18208	10	309.73			9-24-69
1540	18208	9	309.87			9-24-69
1540	18208	10	309.87			10-8-69
1540	18208	10	309.70			10-27-69
4278	18208	10	309.52			11-14-69
1540	18208	9	309.69			11-14-69
4278	18208	10	309.86			12-1-69
1540	18208	9	309.95			12-1-69
1540	18208	9	309.82			12-17-69
4278	18208	10	309.84			1-5-70
1540	18208	5	309.95			1-5-70
1540	18208	10	309.63			1-21-70

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

<u>Col. 1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Date of Analysis
	18208	Versus	4278	40	309.74	
	18208	Versus	1540	80	309.78	
		Wt'd Average		120	309.77	
4278	7344	10	309.87			2-4-70
1540	7344	8	310.04			2-4-70
1540	7344	10	309.99			2-24-70
	7344	Versus	4278	10	309.87	
	7344	Versus	1540	18	310.01	
		Wt'd Average		28	309.96	
10077	7344	9	309.78			3-9-70
1540	7344	9	310.01			3-9-70
1540	7344	10	309.98			3-27-70
10077	7344	10	309.86			4-13-70
1540	7344	9	309.97			4-13-70
1540	7344	9	310.02			4-27-70
10077	7344	10	309.87			5-11-70

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	Single Set No. of Comparisons	Index	Wt'd Average No. of Comparisons	Index	Date of Analysis
1540	7344	9	310.06			5-11-70
1540	7344	9	309.99			5-27-70
10077	7344	10	309.98			6-12-70
1540	7344	9	310.01			6-12-70
1540	7344	9	310.07			6-29-70
10077	7344	10	309.82			7-13-70
1540	7344	9	309.98			7-13-70
1540	7344	9	309.93			7-31-70
	7344	Versus	10077	49	309.86	
	7344	Versus	1540	91	310.00	
		Wt'd Average		140	309.95	
10077	18208	10	309.60			8-14-70
1540	18208	9	309.76			8-14-70
1540	18208	9	309.84			8-31-70
	18208	Versus	10077	10	309.60	
	18208	Versus	1540	18	309.80	
		Wt'd Average		28	309.73	

Table 4a. Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Date of Analysis
4278	18208	10	309.59			9-18-70
1540	18208	9	309.41			9-18-70
1540	18208	9	309.73			10-5-70
4278	18208	10	309.72			10-23-70
1540	18208	9	309.77			10-23-70
1540	18208	9	309.65			11-9-70
4278	18208	10	309.58			11-23-70
1540	18208	9	309.65			11-23-70
1540	18208	9	309.60			12-8-70
4278	18208	10	309.61			12-21-70
1540	18208	9	309.71			12-21-70
	18208	Versus	1540	63	309.65	
	18208	Versus	4278	40	309.63	
		Wt'd Average		103	309.64	
2423	18208	9	309.51			1-4-71
	18208	Versus	2423	9	309.51	

Table 4a Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7
(Sub) Standard Tank No.	Compared Tank No.	Single Set No. of Comparisons	Index	Wt'd Average No. of Comparisons	Index	Date of Analysis
4278	7344	10	309.80			1-18-71
2423	7344	9	309.84			1-18-71
2423	7344	9	309.63			2-1-71
4278	7344	10	309.79			2-16-71
2423	7344	9	309.86			2-16-71
2423	7344	9	309.69			3-5-71
4278	7344	10	309.79			3-19-71
2423	7344	9	309.81			3-19-71
	7344	Versus	4278	30	309.79	
	7344	Versus	2423	45	309.77	
		Wt'd Average		75	309.78	
2423	7344	9	309.74			4-5-71
3754	7344	10	309.74			4-16-71
2423	7344	9	309.77			4-16-71
2423	7344	9	309.87			4-30-71
	7344	Versus	3754	10	309.74	
	7344	Versus	2423	27	309.79	
		Wt'd Average		37	309.78	

TABLE 4b Average Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

<u>Col. 1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
<u>Date</u>	<u>Standard Tanks</u>	<u>Compared Tank</u>	<u>No. of Comparisons</u>	<u>Average Index</u>
3/64	Tanks at SIO	11083	104	314.26
6/64- 3/65	2403 and 10077	11083	335	314.05
3/65- 6/65	136 and 10077	11083	90	314.15
6/65- 1/66	136 and 3751	11083	197	314.22
5/66	Tanks at SIO	11083	51	314.23
12/65	Tanks at SIO	11085	63	316.74
2/66- 6/66	136 and 1008	11085	138	316.89
6/66- 6/67	6078 and 1008	11085	380	316.79
6/67- 1/68	6078 and 3751	11085	265	316.86
4/68	Tanks at SIO	11085	56	316.78
11/67	Tanks at SIO	7344	79	309.88
2/68-11/68	3756 and 10077	7344	333	309.92
11/68- 6/69	1540 and 10077	7344	143	310.07
9/69	Tanks at SIO	7344	52	309.85
4/69	Tanks at SIO	18208	70	309.64
6/69- 8/69	1540 and 10077	18208	56	309.71
9/69- 1/70	1540 and 4278	18208	120	309.77
4/70	Tanks at SIO	18208	51	309.60

TABLE 4b Average Index Values of Field Surveillance Tanks

MAUNA LOA CARBON DIOXIDE PROJECT

<u>Col. 1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
<u>Date</u>	<u>Standard Tanks</u>	<u>Compared Tanks</u>	<u>No. of Comparisons</u>	<u>Average Index</u>
9/69	Tanks at SIO	7344	131	309.87
2/70	1540 and 4278	7344	28	309.96
2/70- 7/70	1540 and 10077	7344	140	309.95
12/70	Tanks at SIO	7344	49	309.77
1/70	Tanks at SIO	18208	121	309.62
8/70	1540 and 10077	18208	28	309.73
9/70-12/70	1540 and 4278	18208	103	309.64
1/71	2423	18208	9	309.51
5/71	Tanks at SIO	18208	50	309.64

TABLE 5 Scripps Index Values of All Reference Cases

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Tank Rank	Tank No.	At Scripps Prior to Use				At Scripps After Use				Wt'd.Av.	
		No. of Compari- sons	Index	Date of Last Run	Report No.	No. of Compari- sons	Index	Date of Last Rerun	Report No.*	No. of Compari- sons	Index
IO	11083	104	314.26	3/8/63	6	51	314.23	5/4/66	10	155	314.25
HS	10077	159	347.11	6/25/63	6	52	347.11	10/27/66	11	211	347.11
II	2403	102	311.12	10/25/62	5	50	311.09	5/19/65	10	152	311.11
W	3756	24	313.64	2/7/63	6	10	313.97	9/17/64	10	34	313.73
W	3758	10	312.06	5/16/63	6	11	312.24	9/17/64	10	21	312.15
W	4285	10	312.94	5/21/63	6	10	312.93	9/17/64	10	20	312.94
W	3754	10	312.09	5/16/63	6	12	312.15	11/3/64	10	22	312.12
LS	2420	100	287.23	4/4/63	6	51	286.16	7/8/66	10	151	286.87
W	4295	10	313.72	5/21/63	6	10	313.89	5/4/65	10	20	313.80
W	4296	10	310.60	5/21/63	6	10	310.98	11/3/64	10	20	310.79
W	3753	10	313.18	5/16/63	6	10	313.21	5/3/65	10	20	313.20
W	3759	10	313.46	5/16/63	6	10	313.63	5/3/65	10	20	313.54
W	2407	12	314.20	4/11/63	6	10	314.33	5/3/65	10	22	314.26
W	4295	10	313.72	5/21/63	6	10	313.89	5/4/65	10	20	313.80
W	2425	11	313.64	4/11/63	6	10	313.80	5/3/65	10	21	313.72
W	2419	10	314.69	5/16/63	6	10	314.57	5/3/65	10	20	314.63
W	11076	10	312.30	5/21/63	6	11	312.37	5/19/65	11	21	312.34
II	136	114	310.37	3/10/64	7	50	310.52	10/31/66	11	164	310.42
W	132	10	313.09	5/16/63	6	10	313.18	5/19/65	9	20	313.14
W	18219	11	313.49	3/26/63	6	10	313.52	8/6/65	10	21	313.50

*Report in which final value is indicated

TABLE 5 Scripps Index Values of All Reference Gases
MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Tank Rank	Tank No.	At Scripps Prior to Use				At Scripps After Use				Wt'd.Av.	
		No. of Compari- sons	Index	Date of Last Run	Report No.	No. of Compari- sons	Index	Date of Last Rerun	Report No.*	No. of Compari- sons	Index
W	6052	10	312.04	4/12/63	6	10	312.10	11/17/65	11	20	312.07
HS	3751	122	342.06	5/7/65	9	101	342.16	1/12/67	11	223	342.10
W	2400	13	312.37	4/28/65	9	11	312.55	11/17/65	10	24	312.45
W	4284	13	311.99	4/28/65	9	10	311.96	2/24/66	11	23	311.98
W	4278	10	312.09	4/28/65	9	10	312.10	2/24/66	10	20	312.10
W	7366	10	311.77	4/15/63	6	10	311.99	2/24/66	10	20	311.88
W	4290	12	312.31	4/28/65	9	10	312.53	2/24/66	10	22	312.41
W	11081	10	317.94	8/4/65	9	11	317.96	3/24/66	10	21	317.95
W	3755	10	317.36	8/4/65	9	10	317.56	3/24/66	10	20	317.46
IO	11085	63	316.74	12/16/65	9	56	316.78	4/9/68	13	119	316.76
HS	1008	134	352.19	12/8/65	9	53	352.35	11/29/67	12	187	352.24
LS	6074	146	294.37	12/14/65	9	51	293.89	4/9/68	13	197	294.25
W	11078	10	320.24	8/5/65	9	10	320.52	5/11/66	10	20	320.38
W	148	10	320.02	11/16/65	9	10	320.28	5/11/66	10	20	320.15
W	7364	12	321.61	11/16/65	9	10	321.82	9/29/66	10	22	321.71
W	18220	10	320.26	8/4/65	9	10	320.29	9/29/66	10	20	320.28
W	181	10	322.21	10/12/65	9	10	322.60	1/31/67	11	20	322.40
II	6078	53	310.68	5/4/66	10	50	310.63	4/9/68	13	103	310.66
W	2421	21	322.29	5/11/66	10	10	322.37	1/31/67	11	31	322.31
W	11092	10	322.92	5/11/66	10	10	322.94	1/31/67	11	20	322.93

*Report in which final value is indicated

TABLE 5 Scripps Index Values of All Reference Gases

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Tank Rank	Tank No.	At Scripps Prior to Use				At Scripps After Use				Wt'd. Av.	
		No. of Compari- sons	Index	Date of Last Run	Report No.	No. of Compari- sons	Index	Date of Last Rerun	Report No.*	No. of Compari- sons	Index
W	4277	20	322.61	5/11/66	10	11	322.83	1/31/67	11	31	322.69
W	7362	11	317.78	1/7/66	10	10	318.32	1/31/67	11	21	318.04
W	11080	20	311.08	10/20/66	10	10	311.16	1/31/67	11	30	311.11
W	4276	21	311.29	10/20/66	10	10	311.34	3/28/67	11	31	311.30
W	18220	11	322.13	12/6/66	10	11	322.40	3/28/67	11	22	322.26
W	4278	10	323.03	12/6/66	10	10	323.30	8/23/67	12	20	323.16
W	11078	10	325.36	12/28/66	11	10	325.32	8/22/67	12	20	325.34
W	7364	11	324.67	12/21/66	11	10	324.68	8/22/67	12	21	324.67
W	3759	10	318.83	1/9/67	11	11	318.95	8/22/67	12	21	318.89
W	11083	10	323.53	12/28/66	11	11	323.75	8/22/67	12	21	323.65
HS	3751	223	342.10	1/12/67	11	50	342.06	4/ 9/68	13	273	342.10
W	181	10	321.30	5/10/67	12	11	321.59	1/17/68	13	21	321.45
W	11080	10	320.26	5/10/67	12	13	320.31	1/17/68	13	23	320.29
W	11092	11	320.28	5/10/67	12	11	320.33	1/17/68	13	22	320.30
W	7362	10	321.06	5/10/67	12	10	321.13	1/17/68	13	20	321.10
W	4277	10	320.50	4/7/67	11	11	320.73	1/17/68	13	21	320.62
W	2421	11	315.22	5/10/67	12	11	315.36	1/17/68	13	22	315.29

*Report in which final value is indicated

TABLE 5 Scripps Index Values of All Reference Gases

MAUNA LOA CARBON DIOXIDE PROJECT

Col	1	2	3	4	5	6	7	8	9	10	11	12
Tank Rank	Tank No.	At Scripps Prior to Use				At Scripps After Use				Wt'd. Av.		
		No. of Compari- sons	Index	Date of Last Run	Report No.	No. of Compari- sons	Index	Date of Last Rerun	Report No.*	No. of Compari- sons	Index	
W	2426	10	320.43	10/20/67	12	10	320.50	3/19/68	13	20	320.46	
W	3757	10	321.42	10/19/67	12	10	321.47	3/19/68	13	20	321.44	
W	4290	11	318.65	10/19/67	12	11	318.60	9/11/68	15	22	318.62	
IO	3756	147	314.16	11/20/67	12	57	314.24	6/ 4/69	15	204	314.18	
HS	10077	72	344.39	11/22/67	12	52	344.21	11/18/69	16	124	344.31	
LS	2427	101	289.04	11/16/67	12	STILL AT MLO				101	289.04	
II	7344	79	309.88	11/21/67	12	52	309.85	9/ 3/69	16	131	309.87	
IO	7344	79	309.88	11/21/67	12	52	309.85	9/ 3/69	16	131	309.87	
II	3756	147	314.16	11/20/67	12	57	314.24	6/ 4/69	15	204	314.18	
W	3759	10	319.29	10/20/67	12	10	319.26	9/11/68	15	20	319.28	
W	3752	10	318.81	10/19/67	12	10	318.78	9/11/68	15	20	318.80	
W	11089	11	319.77	1/10/68	13	11	320.08	9/11/68	15	22	319.92	
W	11083	10	323.54	3/15/68	13	10	323.67	9/11/68	15	20	323.60	
W	4275	11	324.37	3/15/68	13	10	324.53	1/28/69	15	21	324.45	
W	11081	10	322.82	3/15/68	13	10	323.06	1/27/69	15	20	322.94	
W	2405	10	321.80	3/15/68	13	10	321.79	1/28/69	15	20	321.92	
W	2419	20	316.61	7/18/68	14	10	316.79	1/28/69	15	30	316.67	
W	4297	10	322.57	9/3/68	15	10	322.73	1/27/69	15	20	322.65	
W	2423	9	319.72	9/3/68	15	13	319.91	4/ 7/69	15	22	319.83	
II	1540	85	314.04	7/25/68	14	51	314.25	3/ 9/71	18	136	314.12	

*Report in which final value is indicated

TABLE 5 Scripps Index Values of All Reference Gases

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Tank Rank	Tank No.	At Scripps Prior to Use				At Scripps After Use				Wt'd Av.	
		No. of Compari- sons	Index	Date of Last Run	Report No.	No. of Compari- sons	Index	Date of Last Rerun	Report No.*	No. of Compari- sons	Index
W	11092	10	321.79	9/ 3/68	15	10	321.99	4/ 7/69	15	20	321.89
W	4283	10	322.69	9/ 3/68	15	10	322.84	4/29/69	15	20	322.76
W	181	13	322.95	9/ 3/68	15	10	323.25	5/ 9/69	15	23	323.08
W	2407	10	323.28	3/15/68	13	11	323.34	7/17/69	16	21	323.31
W	1008	9	324.74	9/ 3/68	15	10	324.88	7/25/69	16	19	324.81
W	6060	21	319.63	7/18/68	14	10	316.53	8/22/69	16	31	316.60
IO	18208	70	309.64	4/10/69	15	51	309.60	4/6/70	17	121	309.62
W	3759	11	321.74	4/29/69	15	10	321.63	12/ 5/69	16	21	321.69
W	4290	10	321.90	4/29/69	15	10	322.00	12/ 5/69	16	20	321.95
HS	4278	72	338.73	6/13/69	15	61	338.63	7/ 6/70	17	133	338.68
W	2418	10	319.64	4/29/69	15	10	319.55	2/ 3/70	17	20	319.60
W	4292	20	324.24	4/14/69	15	10	324.23	2/ 3/70	17	30	324.24
W	4277	12	320.19	4/29/69	15	10	320.16	3/ 2/70	17	22	320.18
W	11080	20	325.40	4/14/69	15	10	325.37	4/17/70	17	30	325.39
IO	7344	131	309.87	9/ 3/69	16	49	309.77	12/3/70	17	180	309.84
W	3758	20	323.06	11/6/69	16	10	322.93	4/17/70	17	30	323.02
HS	10077	124	344.31	11/18/69	16	58	344.11	1/18/71	18	182	344.25

*Report in which final value is indicated

TABLE 5 Scripps Index Values of All Reference Gases

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Tank Rank	Tank No.	At Scripps Prior to Use			At Scripps After Use				Wt'd Av.		
		No. of Compari- sons	Index	Date of Last Run	Report No.	No. of Compari- sons	Index	Date of Last Rerun	Report No.*	No. of Compari- sons	Index
W	11089	20	323.14	1/19/70	16	10	323.27	5/18/70	17	30	323.18
W	11083	20	323.46	12/19/69	16	10	323.51	8/20/70	17	30	323.47
W	2426	20	324.25	12/19/69	16	10	324.41	8/20/70	17	30	324.30
W	3752	10	320.23	4/29/69	15	10	320.19	9/10/70	17	20	320.21
W	6081	21	321.94	12/23/69	16	10	321.86	12/4/70	17	31	321.91
IO	18208	121	309.62	4/6/70	17	60	309.65	5/19/71	18	181	309.63
W	6060	19	321.80	1/19/70	16	10	321.90	12/4/70	17	29	321.84
HS	4278	133	338.68	7/6/70	17		STILL AT MLO			133	338.68
W	3756	20	322.74	1/19/70	16	10	322.81	1/13/71	18	30	322.77
W	4285	16	324.03	1/19/70	16	10	324.26	1/13/71	18	26	324.12
W	136	20	324.52	1/19/70	16	10	324.72	2/1/71	18	30	324.59
W	11076	21	319.85	1/19/70	16	10	320.03	3/1/71	18	31	319.91
II	2423	81	312.85	12/3/70	17		STILL AT MLO			81	312.85
IO	7344	180	309.84	12/3/70	17		STILL AT MLO			180	309.84

*Report in which final value is indicated

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
1-2-64	2403	3756	10	313.49*			
1-15-64	2403	3756	11	313.82*			
6-1-64	2403	3756	10	313.73	31	313.68	3756
6-1-64	2403	3758	10	312.07			
6-23-64	2403	3758	10	312.23	20	312.15	3758
6-23-64	2403	4285	10	312.89			
7-7-64	2403	4285	10	313.03			
7-17-64	2403	4285	11	312.90	31	312.94	4285
7-17-64	2403	3754	10	312.00			
7-30-64	2403	3754	10	312.17			
8-7-64	2403	3754	11	312.17			
8-13-64	2403	3754	10	312.33	41	312.17	3754
8-13-64	2403	4295	10	313.78	10	313.78	4295
8-18-64	2403	4296	10	310.50			
8-24-64	2403	4296	10	310.63			
8-29-64	2403	4296	10	310.65			
9-4-64	2403	4296	10	311.40	40	310.80	4296
9-4-64	2403	3753	10	313.39			
9-13-64	2403	3753	10	313.36			
9-23-64	2403	3753	10	313.42			
10-1-64	2403	3753	5	313.10			

*Transcribed from Mauna Loa Carbon Dioxide Report 3

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u>		<u>Wt'd Average</u>		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
10-2-64	2403	3753	10	313.92			
10-9-64	2403	3753	10	313.09	55	313.41	3753
10-9-64	2403	3759	10	313.15			
10-18-64	2403	3759	10	313.45			
10-23-64	2403	3759	10	313.67			
10-24-64	2403	3759	10	313.69			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
10-30-64	2403	3759	4	313.74			
10-30-64	2403	3759	7	313.62			
11-1-64	2403	3759	10	313.46			
11-7-64	2403	3759	10	313.66	71	313.54	3759
11-7-64	2403	2407	10	314.32			
11-15-64	2403	2407	10	314.42			
11-21-64	2403	2407	10	314.32			
11-26-64	2403	2407	10	314.37			
12-2-64	2403	2407	10	314.40	50	314.37	2407
12-2-64	2403	4295	10	313.59			
12-11-64	2403	4295	10	313.81			
12-17-64	2403	4295	10	313.94			
12-23-64	2403	4295	10	314.02	40	313.84	4295
12-23-64	2403	2425	10	313.44			
1-2-65	2403	2425	10	313.52			
1-8-65	2403	2425	10	313.45			
1-13-65	2403	2425	10	313.51			
1-20-65	2403	2425	10	313.60	50	313.51	2425
1-20-65	2403	2419	10	314.31			
1-29-65	2403	2419	10	314.47			
2-4-65	2403	2419	10	314.48			
2-10-65	2403	2419	10	314.49			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set No. of Comparisons	Index	Wt'd Average No. of Comparisons	Index	Compared Tank No.
2-17-65	2403	2419	10	314.59	50	314.47	2419
2-17-65	2403	11076	10	312.22			
3-4-65	2403	11076	10	312.36			
3-15-65	136	11076	10	312.60	30	312.39	11076
3-15-65	136	132	10	312.90			
3-25-65	136	132	10	313.42			
3-31-65	136	132	10	313.03			
4-6-65	136	132	10	313.32			
4-12-65	136	132	10	313.18	50	313.17	132
4-12-65	136	18219	10	313.44			
4-23-65	136	18219	10	313.72			
4-29-65	136	18219	10	313.49			
5-5-65	136	18219	9	313.71			
5-12-65	136	18219	10	313.73	49	313.62	18219
5-12-65	136	6052	10	311.96			
5-24-65	136	6052	10	312.27			
6-1-65	136	6052	9	312.13			
6-9-65	136	6052	10	312.01			
6-19-65	136	6052	10	312.47	49	312.17	6052
6-19-65	136	2400	10	312.58			
6-29-65	136	2400	8	312.80			
7-7-65	136	2400	10	312.52			

TABLE 6 Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	<u>Single Set</u> No. of Comparisons	Index	<u>Wt'd Average</u> No. of Comparisons	Index	Compared Tank No.
7-14-65	136	2400	10	312.72			
7-21-65	136	2400	8	312.78	46	312.67	2400
7-21-65	136	4284	10	312.07			
7-27-65	136	4284	10	311.98			
8-6-65	136	4284	10	312.00			
8-14-65	136	4284	9	311.86			
8-22-65	136	4284	10	312.09	49	312.00	4284
8-22-65	136	4278	10	312.15			
9-6-65	136	4278	10	312.14			
9-14-65	136	4278	10	312.21			
9-24-65	136	4278	10	312.26			
10-4-65	136	4278	10	312.39	50	312.23	4278
10-4-65	136	7366	10	312.03			
10-18-65	136	7366	9	311.96			
10-26-65	136	7366	10	311.97			
11-3-65	136	7366	10	311.96			
11-12-65	136	7366	9	311.87	48	311.96	7366
11-12-65	136	4290	8	312.44			
11-18-65	136	4290	9	312.59			
11-26-65	136	4290	10	312.71	27	312.59	4290
11-26-65	136	11081	10	317.73			
12-10-65	136	11081	10	318.32			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
12-15-65	136	11081	10	318.06			
12-25-65	136	11081	9	318.32			
1-5-66	136	11081	10	318.62	49	318.21	11081
1-5-66	136	3755	10	317.43			
1-17-66	136	3755	10	317.53			
1-23-66	136	3755	10	317.58			
2-1-66	136	3755	10	317.76			
2-10-66	136	3755	10	317.62	50	317.58	3755
2-10-66	136	11078	10	320.63			
2-21-66	136	11078	10	320.50			
2-28-66	136	11078	9	320.57			
3-5-66	136	11078	10	320.68			
3-10-66	136	11078	10	320.46	49	320.57	11078
3-10-66	136	148	10	320.16			
3-22-66	136	148	10	320.21			
3-28-66	136	148	10	320.11			
4-6-66	136	148	10	320.33			
4-10-66	136	148	10	320.20	50	320.20	148
4-10-66	136	7364	10	321.84			
4-22-66	136	7364	10	321.70			
4-29-66	136	7364	9	321.79			
5-5-66	136	7364	10	321.83			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
5-10-66	136	7364	10	321.82	49	321.80	7364
5-10-66	136	18220	10	320.36			
5-18-66	136	18220	10	320.39			
5-24-66	136	18220	10	320.28			
5-30-66	136	18220	10	320.22			
6-4-66	136	18220	10	320.36	50	320.32	18220
6-4-66	136	181	10	322.11			
6-12-66	136	181	10	322.33			
6-17-66	6078	181	10	322.16			
6-22-66	6078	181	10	322.36			
6-28-66	6078	181	10	322.42	50	322.27	181
6-28-66	6078	2421	10	322.38			
7-7-66	6078	2421	10	322.32			
8-4-66	6078	2421	10	322.37			
8-9-66	6078	2421	10	322.39			
8-13-66	6078	2421	10	322.34	50	322.36	2421
8-13-66	6078	11092	10	322.73			
8-21-66	6078	11092	10	322.96			
8-27-66	6078	11092	10	322.88			
8-31-66	6078	11092	10	322.98			
9-6-66	6078	11092	10	322.93	50	322.90	11092
9-6-66	6078	4277	10	322.86			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
9-14-66	6078	4277	10	322.82			
9-20-66	6078	4277	10	322.88			
9-25-66	6078	4277	10	322.92			
10-2-66	6078	4277	10	322.49	50	322.79	4277
10-2-66	6078	7362	10	318.13			
10-11-66	6078	7362	10	318.06			
10-19-66	6078	7362	10	318.28			
10-26-66	6078	7362	10	318.08			
11-2-66	6078	7362	9	318.35	49	318.18	7362
11-12-66	6078	11080	10	311.10			
11-20-66	6078	11080	10	311.13			
11-25-66	6078	11080	10	311.20			
11-30-66	6078	11080	10	311.16			
12-4-66	6078	11080	9	311.18	49	311.15	11080
12-4-66	6078	4276	10	311.28			
12-14-66	6078	4276	10	311.24			
12-21-66	6078	4276	10	311.30			
12-27-66	6078	4276	10	311.44			
1-1-67	6078	4276	10	311.34	50	311.32	4276
1-1-67	6078	18220	10	322.12			
1-11-67	6078	18220	10	322.48			
2-3-67	6078	18220	10	322.10			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
2-8-67	6078	18220	10	322.27			
2-14-67	6078	18220	10	322.56	50	322.31	18220
2-14-67	6078	4278	10	323.21			
2-21-67	6078	4278	10	323.20			
3-1-67	6078	4278	10	322.90			
3-8-67	6078	4278	10	323.25			
3-15-67	6078	4278	10	323.30	50	323.18	4278
3-15-67	6078	11078	10	325.18			
3-31-67	6078	11078	10	325.32			
4-7-67	6078	11078	10	325.47			
4-12-67	6078	11078	10	325.37	40	325.34	11078
4-12-67	6078	7364	10	324.30			
4-23-67	6078	7364	10	324.54			
4-30-67	6078	7364	10	324.44			
5-12-67	6078	7364	10	324.49			
5-17-67	6078	7364	10	324.51	50	324.46	7364
5-17-67	6078	3759	10	318.89			
5-27-67	6078	3759	10	318.49			
6-3-67	6078	3759	10	318.84			
6-7-67	6078	3759	10	318.76			
6-14-67	6078	3759	10	318.94	50	318.78	3759
6-14-67	6078	11083	10	323.50			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
6-24-67	6078	11083	10	323.29			
6-30-67	6078	11083	10	323.46			
7-5-67	6078	11083	10	323.55			
7-11-67	6078	11083	10	323.82	50	323.52	11083
7-11-67	6078	181	10	321.23			
7-25-67	6078	181	10	321.29			
7-30-67	6078	181	10	321.50			
8-4-67	6078	181	10	321.46	40	321.37	181
8-4-67	6078	11080	9	320.25			
8-18-67	6078	11080	10	320.13			
8-25-67	6078	11080	10	320.39			
8-27-67	6078	11080	10	320.42	39	320.30	11080
8-27-67	6078	11092	10	320.48			
9-5-67	6078	11092	10	320.31			
9-9-67	6078	11092	10	320.24			
9-17-67	6078	11092	10	320.52			
9-24-67	6078	11092	10	320.14	50	320.34	11092
9-24-67	6078	7362	10	321.10			
10-3-67	6078	7362	10	321.06			
10-7-67	6078	7362	10	321.15			
10-12-67	6078	7362	5	320.83			
10-18-67	6078	7362	8	321.13	43	321.08	7362

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
10-18-67	6078	4277	7	320.42			
10-27-67	6078	4277	10	320.63			
11-1-67	6078	4277	10	320.48			
11-8-67	6078	4277	10	320.55			
11-14-67	6078	4277	10	320.50	47	320.52	4277
11-14-67	6078	2421	10	315.12			
11-21-67	6078	2421	10	315.47			
11-28-67	6078	2421	10	315.22			
12-5-67	6078	2421	10	315.42			
12-10-67	6078	2421	10	315.23	50	315.29	2421
12-10-67	6078	2426	10	320.35			
12-17-67	6078	2426	10	320.58			
12-24-67	6078	2426	10	320.09			
12-30-67	6078	2426	10	320.23			
1-3-68	6078	2426	10	320.59	50	320.37	2426
1-3-68	6078	3757	10	321.28			
1-9-68	6078	3757	10	321.27			
1-14-68	6078	3757	10	321.37			
1-17-68	6078	3757	10	321.54			
1-22-68	6078	3757	10	321.21	50	321.33	3757
1-22-68	6078	4290	10	318.57			
1-27-68	7344	4290	10	318.60			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set No. of Comparisons Index		Wt'd Average No. of Comparisons Index		Compared Tank No.
2-2-68	3756	4290	10	318.48			
2-7-68	3756	4290	10	318.68			
2-11-68	3756	4290	10	318.59	50	318.58	4290
2-11-68	3756	3759	10	319.29			
2-17-68	3756	3759	10	319.23			
2-24-68	3756	3759	10	319.06			
3-2-68	3756	3759	10	319.19			
3-6-68	3756	3759	10	319.37	50	319.23	3759
3-6-68	3756	3752	10	318.68			
3-13-68	3756	3752	10	318.93			
3-19-68	3756	3752	10	318.88			
3-26-68	3756	3752	10	319.07			
3-31-68	3756	3752	10	318.86	50	318.88	3752
3-31-68	3756	11089	10	319.52			
4-7-68	3756	11089	10	319.81			
4-12-68	3756	11089	10	320.07			
4-24-68	3756	11089	10	319.81	40	318.80	11089
4-24-68	3756	11089	10	323.66			
4-30-68	3756	11083	10	323.82			
5-4-68	3756	11083	10	323.82			
5-10-68	3756	11083	10	323.35			
5-14-68	3756	11083	10	323.64	50	323.66	11083

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
5-14-68	3756	4275	10	324.31			
5-22-68	3756	4275	10	324.58			
5-29-68	3756	4275	10	324.19			
6-3-68	3756	4275	10	324.46			
6-7-68	3756	4275	10	324.32	50	324.37	4275
6-7-68	3756	11081	10	322.79			
6-14-68	3756	11081	10	322.57			
6-21-68	3756	11081	9	323.03			
7-2-68	3756	11081	10	323.00	39	322.85	11081
7-2-68	3756	2405	10	321.77			
7-10-68	3756	2405	10	321.83			
7-16-68	3756	2405	10	321.70			
7-26-68	3756	2405	10	321.86			
8-2-68	3756	2405	9	321.80	49	321.79	2405
8-2-68	3756	4295	9	322.12			
8-13-68	3756	4295	10	321.84			
8-21-68	3756	4295	10	321.70			
8-30-68	3756	4295	10	322.10			
9-6-68	3756	4295	10	322.02	49	321.95	4295
9-6-68	3756	2419	10	316.71			
9-13-68	3756	2419	10	316.78			
9-20-68	3756	2419	6	316.41			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
10-2-68	3756	2419	10	316.74			
10-8-68	3756	2419	10	316.73	46	316.70	2419
10-8-68	3756	4297	10	322.52			
10-16-68	3756	4297	10	322.58			
10-25-68	3756	4297	10	322.64			
11-1-68	3756	4297	5	322.69			
11-8-68	3756	4297	10	322.66	45	322.61	4297
11-8-68	3756	2423	10	319.60			
11-15-68	3756	2423	10	319.82			
11-27-68	3756	2423	10	319.74			
12-6-68	3756	2423	10	319.77			
12-17-68	1540	2423	5	320.05	45	319.77	2423
12-17-68	1540	11092	6	321.79			
1-7-69	1540	11092	6	321.67			
1-14-69	1540	11092	9	320.93**			
1-21-69	1540	11092	10	321.87	22	321.79	11092
1-21-69	1540	4283	10	322.66			
1-31-69	1540	4283	10	322.84			
2-10-69	1540	4283	10	322.61			
2-17-69	1540	4283	10	322.89			
2-24-69	1540	4283	10	322.79	50	322.76	4283
2-24-69	1540	181	10	322.94			

**Omitted from weighted average due to suspected analyzer malfunction

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
3-5-69	1540	181	10	323.20			
3-12-69	1540	181	10	323.19			
3-24-69	1540	181	10	323.25			
4-1-69	1540	181	10	323.10	50	323.14	181
4-1-69	1540	2407	10	323.37			
4-9-69	1540	2407	10	323.37			
4-21-69	1540	2407	10	323.35			
4-28-69	1540	2407	10	323.51			
5-7-69	1540	2407	10	323.40	50	323.40	2407
5-7-69	1540	1008	10	324.87			
5-15-69	1540	1008	10	325.03			
5-26-69	1540	1008	10	324.95			
6-2-69	1540	1008	10	324.81			
6-9-69	1540	1008	10	325.01	50	324.94	1008
6-9-69	1540	6060	10	316.63			
6-16-69	1540	6060	10	316.81			
6-25-69	1540	6060	10	316.90			
7-7-69	1540	6060	10	316.92			
7-14-69	1540	6060	10	316.83	50	316.82	6060
7-14-69	1540	3759	10	321.68			
7-22-69	1540	3759	10	321.76			
7-31-69	1540	3759	10	321.77			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
8-11-69	1540	3759	10	321.65			
8-20-69	1540	3759	10	321.83	50	321.74	3759
8-20-69	1540	4290	10	321.96			
8-29-69	1540	4290	10	322.13			
9-10-69	1540	4290	10	321.95			
9-17-69	1540	4290	10	322.01			
9-24-69	1540	4290	10	322.02	50	322.01	4290
9-24-69	1540	2418	10	319.63			
10-1-69	1540	2418	10	319.66			
10-8-69	1540	2418	10	319.62			
10-17-69	1540	2418	10	319.74			
10-27-69	1540	2418	10	319.65	50	319.66	2418
10-27-69	1540	4292	10	324.27			
11-7-69	1540	4292	10	324.52			
11-14-69	1540	4292	10	324.20			
11-21-69	1540	4292	10	324.47			
12-1-69	1540	4292	10	324.26	50	324.35	4292
12-1-69	1540	4277	10	320.13			
12-10-69	1540	4277	10	320.32			
12-17-69	1540	4277	10	320.25			
12-29-69	1540	4277	10	320.33			
1-5-70	1540	4277	10	320.44	50	320.29	4277

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set No. of Comparisons	Index	Wt'd Average No. of Comparisons	Index	Compared Tank No.
1-5-70	1540	11080	10	325.51			
1-14-70	1540	11080	10	325.44			
1-20-70	1540	11080	10	325.55			
1-28-70	1540	11080	10	325.56			
2-4-70	1540	11080	10	325.50	50	325.51	11080
2-4-70	1540	3758	10	323.15			
2-16-70	1540	3758	10	323.17			
2-24-70	1540	3758	10	323.19			
3-2-70	1540	3758	10	323.27			
3-9-70	1540	3758	10	323.09	50	323.18	3758
3-9-70	1540	11089	10	323.32			
3-16-70	1540	11089	10	323.50			
3-27-70	1540	11089	10	323.42			
4-3-70	1540	11089	10	323.36			
4-13-70	1540	11089	10	323.49	50	323.42	11089
4-13-70	1540	11083	10	323.66			
4-20-70	1540	11083	10	323.84			
4-27-70	1540	11083	10	323.71			
5-4-70	1540	11083	10	323.73			
5-11-70	1540	11083	10	323.60	50	323.71	11083
5-11-70	1540	2426	10	324.42			
5-18-70	1540	2426	10	324.63			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons	Index	
5-27-70	1540	2426	10	324.47			
6-5-70	1540	2426	10	324.60			
6-12-70	1540	2426	10	324.60	50	324.54	2426
6-12-70	1540	3752	10	320.22			
6-22-70	1540	3752	10	320.21			
6-29-70	1540	3752	10	320.22			
7-6-70	1540	3752	10	320.28			
7-13-70	1540	3752	10	320.20	50	320.23	3752
7-13-70	1540	6081	10	321.82			
7-24-70	1540	6081	10	321.86			
7-31-70	1540	6081	10	321.83			
8-7-70	1540	6081	10	321.89			
8-14-70	1540	6081	10	321.92	50	321.86	6081
8-14-70	1540	6060	10	321.90			
8-24-70	1540	6060	10	322.02			
8-31-70	1540	6060	10	322.02			
9-11-70	1540	6060	10	322.15			
9-18-70	1540	6060	10	322.09	50	322.03	6060
9-18-70	1540	3756	10	322.89			
9-29-70	1540	3756	10	322.90			
10-5-70	1540	3756	10	323.02			
10-16-70	1540	3756	10	322.88			

TABLE 6. Index Values of Working Reference Gases

Col. 1	2	3	4	5	6	7	8
Date of Analysis	(Sub) Standard Tank No.	Compared Tank No.	Single Set No. of Comparisons	Index	Wt'd Average No. of Comparisons	Index	Compared Tank No.
10-23-70	1540	3756	10	322.85	50	322.91	3756
10-23-70	1540	4285	10	324.22			
11-2-70	1540	4285	10	324.30			
11-9-70	1540	4285	10	324.33			
11-16-70	1540	4285	10	324.38			
11-23-70	1540	4285	10	324.33	50	324.31	4285
11-23-70	1540	136	10	324.59			
11-30-70	1540	136	10	324.70			
12-8-70	1540	136	10	324.74			
12-18-70	1540	136	10	324.77			
12-21-70	1540	136	10	324.68	50	324.70	136
12-21-70	1540	11076	10	319.66			
12-29-70	2423	11076	10	319.92			
1-4-71	2423	11076	10	319.92			
1-11-71	2423	11076	10	320.01			
1-18-71	2423	11076	10	319.92	50	319.89	11076

TABLE 7. COMBINED SCRIPPS AND MAUNA LOA INDEX VALUES OF WORKING REFERENCE GASES

1	2	3	4	5	6	7	8	9
AT SCRIPPS PRE- AND POSTFIELD COMBINED			AT MAUNA LOA		INDEX DIFFERENCE (MLO-SIO)	MLO AND SIO COMBINED		DATE JSE BEGAN
TANK NO.	NO. OF COMPARI- SONS	WT D. AV. INDEX	NO. OF COMPARI- SONS	WT D. AV. INDEX		NC. OF COMPARI- SONS	WT D. AV. INDEX	
II TANK 2403 IN USE								
3756	34	313.73	31	313.68	-.05	65	313.71	1 2 64
3758	21	312.15	20	312.15	.00	41	312.15	6 1 64
4285	20	312.94	31	312.94	-.00	51	312.94	6 23 64
3754	22	312.12	41	312.17	.05	63	312.15	7 17 64
4295	20	313.80	10	313.73	-.02	30	313.79	8 13 64
4296	20	310.79	40	310.81	.01	60	310.79	8 18 64
3753	20	313.20	55	313.41	.21	75	313.35	9 4 64
3759	20	313.54	71	313.54	-.00	91	313.54	10 9 64
2407	22	314.26	50	314.37	.11	72	314.33	11 7 64
4295	20	313.80	40	313.84	.04	60	313.83	12 2 64
2425	21	313.72	50	313.51	-.21	71	313.57	12 23 64
2419	20	314.63	50	314.47	-.16	70	314.51	1 20 65
11076	21	312.34	30	312.39	.05	51	312.37	2 17 65
II TANK 136 IN USE								
132	20	313.14	50	313.17	.03	70	313.16	3 15 65
18219	21	313.50	49	313.62	.12	70	313.58	4 12 65
6052	20	312.07	49	312.17	.10	69	312.14	5 12 65
2400	24	312.45	46	312.67	.22	70	312.59	6 19 65
4284	23	311.93	49	312.01	.02	72	312.00	7 21 65
4278	20	312.10	50	312.23	.13	70	312.19	8 22 65
7366	20	311.88	48	311.95	.08	68	311.94	10 4 65
4290	22	312.41	27	312.59	.18	49	312.51	11 12 65
11081	21	317.95	49	318.21	.26	70	318.13	11 26 65
3755	20	317.46	50	317.53	.07	70	317.55	1 5 66
11078	20	320.38	49	320.57	.19	69	320.51	2 10 66
148	20	320.15	50	320.21	.05	70	320.19	3 10 66
7364	22	321.71	49	321.81	.09	71	321.77	4 10 66

TABLE 7. COMBINED SCRIPPS AND MAUNA LOA INDEX VALUES OF WORKING REFERENCE GASES

1	2	3	4	5	6	7	8	9
AT SCRIPPS PRE- AND POSTFIELD COMBINED			AT MAUNA LOA			MLO AND SIO COMBINED		
TANK NO.	NO. OF COMPARI- SONS	WT D. AV. INDEX	NO. OF COMPARI- SONS	WT D. AV. INDEX	INDEX DIFFERENCE (MLO-SIO)	NO. OF COMPARI- SONS	WT D. AV. INDEX	DATE JSE BEGAN
II TANK 136 IN USE								
18220	20	320.28	50	320.32	.04	70	320.31	5 10 66
181	20	322.40	50	322.27	-.13	70	322.31	6 4 66
II TANK 6078 IN USE								
2421	31	322.31	50	322.35	.05	81	322.34	6 28 66
11092	20	322.93	50	322.91	-.03	70	322.91	8 13 66
4277	31	322.69	50	322.79	.10	81	322.75	9 6 66
7362	21	318.04	49	318.13	.14	70	318.13	10 2 66
11080	30	311.11	49	311.15	.04	79	311.14	11 12 66
4276	31	311.30	50	311.32	.02	81	311.31	12 4 66
18220	22	322.26	50	322.31	.05	72	322.29	1 1 67
4278	20	323.16	50	323.13	-.02	70	323.17	2 14 67
11078	20	325.34	40	325.34	-.00	60	325.34	3 15 67
7364	21	324.67	50	324.45	-.21	71	324.52	4 12 67
3759	21	318.89	50	318.73	-.11	71	318.81	5 17 67
11083	21	323.65	50	323.52	-.13	71	323.56	6 14 67
181	21	321.45	40	321.37	-.08	61	321.40	7 11 67
11080	23	320.29	39	320.31	.01	62	320.30	8 4 67
11092	22	320.30	50	320.34	.04	72	320.33	8 27 67
7362	20	321.10	43	321.03	-.02	63	321.09	9 24 67
4277	21	320.62	47	320.52	-.10	68	320.55	10 18 67
2421	22	315.29	50	315.29	.00	72	315.29	11 14 67
2426	20	320.46	50	320.37	-.09	70	320.39	12 10 67
3757	20	321.44	50	321.33	-.11	70	321.36	1 3 68
4290	22	318.62	50	318.53	-.04	72	318.59	1 22 68
II TANK 7344 IN USE								
II TANK 3756 IN USE								
3759	20	319.28	50	319.23	-.05	70	319.24	2 11 68

TABLE 7. COMBINED SCRIPPS AND MAUNA LOA INDEX VALUES OF WORKING REFERENCE GASES

1	2	3	4	5	6	7	8	9
AT SCRIPPS PRE- AND POSTFIELD COMBINED			AT MAUNA LOA			MLO AND SIO COMBINED		
TANK NO.	NO. OF COMPARI- SONS	WT D. AV. INDEX	NO. OF COMPARI- SONS	WT D. AV. INDEX	INDEX DIFFERENCE (MLO-SIO)	NO. OF COMPARI- SONS	WT D. AV. INDEX	DATE JSE BEGAN
II TANK 3756 IN USE								
3752	20	318.80	50	318.83	.08	70	318.86	3 6 68
11089	22	319.92	40	319.80	-.12	62	319.84	3 31 68
11083	20	323.60	50	323.65	.06	70	323.64	4 24 68
4275	21	324.45	50	324.37	-.08	71	324.39	5 14 68
11081	20	322.94	39	322.85	-.09	59	322.88	6 7 68
2405	20	321.80	49	321.79	-.01	69	321.79	7 2 68
4295	20	321.92	49	321.95	.03	69	321.94	8 2 68
2419	30	316.67	46	316.71	.03	76	316.69	9 6 68
4297	20	322.65	45	322.61	-.04	65	322.62	10 8 68
2423	22	319.83	45	319.77	-.06	67	319.79	11 8 68
II TANK 1540 IN USE								
11092	20	321.89	22	321.79*	-.10	42	321.84	12 17 68
II TANK 1540 IN USE								
4283	20	322.76	50	322.75	-.00	70	322.76	1 21 69
181	23	323.08	50	323.14	.06	73	323.12	2 24 69
2407	21	323.31	50	323.40	.09	71	323.37	4 1 69
1008	19	324.81	50	324.94	.13	69	324.90	5 7 69
6060	31	316.60	50	316.82	.22	81	316.73	6 9 69
3759	21	321.69	50	321.74	.05	71	321.72	7 14 69
4290	20	321.95	50	322.01	.06	70	322.00	8 20 69
2418	20	319.60	50	319.65	.06	70	319.64	9 24 69
4292	30	324.24	50	324.35	.11	80	324.31	10 27 69
4277	22	320.18	50	320.29	.11	72	320.26	12 1 69
11080	30	325.39	50	325.51	.12	80	325.47	1 5 70

*Calibration measurements made on January 14, 1969 omitted from average

TABLE 7. COMBINED SCRIPPS AND MAUNA LOA INDEX VALUES OF WORKING REFERENCE GASES

1	2	3	4	5	6	7	8	9
AT SCRIPPS PRE- AND POSTFIELD COMBINED			AT MAUNA LOA			MLO AND SIO COMBINED		
TANK COMPARI- NO,	NO. OF SONS	WT D. AV, INDEX	NO. OF COMPARI- SONS	WT D. AV. INDEX	INDEX DIFFERENCE (MLO-SIO)	NO. OF COMPARI- SONS	WT D. AV. INDEX	DATE USE BEGAN
II TANK 1540 IN USE								
3758	30	323.02	50	323.18	.16	80	323.12	2 4 70
11089	30	323.18	50	323.42	.24	80	323.33	3 9 70
11083	30	323.47	50	323.71	.24	80	323.62	4 13 70
2426	30	324.30	50	324.54	.24	80	324.45	5 11 70
3752	20	320.21	50	320.23	.02	70	320.22	6 12 70
6081	31	321.91	50	321.85	-.05	81	321.88	7 13 70
6060	29	321.84	50	322.03	.19	79	321.96	8 14 70
3756	30	322.77	50	322.91	.14	80	322.86	9 18 70
4285	26	324.12	50	324.31	.19	76	324.25	10 23 70
136	30	324.59	50	324.71	.11	80	324.66	11 23 70
11076	31	319.91	50	319.89	-.02	81	319.90	12 21 70

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS	
6 1 64	3758	312,15	.82414	1515-2400	318.87	34	318.87	34	
6 2 64	3758	312,15	.82378	0000-1900	319.17	55	319.17	55	
6 3 64	3758	312,15	.82342	1815-2200	318.61	9	318.61	9	
6 4 64	3758	312,15	.82306	0000-2400	318.92	52	318.92	52	
6 5 64	3758	312,15	.82270	0000-2400	319.05	65	319.05	65	
6 6 64	3758	312,15	.82234	0000-1100	319.45	43	319.45	43	
6 11 64	3758	312,15	.82056		318.45	36	0	0	
6 23 64	4285	312,94	.81630		317.73	34	0	0	
6 24 64	4285	312,94	.81595		318.17	74	0	0	
6 25 64	4285	312,94	.81559		318.50	77	0	0	
6 26 64	4285	312,94	.81524	0000-2200	318.09	69	318.16	62	
6 27 64	4285	312,94	.81489		318.42	77	0	0	
6 28 64	4285	312,94	.81454	0000-1100	318.45	76	318.70	37	
6 29 64	4285	312,94	.81419	0000-1200	317.64	74	318.81	28	
6 30 64	4285	312,94	.81383		317.03	43	0	0	

MONTHLY AVERAGES

318.44 (15 DAYS), 318.86 (9 DAYS)

7 1 64	4285	312,94	.81348	0000-2400	317.99	71	317.99	71
7 2 64	4285	312,94	.81313		317.02	50	0	0
7 3 64	4285	312,94	.81278		317.93	85	0	0
7 4 64	4285	312,94	.81243	0315-0900, 2015-2400	317.97	83	318.20	31
7 5 64	4285	312,94	.81208	0000-0400, 2115-2400	317.98	94	318.33	27
7 6 64	4285	312,94	.81173	0000-0800, 2015-2400	317.96	88	317.99	39
7 7 64	4285	312,94	.81139		317.44	70	0	0
7 8 64	4285	312,94	.81104		317.76	94	0	0
7 9 64	4285	312,94	.81069		316.91	95	0	0
7 10 64	4285	312,94	.81034		317.02	95	0	0
7 11 64	4285	312,94	.80999		317.31	96	0	0

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
7 12 64	4285	312.94	.80965			317.51	96	0	0
7 13 64	4285	312.94	.80930	1815-2400		316.82	89	317.28	23
7 14 64	4285	312.94	.80895	0000-1000, 2115-2400		316.60	96	316.66	51
7 15 64	4285	312.94	.80861	0000-1300		317.04	96	317.69	52
7 16 64	4285	312.94	.80826	0115-1000, 1915-2400		316.81	94	317.15	54
7 17 64	4285	312.94	.80791	0000-0700					
7 17 64	3754	312.15	.80791			316.43	66	317.04	25
7 18 64	3754	312.15	.80757	0815-2400		317.45	95	316.89	63
7 19 64	3754	312.15	.80722	0000-2400		317.43	96	317.43	96
7 20 64	3754	312.15	.80688	0000-2400		317.57	96	317.57	96
7 21 64	3754	312.15	.80653	0000-2400		316.92	94	316.92	94
7 22 64	3754	312.15	.80619	0000-0800, 2015-2400		316.59	96	317.01	47
7 23 64	3754	312.15	.80584	0000-1200, 2115-2400		316.65	91	316.95	58
7 24 64	3754	312.15	.80550			316.48	88	0	0
7 25 64	3754	312.15	.80516			317.35	74	0	0
7 26 64	3754	312.15	.80481	0000-1200, 1915-2400		316.43	96	316.93	67
7 27 64	3754	312.15	.80447	0000-0400, 1315-2400		317.06	94	316.84	58
7 28 64	3754	312.15	.80413	0000-1200, 1715-2400		316.89	95	316.93	74
7 29 64	3754	312.15	.80379	0000-0800		315.98	95	316.69	32
7 30 64	3754	312.15	.80344			315.37	72	0	0
7 31 64	3754	312.15	.80310	0000-0700		314.61	96	315.45	28
MONTHLY AVERAGES						317.01 (31 DAYS),	317.20 (20 DAYS)		
8 1 64	3754	312.15	.80276			314.64	94	0	0
8 2 64	3754	312.15	.80242			315.09	47	0	0
8 6 64	3754	312.15	.80106			314.19	35	0	0
8 7 64	3754	312.15	.80072			315.16	83	0	0
8 8 64	3754	312.15	.80038			315.36	96	0	0

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
8 9 64	3754	312,15	.80004			315,60	1	0	0
8 11 64	3754	312,15	.79936			315,08	52	0	0
8 12 64	3754	312,15	.79902	0115-1200		315,67	94	316.37	43
8 13 64	3754	312,15	.79868	0000-0800					
8 13 64	4295	313,79	.79868			313,66	68	315,67	30
8 14 64	4295	313,79	.79835			314,49	96	0	0
8 15 64	4295	313,79	.79801			314,71	81	0	0
8 16 64	4295	313,79	.79767			313,93	71	0	0
8 17 64	4295	313,79	.79734	0915-2400		315,39	96	315,01	59
8 18 64	4295	313,79	.79700	0000-0700					
8 18 64	4296	310,79	.79700	1915-2400		315,12	76	314,93	44
8 19 64	4296	310,79	.79666	0000-0700, 2115-2400		315,01	95	315,58	39
8 20 64	4296	310,79	.79633	0000-0700, 2015-2400		314,81	91	315,34	43
8 21 64	4296	310,79	.79599	0000-0600, 1815-2400		314,97	96	315,43	47
8 22 64	4296	310,79	.79565	0000-0600		314,26	96	315,47	24
8 23 64	4296	310,79	.79532			313,74	96	0	0
8 24 64	4296	310,79	.79498	0000-0700		313,80	78	314,17	28
8 25 64	4296	310,79	.79465	0000-0900		314,77	95	314,95	36
8 26 64	4296	310,79	.79432			314,47	96	0	0
8 27 64	4296	310,79	.79398			315,05	94	0	0
8 28 64	4296	310,79	.79365	0000-2400		315,10	96	315,08	94
8 29 64	4296	310,79	.79331	0000-2400		315,20	81	315,20	81
8 30 64	4296	310,79	.79298	0000-2400		315,06	96	315,02	74
8 31 64	4296	310,79	.79265	0000-1300, 2015-2400		314,73	96	315,01	65
MONTHLY AVERAGES						314,78 (27 DAYS),		315,23 (14 DAYS)	
9 1 64	4296	310,79	.79232	0000-0700		313,97	96	314,84	28
9 2 64	4296	310,79	.79198			312,91	96	0	0

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
9 3 64	4296	310,79	,79165	0000-2400		313.83	96	313.84	93
9 4 64	4296	310,79	,79132	0000-0700					
9 4 64	3753	313,35	,79132			313.01	69	314.57	26
9 5 64	3753	313,35	,79099			314.60	95	0	0
9 6 64	3753	313,35	,79066	0000-0600, 1815-2400		314.66	96	314.83	47
9 7 64	3753	313,35	,79033	0000-1300		314.45	96	314.61	52
9 8 64	3753	313,35	,78999	0000-2400		314.39	96	314.41	88
9 9 64	3753	313,35	,78966	0000-1200, 1915-2400		313.74	96	314.21	67
9 10 64	3753	313,35	,78933	0000-0800, 1915-2400		313.64	94	313.98	48
9 11 64	3753	313,35	,78900			314.37	96	0	0
9 12 64	3753	313,35	,78867	0000-1000		312.80	96	313.66	40
9 13 64	3753	313,35	,78835			312.34	78	0	0
9 14 64	3753	313,35	,78802			313.22	96	0	0
9 15 64	3753	313,35	,78769	1515-2400		312.82	96	312.46	35
9 16 64	3753	313,35	,78736	0000-2400		312.41	94	312.43	93
9 17 64	3753	313,35	,78703	0000-0700		312.73	96	312.78	28
9 18 64	3753	313,35	,78670			313.64	41	0	0
9 23 64	3753	313,35	1,84997			313.60	39	0	0
9 24 64	3753	313,35	1,84997	0000-2400		314.56	96	314.28	89
9 25 64	3753	313,35	1,84997	0415-2400		313.75	95	313.72	78
9 26 64	3753	313,35	1,84997			312.99	15	0	0
9 30 64	3753	313,35	2,80049			312.80	51	0	0
MONTHLY AVERAGES						313.56 (23 DAYS),	313.90 (14 DAYS)		
10 1 64	3753	313,35	2,80049	0000-2400		313.27	87	313.27	87
10 2 64	3753	313,35	2,80049	0000-2400		314.37	83	314.24	77
10 3 64	3753	313,35	2,80049	0000-2400		314.07	96	314.01	87
10 4 64	3753	313,35	2,80049	0000-0700		313.94	28	314.12	12

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
10 5 64	3753	313.35	2.80049			314.03	23	0	0
10 6 64	3753	313.35	2.80049			315.19	95	0	0
10 7 64	3753	313.35	2.80049	0715-2400		314.64	96	313.80	67
10 8 64	3753	313.35	2.80049	1115-2400		314.90	96	313.42	51
10 9 64	3759	313.54	2.80049	1415-2400		313.81	70	313.47	39
10 10 64	3759	313.54	2.80049	0000-2400		313.48	96	313.47	95
10 11 64	3759	313.54	2.80049	0000-2400		313.70	96	313.64	95
10 12 64	3759	313.54	2.80049	1315-2400		313.54	82	312.90	43
10 13 64	3759	313.54	2.80049	0000-2400		313.30	96	313.27	95
10 14 64	3759	313.54	2.80049	0000-2400		313.45	95	313.45	95
10 15 64	3759	313.54	2.80049	0000-2400		313.55	85	313.55	85
10 16 64	3759	313.54	2.80049	0000-2400		313.85	95	313.86	94
10 17 64	3759	313.54	2.80049	0000-2400		313.79	96	313.76	93
10 18 64	3759	313.54	2.80049	0000-0800, 1115-2400		313.26	83	313.26	83
10 19 64	3759	313.54	2.80049	0000-2400		313.77	96	313.77	96
10 20 64	3759	313.54	2.80049	0000-1000		314.39	37	314.39	37
10 21 64	3759	313.54	2.80049	1015-2400		313.80	53	313.80	53
10 22 64	3759	313.54	2.80049	0000-1300		314.04	49	314.04	49
10 23 64	3759	313.54	.81281			313.44	19	0	0
10 24 64	3759	313.54	.81281			314.82	73	0	0
10 25 64	3759	313.54	.81281			313.77	23	0	0
10 29 64	3759	313.54	.97229	1715-2400		314.02	35	314.24	27
10 30 64	3759	313.54	.97229	0000-1000, 1415-2400		314.48	73	314.45	72
10 31 64	3759	313.54	.89563	0000-2400		314.84	96	314.84	96
MONTHLY AVERAGES						313.98 (28 DAYS),	313.78 (23 DAYS)		
11 1 64	3759	313.54	.89597	0000-2400		314.53	85	314.53	85

TABLE 8, DAI LY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
11 2 64	3759	313,54	.89630	0000-0500,	0715-2400	314.74	96	314.52	86
11 3 64	3759	313,54	.89664	0000-2400		314.38	96	314.38	96
11 4 64	3759	313,54	.89698	0000-2400		314.29	96	314.29	95
11 5 64	3759	313,54	.89732	0000-2400		314.27	95	314.27	95
11 6 64	3759	313,54	.89766	0000-2400		314.60	96	314.61	93
11 7 64	3759	313,54	.89800	0000-0500					
11 7 64	2407	314,33	.89800	1315-2400		314.68	71	314.56	62
11 8 64	2407	314,33	.89834	0000-2400		314.80	96	314.80	96
11 9 64	2407	314,33	.89868	0000-2400		314.64	96	314.64	96
11 10 64	2407	314,33	.89902	0000-2400		315.14	96	315.12	95
11 11 64	2407	314,33	.89936	0000-2400		314.85	96	314.81	93
11 12 64	2407	314,33	.89970	0000-2400		314.66	96	314.64	94
11 13 64	2407	314,33	.90004	0000-0600,	0915-2400	314.72	96	314.48	79
11 14 64	2407	314,33	.90038	0000-2400		314.13	96	314.13	96
11 15 64	2407	314,33	.90072	0000-2400		314.45	79	314.43	77
11 16 64	2407	314,33	.90106	0000-2400		314.70	96	314.69	95
11 17 64	2407	314,33	.90140	0000-0800,	1715-2400	314.31	96	314.32	59
11 18 64	2407	314,33	.90174	0000-0100,	1515-2400	314.40	96	314.30	39
11 19 64	2407	314,33	.90209	0000-2400		314.64	96	314.57	89
11 20 64	2407	314,33	.90243	0000-2400		314.09	95	314.09	95
11 21 64	2407	314,33	.90277	0000-0700,	1215-2400	314.34	74	314.34	74
11 22 64	2407	314,33	.90311	0000-2200		314.37	96	314.26	83
11 23 64	2407	314,33	.90346	0000-2400		314.59	96	314.59	95
11 24 64	2407	314,33	.90380			316.02	96	0	0
11 25 64	2407	314,33	.90414			315.00	96	0	0
11 26 64	2407	314,33	.90449	1115-2400		314.73	80	314.48	51
11 27 64	2407	314,33	.90483	0000-1500,	1615-2400	315.04	88	315.01	85
11 28 64	2407	314,33	.90518	0115-2400		315.03	96	314.99	90
11 29 64	2407	314,33	.90552	0000-2400		315.19	96	315.19	96

TABLE 8, DAI_LY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	3 INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
11 30 64	2407	314,33	,90587	0000-2400	315,12	95	315.12	95	
MONTHLY AVERAGES					314,68 (30 DAYS),	314,58 (28 DAYS)			
12 1 64	2407	314,33	,90621	0000-2400	314.85	95	314.85	95	
12 2 64	2407	314,33	,90656	0000-0900					
12 2 64	4295	313,83	,90656	1445-2400	315,09	73	315.09	72	
12 3 64	4295	313,83	,90690		314,99	96	0	0	
12 4 64	4295	313,83	,90725	0000-2400	314,84	96	314.84	96	
12 5 64	4295	313,83	,90760	0000-2400	315,23	96	315.23	96	
12 6 64	4295	313,83	,90794	0000-2400	315,37	96	315.36	94	
12 7 64	4295	313,83	,90829	0000-2400	315,38	96	315.38	96	
12 8 64	4295	313,83	,90864	0000-2400	315,25	96	315.26	95	
12 9 64	4295	313,83	,90898	0000-2400	315,32	94	315.24	88	
12 10 64	4295	313,83	,90933	0000-2400	315,12	96	315.11	95	
12 11 64	4295	313,83	,90968	0000-0800, 1415-2400	315,08	71	315.07	70	
12 12 64	4295	313,83	,91003	0000-2400	315,47	96	315.47	91	
12 13 64	4295	313,83	,91038	0000-2400	315,63	96	315.63	96	
12 14 64	4295	313,83	,91073	0000-2400	315,32	96	315.30	94	
12 15 64	4295	313,83	,91107	0000-2400	315,48	96	315.47	95	
12 16 64	4295	313,83	,91142	0000-2400	315,44	95	315.42	92	
12 17 64	4295	313,83	,91177	0000-2400	315,32	82	315.32	82	
12 18 64	4295	313,83	,91212	0000-1000, 1915-2400	315,57	93	315.63	59	
12 19 64	4295	313,83	,91247	0415-2400	315,70	96	315.65	79	
12 20 64	4295	313,83	,91282	0000-2400	315,90	96	315.90	96	
12 21 64	4295	313,83	,91317	0000-2400	315,99	93	315.98	90	
12 22 64	4295	313,83	,91353	0000-1000, 1515-2400	315,81	68	315.81	68	
12 23 64	4295	313,83	,91388						
12 23 64	2425	313,57	,91388		316,74	55	0	0	

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	RECORD	ALL DATA MANO-METRIC CONC.	NO. OF COMPARI-SONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARI-SONS
12 24 64	2425	313.57	.91423	0000-2400		315.77	96	315.77	96
12 25 64	2425	313.57	.91458	0000-2400		315.79	96	315.79	96
12 26 64	2425	313.57	.91493	0000-2400		315.83	96	315.83	96
12 27 64	2425	313.57	.91528	0000-2400		315.69	96	315.69	96
12 28 64	2425	313.57	.91564	0000-2400		315.67	92	315.67	92
12 29 64	2425	313.57	.91599	0000-2400		315.67	96	315.67	91
12 30 64	2425	313.57	.91634	0000-2400		315.99	95	315.99	95
12 31 64	2425	313.57	.91670	0000-1400, 1815-2400		315.81	96	315.99	79

MONTHLY AVERAGES

315.52 (31 DAYS), 315.50 (29 DAYS)

1 1 65	2425	313.57	.91705			316.06	96	0	0
1 2 65	2425	313.57	.91740	1645-2400		316.33	82	315.68	29
1 3 65	2425	313.57	.91776	0000-2400		315.92	96	315.91	95
1 4 65	2425	313.57	.91811	0000-1400		315.48	96	315.99	56
1 5 65	2425	313.57	.91847			316.73	96	0	0
1 6 65	2425	313.57	.91882	0000-2400		315.94	95	315.94	94
1 7 65	2425	313.57	.91918	0000-2400		315.97	96	315.96	95
1 8 65	2425	313.57	.91953	0000-0900, 1415-2400		315.84	75	315.83	74
1 9 65	2425	313.57	.91989	0000-2400		316.01	96	316.01	96
1 10 65	2425	313.57	.92025	0000-2400		316.03	96	316.03	96
1 11 65	2425	313.57	.92060	0000-2400		316.17	96	316.17	96
1 12 65	2425	313.57	.92096	0000-2400		316.02	96	315.98	94
1 13 65	2425	313.57	.92132	0000-1000, 1215-2400		316.03	82	316.03	82
1 14 65	2425	313.57	.92167	0000-2400		315.95	94	315.95	89
1 15 65	2425	313.57	.92203	0000-2400		316.29	96	316.29	96
1 16 65	2425	313.57	.92239	0000-2400		315.77	96	315.77	96
1 17 65	2425	313.57	.92275	0000-2400		315.89	96	315.89	96
1 18 65	2425	313.57	.92310	0000-2400		316.05	96	316.05	96

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
1 19 65	2425	313.57	.92346	0000-0900, 1015-2400		315.80	91	315.80	91
1 20 65	2425	313.57	.92382						
1 20 65	2419	314.51	.92382			316.28	69	0	0
1 21 65	2419	314.51	.92418			316.66	95	0	0
1 22 65	2419	314.51	.92454			316.98	96	0	0
1 23 65	2419	314.51	.92490	0000-2400		316.95	96	316.95	96
1 24 65	2419	314.51	.92526	0000-2400		316.53	96	316.52	94
1 25 65	2419	314.51	.92562	0000-2400		316.82	96	316.82	96
1 26 65	2419	314.51	.92598	0000-2400		316.38	96	316.38	92
1 27 65	2419	314.51	.92634	0000-2400		316.77	96	316.69	92
1 28 65	2419	314.51	.92670	0000-2400		316.76	94	316.52	86
1 29 65	2419	314.51	.92706	0000-1100, 1315-2400		316.79	82	316.79	82
1 30 65	2419	314.51	.92743	0000-2400		317.39	79	317.39	79
1 31 65	2419	314.51	.92779	0000-2400		317.12	96	317.12	96
MONTHLY AVERAGES						316.31 (31 DAYS),		316.25 (26 DAYS)	
2 1 65	2419	314.51	.92815	0000-2400		317.27	92	317.27	92
2 2 65	2419	314.51	.92851	0000-2400		317.23	94	317.21	93
2 3 65	2419	314.51	.92888	0000-2400		317.28	96	317.20	92
2 4 65	2419	314.51	.92924	0000-0900, 1415-2400		317.44	73	317.33	66
2 5 65	2419	314.51	.92960	0000-2400		317.22	96	317.22	96
2 6 65	2419	314.51	.92997	0000-2400		316.99	96	316.99	96
2 7 65	2419	314.51	.93033	0000-1100, 1615-2400		317.03	73	317.03	73
2 8 65	2419	314.51	.93069	0000-2400		316.95	96	316.95	96
2 9 65	2419	314.51	.93106	0000-2400		316.92	94	316.92	94
2 10 65	2419	314.51	.93142	0000-1000, 1415-2400		316.74	78	316.75	74
2 11 65	2419	314.51	.93179	0000-2400		316.92	94	316.91	93
2 12 65	2419	314.51	.93215	0000-2400		317.29	96	317.29	96

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
2 13 65	2419	314,51	,93252	0000-1300		317.63	96	317.77	52
2 14 65	2419	314,51	,93289	0545-2400		317.42	96	316.97	69
2 15 65	2419	314,51	,93325	0000-2400		316.65	96	316.65	94
2 16 65	2419	314,51	,93362	0000-2400		317.15	96	317.00	90
2 17 65	2419	314,51	,93398	0000-1000					
2 17 65	11076	312,37	,93398	1515-2400		317.23	71	317.23	71
2 18 65	11076	312,37	,93435	0000-2400		317.71	96	317.71	96
2 19 65	11076	312,37	,93472	0000-2400		317.67	96	317.67	96
2 20 65	11076	312,37	,93509	0000-2400		317.67	95	317.67	95
2 21 65	11076	312,37	,93546	0000-2400		317.51	96	317.51	96
2 22 65	11076	312,37	,93582	0000-2400		317.66	96	317.66	96
2 23 65	11076	312,37	,93619	0000-2400		317.23	94	317.20	89
2 24 65	11076	312,37	,93656	0000-0700, 0815-2400		317.44	89	317.45	88
2 25 65	11076	312,37	,93693	0000-2400		317.88	96	317.88	96
2 26 65	11076	312,37	,93730	0000-2400		318.27	95	318.27	95
2 27 65	11076	312,37	,93767	0000-1900		318.09	96	317.89	76
2 28 65	11076	312,37	,93804			317.97	96	0	0
MONTHLY AVERAGES						317,37 (28 DAYS),		317,32 (27 DAYS)	
3 1 65	11076	312,37	,93841	0115-2400		317.45	96	317.43	86
3 2 65	11076	312,37	,93878	0115-2400		317.33	96	317.27	89
3 3 65	11076	312,37	,93915	0000-2400		317.56	96	317.56	96
3 4 65	11076	312,37	,93952	0000-2400		317.57	73	317.58	72
3 5 65	11076	312,37	,93989	0000-2400		318.33	96	318.33	94
3 6 65	11076	312,37	,94027			318.54	96	0	0
3 7 65	11076	312,37	,94064	0000-2400		318.20	96	318.20	96
3 8 65	11076	312,37	,94101	0000-2400		317.77	96	317.75	94
3 9 65	11076	312,37	,94138			319.12	96	0	0

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	RECORD FOR DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
3 10 65	11076	312,37	.94176	0000-0500,	0715-2400	318.09	96	317.81	85
3 11 65	11076	312,37	.94213	0000-0600,	1415-2400	318.01	91	317.88	61
3 12 65	11076	312,37	.94250	0215-2400		317.90	95	317.86	86
3 13 65	11076	312,37	.94288	0000-2400		317.75	96	317.75	96
3 14 65	11076	312,37	.94325	0715-2400		317.94	96	317.64	66
3 15 65	11076	312,37	.94362	0000-1445!					
3 15 65	132	313,16	.94362	1500-2400		317.76	69	317.76	69
3 16 65	132	313,16	.94400	0000-2400		317.89	96	317.88	95
3 17 65	132	313,16	.94437	0000-2400		317.83	96	317.83	96
3 18 65	132	313,16	.94475	0000-2400		317.43	95	317.43	95
3 19 65	132	313,16	.94513	0000-0900,	1415-2400	317.08	96	316.70	75
3 20 65	132	313,16	.94550	0000-0800		317.37	96	316.62	32
3 21 65	132	313,16	.94588	0000-2400		317.77	96	317.75	92
3 22 65	132	313,16	.94625	0000-2400		317.52	95	317.45	90
3 23 65	132	313,16	.94663	0000-2400		317.70	96	317.68	93
3 24 65	132	313,16	.94701	0000-2400		317.97	94	317.96	92
3 25 65	132	313,16	.94739	0000-0900,	1315-2400	318.33	79	318.33	79
3 26 65	132	313,16	.94776	0000-2400		318.84	94	318.84	94
3 27 65	132	313,16	.94814	0000-2400		318.32	96	318.32	96
3 28 65	132	313,16	.94852	0000-2400		318.01	96	318.01	96
3 29 65	132	313,16	.94890	0000-2400		317.92	96	317.92	96
3 30 65	132	313,16	.94928	0000-2400		318.27	96	318.27	96
3 31 65	132	313,16	.94966	0000-1000,	1515-2400	318.46	75	318.46	75
MONTHLY AVERAGES						317.94 (31 DAYS),	317.80 (29 DAYS)		
4 1 65	132	313,16	.95004	0000-2400		318.57	94	318.57	93
4 2 65	132	313,16	.95042	0000-2400		318.82	96	318.78	94
4 3 65	132	313,16	.95080	0000-2400		318.41	96	318.40	95

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
4 4 65	132	313,16	,95118	0000-2400		318.77	95	318.74	91
4 5 65	132	313,16	,95156	0000-2400		319.41	96	319.40	95
4 6 65	132	313,16	,95194	0000-0900, 1715-2400		319.06	81	319.01	63
4 7 65	132	313,16	,95232	0000-2400		319.43	96	319.43	96
4 8 65	132	313,16	,95270	0000-0900		319.01	79	318.77	36
4 9 65	132	313,16	,95308			318.92	58	0	0
4 10 65	132	313,16	,95347			320.00	94	0	0
4 11 65	132	313,16	,95385			319.74	96	0	0
4 12 65	132	313,16	,95423	0000-0800				0	0
4 12 65	18219	313,58	,95423	1545-2400		319.10	71	319.10	65
4 13 65	18219	313,58	,95461	0000-2400		319.05	96	319.02	94
4 14 65	18219	313,58	,95500	0000-0600, 1615-2400		319.56	96	319.60	55
4 15 65	18219	313,58	,95538	0000-2400		319.58	96	319.58	96
4 16 65	18219	313,58	,95577	0000-2400		319.26	96	319.26	96
4 17 65	18219	313,58	,95615	0000-2400		319.41	96	319.41	96
4 18 65	18219	313,58	,95653	0000-2400		318.62	96	318.62	96
4 19 65	18219	313,58	,95692	0000-2400		318.25	89	318.23	88
4 20 65	18219	313,58	,95731	0000-0800		318.86	96	318.31	32
4 21 65	18219	313,58	,95769			318.89	95	0	0
4 22 65	18219	313,58	,95808	0000-1400		318.42	96	318.71	56
4 23 65	18219	313,58	,95846	0000-2400		318.29	39	318.35	37
4 24 65	18219	313,58	,94825	0515-2400		319.05	96	318.68	74
4 25 65	18219	313,58	,94974			318.39	95	0	0
4 26 65	18219	313,58	,95123	0000-0230		318.54	96	318.91	10
4 27 65	18219	313,58	,95272	0000-1400, 2115-2400		318.47	96	318.76	67
4 28 65	18219	313,58	,95422	0000-1200, 2115-2400		318.40	96	318.95	59
4 29 65	18219	313,58	,95572	0000-1000, 1515-2400		319.24	72	319.24	72
4 30 65	18219	313,58	,95722	0000-2400		319.19	94	319.19	94

MONTHLY AVERAGES

318.96 (30 DAYS), 318.92 (25 DAYS)

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
5 1 65	18219	313,58	,95874	0145-2400		319,38	96	319,39	89
5 2 65	18219	313,58	,96025	0000-2400		319,76	96	319,71	92
5 3 65	18219	313,58	,96177	0000-1000, 1215-2400		319,18	96	319,10	82
5 4 65	18219	313,58	,96330	0000-2400		319,35	95	319,34	92
5 5 65	18219	313,58	,96483	0000-2400		319,15	76	319,12	73
5 6 65	18219	313,58	,96637	0715-2400		319,34	96	319,03	64
5 7 65	18219	313,58	,96791	0000-0700, 2015-2400		319,29	52	318,82	42
5 8 65	18219	313,58	,96945			319,83	85	0	0
5 9 65	18219	313,58	,97100	1115-2400		319,77	96	319,15	47
5 10 65	18219	313,58	,97255	0045-0600, 1915-2400		319,39	95	319,18	39
5 11 65	18219	313,58	,97412	0000-0700, 2015-2400		319,09	96	318,95	43
5 12 65	18219	313,58	,97568	0000-0600					
5 12 65	6052	312,14	,97568			318,60	62	319,07	24
5 13 65	6052	312,14	,97725	0000-2400		319,22	95	319,23	94
5 14 65	6052	312,14	,97883	0000-2400		318,69	94	318,76	85
5 15 65	6052	312,14	,98041	0000-0700, 1515-2400		318,60	92	318,33	63
5 16 65	6052	312,14	,98200	0000-2400		318,42	93	318,41	92
5 17 65	6052	312,14	,98359	0315-2400		318,92	92	318,99	79
5 18 65	6052	312,14	,98518	0000-2400		319,24	95	319,24	95
5 19 65	6052	312,14	,98679	0000-0800, 2215-2400		318,78	95	319,09	38
5 20 65	6052	312,14	,98839	0000-0800, 1815-2400		319,27	91	319,11	53
5 21 65	6052	312,14	,99000	0000-2400		318,19	93	318,16	85
5 22 65	6052	312,14	,99162	0000-2400		318,43	96	318,45	94
5 23 65	6052	312,14	,99324	0000-2400		318,43	94	318,41	91
5 24 65	6052	312,14	,99487	0000-0700		318,25	70	318,62	28
5 25 65	6052	312,14	,99650	0515-2400		318,86	90	318,52	69
5 26 65	6052	312,14	,99814	0000-2400		318,92	94	318,92	94
5 27 65	6052	312,14	,99979	0000-2400		319,37	79	319,38	78
5 28 65	6052	312,14	1,00143			319,23	91	0	0

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO. INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA			ALL DATA MANO- METRIC CONC,	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
5 29 65	6052	312.14	1.00309	0815-2400		319.89	95	319.18	62
5 30 65	6052	312.14	1.00475			319.32	95	0	0
5 31 65	6052	312.14	1.00641	0215-2400		319.24	92	319.11	83
MONTHLY AVERAGES						319.08 (31 DAYS),		318.96 (28 DAYS)	
6 1 65	6052	312.14	1.00546	0000-1900		319.31	76	319.31	76
6 2 65	6052	312.14	1.00202	0315-2400		318.94	86	318.91	83
6 3 65	6052	312.14	.99862	0000-2400		318.74	92	318.74	92
6 4 65	6052	312.14	.99523	0915-2400		319.30	96	318.94	59
6 5 65	6052	312.14	.99187	0815-2400		319.41	96	319.11	63
6 6 65	6052	312.14	.98853	0000-2400		318.97	95	318.97	94
6 7 65	6052	312.14	.98521	0000-2400		318.86	95	318.74	64
6 8 65	6052	312.14	.98191	0000-0900, 1915-2400		318.40	92	318.36	53
6 9 65	6052	312.14	.97864	0000-1100, 1915-2400		318.27	71	318.34	60
6 10 65	6052	312.14	.97539	0000-2400		318.59	94	318.59	94
6 11 65	6052	312.14	.97216	0000-1200		318.39	79	318.98	46
6 12 65	6052	312.14	.96895	0000-2400		318.83	93	318.82	87
6 13 65	6052	312.14	.96576	0000-2400		318.99	96	318.97	93
6 14 65	6052	312.14	.96260	0000-2400		318.76	95	318.75	91
6 15 65	6052	312.14	.95945	1215-2400		318.78	95	318.65	45
6 16 65	6052	312.14	.95632	0000-2400		318.60	96	318.52	91
6 17 65	6052	312.14	.95322	0000-0900		318.38	89	318.75	36
6 18 65	6052	312.14	.95013	1515-2400		318.96	54	318.66	32
6 19 65	6052	312.14	.94707	0000-0700					
6 19 65	2400	312.59	.94707	1515-2400		318.87	57	318.87	57
6 20 65	2400	312.59	.94402	0000-2400		318.82	96	318.81	95
6 21 65	2400	312.59	.94100	0000-2400		318.58	96	318.58	95
6 22 65	2400	312.59	.93799	0000-2400		318.80	95	318.77	93

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO., INDEX	312.59	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	2015-2400	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
6 23 65	2400	312.59	.93500	0000-1200,	2015-2400	318.65	96	319.12	63
6 24 65	2400	312.59	.93203	0000-2400		319.00	95	318.98	93
6 25 65	2400	312.59	.91367	0000-0800		318.16	92	318.70	32
6 26 65	2400	312.59	.91387	0315-2400		318.68	96	318.59	83
6 27 65	2400	312.59	.91407	0315-1400,	2015-2400	318.99	96	319.04	54
6 28 65	2400	312.59	.91427	0000-2400		318.96	96	318.93	91
6 29 65	2400	312.59	.91447			316.57	80	0	0
6 30 65	2400	312.59	.91467	0215-2400		318.70	96	318.79	82
MONTHLY AVERAGES						318.71 (30 DAYS),		318.80 (29 DAYS)	
7 1 65	2400	312.59	.91487	0000-2400		319.04	96	319.03	93
7 2 65	2400	312.59	.91508	0000-2400		319.07	86	319.05	85
7 3 65	2400	312.59	.91528	0000-2400		318.81	95	318.81	95
7 4 65	2400	312.59	.91548	0000-2400		318.72	96	318.72	96
7 5 65	2400	312.59	.91568	0000-2400		319.26	96	319.10	88
7 6 65	2400	312.59	.91588	0000-2400		318.90	96	318.52	84
7 7 65	2400	312.59	.91609			318.50	78	0	0
7 8 65	2400	312.59	.91629	1215-2400		318.97	96	318.61	47
7 9 65	2400	312.59	.91649	1115-2400		318.91	96	318.51	51
7 10 65	2400	312.59	.91669	0000-2400		319.04	92	319.01	91
7 11 65	2400	312.59	.91689	0000-2400		318.36	96	318.36	95
7 12 65	2400	312.59	.91710	0000-2400		318.99	91	318.99	91
7 13 65	2400	312.59	.91730	0000-2400		318.85	96	318.86	93
7 14 65	2400	312.59	.91750	0000-2400		318.81	83	318.81	83
7 15 65	2400	312.59	.91771	0000-1300		317.98	96	318.59	52
7 16 65	2400	312.59	.91791			317.84	96	0	0
7 17 65	2400	312.59	.91811	0000-1100		317.75	94	318.52	43
7 18 65	2400	312.59	.91831			316.98	96	0	0

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
7 19 65	2400	312,59	,91852			318.12	96	0	0
7 20 65	2400	312,59	,91872			317.82	96	0	0
7 21 65	2400	312,59	,91892						
7 21 65	4284	312,00	,91892			318.40	72	0	0
7 22 65	4284	312,00	,91913	0215-2400		317.97	90	317.75	78
7 23 65	4284	312,00	,91933	0915-2400		317.69	66	317.69	59
7 24 65	4284	312,00	,91954	0000-1200, 2015-2400		317.26	95	317.86	63
7 25 65	4284	312,00	,91974	0000-1200, 1915-2400		316.57	96	317.18	67
7 26 65	4284	312,00	,91994	0000-1200, 2115-2400		316.43	96	316.90	59
7 27 65	4284	312,00	,92015	0000-1200		315.83	91	316.40	48
7 28 65	4284	312,00	,92035	0000-2400		316.10	84	316.10	83
7 29 65	4284	312,00	,92055	0000-1300		315.65	93	315.99	49
7 30 65	4284	312,00	,92076			316.18	90	0	0
7 31 65	4284	312,00	,92096			316.76	96	0	0

MONTHLY AVERAGES

317.92 (31 DAYS), 318.15 (23 DAYS)

8 1 65	4284	312,00	,92117	0000-1300		316.48	92	317.03	52
8 2 65	4284	312,00	,92137	0000-2400		316.25	90	316.25	90
8 3 65	4284	312,00	,92158	0000-2400		316.28	94	316.28	94
8 4 65	4284	312,00	,92178	0000-2400		316.20	94	316.20	94
8 5 65	4284	312,00	,92199	0000-0900, 1515-2400		316.21	94	315.95	71
8 6 65	4284	312,00	,92219	0000-0600, 1915-2400		316.08	43	316.08	43
8 7 65	4284	312,00	,92240	0000-2400		316.53	96	316.53	96
8 8 65	4284	312,00	,92260	0000-2400		316.38	95	316.38	95
8 9 65	4284	312,00	,92281	0000-2400		316.32	96	316.32	93
8 10 65	4284	312,00	,92301	0000-2400		316.79	95	316.72	87
8 11 65	4284	312,00	,92322	0000-2400		316.35	93	316.37	92
8 12 65	4284	312,00	,92342	0000-2400		315.16	88	315.16	88

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
8 13 65	4284	312.00	.92363	0000-2400	314.21	93	314.19	90	
8 14 65	4284	312.00	.92383	0000-1500, 2015-2400	314.13	70	314.12	69	
8 15 65	4284	312.00	.92404		313.92	95	0	0	
8 16 65	4284	312.00	.92424		314.60	75	0	0	
8 17 65	4284	312.00	.92445	0000-2400	314.61	92	314.61	92	
8 18 65	4284	312.00	.92466	0000-1500	314.66	58	314.66	58	
8 19 65	4284	312.00	.92486	0215-1300, 1915-2400	314.62	76	315.02	56	
8 20 65	4284	312.00	.92507	0000-1200, 1915-2400	315.44	95	315.96	67	
8 21 65	4284	312.00	.92527	0000-0900, 1915-2400	315.46	92	316.11	51	
8 22 65	4284	312.00	.92548	0000-0800					
8 22 65	4278	312.19	.92548		316.08	65	316.17	31	
8 23 65	4278	312.19	.92569		316.52	94	0	0	
8 24 65	4278	312.19	.92589	0000-2400	316.17	96	316.17	96	
8 25 65	4278	312.19	.92610	0000-1300	315.84	95	316.55	52	
8 26 65	4278	312.19	.92631		315.75	96	0	0	
8 27 65	4278	312.19	.92651		315.88	87	0	0	
8 28 65	4278	312.19	.92672		316.19	93	0	0	
8 29 65	4278	312.19	.92693		315.69	96	0	0	
8 30 65	4278	312.19	.92713	0000-2400	315.62	95	315.62	95	
8 31 65	4278	312.19	.92734	0000-2400	314.76	96	314.75	93	

MONTHLY AVERAGES

315.65 (31 DAYS), 315.80 (24 DAYS)

9 1 65	4278	312.19	.92755	0000-2400	314.67	87	314.60	86	
9 2 65	4278	312.19	.92776	0000-1200	313.45	88	314.86	42	
9 3 65	4278	312.19	.92796	0000-1100	314.06	96	315.00	43	
9 4 65	4278	312.19	.92817	0115-2000	315.07	96	315.28	75	
9 5 65	4278	312.19	.92838	0715-2400	315.59	96	315.33	67	
9 6 65	4278	312.19	.92859	0615-2400	316.15	85	315.49	60	

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
9 7 65	4278	312,19	.92879	0000-1200		315.86	95	316.58	47
9 8 65	4278	312,19	.92900			316.08	94	0	0
9 9 65	4278	312,19	.92921	0115-2400		315.37	94	315.27	89
9 10 65	4278	312,19	.92942			315.42	96	0	0
9 11 65	4278	312,19	.92963			316.10	59	0	0
9 12 65	4278	312,19	.92983	1115-2400		314.97	65	314.79	47
9 13 65	4278	312,19	.93004	0215-2400		314.90	76	314.87	64
9 14 65	4278	312,19	.93025	0000-0800, 1715-2400		314.37	57	314.37	57
9 15 65	4278	312,19	.93046	0000-0600, 1615-2400		313.38	72	313.83	46
9 16 65	4278	312,19	.93067	1915-2400		314.40	91	315.16	19
9 17 65	4278	312,19	.93088	0000-1200		315.20	88	315.21	48
9 18 65	4278	312,19	.93108			316.53	80	0	0
9 19 65	4278	312,19	.93129	1715-2400		316.32	76	315.60	27
9 20 65	4278	312,19	.93150	0000-0500, 2115-2400		315.12	83	316.03	31
9 21 65	4278	312,19	.93171	0000-2400		315.21	96	315.21	96
9 22 65	4278	312,19	.93192	0000-2400		315.15	96	315.15	96
9 23 65	4278	312,19	.93213	0000-2400		313.91	96	313.92	95
9 24 65	4278	312,19	.93234	0000-2400		313.76	83	313.76	83
9 25 65	4278	312,19	.93255	0715-2400		313.86	94	313.84	65
9 26 65	4278	312,19	.93276	0000-2400		313.37	96	313.38	94
9 27 65	4278	312,19	.93297	0000-0900		312.78	95	312.65	36
9 28 65	4278	312,19	.93318			314.04	96	0	0
9 29 65	4278	312,19	.93339	0515-2200		314.01	96	313.16	67
9 30 65	4278	312,19	.93360	0915-2400		313.94	96	313.69	59
MONTHLY AVERAGES						314.77 (30 DAYS),		314.68 (25 DAYS)	
10 1 65	4278	312,19	.93381	0915-2400		313.98	95	313.53	57
10 2 65	4278	312,19	.93402	0000-2400		313.47	95	313.50	94

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS	
10 3 65	4278	312.19	.93423						
10 4 65	4278	312.19	.93444	0000-1215					
10 4 65	7366	311.94	.93444	1230-2400					
10 5 65	7366	311.94	.93465	0000-0400	0915-2400	313.55	96	0	
10 6 65	7366	311.94	.93486	0000-2400		313.48	74	313.46	
10 7 65	7366	311.94	.93507	0000-2400		314.00	92	313.92	
10 8 65	7366	311.94	.93528	0000-2400		313.57	94	313.58	
10 9 65	7366	311.94	.93549	0000-2400		313.95	96	313.95	
10 10 65	7366	311.94	.93570	0000-2400		314.20	96	314.20	
10 11 65	7366	311.94	.93591	0000-2400		313.78	90	313.75	
10 12 65	7366	311.94	.93612	0000-2400		314.44	96	314.44	
10 13 65	7366	311.94	.93633	0000-2400		314.48	95	314.44	
10 14 65	7366	311.94	.93655	0000-2400		315.20	96	315.20	
10 15 65	7366	311.94	.93676	0000-2400		315.79	96	315.79	
10 16 65	7366	311.94	.93697	0000-1100	1915-2400	315.34	96	315.34	
10 17 65	7366	311.94	.93718	0000-2400		314.14	92	314.61	
10 18 65	7366	311.94	.93739	0000-2400		314.46	96	314.45	
10 19 65	7366	311.94	.93760	0000-1800		314.71	96	314.71	
10 20 65	7366	311.94	.93782	0000-2400		314.71	96	314.71	
10 21 65	7366	311.94	.93803	1715-2400		314.86	57	314.86	
10 22 65	7366	311.94	.93824	0000-2400		313.97	28	313.96	
10 23 65	7366	311.94	.93845	0000-2400		313.97	28	313.96	
10 24 65	7366	311.94	.93866	0000-2400		315.05	90	315.05	
10 25 65	7366	311.94	.93888	0000-1000	1515-2400	314.65	67	314.65	
10 26 65	7366	311.94	.93909	0000-2400		314.65	83	314.65	
10 27 65	7366	311.94	.93930	0000-2400		314.64	83	314.65	
10 28 65	7366	311.94	.93951	0000-0700		314.26	93	314.27	
10 29 65	7366	311.94	.93973	0000-2400		314.26	93	314.27	
10 30 65	7366	311.94	.93994	0000-1000	1515-2400	314.41	91	314.19	
				0000-2400		314.42	91	314.42	
				0000-0700		314.42	91	314.42	
				0715-2400		314.76	62	314.35	
				0000-2400		315.17	96	314.36	
				0000-2400		314.57	84	314.48	
				0000-2400		314.82	90	314.77	
				0000-2400		314.32	82	314.31	

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
10 31 65	7366	311,94	.94015	0000-2400		314.64	92	314.64	91
MONTHLY AVERAGES						314.42 (31 DAYS),		314.39 (30 DAYS)	
11 1 65	7366	311,94	.94036	0000-0600		314.69	92	314.87	24
11 2 65	7366	311,94	.94058	0000-1900		314.81	82	314.68	69
11 3 65	7366	311,94	.94079	1115-2400		315.33	75	314.32	47
11 4 65	7366	311,94	.94100	0815-2400		315.41	92	314.86	60
11 5 65	7366	311,94	.94122	0000-1200, 1715-2400		314.80	89	315.07	68
11 6 65	7366	311,94	.94143	0000-2400		315.15	93	315.13	92
11 7 65	7366	311,94	.94164	0000-2400		315.34	94	315.34	94
11 8 65	7366	311,94	.94186	0000-2400		315.89	89	315.89	89
11 9 65	7366	311,94	.94207	0000-2400		316.15	92	316.15	92
11 10 65	7366	311,94	.94229	0000-2400		316.12	89	316.12	89
11 11 65	7366	311,94	.94250	0000-2400		316.60	96	316.58	95
11 12 65	7366	311,94	.94271	0000-1000					
11 12 65	4290	312,51	.94271	1630-2400		316.34	66	316.34	66
11 13 65	4290	312,51	.94293	0000-2000		316.52	92	316.25	75
11 14 65	4290	312,51	.94314	0000-2400		316.04	93	316.03	92
11 15 65	4290	312,51	.94336	0000-2400		316.07	93	316.02	90
11 16 65	4290	312,51	.94357	0000-2400		315.88	94	315.88	94
11 17 65	4290	312,51	.94379	0000-2400		315.78	96	315.78	96
11 18 65	4290	312,51	.94400	0000-2400		315.95	79	315.94	78
11 19 65	4290	312,51	.94421	0000-2400		315.44	96	315.44	95
11 20 65	4290	312,51	.94443	0000-2400		316.11	94	316.11	94
11 21 65	4290	312,51	.94464	0000-2400		315.77	94	315.77	90
11 22 65	4290	312,51	.94486	0000-2400		316.02	94	316.03	93
11 23 65	4290	312,51	.94507	0000-2400		316.16	94	316.16	94
11 24 65	4290	312,51	.94529	0000-2400		316.29	95	316.26	94

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS
11 25 65	4290	312.51	.94551	0000-2400		316.51	91	316.51	91
11 26 65	4290	312.51	.94572	0000-1100					
11 26 65	11081	318.13	.94572	1815-2400		316.41	59	316.41	59
11 27 65	11081	318.13	.94594	0000-2400		316.03	92	316.03	92
11 28 65	11081	318.13	.94615	0000-2400		315.92	93	315.92	93
11 29 65	11081	318.13	.94637	0000-2400		315.96	94	315.93	92
11 30 65	11081	318.13	.94658	2115-2400		317.03	96	316.44	11
MONTHLY AVERAGES						315.88 (30 DAYS),	315.81 (30 DAYS)		
12 1 65	11081	318.13	.94680	0000-1000		315.96	91	316.08	40
12 2 65	11081	318.13	.94702	0000-2400		316.24	81	316.24	81
12 3 65	11081	318.13	.94723	0000-2400		316.09	95	316.09	95
12 4 65	11081	318.13	.94745	0000-2400		316.34	96	316.25	95
12 5 65	11081	318.13	.94766	0000-2400		316.04	95	316.04	95
12 6 65	11081	318.13	.94788	0000-0900, 2015-2400		316.18	49	316.20	48
12 7 65	11081	318.13	.94810	0000-0600		316.53	23	316.53	23
12 10 65	11081	318.13	.94875	0115-2400		315.68	50	315.67	49
12 11 65	11081	318.13	.94896	0000-2200		315.75	82	315.69	75
12 12 65	11081	318.13	.94918	1215-2200		315.06	37	314.91	33
12 13 65	11081	318.13	.94940	0415-2400		315.90	68	315.90	68
12 14 65	11081	318.13	.94961	0000-2400		316.29	63	316.29	63
12 15 65	11081	318.13	.94983			316.44	37	0	0
12 16 65	11081	318.13	.95005	1115-2400		315.97	96	315.41	50
12 17 65	11081	316.13	.95027	0000-2400		315.43	96	315.37	94
12 18 65	11081	318.13	.95048	0000-2400		315.86	96	315.86	96
12 19 65	11081	318.13	.95070	0000-2400		315.87	96	315.88	95
12 20 65	11081	318.13	.95092	0000-2400		315.97	96	315.97	96
12 21 65	11081	318.13	.95114	0000-2400		315.83	96	315.80	93

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	318, INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
12 22 65	11081	318,13	.95136	0000-2400		315.67	95	315.67	95
12 23 65	11081	318,13	.95157	0000-2400		315.78	96	315.78	96
12 24 65	11081	318,13	.95179	0000-2400		316.32	96	316.24	95
12 25 65	11081	318,13	.95201	0000-2400		316.29	81	316.29	81
12 26 65	11081	318,13	.95223			316.73	95	0	0
12 27 65	11081	318,13	.95245	0000-2400		316.06	96	316.06	96
12 28 65	11081	318,13	.95267	0000-2400		316.10	96	316.10	96
12 29 65	11081	318,13	.95288	0000-2400		316.02	95	316.02	95
12 30 65	11081	318,13	.95310	0000-2400		315.69	96	315.69	96
12 31 65	11081	318,13	.95332	0000-2400		316.05	96	315.91	92

MONTHLY AVERAGES

316,00 (29 DAYS), 315,92 (27 DAYS)

1 1 66	11081	318,13	.93647	0515-1300, 2015-2400		316,17	96	316,19	46
1 2 66	11081	318,13	.93587	0000-0300, 0615-2400		316,25	96	316,10	82
1 3 66	11081	318,13	.93527	0000-0200, 1015-2400		316,47	96	316,07	63
1 4 66	11081	318,13	.93468	0000-0200, 0515-2400		316,39	93	316,01	77
1 5 66	11081	318,13	.93408	0000-0945					
1 5 66	3755	317,55	.93408	1515-2400		316,31	72	316,31	72
1 6 66	3755	317,55	.93349	0000-2400		316,86	88	316,86	88
1 7 66	3755	317,55	.93290	0000-2000		317,75	96	317,33	76
1 8 66	3755	317,55	.93231	1515-2400		319,38	92	315,90	35
1 9 66	3755	317,55	.93171	0000-0800, 1615-2400		316,73	96	316,53	63
1 10 66	3755	317,55	.93112	0000-2400		316,99	95	316,99	95
1 11 66	3755	317,55	.93053	0000-2400		316,71	96	316,71	96
1 12 66	3755	317,55	.92994	0000-2400		317,00	96	316,96	94
1 13 66	3755	317,55	.92935	0415-2400		317,21	95	316,85	78
1 14 66	3755	317,55	.92877	0000-0500, 1315-2400		317,19	79	316,61	61
1 15 66	3755	317,55	.92818	0000-2400		317,09	96	317,09	96

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	3 INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
1 16 66	3755	317.55	.92759	0000-2400		316.39	86	316.39	86
1 17 66	3755	317.55	.92701	0000-1000, 1715-2400		316.56	67	316.56	67
1 18 66	3755	317.55	.92642	0315-2400		317.29	95	316.94	62
1 19 66	3755	317.55	.92584	0000-0200, 0715-2400		317.47	96	316.84	75
1 20 66	3755	317.55	.92526	0000-2400		317.35	95	317.35	94
1 21 66	3755	317.55	.92467	0000-2400		317.67	84	317.67	84
1 22 66	3755	317.55	.92409	0000-2400		317.25	96	317.27	95
1 23 66	3755	317.55	.92351	0000-0700		318.18	76	317.15	28
1 24 66	3755	317.55	.92293	0915-2400		317.89	96	317.27	59
1 25 66	3755	317.55	.92235	0000-0300, 1715-2400		317.17	95	316.92	59
1 26 66	3755	317.55	.92177	0000-0600, 2015-2400		317.27	94	317.15	39
1 27 66	3755	317.55	.92119	0000-0100, 1715-2400		317.13	94	316.82	29
1 28 66	3755	317.55	.92061	0000-0900		317.31	96	317.23	36
1 29 66	3755	317.55	.92004	0000-0900, 1915-2400		317.33	93	317.12	52
1 30 66	3755	317.55	.91946	0215-0900, 1815-2400		317.93	96	317.19	50
1 31 66	3755	317.55	.91889	0000-2400		317.66	96	317.66	96
MONTHLY AVERAGES						317.17 (31 DAYS),	316.84 (31 DAYS)		
2 1 66	3755	317.55	.91831	0000-2400		317.81	79	317.81	79
2 2 66	3755	317.55	.91774	0000-2400		316.85	96	316.82	95
2 3 66	3755	317.55	.91716	0000-2400		317.17	96	317.17	96
2 4 66	3755	317.55	.91659	0000-2400		317.85	96	317.85	96
2 5 66	3755	317.55	.91602	0000-2400		317.64	96	317.64	96
2 6 66	3755	317.55	.91545	0000-2400		317.62	94	317.62	94
2 7 66	3755	317.55	.91488	0000-2400		317.25	94	317.25	94
2 8 66	3755	317.55	.91431	0000-2400		317.25	84	317.25	84
2 9 66	3755	317.55	.91374	0000-2400		317.75	96	317.75	96
2 10 66	3755	317.55	.91317	0000-2045					
2 10 66	11078	320.51	.91317	2100-2400		317.66	75	317.66	75

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
2 11 66	11078	320.51	.91260	0000-2200		318.10	96	317.96	88
2 12 66	11078	320.51	.91204			321.45	96	0	0
2 13 66	11078	320.51	.91147	0515-2100		319.51	96	318.38	59
2 14 66	11078	320.51	.91091	1715-2400		319.31	96	317.98	27
2 15 66	11078	320.51	.91034	0000-2400		318.05	94	318.05	92
2 16 66	11078	320.51	.90978	0000-2400		317.77	96	317.77	96
2 17 66	11078	320.51	.90921	0000-2400		317.98	96	317.98	96
2 18 66	11078	320.51	.90865	1515-2400		318.85	67	317.28	30
2 19 66	11078	320.51	.90809	1115-2400		317.96	57	317.97	50
2 20 66	11078	320.51	.90753	0000-2400		318.21	88	318.21	88
2 21 66	11078	320.51	.90697	0000-1300, 1515-2400		318.35	80	318.35	79
2 22 66	11078	320.51	.90641	0000-2400		317.99	92	317.99	92
2 23 66	11078	320.51	.90585	0000-2400		318.01	91	318.01	91
2 24 66	11078	320.51	.90529	0000-2400		318.00	96	318.00	96
2 25 66	11078	320.51	.90473	0000-2400		317.64	94	317.64	94
2 26 66	11078	320.51	.90417	0000-2400		317.90	96	317.90	96
2 27 66	11078	320.51	.90362	0000-2400		318.54	96	318.54	96
2 28 66	11078	320.51	.90306	0000-1000, 1315-2400		318.41	81	318.41	81
MONTHLY AVERAGES						318.10 (28 DAYS),		317.82 (27 DAYS)	
3 1 66	11078	320.51	.90251	0000-2400		317.85	94	317.85	94
3 2 66	11078	320.51	.90195	0000-2400		317.87	96	317.87	96
3 3 66	11078	320.51	.90140	0000-2400		318.33	96	318.33	96
3 4 66	11078	320.51	.90085			319.15	96	0	0
3 5 66	11078	320.51	.90029			319.43	83	0	0
3 6 66	11078	320.51	.89974			320.02	96	0	0
3 7 66	11078	320.51	.89919	0000-2400		318.57	96	318.57	96
3 8 66	11078	320.51	.89864	0000-2400		318.55	96	318.55	96

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARISONS
3 9 66	11078	320,51	.89809	0000-2400		318.48	95	318.48	95
3 10 66	11078	320,51	.89754	0000-2400		318.30	72	318.30	72
3 11 66	11078	320,51	.89699	0000-2400		318.23	96	318.23	96
3 12 66	11078	320,51	.89645	0000-2400		318.53	96	318.53	96
3 13 66	11078	320,51	.89590	0000-0815!					
3 13 66	148	320,19	.89590	0830-2300		318.32	93	318.26	87
3 14 66	148	320,19	.89535			318.80	96	0	0
3 15 66	148	320,19	.89481			318.38	96	0	0
3 16 66	148	320,19	.89426			318.10	96	0	0
3 17 66	148	320,19	.89372	0000-2400		318.04	96	318.04	96
3 18 66	148	320,19	.89317	0000-2400		318.55	96	318.52	95
3 19 66	148	320,19	.89263	0000-2400		318.67	96	318.67	96
3 20 66	148	320,19	.89209	0000-2400		319.15	96	319.14	95
3 21 66	148	320,19	.89155	0000-1400, 1915-2400		318.89	95	319.03	74
3 22 66	148	320,19	.89101	0000-2400		319.31	80	319.31	79
3 23 66	148	320,19	.89047	0000-2400		319.08	89	319.08	89
3 24 66	148	320,19	.88993	0000-2300		319.55	96	319.43	91
3 25 66	148	320,19	.88939			320.18	96	0	0
3 26 66	148	320,19	.88885	0000-2400		318.86	96	318.86	96
3 27 66	148	320,19	.88831	0000-2400		318.96	92	318.96	92
3 28 66	148	320,19	.88777	0000-2400		318.92	71	318.92	71
3 29 66	148	320,19	.88724			319.81	95	0	0
3 30 66	148	320,19	.88670	0115-2400		319.32	96	319.24	91
3 31 66	148	320,19	.88617	0000-2400		319.69	96	319.69	96
MONTHLY AVERAGES						318.83 (31 DAYS),	318.69 (23 DAYS)		
4 1 66	148	320,19	.88563	0000-2400		319.79	96	319.79	96
4 2 66	148	320,19	.88510	0000-2400		319.52	96	319.52	96

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS	
4 3 66	148	320,19	.88457	0000-2400	319,33	96	319,33	96	
4 4 66	148	320,19	.88403	0000-0700, 1915-2400	319,98	96	320,24	47	
4 5 66	148	320,19	.88350	0000-1200	319,84	96	320,31	48	
4 6 66	148	320,19	.88297		320,03	78	0	0	
4 7 66	148	320,19	.88244	0415-2400	320,18	94	319,89	77	
4 8 66	148	320,19	.88191	0000-2400	320,08	96	320,05	95	
4 9 66	148	320,19	.88138		320,95	96	0	0	
4 10 66	148	320,19	.88085						
4 10 66	7364	321,77	.88085		319,95	72	0	0	
4 11 66	7364	321,77	.88032		319,74	86	0	0	
4 12 66	7364	321,77	.87980	0000-2400	319,33	96	319,33	96	
4 13 66	7364	321,77	.87927	0000-2400	319,51	94	319,51	94	
4 14 66	7364	321,77	.87874	0000-2400	319,75	84	319,75	84	
4 15 66	7364	321,77	.87822	0000-2400	320,07	96	320,07	96	
4 16 66	7364	321,77	.87769	0000-2400	320,17	96	320,17	96	
4 17 66	7364	321,77	.87717	0000-2400	319,79	96	319,79	96	
4 18 66	7364	321,77	.87664	0000-2400	319,96	96	319,96	96	
4 19 66	7364	321,77	.87612	0000-2400	320,45	96	320,45	96	
4 20 66	7364	321,77	.87560	0000-2300	320,07	96	320,07	92	
4 21 66	7364	321,77	.87508	0000-2400	320,01	96	320,01	96	
4 22 66	7364	321,77	.87456	0000-1000, 1415-2400	319,71	80	319,70	78	
4 23 66	7364	321,77	.87403	0000-0900	319,80	96	320,12	36	
4 24 66	7364	321,77	.87351		319,87	96	0	0	
4 25 66	7364	321,77	.87300		319,79	96	0	0	
4 26 66	7364	321,77	.87248		320,10	96	0	0	
4 27 66	7364	321,77	.87196	0245-2400	320,13	94	319,83	83	
4 28 66	7364	321,77	.87144	0000-2400	319,40	94	319,40	94	
4 29 66	7364	321,77	.87092	0000-2400	319,35	74	319,34	73	
4 30 66	7364	321,77	.87041	0000-2400	319,57	96	319,52	85	

MONTHLY AVERAGES 319,87 (30 DAYS), 319,83 (23 DAYS)

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
5 1 66	7364	321,77	.86989			319.43	96	0	0
5 2 66	7364	321,77	.86938	0000-2400		320.15	96	320.14	93
5 3 66	7364	321,77	.86886	1115-2400		320.00	91	319.36	51
5 4 66	7364	321,77	.86835	0000-2400		320.05	94	320.06	92
5 5 66	7364	321,77	.86784	0000-1000, 1815-2400		320.14	78	319.88	61
5 6 66	7364	321,77	.86732	0000-0700, 1315-2400		320.12	96	319.94	68
5 7 66	7364	321,77	.86681			319.84	89	0	0
5 8 66	7364	321,77	.86630	0815-2400		320.20	91	320.23	57
5 9 66	7364	321,77	.86579	0415-2400		320.40	85	320.24	70
5 10 66	7364	321,77	.86528	0000-1000					
5 10 66	18220	320,31	.86528	1715-2400		319.99	66	319.99	65
5 11 66	18220	320,31	.86477	0000-2400		320.34	77	320.34	77
5 12 66	18220	320,31	.86426	0000-2400		319.78	93	319.77	91
5 13 66	18220	320,31	.86375	0000-0800		319.66	32	319.66	32
5 14 66	18220	320,31	.86324	0715-2400		320.68	60	320.61	54
5 15 66	18220	320,31	.86274	0000-2400		320.25	93	320.27	85
5 16 66	18220	320,31	.86223	0000-1200, 1615-2400		320.31	77	320.31	77
5 17 66	18220	320,31	.86172	0000-2400		320.21	96	320.22	91
5 18 66	18220	320,31	.86122	0000-2400		320.45	80	320.45	80
5 19 66	18220	320,31	.86071	0000-2400		320.17	94	320.17	94
5 20 66	18220	320,31	.86021	0000-2400		319.52	94	319.51	92
5 21 66	18220	320,31	.85971	0000-2400		319.45	94	319.45	91
5 22 66	18220	320,31	.85920	0000-2400		319.72	84	319.72	84
5 23 66	18220	320,31	.85870	0000-2400		319.49	94	319.49	94
5 24 66	18220	320,31	.85820	0000-1600, 2115-2400		319.83	73	319.83	73
5 25 66	18220	320,31	.85770	0000-1300		319.73	96	320.23	50
5 26 66	18220	320,31	.85720	0115-2400		320.16	96	320.09	89
5 27 66	18220	320,31	.85670	0000-1000, 1915-2400		320.27	96	320.72	59
5 28 66	18220	320,31	.85620	0000-2400		320.38	92	320.35	88

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	320, 31 INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
5 29 66	18220	320,31	.85570	0000-1300		320.15	96	320.69	49
5 30 66	18220	320,31	.85520	0000-2400		320.43	77	320.43	77
5 31 66	18220	320,31	.85470	0000-2400		320.17	96	320.15	94
MONTHLY AVERAGES						320.05 (31 DAYS),	320.08 (29 DAYS)		
6 1 66	18220	320,31	.85420	1515-2400		319.99	93	319.78	34
6 2 66	18220	320,31	.85371	0000-0800		320.27	95	320.13	32
6 3 66	18220	320,31	.85321	0000-1000, 1615-2400		320.30	85	320.15	60
6 4 66	18220	320,31	.85272	0000-1800		320.26	71	320.22	68
6 5 66	181	322,31	.85222	0115-0700, 1315-2400		320.27	92	320.18	66
6 6 66	181	322,31	.85173	0000-2400		320.29	96	320.28	91
6 7 66	181	322,31	.85123	0000-2400		319.97	96	319.99	93
6 8 66	181	322,31	.85074	0000-2400		319.90	90	319.92	89
6 9 66	181	322,31	.85025	0000-2400		320.02	94	320.03	74
6 10 66	181	322,31	.84975	0000-2400		320.05	96	320.04	86
6 11 66	181	322,31	.84925	0000-2400		320.09	96	320.08	89
6 12 66	181	322,31	.84877	0000-2400		319.99	69	319.99	66
6 13 66	181	322,31	.84828	0000-2400		319.88	93	319.83	79
6 14 66	181	322,31	.84779	0000-2400		320.01	96	319.95	77
6 15 66	181	322,31	.84730	0000-2400		319.97	93	319.95	90
6 16 66	181	322,31	.84681	0000-2400		320.12	95	320.11	84
6 17 66	181	322,31	.84633	0000-1000, 1715-2400		320.02	63	320.02	63
6 18 66	181	322,31	.84584	0000-2400		320.32	95	320.21	77
6 19 66	181	322,31	.84535	0815-2400		319.96	66	319.96	49
6 20 66	181	322,31	.84487	0000-2400		319.54	96	319.47	80
6 21 66	181	322,31	.84438	0000-2400		319.22	96	319.16	84
6 22 66	181	322,31	.84389	0000-1800, 2115-2400		319.71	80	319.71	80
6 23 66	181	322,31	.84341	0000-2400		319.43	96	319.41	86

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
6 24 66	181	322,31	.84293	0000-2400	319.59	96	319.59	81	
6 25 66	181	322,31	.84244	0000-2400	319.47	96	319.47	89	
6 26 66	181	322,31	.84196	0000-2400	319.03	96	318.83	78	
6 27 66	181	322,31	.84148		318.59	96	0	0	
6 28 66	181	322,31	.84099						
6 28 66	2421	322,34	.84099	1815-2400	319.20	67	319.45	23	
6 29 66	2421	322,34	.84051	1215-2400	319.61	96	319.14	45	
6 30 66	2421	322,34	.84003	1115-2400	319.78	92	319.32	40	

MONTHLY AVERAGES

319.83 (30 DAYS), 319.81 (29 DAYS)

7 1 66	2421	322,34	.83955		319.69	90	0	0
7 2 66	2421	322,34	.83907	1415-2000	319.45	96	318.40	23
7 3 66	2421	322,34	.83859		319.14	95	0	0
7 4 66	2421	322,34	.83811	1815-2400	319.12	96	318.99	23
7 5 66	2421	322,34	.83764	0000-1000, 1215-2400	318.96	94	318.74	78
7 6 66	2421	322,34	.83716	1815-2400	318.65	94	318.36	21
7 7 66	2421	322,34	.83668	0000-1400, 1915-2400	318.54	84	318.87	63
7 8 66	2421	322,34	.83621	0000-2400	319.14	96	319.17	83
7 9 66	2421	322,34	.83573	0000-1100	318.95	96	319.49	44
7 10 66	2421	322,34	.83525	0515-2400	319.30	96	319.01	63
7 11 66	2421	322,34	.83478	0000-1500	319.08	58	319.08	58

MONTHLY AVERAGES

319.09 (11 DAYS), 318.90 (9 DAYS)

8 3 66	2421	322,34	.82400		317.18	33	0	0
8 4 66	2421	322,34	.82354	0000-1100	317.32	60	317.65	33
8 5 66	2421	322,34	.82308	0000-1600	317.62	96	317.73	61
8 6 66	2421	322,34	.82262	0000-0830	317.28	95	317.39	34

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
8 7 66	2421	322,34	.82216	0000-1200		316.57	94	316.98	44
8 8 66	2421	322,34	.82170			316.55	58	0	0
8 9 66	2421	322,34	.82124			317.34	81	0	0
8 10 66	2421	322,34	.82078			317.11	94	0	0
8 11 66	2421	322,34	.82032			316.78	87	0	0
8 12 66	2421	322,34	.81986	0000-0700, 1845-2400		316.90	96	316.88	49
8 13 66	2421	322,34	.81941			317.07	71	0	0
8 14 66	11092	322,91	.81895			316.55	92	0	0
8 15 66	11092	322,91	.81849	0115-0300, 0415-1300		316.47	91	316.96	31
8 16 66	11092	322,91	.81804	0000-1000		316.05	96	317.04	39
8 17 66	11092	322,91	.81758			315.65	95	0	0
8 18 66	11092	322,91	.81713			315.77	93	0	0
8 19 66	11092	322,91	.81667	0000-1000, 2145-2400		315.37	95	315.16	47
8 20 66	11092	322,91	.81622	0000-0900, 2015-2400		315.86	89	315.80	44
8 21 66	11092	322,91	.81576			315.88	82	0	0
8 22 66	11092	322,91	.81531			315.49	96	0	0
8 23 66	11092	322,91	.81486	0000-1200		314.47	94	314.90	43
8 24 66	11092	322,91	.81441	0000-0300, 1915-2400		314.20	81	314.28	31
8 25 66	11092	322,91	.81396	0000-1500		314.46	67	313.96	58
8 26 66	11092	322,91	1.13436	0000-0900, 2015-2400		315.59	70	315.67	44
8 27 66	11092	322,91	1.13648	0000-1100, 1715-2400		316.79	68	316.80	61
8 28 66	11092	322,91	1.13860	0000-0900, 1545-2400		316.84	92	316.68	67
8 29 66	11092	322,91	1.14073	0000-0900, 2115-2400		316.05	96	316.33	47
8 30 66	11092	322,91	1.14287	0000-0600, 1615-2400		316.51	92	316.51	48
8 31 66	11092	322,91	1.14502	0000-1100		316.48	82	316.83	44

MONTHLY AVERAGES 316,28 (29 DAYS), 316,31 (18 DAYS)

9 1 66	11092	322,91	1.14717			316,13	84	0	0
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TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	322.91 INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
9 2 66	11092	322.91	1.14934			315.70	91	0	0
9 3 66	11092	322.91	1.15151			316.11	75	0	0
9 4 66	11092	322.91	1.15369	0115-0800, 1945-2400		315.60	95	315.86	44
9 5 66	11092	322.91	1.15588	0000-0700					
9 5 66	4277	322.75	1.15588			315.83	46	315.61	28
9 6 66	4277	322.75	1.15808	0000-0500, 1915-2400		315.93	65	315.79	39
9 7 66	4277	322.75	1.16028			315.91	95	0	0
9 8 66	4277	322.75	1.16250			315.48	95	0	0
9 9 66	4277	322.75	1.16472	1245-2400		315.00	94	314.04	43
9 10 66	4277	322.75	1.16695	0000-0800		314.40	95	314.12	32
9 11 66	4277	322.75	1.16919			315.11	96	0	0
9 12 66	4277	322.75	1.17144			315.20	96	0	0
9 13 66	4277	322.75	1.17370	1445-2400		315.06	74	314.68	37
9 14 66	4277	322.75	1.17596	0000-1400, 1945-2400		314.73	74	314.75	66
9 15 66	4277	322.75	1.17824	0000-0800		313.89	96	315.06	32
9 16 66	4277	322.75	1.18052	0000-1000, 2115-2400		313.62	96	313.96	51
9 17 66	4277	322.75	1.18281	0000-0800, 1945-2400		313.47	96	314.13	48
9 18 66	4277	322.75	1.18511	0000-1000, 1915-2400		314.31	96	314.99	57
9 19 66	4277	322.75	1.18742	0000-0530, 1845-2400		314.74	89	314.87	43
9 20 66	4277	322.75	1.18974	0000-1000, 1815-2400		313.74	67	313.80	61
9 21 66	4277	322.75	1.19755	0000-0700		313.69	96	313.98	28
9 22 66	4277	322.75	1.19633			313.92	94	0	0
9 23 66	4277	322.75	1.19510	0345-1130, 1645-2400		314.11	96	314.28	58
9 24 66	4277	322.75	1.19387	0000-0700		313.52	95	314.27	28
9 25 66	4277	322.75	1.19264	0415-1200, 2015-2400		314.68	76	314.69	43
9 26 66	4277	322.75	1.19142	0000-0600, 2145-2400		314.31	91	314.36	31
9 27 66	4277	322.75	1.19020			314.18	94	0	0
9 28 66	4277	322.75	1.18898	0000-0500, 1045-2300		313.85	96	313.62	66
9 29 66	4277	322.75	1.18777	0000-0900, 1845-2400		313.82	96	314.01	55

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MAND- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MAND- METRIC CONC.	NO. OF COMPARI- SONS
9 30 66	4277	322,75	1.18655	0000-1000		313.38	96	314.12	40
MONTHLY AVERAGES						314,65 (30 DAYS),	314,52 (21 DAYS)		
10 1 66	4277	322,75	1.18534			313,63	96	0	0
10 2 66	4277	322,75	1.18413	0000-0900					
10 2 66	7362	318,13	1.18413			314,02	62	313,66	36
10 3 66	7362	318,13	1.18293	0000-1200, 1945-2400		313,67	96	314,04	65
10 4 66	7362	318,13	1.18173	0000-0300, 1915-2400		313,96	96	313,97	31
10 5 66	7362	318,13	1.18053	0000-0600		314,19	96	314,20	24
10 6 66	7362	318,13	1.17933	0115-0900, 1515-2100		313,89	95	313,75	50
10 7 66	7362	318,13	1.17813	0000-1100, 1915-2400		313,87	96	313,90	62
10 8 66	7362	318,13	1.17694	0000-0800, 2015-2400		313,75	96	313,87	46
10 9 66	7362	318,13	1.17575	0000-1300		313,90	96	314,14	49
10 10 66	7362	318,13	1.17456	0215-0700, 0915-2400		313,85	94	313,71	71
10 11 66	7362	318,13	1.17337	0000-0700, 1815-2400		313,97	77	313,71	49
10 12 66	7362	318,13	1.17219	0000-0800		313,81	96	314,11	25
10 13 66	7362	318,13	1.17101			313,99	89	0	0
10 14 66	7362	318,13	1.16983	0000-2400		314,12	95	314,11	92
10 15 66	7362	318,13	1.16805			314,21	96	0	0
10 16 66	7362	318,13	1.16748	0000-2400		314,20	96	314,21	94
10 17 66	7362	318,13	1.16630	0000-0800, 1845-2400		314,45	95	314,38	48
10 18 66	7362	318,13	1.16514			314,63	96	0	0
10 19 66	7362	318,13	1.16397			314,80	68	0	0
10 20 66	7362	318,13	1.16280			315,16	91	0	0
10 21 66	7362	318,13	1.16164	0000-0300, 1615-2400		314,79	96	314,76	41
10 22 66	7362	318,13	1.16046	0000-0700		315,07	96	314,91	28
10 23 66	7362	318,13	1.15932			314,41	82	0	0
10 24 66	7362	318,13	1.15817	0000-1100, 1315-2400		314,39	96	314,36	81

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	TASK INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	RECORD	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
10 25 66	7362	318,13	1,15701	0000-2400		314.30	96	314.29	91
10 26 66	7362	318,13	1,15586	0215-1500, 1845-2400		314.61	79	314.58	68
10 27 66	7362	318,13	1,15471	0000-1000, 1915-2400		314.38	96	314.38	59
10 28 66	7362	318,13	1,15357	0000-0800, 1915-2400		313.94	95	314.09	51
10 29 66	7362	318,13	1,15242			314.32	96	0	0
10 30 66	7362	318,13	1,15128	0000-0800, 2045-2400		314.07	96	314.26	41
10 31 66	7362	318,13	1,15014	0000-0800		314.68	95	314.62	30

MONTHLY AVERAGES

314,23 (31 DAYS), 314,17 (23 DAYS)

11 1 66	7362	318,13	1,14900	1245-2400		314.78	89	314.16	44
11 2 66	7362	318,13	1,14787			316.99	20	0	0
11 11 66	11080	311,14	1,13775			315.29	94	0	0
11 12 66	11080	311,14	1,13664	0000-0900		315.13	67	315.73	33
11 13 66	11080	311,14	1,13553	0315-0930, 1915-2400		315.26	96	315.43	44
11 14 66	11080	311,14	1,13442	0000-1400, 1945-2400		315.53	96	315.70	73
11 15 66	11080	311,14	1,13331	0000-1000		315.97	96	315.87	39
11 16 66	11080	311,14	1,13221			315.74	95	0	0
11 17 66	11080	311,14	1,13111	0000-0300, 0615-1100		315.77	95	316.35	47
				1915-2400					
11 18 66	11080	311,14	1,13001	0345-0800, 1915-2400		315.67	90	315.52	32
11 19 66	11080	311,14	1,12891	0000-1000		315.90	86	315.82	39
11 20 66	11080	311,14	1,12781	0000-1000		316.12	76	316.52	36
11 21 66	11080	311,14	1,12672			316.00	96	0	0
11 22 66	11080	311,14	1,12563	0315-1800		316.16	96	316.30	59
11 23 66	11080	311,14	1,12454			316.01	95	0	0
11 24 66	11080	311,14	1,12345	0000-2200		316.34	96	316.33	88
11 25 66	11080	311,14	1,12236	0000-1800		316.30	74	316.26	66
11 26 66	11080	311,14	1,12128	0000-2400		316.42	96	316.42	96

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	311,14 INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
11 27 66	11080	311,14	1,12020	0000-1000	316.63	75	316.49	39	
11 28 66	11080	311,14	1,11912	0245-0800, 1815-2400	316.35	90	316.21	34	
11 29 66	11080	311,14	1,11804	0145-1000, 1945-2400	315.91	89	316.09	49	
11 30 66	11080	311,14	1,11697		316.37	66	0	0	
MONTHLY AVERAGES					315.94 (22 DAYS),		315.95 (16 DAYS)		
12 1 66	11080	311,14	1,11590		316.97	92	0	0	
12 2 66	11080	311,14	1,11483		316.94	94	0	0	
12 3 66	11080	311,14	1,11376	0315-1100	317.00	96	317.10	30	
12 4 66	11080	311,14	1,11269		316.52	71	0	0	
12 5 66	4276	311,31	1,11163	0000-1200	316.08	95	316.42	47	
12 6 66	4276	311,31	1,11056	0515-1300	316.27	95	317.01	29	
12 7 66	4276	311,31	1,10950	0000-2400	316.72	89	316.68	85	
12 8 66	4276	311,31	1,10844	0215-0900	317.17	96	317.07	27	
12 9 66	4276	311,31	1,10739	1015-2400	317.52	95	316.97	54	
12 10 66	4276	311,31	1,10633	0000-1000, 1745-2400	317.09	93	316.99	62	
12 11 66	4276	311,31	1,10528	0000-0800, 1815-2400	316.81	96	316.95	55	
12 12 66	4276	311,31	1,10423	0000-2400	316.94	96	316.94	95	
12 13 66	4276	311,31	1,10318	0000-2400	316.75	96	316.75	96	
12 14 66	4276	311,31	1,10214	0000-0830, 1945-2400	316.67	66	316.68	51	
12 15 66	4276	311,31	1,10109	0000-2400	316.81	96	316.81	96	
12 16 66	4276	311,31	1,10005	0000-2400	317.35	95	317.34	94	
12 17 66	4276	311,31	1,09901		316.83	96	0	0	
12 18 66	4276	311,31	1,09797	0215-2400	317.48	96	317.51	87	
12 19 66	4276	311,31	1,09693		318.07	37	0	0	
12 20 66	4276	311,31	1,09590	0115-1100	317.84	92	317.64	39	
12 21 66	4276	311,31	1,09487	0145-1000	317.52	69	317.57	32	
12 22 66	4276	311,31	1,09384		318.47	90	0	0	

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	311,31 INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS
12 23 66	4276	311,31	1,09281			318,18	96	0	0
12 24 66	4276	311,31	1,09178			317,15	96	0	0
12 25 66	4276	311,31	1,09075	0115-1100, 1815-2400		317,08	94	317,09	59
12 26 66	4276	311,31	1,08973	0315-0900, 1745-2400		317,43	96	317,36	48
12 27 66	4276	311,31	1,08871	0000-1100		317,40	79	317,35	41
12 28 66	4276	311,31	1,08769	1415-2400		317,70	95	317,10	36
12 29 66	4276	311,31	1,08667	0000-2400		317,10	94	317,10	93
12 30 66	4276	311,31	1,08566	0000-2400		317,15	96	317,15	96
12 31 66	4276	311,31	1,08464	0000-0800, 1945-2400		317,53	96	317,11	49
MONTHLY AVERAGES						317,18 (31 DAYS),		317,07 (23 DAYS)	
1 1 67	4276	311,31	1,08363	0000-0900		317,81	65	317,88	33
1 2 67	18220	322,29	1,08262	0000-1000, 1315-2400		317,77	96	317,70	83
1 3 67	18220	322,29	1,08162	0000-0900		317,95	96	317,87	36
1 4 67	18220	322,29	1,08061	0000-0630, 2115-2400		317,77	94	317,87	37
1 5 67	18220	322,29	1,07961	0000-0800, 1545-2400		317,97	96	317,87	62
1 6 67	18220	322,29	1,07860	0000-1130		318,16	72	317,91	45
1 7 67	18220	322,29	1,07760	1545-2400		317,87	49	317,83	28
1 8 67	18220	322,29	1,07660	0000-0600		317,68	73	317,88	22
1 9 67	18220	322,29	1,07561			318,05	96	0	0
1 10 67	18220	322,29	1,07461	0000-1330		318,90	94	318,62	54
1 11 67	18220	322,29	1,07362	0000-1600, 1945-2400		319,03	77	319,01	75
1 12 67	18220	322,29	1,07263	0000-0330, 0815-1100 1215-1700		319,00	42	318,95	34
1 13 67	18220	322,29	1,07164			318,93	61	0	0
1 14 67	18220	322,29	1,07065			318,43	58	0	0
1 31 67	18220	322,29	1,05414			317,47	41	0	0
MONTHLY AVERAGES						318,19 (15 DAYS),		318,13 (11 DAYS)	

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
2 1 67	18220	322,29	1.05318	0000-1230, 1845-2400	317.91	92	318.10	59	
2 2 67	18220	322,29	1.05223		318.04	94	0	0	
2 3 67	18220	322,29	1.05128		318.67	68	0	0	
2 4 67	18220	322,29	1.05033	0315-1430, 1945-2400	318.22	92	317.87	53	
2 5 67	18220	322,29	1.04938	0000-1030	318.09	95	318.11	41	
2 6 67	18220	322,29	1.04843	0515-0900, 1845-2400	318.21	85	318.12	35	
2 7 67	18220	322,29	1.04749	0000-2400	318.85	93	318.85	93	
2 8 67	18220	322,29	1.04654	0000-0500, 1945-2400	318.38	80	318.64	37	
2 9 67	18220	322,29	1.04560	0000-1030, 1945-2400	318.27	96	318.09	58	
2 10 67	18220	322,29	1.04466	0000-0600, 1415-2230	318.43	95	318.15	54	
2 11 67	18220	322,29	1.04372		318.54	94	0	0	
2 12 67	18220	322,29	1.04279		318.52	93	0	0	
2 13 67	18220	322,29	1.04135						
2 13 67	4278	323,17	1.04185	1715-2400	318.11	95	318.36	27	
2 14 67	4278	323,17	1.04092	0000-1400, 2045-2400	318.18	66	318.18	66	
2 15 67	4278	323,17	1.03998	0000-0400, 1745-2400	318.45	87	318.73	41	
2 16 67	4278	323,17	1.03905	0000-0830, 1715-2400	318.93	96	318.88	61	
2 17 67	4278	323,17	1.03813	0000-0800	319.02	96	318.88	32	
2 18 67	4278	323,17	1.03720		319.05	96	0	0	
2 19 67	4278	323,17	1.03627	0000-1000, 1815-2400	318.79	96	318.74	61	
2 20 67	4278	323,17	1.03535	0000-2400	319.21	96	319.22	94	
2 21 67	4278	323,17	1.03443	0000-1000, 1815-2400	319.30	78	319.23	63	
2 22 67	4278	323,17	1.03351	0000-1530	318.94	96	319.29	61	
2 23 67	4278	323,17	1.03259		318.63	96	0	0	
2 24 67	4278	323,17	1.03167	0000-1200	319.00	96	319.01	48	
2 25 67	4278	323,17	1.03076		318.95	74	0	0	
2 26 67	4278	323,17	1.02984	1215-2400	318.35	61	318.19	46	
2 27 67	4278	323,17	1.02893	0000-0630	318.23	96	318.27	25	
2 28 67	4278	323,17	1.02802		318.96	96	0	0	

MONTHLY AVERAGES

318.58 (28 DAYS), 318.54 (20 DAYS)

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS	
3 1 67	4278	323,17	1,02711						
3 2 67	4278	323,17	1,02621	0000-0900, 2145-2400	318,92	96	319,02	44	
3 3 67	4278	323,17	1,02530	0000-0800, 1915-2400	318,98	96	319,13	51	
3 4 67	4278	323,17	1,02440	0000-2400	319,16	96	319,16	92	
3 5 67	4278	323,17	1,02349	0000-0230, 1415-2030	319,13	96	319,07	33	
3 6 67	4278	323,17	1,02259	0000-0900, 1945-2400	318,76	96	318,74	52	
3 7 67	4278	323,17	1,02169	0000-0600	318,72	95	318,92	24	
3 8 67	4278	323,17	1,02080	1515-2400	319,19	76	318,32	31	
3 9 67	4278	323,17	1,01990	0000-1100	318,93	79	318,31	44	
3 10 67	4278	323,17	1,01901	1515-2400	318,76	93	318,93	32	
3 11 67	4278	323,17	1,01811	0000-0730, 1015-1800	318,86	92	318,66	58	
3 12 67	4278	323,17	1,01722		319,15	96	0	0	
3 13 67	4278	323,17	1,01633	0000-0400, 1245-2400	319,29	92	318,96	58	
3 14 67	4278	323,17	1,01544	0000-0900					
3 14 67	11078	325,34	1,01544	1215-2300	318,84	94	318,85	77	
3 15 67	11078	325,34	1,01455		319,05	63	0	0	
3 16 67	11078	325,34	1,01367	0000-0900, 1515-2400	319,71	95	319,60	67	
3 17 67	11078	325,34	1,01279	0000-1000, 1615-2400	319,47	96	319,38	69	
3 18 67	11078	325,34	1,01191	0000-1030	319,42	81	319,58	42	
3 19 67	11078	325,34	1,01103		319,13	58	0	0	
3 20 67	11078	325,34	1,01015	0000-0530, 1845-2400	319,08	96	318,96	41	
3 21 67	11078	325,34	1,00927		319,33	93	0	0	
3 22 67	11078	325,34	1,00839		319,11	96	0	0	
3 23 67	11078	325,34	1,00752		320,06	96	0	0	
3 24 67	11078	325,34	1,00665	0000-0700	319,71	96	319,88	21	
3 25 67	11078	325,34	1,00577		319,02	92	0	0	
3 26 67	11078	325,34	1,00490		319,11	91	0	0	
3 27 67	11078	325,34	1,00404		319,16	84	0	0	
3 28 67	11078	325,34	1,00317	0145-0500, 1945-2400	318,93	89	318,71	29	

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS
3 29 67	11078	325.34	1.00230	0000-0800		318.89	96	318.79	26
3 30 67	11078	325.34	1.00144	0000-0630, 1815-2300		318.86	93	318.82	41
3 31 67	11078	325.34	1.00058			319.32	70	0	0
MONTHLY AVERAGES						319.15 (31 DAYS),		318.99 (20 DAYS)	
4 1 67	11078	325.34	.99972			319.70	82	0	0
4 2 67	11078	325.34	.99886			319.43	96	0	0
4 3 67	11078	325.34	.99600			319.68	92	0	0
4 4 67	11078	325.34	.99714	0945-2400		320.19	96	320.00	54
4 5 67	11078	325.34	.99629	0000-0100, 1545-2400		320.69	96	320.41	37
4 6 67	11078	325.34	.99543	0000-0700, 1215-2000		320.46	95	320.23	50
4 7 67	11078	325.34	.99458	0000-0730, 1815-2400		320.18	78	320.03	52
4 8 67	11078	325.34	.99373	0000-0800, 1915-2400		320.13	96	320.13	51
4 9 67	11078	325.34	.99288	0000-0700, 1715-2400		320.26	94	320.29	55
4 10 67	11078	325.34	.99203	0000-0400, 1245-2030		320.51	96	320.23	45
4 11 67	11078	325.34	.99119	0000-0800, 1915-2400		320.27	96	320.28	49
4 12 67	11078	325.34	.99034	0345-1200					
4 12 67	7364	324.52	.99034			320.41	65	320.41	30
4 13 67	7364	324.52	.98950	0000-1000		320.48	96	320.61	40
4 14 67	7364	324.52	.98866	0000-1030		320.27	73	320.46	41
4 15 67	7364	324.52	.98782			319.84	43	0	0
4 16 67	7364	324.52	.98698	1315-2400		320.28	93	320.16	43
4 17 67	7364	324.52	.98614	0000-0700, 1915-2300		320.17	90	320.11	43
4 18 67	7364	324.52	.98530			320.56	95	0	0
4 19 67	7364	324.52	.98447	0000-0730		320.25	91	320.68	30
4 20 67	7364	324.52	.98364			319.89	96	0	0
4 21 67	7364	324.52	.98280			320.54	96	0	0
4 22 67	7364	324.52	.98197	0000-1800		319.80	96	319.86	72

TABLE 3, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS
4 23 67	7364	324.52	.98114			319.84	79	0	0
4 24 67	7364	324.52	.98032			320.21	96	0	0
4 25 67	7364	324.52	.97949	0000-0830, 2215-2400		320.82	96	320.97	40
4 26 67	7364	324.52	.97866	0000-0930		320.62	96	321.03	37
4 27 67	7364	324.52	.97784	0000-0730, 2045-2400		320.88	89	321.03	33
4 28 67	7364	324.52	.97702	0000-1500, 2045-2400		320.94	95	321.04	70
4 29 67	7364	324.52	.97620	0000-0900		320.85	95	321.09	36
4 30 67	7364	324.52	.97538			321.27	64	0	0

MONTHLY AVERAGES

320,31 (30 DAYS),

320,45 (20 DAYS)

5 1 67	7364	324.52	.97456	0515-0900, 1245-2400		321.04	96	320.84	60
5 2 67	7364	324.52	.97374	0000-0300, 0515-1630 2215-2400		321.28	96	321.31	63
5 3 67	7364	324.52	.97293	0000-0800		320.98	89	321.15	32
5 5 67	7364	324.52	.97130			320.82	59	0	0
5 6 67	7364	324.52	.97049			320.80	95	0	0
5 7 67	7364	324.52	.96968			321.17	91	0	0
5 8 67	7364	324.52	.96887			321.07	91	0	0
5 9 67	7364	324.52	.96806			320.56	91	0	0
5 10 67	7364	324.52	.96725			320.47	91	0	0
5 11 67	7364	324.52	.96643	0000-0900		320.65	95	320.72	36
5 12 67	7364	324.52	.96563	0000-1200		320.66	78	320.68	44
5 13 67	7364	324.52	.96483	0000-0700		320.63	96	320.77	28
5 14 67	7364	324.52	.96403	0945-2400		320.84	89	320.67	54
5 15 67	7364	324.52	.96323			320.57	83	0	0
5 16 67	7364	324.52	.96243	0215-0500, 1615-2400		320.79	90	320.57	39
5 17 67	7364	324.52	.96163	0000-0700		320.74	57	320.58	27
5 18 67	3759	318.81	.96083	0000-0830		321.08	96	321.32	34

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO# METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
5 19 67	3759	318,81	.96006			321,02	95	0	0
5 20 67	3759	318,81	.95927			321,28	93	0	0
5 21 67	3759	318,81	.95848	0000-1000, 1515-2400		321,06	95	320.97	73
5 22 67	3759	318,81	.95769	0000-1000		320,71	95	321.21	40
5 23 67	3759	318,81	.95690	0000-0800		320,50	96	320,87	30
5 24 67	3759	318,81	.95611	0000-0900		320,54	96	320,51	33
5 25 67	3759	318,81	.95533	0000-1000		320,39	96	321,02	38
5 26 67	3759	318,81	.95454			320,85	95	0	0
5 27 67	3759	318,81	.95376	0115-0500, 2015-2400		321,09	75	320,71	31
5 28 67	3759	318,81	.95298	0000-0400, 0615-0900		320,78	92	321,16	26
5 29 67	3759	318,81	.95220	0000-1400		320,66	96	320,88	57
5 30 67	3759	318,81	.95142			320,66	94	0	0
5 31 67	3759	318,81	.95064			321,01	96	0	0
MONTHLY AVERAGES						320,82 (30 DAYS),	320,89 (18 DAYS)		
6 1 67	3759	318,81	.94451	0000-0700		321,46	65	320,80	27
6 3 67	3759	318,81	.94479			321,31	28	0	0
6 4 67	3759	318,81	.94493	0000-0700, 2215-2400		320,24	93	320,59	35
6 5 67	3759	318,81	.94508	0115-0600, 1815-2400		320,62	94	320,87	42
6 6 67	3759	318,81	.94522	0000-2400		321,14	89	321,13	88
6 7 67	3759	318,81	.94536	0000-0800, 2045-2400		320,64	79	320,68	45
6 8 67	3759	318,81	.94550	0000-0400, 1945-2400		320,19	94	320,41	31
6 9 67	3759	318,81	.94564	0000-0600		320,18	96	320,61	23
6 10 67	3759	318,81	.94579	0615-1300, 1515-2400		320,74	91	320,50	54
6 11 67	3759	318,81	.94593	0115-1200		320,03	96	320,61	42
6 12 67	3759	318,81	.94607	0000-0200, 0415-2400		320,61	94	320,49	78
6 13 67	3759	318,81	.94621			319,31	63	0	0
6 14 67	3759	318,81	.94636						
6 14 67	11083	323,56	.94636			319,61	63	0	0

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TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	3 INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	6	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
6 15 67	11083	323,56	,94650	1215-2100		320,13	91	319,06	34
6 16 67	11083	323,56	,94664			320,58	93	0	0
6 17 67	11083	323,56	,94678	0215-0800, 1815-2400		319,61	92	319,55	44
6 18 67	11083	323,56	,94693	0000-0900, 1715-2400		319,40	95	319,27	62
6 19 67	11083	323,56	,94707	0000-0600, 1915-2400		319,35	94	319,60	43
6 20 67	11083	323,56	,94721			320,35	62	0	0
6 21 67	11083	323,56	,94735			319,21	44	0	0
6 22 67	11083	323,56	,94750	0000-1000, 2145-2400		319,40	92	319,63	45
6 23 67	11083	323,56	,94764	0000-0700, 1915-2400		319,34	94	319,21	46
6 24 67	11083	323,56	,94778	0000-1000, 2045-2400		319,10	74	319,48	51
6 25 67	11083	323,56	,94792	0000-0900, 2015-2400		319,62	93	319,89	50
6 26 67	11083	323,56	,94807	0000-1800		319,53	77	319,57	70
6 27 67	11083	323,56	,94821	0000-1400		319,18	96	319,52	55
6 28 67	11083	323,56	,94835	0000-0800		318,55	94	318,05	30
6 29 67	11083	323,56	,94850	0000-0500, 1715-2400		319,40	95	319,27	47
6 30 67	11083	323,56	,94864	0000-0700		319,24	66	319,13	28

MONTHLY AVERAGES

319,93 (29 DAYS), 319,91 (23 DAYS)

7 1 67	11083	323,56	,94878			318,96	95	0	0
7 2 67	11083	323,56	,94893	0115-1100, 1845-2400		319,17	96	319,11	59
7 3 67	11083	323,56	,94907	0000-2400		319,17	88	319,17	87
7 4 67	11083	323,56	,94921	0000-2400		318,99	96	318,99	96
7 5 67	11083	323,56	,94936	0000-1100, 1515-2030		319,14	84	318,98	63
7 6 67	11083	323,56	,94950	0115-1200		318,50	91	318,93	42
7 7 67	11083	323,56	,94964	0000-0700		319,16	50	318,67	28
7 8 67	11083	323,56	,94979	1045-2400		318,90	53	318,95	47
7 9 67	11083	323,56	,94993	0000-0630		318,96	88	319,02	26
7 10 67	11083	323,56	,95007	0815-1230		318,31	65	319,28	17

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	RECORD FOR DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
7 11 67	11083	323,56	.95022	0000-1430		318,33	71	318,56	56
7 12 67	181	321,40	.95036	0315-2400		318,24	84	318,25	70
7 13 67	181	321,40	.95050			318,67	59	0	0
7 15 67	181	321,40	.95079	1345-2400		318,74	38	318,72	37
7 16 67	181	321,40	.95093	0000-0600,	1245-2400	318,52	49	318,53	48
7 17 67	181	321,40	.95108	0000-0700,	1015-2400	318,97	46	318,97	46
7 18 67	181	321,40	.95122	0000-0700		318,65	18	318,65	18
7 20 67	181	321,40	.95151			317,89	9	0	0
7 21 67	181	321,40	.95165	0000-0900		318,57	69	318,44	35
7 22 67	181	321,40	.95180	0115-1630		318,29	91	318,68	59
7 23 67	181	321,40	.95194	0000-0700,	1015-1600	317,64	82	318,03	47
7 24 67	181	321,40	.95209	0000-1300		317,82	96	318,87	50
7 25 67	181	321,40	.95223	0315-1000,	1645-2400	318,80	68	318,76	51
7 26 67	181	321,40	.95237	0000-2400		318,77	94	318,72	86
7 27 67	181	321,40	.95252	0000-2400		318,26	94	318,25	93
7 28 67	181	321,40	.95266	0000-1300		317,65	91	318,54	47
7 29 67	181	321,40	.95281			317,57	95	0	0
7 30 67	181	321,40	.95295	0000-1900		317,39	76	317,45	70
7 31 67	181	321,40	.95310	0045-1130		317,91	96	318,30	40
MONTHLY AVERAGES						318,48 (29 DAYS),	318,67 (25 DAYS)		
8 1 67	181	321,40	.95324	0115-2400		317,82	90	317,84	82
8 2 67	181	321,40	.95338	0000-1200,	1915-2400	318,15	84	318,64	56
8 3 67	181	321,40	.95353	0000-1000,	1715-2100	317,64	80	317,55	50
8 4 67	11080	320,30	.95367	0545-2400		318,33	64	318,34	62
8 5 67	11080	320,30	.95382	0000-2400		318,17	95	318,15	87
8 6 67	11080	320,30	.95396	0000-2400		317,83	96	317,82	88
8 7 67	11080	320,30	.95411	0000-2400		317,38	96	317,38	96

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	3 INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
8 8 67	11080	320,30	,95425	0000-2400		316,69	93	316,70	90
8 9 67	11080	320,30	,95440	0000-1500		317,18	56	317,18	55
8 10 67	11080	320,30	,95454			316,91	61	0	0
8 11 67	11080	320,30	,95469	0000-1200		318,23	42	318,23	42
8 12 67	11080	320,30	,95483			315,24	52	0	0
8 13 67	11080	320,30	,95498	0000-2400		317,40	96	317,37	91
8 14 67	11080	320,30	,95512	0000-2400		317,26	94	317,26	94
8 15 67	11080	320,30	,95527	0000-1200, 2015-2400		316,69	96	317,77	63
8 16 67	11080	320,30	,95541	0000-1300, 1915-2400		317,00	95	317,28	65
8 17 67	11080	320,30	,95556	0000-1200, 1915-2400		316,58	96	316,94	66
8 18 67	11080	320,30	,95570	0000-1000, 1545-2400		316,81	70	316,81	70
8 19 67	11080	320,30	,95585	0000-1230		316,27	85	317,04	50
8 21 67	11080	320,30	,95614			314,95	57	0	0
8 22 67	11080	320,30	,95628	0000-2400		315,11	94	315,11	94
8 23 67	11080	320,30	,95643	0000-1000, 1945-2400		315,07	96	315,23	57
8 24 67	11080	320,30	,95657	0000-0900, 1115-2400		315,36	83	315,34	82
8 25 67	11080	320,30	,95672	0000-0900, 1345-2400		316,36	70	316,42	65
8 26 67	11080	320,30	,95687	0000-1200		316,76	85	317,41	48
8 27 67	11080	320,30	,95701						
8 27 67	11092	320,33	,95701			316,82	25	0	0
8 28 67	11092	320,33	,95716	0000-1200, 1915-2230		316,19	93	316,42	59
8 29 67	11092	320,33	,95730			316,16	96	0	0
8 30 67	11092	320,33	,95745			315,70	95	0	0
8 31 67	11092	320,33	,95759	0000-2400		315,93	96	315,88	85
MONTHLY AVERAGES						316,73 (30 DAYS),		317,09 (24 DAYS)	
9 1 67	11092	320,33	,95774	0000-2400		316,28	94	316,27	92
9 2 67	11092	320,33	,95789	0000-2400		316,24	92	316,19	87

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARISONS	
9 3 67	11092	320,33	,95803	0000-1300	316,16	72	316,44	47	
9 4 67	11092	320,33	,95818		316,33	96	0	0	
9 5 67	11092	320,33	,95832		315,51	76	0	0	
9 6 67	11092	320,33	,95847	0515-1200, 2015-2400	315,95	91	316,11	35	
9 7 67	11092	320,33	,95862	0000-1300	315,31	96	315,90	49	
9 8 67	11092	320,33	,95876	0000-1300	315,58	96	316,15	50	
9 9 67	11092	320,33	,95891		316,14	66	0	0	
9 10 67	11092	320,33	,95905	0000-2400	315,21	94	315,20	93	
9 11 67	11092	320,33	,95920	0000-1300, 2015-2400	314,78	96	315,08	66	
9 12 67	11092	320,33	,95935	0000-1300	314,42	96	314,97	50	
9 13 67	11092	320,33	,95949	0000-1300	314,44	96	315,13	51	
9 14 67	11092	320,33	,95964	1315-2400	315,21	92	314,55	43	
9 15 67	11092	320,33	,95979	0000-1300	315,32	96	315,64	51	
9 16 67	11092	320,33	,95993	0000-2400	316,47	96	316,46	95	
9 17 67	11092	320,33	,96008	0000-0900, 2115-2400	315,94	78	316,07	45	
9 18 67	11092	320,33	,96023	0000-0700, 2045-2400	314,89	94	315,28	41	
9 19 67	11092	320,33	,96037	0000-2400	315,26	96	315,25	91	
9 20 67	11092	320,33	,96052	0000-2400	315,33	96	315,32	91	
9 21 67	11092	320,33	,96067	0000-2400	315,29	96	315,27	90	
9 22 67	11092	320,33	,96081	0000-0900					
9 22 67	7362	321,09	,96081	1315-2400	315,68	93	315,38	78	
9 23 67	7362	321,09	,96096	0000-0800	314,85	94	315,40	32	
9 24 67	7362	321,09	,96111	0000-0900	315,15	61	315,05	35	
9 25 67	7362	321,09	,96125	1415-2400	315,62	92	314,63	39	
9 26 67	7362	321,09	,96140	0000-1000, 1815-2400	315,35	96	315,06	63	
9 27 67	7362	321,09	,96155	0000-1000, 1945-2400	314,94	91	315,02	53	
9 28 67	7362	321,09	,96169	0000-1400	315,28	53	315,25	51	
9 29 67	7362	321,09	,96184	0915-2400	315,34	61	315,32	54	
9 30 67	7362	321,09	,96199	0000-2400	315,00	94	314,98	90	

MONTHLY AVERAGES 315,44 (30 DAYS), 315,46 (27 DAYS)

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
10 1 67	7362	321,09	,96403	0000-2400		313,94	96	313,94	91
10 2 67	7362	321,09	,96316	0000-2400		314,82	94	314,82	92
10 3 67	7362	321,09	,96230	0000-2400		314,55	78	314,55	78
10 4 67	7362	321,09	,96143	0000-2400		314,68	92	314,48	83
10 5 67	7362	321,09	,96057	0000-1100		314,38	81	314,68	39
10 6 67	7362	321,09	,95971	0845-2400		314,33	60	314,32	58
10 7 67	7362	321,09	,95885	0000-0900, 1715-2400		314,24	64	314,24	63
10 8 67	7362	321,09	,95799	0000-1200, 1715-2400		314,90	96	315,13	74
10 9 67	7362	321,09	,95714	0000-2400		315,45	96	315,44	95
10 10 67	7362	321,09	,95628	0000-2400		315,44	96	315,44	96
10 11 67	7362	321,09	,95543	0000-1400, 2215-2400		315,06	96	315,43	60
10 12 67	7362	321,09	,95458	0000-0500, 1915-2400		315,49	86	315,55	39
10 13 67	7362	321,09	,95373	0000-2400		315,54	96	315,51	94
10 14 67	7362	321,09	,95288	0000-1300, 1915-2400		315,33	93	315,54	67
10 15 67	7362	321,09	,95204	0000-1300, 1815-2400		315,57	96	315,94	75
10 16 67	7362	321,09	,95119	0000-0700		315,62	94	316,83	26
10 17 67	7362	321,09	,95035			315,73	85	0	0
10 18 67	7362	321,09	,94951	0000-1000					
10 18 67	4277	320,55	,94951	1615-2400		315,48	70	315,49	68
10 19 67	4277	320,55	,94866	0000-2400		315,47	93	315,48	91
10 20 67	4277	320,55	,94783	0000-2400		315,77	95	315,75	92
10 21 67	4277	320,55	,94699	0000-2400		315,16	95	315,15	81
10 22 67	4277	320,55	,94615	0000-2400		315,44	96	315,36	87
10 23 67	4277	320,55	,94532	0000-2400		315,43	96	315,32	93
10 24 67	4277	320,55	,94448	0000-2400		315,58	94	315,57	92
10 25 67	4277	320,55	,94365	0000-2400		315,66	96	315,66	96
10 26 67	4277	320,55	,94282	0000-2400		315,81	95	315,81	94
10 27 67	4277	320,55	,94199	0000-1100, 1615-2400		316,05	70	316,05	70
10 28 67	4277	320,55	,94117	0000-1200		315,47	96	315,81	45

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
10 29 67	4277	320,55	,94034	1215-2400		315,69	95	315,37	47
10 30 67	4277	320,55	,93952	0000-2400		315,86	96	315,86	96
10 31 67	4277	320,55	,93869	0000-2400		316,35	89	316,35	88
MONTHLY AVERAGES						315,30 (31 DAYS),	315,36 (30 DAYS)		
11 1 67	4277	320,55	,93787	0000-1300, 2015-2400		316,21	64	316,15	60
11 2 67	4277	320,55	,93705	0000-2400		316,41	93	316,41	91
11 3 67	4277	320,55	,93623	0000-1800		316,06	96	316,49	71
11 4 67	4277	320,55	,93542	1515-2400		315,59	96	315,14	35
11 5 67	4277	320,55	,93460	0000-0700, 1315-2400		315,79	91	315,63	69
11 6 67	4277	320,55	,93378	0000-2400		316,30	94	316,21	82
11 7 67	4277	320,55	,93297	0000-2400		315,91	96	315,91	91
11 8 67	4277	320,55	,93216	0000-2400		315,72	77	315,71	66
11 9 67	4277	320,55	,93135	0000-2400		315,88	96	315,87	90
11 10 67	4277	320,55	,93054	0000-2400		316,51	96	316,53	92
11 11 67	4277	320,55	,92973	0000-2400		316,57	96	316,64	86
11 12 67	4277	320,55	,92893	0000-0800, 1715-2400		316,24	96	316,50	59
11 13 67	4277	320,55	,92812	0000-0500, 2015-2400		316,74	93	316,62	34
11 14 67	4277	320,55	,92732	0000-0800					
11 14 67	2421	315,29	,92732	2245-2400		316,29	62	316,44	37
11 15 67	2421	315,29	,92652	0000-1100, 1615-2330		316,81	91	316,52	68
11 16 67	2421	315,29	,92572	1315-2400		317,26	96	316,58	42
11 17 67	2421	315,29	,92492	0000-1300, 2215-2400		317,00	95	317,52	52
11 18 67	2421	315,29	,92412	0000-2400		316,92	96	316,91	93
11 19 67	2421	315,29	,92333	0000-2400		316,85	96	316,87	94
11 20 67	2421	315,29	,92253	0000-0800		316,81	96	317,19	32
11 21 67	2421	315,29	,92174	0315-1500, 1945-2400		317,26	75	317,36	58
11 22 67	2421	315,29	,92094	0000-1600		317,48	95	317,76	64

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	RECORD FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
11 23 67	2421	315,29	.92015	0715-2400		317,93	96	317,68	67
11 24 67	2421	315,29	.91936	0000-1200		316,92	95	317,58	46
11 25 67	2421	315,29	.91858	0545-2400		317,34	93	317,32	70
11 26 67	2421	315,29	.91779	0000-2400		317,59	96	317,59	96
11 27 67	2421	315,29	.91700	0000-2400		317,65	96	317,65	96
11 28 67	2421	315,29	.91622	0000-1300	2015-2400	317,73	64	317,73	63
11 29 67	2421	315,29	.91544	0000-2400		316,96	96	316,96	89
11 30 67	2421	315,29	.91466	0000-2400		317,27	75	317,17	69

MONTHLY AVERAGES

316,73 (30 DAYS), 316,75 (30 DAYS)

12 1 67	2421	315,29	.91388	0000-2400		317,53	96	317,51	91
12 2 67	2421	315,29	.91310	0000-2400		317,66	95	317,67	92
12 3 67	2421	315,29	.91232	0000-2400		317,23	94	317,23	90
12 4 67	2421	315,29	.91154	0000-1200		316,77	96	317,70	48
12 5 67	2421	315,29	.91077	0445-1100	1915-2400	317,37	77	317,37	44
12 6 67	2421	315,29	.91000	0000-2400		317,53	94	317,46	89
12 7 67	2421	315,29	.90922	0000-2400		317,80	96	317,78	89
12 8 67	2421	315,29	.90845	0000-1330	2015-2400	317,31	96	317,50	68
12 9 67	2421	315,29	.90768	0000-2400		317,75	94	317,72	92
12 10 67	2421	315,29	.90692	0000-1600		317,58	61	317,58	60
12 11 67	2426	320,39	.90615	0000-2400		318,61	93	318,61	91
12 12 67	2426	320,39	.90538	0000-2400		318,76	94	318,76	94
12 13 67	2426	320,39	.90462	0000-2400		319,15	96	319,15	94
12 14 67	2426	320,39	.90386	0000-2400		318,76	96	318,76	96
12 15 67	2426	320,39	.90309	0000-2400		318,33	96	318,33	91
12 16 67	2426	320,39	.90233	0000-2400		318,01	92	318,00	89
12 17 67	2426	320,39	.90157	0000-1300		318,30	75	318,44	48
12 18 67	2426	320,39	.90082	0000-1400	1915-2400	318,09	96	318,31	70

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO. INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO# METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS		
12 19 67	2426	320,39	,90006	0000-2400		318,03	94	318.02	87
12 20 67	2426	320,39	,89930	0000-2400		318,14	88	318.16	85
12 21 67	2426	320,39	,89855	0000-1500, 2215-2400		317,51	88	317.95	57
12 22 67	2426	320,39	,89780	0000-2400		317,46	81	317.49	77
12 23 67	2426	320,39	,89705	0000-1500, 2115-2400		317,57	91	317.92	57
12 24 67	2426	320,39	,89630	0000-1500		317,80	63	317.98	57
12 25 67	2426	320,39	,89555	0715-2400		317,91	95	318.05	63
12 26 67	2426	320,39	,89480	0000-2400		318,47	96	318.43	88
12 27 67	2426	320,39	,89405	0000-2400		318,07	96	318.07	95
12 28 67	2426	320,39	,89331	0000-1200, 1715-2400		318,13	96	318.33	66
12 29 67	2426	320,39	,89256	0000-2400		318,66	96	318.67	91
12 30 67	2426	320,39	,89182	0000-1700, 2115-2400		318,67	73	318.67	73
12 31 67	2426	320,39	,89108	0000-2400		318,11	96	318.10	94

MONTHLY AVERAGES

317.97 (31 DAYS),

318.06 (31 DAYS)

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
1 1 68	2426	320,39	,89034	0000-1500, 1945-2400	318,05	96	318,17	71	
1 2 68	2426	320,39	,88960	0000-2400	318,14	94	318,15	91	
1 3 68	2426	320,39	,88886	0000-0500	318,27	63	318,20	19	
1 4 68	3757	321,36	,88812	0000-2400	318,55	90	318,54	83	
1 5 68	3757	321,36	,88739	0000-1200, 2015-2400	318,34	95	318,52	62	
1 6 68	3757	321,36	,88665	0000-2400	318,61	96	318,61	96	
1 7 68	3757	321,36	,88592	0000-0830, 1545-2400	318,71	95	318,73	65	
1 8 68	3757	321,36	,88519	0000-1200, 2115-2400	318,66	96	318,71	58	
1 9 68	3757	321,36	,88446	0000-2400	318,20	76	318,23	70	
1 10 68	3757	321,36	,88373	0000-2400	318,53	96	318,53	94	
1 11 68	3757	321,36	,88300	0000-2400	318,41	96	318,42	93	
1 12 68	3757	321,36	,88227	0000-2400	318,39	96	318,39	93	
1 13 68	3757	321,36	,88155	0000-2400	318,20	96	318,19	92	
1 14 68	3757	321,36	,88082	0000-0800	319,00	54	318,57	32	
1 15 68	3757	321,36	,88010	1815-2400	318,70	47	318,94	12	
1 16 68	3757	321,36	,87938	0000-2400	318,74	93	318,74	92	
1 17 68	3757	321,36	,87866	0000-2400	318,53	75	318,53	75	
1 18 68	3757	321,36	,87794	0000-2400	318,73	96	318,74	94	
1 19 68	3757	321,36	,87722	0000-2400	318,74	96	318,75	94	
1 20 68	3757	321,36	,87650	0000-0800	318,33	94	318,48	29	
1 21 68	3757	321,36	,87579	0000-1400	318,42	92	318,92	49	
1 22 68	3757	321,36	,87507		318,80	61	0	0	
1 23 68	4290	318,59	,87436	0000-1030, 2215-2400	318,16	91	318,34	46	
1 24 68	4290	318,59	,87364	0000-2400	318,77	87	318,77	75	
1 25 68	4290	318,59	,87293	0000-0900, 1415-2400	319,05	96	318,91	74	
1 26 68	4290	318,59	,87222	0000-1200, 1515-2400	318,66	96	318,72	78	
1 27 68	4290	318,59	,87151	0000-1500, 2045-2400	319,11	72	319,03	60	
1 28 68	4290	318,59	,87080	0000-2400	318,57	96	318,57	93	
1 29 68	4290	318,59	,87010	0000-1200, 1815-2400	318,80	96	319,04	70	

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
1 30 68	4290	318,59	.86939	0000-1200, 1945-2400		318.30	96	318.82	64
1 31 68	4290	318,59	.86869	0000-1000		318.44	93	318.77	36
MONTHLY AVERAGES						318,54 (31 DAYS),	318,60 (30 DAYS)		
2 1 68	4290	318,59	.86798	0000-2400		318,55	96	318,55	94
2 2 68	4290	318,59	.86728	0000-1600		318,79	61	318,80	60
2 3 68	4290	318,59	.86658	0345-2400		318,66	61	318,66	59
2 4 68	4290	318,59	.86588	0000-2400		318,78	85	318,78	82
2 5 68	4290	318,59	.86518	0000-0930		318,32	96	318,26	36
2 6 68	4290	318,59	.86448	0545-2400		319,59	94	318,90	70
2 7 68	4290	318,59	.86378	0000-2400		318,95	73	318,96	71
2 8 68	4290	318,59	.86309	0000-2400		319,20	96	319,18	86
2 9 68	4290	318,59	.86239	0000-2400		320,11	96	320,13	89
2 10 68	4290	318,59	.86170	0000-1000, 1515-2400		319,45	96	319,34	73
2 11 68	4290	318,59	.86101	0000-0800		318,54	60	318,77	31
2 12 68	3759	319,24	.86032	0000-2400		318,74	93	318,74	87
2 13 68	3759	319,24	.85963	0000-0600, 1315-2400		319,12	85	319,13	61
2 14 68	3759	319,24	.85894	0000-1230		319,78	96	319,59	43
2 15 68	3759	319,24	.85825	0000-2400		318,95	95	318,94	85
2 16 68	3759	319,24	.85756	0000-2400		319,56	94	319,58	84
2 17 68	3759	319,24	.85688	0000-2400		319,12	76	319,14	71
2 18 68	3759	319,24	.85619	0000-2400		320,05	96	320,05	95
2 19 68	3759	319,24	.85551	0000-2400		319,81	96	319,79	87
2 20 68	3759	319,24	.85483	0000-2400		319,26	90	319,26	83
2 21 68	3759	319,24	.85415	0000-2400		319,20	96	319,21	92
2 22 68	3759	319,24	.85347	0000-2400		319,15	95	319,15	94
2 23 68	3759	319,24	.85279	0000-0600, 2045-2400		318,99	65	319,45	36
2 24 68	3759	319,24	.85211	0000-0900, 2215-2400		319,43	63	319,30	42

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
2 25 68	3759	319,24	.85143	0000-2400	319,41	96	319.41	93	
2 26 68	3759	319,24	.85075	0000-2400	318,85	94	318.83	85	
2 27 68	3759	319,24	.85009	0000-2400	319,08	94	319.07	87	
2 28 68	3759	319,24	.84941	0000-1300	319,01	95	319.40	47	
2 29 68	3759	319,24	.84873		319.27	91	0	0	

MONTHLY AVERAGES 319.16 (29 DAYS), 319.16 (28 DAYS)

3 1 68	3759	319,24	.84806	0000-1400	319,18	96	319.72	53
3 2 68	3759	319,24	.84739	0315-0800, 2015-2400	318,88	75	318.71	33
3 3 68	3759	319,24	.84672	0000-0400, 1915-2400	319,32	92	319.19	33
3 4 68	3759	319,24	.84605	0000-1400	318,85	91	319.17	44
3 5 68	3759	319,24	.84539	0000-1100	318,98	95	318.83	43
3 6 68	3752	318,85	.84472		319,86	56	0	0
3 7 68	3752	318,85	.84405	1845-2400	319,87	96	319.83	21
3 8 68	3752	318,85	.84339	0000-2400	319,73	96	319.73	95
3 9 68	3752	318,85	.84273	0000-0900	320,23	93	320.15	33
3 10 68	3752	318,85	.84206		320,49	96	0	0
3 11 68	3752	318,85	.84140		319,55	96	0	0
3 12 68	3752	318,85	.84074	1315-2400	319,98	93	319.44	43
3 13 68	3752	318,85	.84008		319,96	71	0	0
3 14 68	3752	318,85	.83943	0000-0730	319,66	96	319.50	30
3 15 68	3752	318,85	.83877	1715-2400	320,14	96	320.06	27
3 16 68	3752	318,85	.83811	0000-2400	319,84	96	319.84	95
3 17 68	3752	318,85	.83746	0000-1000	319,37	93	319.49	38
3 18 68	3752	318,85	.83680	0000-1700	319,80	96	319.95	60
3 19 68	3752	318,85	.83615	0215-1600	319,89	62	319.86	52
3 20 68	3752	318,85	.83550	0000-2400	319,62	95	319.60	94

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARISONS
3 21 68	3752	318,86	,83485	0000-2400		320,27	95	320,29	89
3 22 68	3752	318,86	,83420			320,10	96	0	0
3 23 68	3752	318,86	,83355	0000-2400		319,96	91	319,96	90
3 24 68	3752	318,86	,83290	0000-2400		320,61	96	320,61	96
3 25 68	3752	318,86	,83225	0000-2400		320,02	95	320,03	94
3 26 68	3752	318,86	,83161	0000-1400, 2045-2400		320,26	73	320,31	64
3 27 68	3752	318,86	,83096	0000-2400		320,36	94	320,34	87
3 28 68	3752	318,86	,83032	0000-2400		320,65	96	320,65	96
3 29 68	3752	318,86	,82968	0000-2400		320,79	94	320,78	93
3 30 68	3752	318,86	,82903	0000-2400		320,84	96	320,84	95
3 31 68	3752	318,86	,82839	0000-0800		320,90	79	320,74	32

MONTHLY AVERAGES

319,93 (31 DAYS), 319,91 (26 DAYS)

4 1 68	11089	319,84	,82775			320,09	76	0	0
4 2 68	11089	319,84	,82712			320,58	95	0	0
4 3 68	11089	319,84	,82648	0000-1000, 1745-2400		320,64	96	320,61	63
4 4 68	11089	319,84	,82553	0000-0700, 2115-2400		320,14	95	320,69	39
4 5 68	11089	319,84	,82643	0000-0700		320,55	95	320,62	28
4 6 68	11089	319,84	,82733	1345-2400		320,99	95	320,53	40
4 7 68	11089	319,84	,82823	0000-2400		320,70	74	320,69	72
4 8 68	11089	319,84	,82913	0000-1100, 1815-2400		320,54	94	320,67	64
4 9 68	11089	319,84	,83003	0000-2400		320,92	96	320,92	95
4 10 68	11089	319,84	,83093	0000-2400		321,23	76	321,24	74
4 11 68	11089	319,84	,83184	0000-1130, 1615-2400		321,19	96	320,94	73
4 12 68	11089	319,84	,83275	0000-1000		320,81	61	320,52	39
4 13 68	11089	319,84	,83366			321,56	96	0	0
4 14 68	11089	319,84	,83457	0000-0330, 1915-2400		321,15	96	321,08	33
4 15 68	11089	319,84	,83549	0000-0900, 1945-2400		320,61	96	320,92	51

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	3 INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	6	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
4 16 68	11089	319,84	,83641	0000-2400		320,73	86		
4 17 68	11089	319,84	,83733	0000-1100, 1945-2400		320,72	63	320,72	83
4 18 68	11089	319,84	,83825	0000-0830		320,79	92	320,69	60
4 19 68	11089	319,84	,83917			320,96	92	320,46	31
4 20 68	11089	319,84	,84009			321,05	95	0	0
4 21 68	11089	319,84	,84102	0000-0900		320,29	96	0	0
4 22 68	11089	319,84	,84195	1145-1500, 2015-2300		320,82	95	320,63	34
4 23 68	11089	319,84	,84288	0000-0515				320,61	24
4 23 68	11083	323,64	,84288	0530-2400		321,05	94	321,10	84
4 24 68	11083	323,64	,84382	0000-1000, 1945-2400		321,14	54	321,17	48
4 25 68	11083	323,64	,84475	0000-0800, 1515-2400		321,21	96	321,25	64
4 26 68	11083	323,64	,84569	0000-2400		321,28	96	321,28	93
4 27 68	11083	323,64	,84663	0000-0830, 1715-2400		321,27	94	321,33	60
4 28 68	11083	323,64	,84757	0000-2400		321,69	95	321,67	90
4 29 68	11083	323,64	,84851	1745-2400		321,25	95	320,95	24
4 30 68	11083	323,64	,84946	0000-0800		321,33	73	321,06	31
MONTHLY AVERAGES						320,91 (30 DAYS),	320,89 (25 DAYS)		
5 1 68	11083	323,64	,85041	0000-1400, 2315-2400		321,07	96	321,41	59
5 2 68	11083	323,64	,85136	0000-1100, 1415-2400		321,36	94	321,23	81
5 3 68	11083	323,64	,85231	0000-2400		321,64	96	321,64	96
5 4 68	11083	323,64	,85326	0000-1400		322,69	63	321,55	56
5 5 68	11083	323,64	,85422	0000-0600		321,41	92	321,52	24
5 6 68	11083	323,64	,85518	1515-2400		321,34	96	321,21	35
5 7 68	11083	323,64	,85614	0000-2400		321,45	96	321,44	95
5 8 68	11083	323,64	,85710	0000-2400		320,97	96	320,97	96
5 9 68	11083	323,64	,85807	0000-2400		321,48	93	321,48	92
5 10 68	11083	323,64	,85903	0000-2100		321,28	81	321,29	80

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO. INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS		
5 11 68	11083	323,64	.86000	0000-2400		320.89	93	320.97	85
5 12 68	11083	323,64	.86097	1315-2400		320.36	76	320.20	43
5 13 68	11083	323,64	.86195	0000-1400		320.31	92	320.77	52
5 14 68	11083	323,64	.86292	0000-1000		320.66	57	320.60	40
5 15 68	11083	323,64	.86390						
5 15 68	4275	324,39	.86390	1515-2400		320.92	70	321.43	35
5 16 68	4275	324,39	.86488	0000-1100		321.33	95	321.59	43
5 17 68	4275	324,39	.86587	0000-0530		320.81	96	321.19	22
5 18 68	4275	324,39	.86685			321.30	84	0	0
5 19 68	4275	324,39	.86784	0000-2400		321.70	94	321.67	92
5 20 68	4275	324,39	.86883	0000-0900, 1445-2400		322.06	96	321.78	73
5 21 68	4275	324,39	.86982	0000-0300, 1115-2400		321.64	94	321.89	61
5 22 68	4275	324,39	.87081	0000-2400		321.98	75	321.98	71
5 23 68	4275	324,39	.87181	0000-0900, 2015-2400		321.98	96	321.94	51
5 24 68	4275	324,39	.87281	0000-0900, 2015-2400		321.78	96	321.85	50
5 25 68	4275	324,39	.87381	0000-0830		321.94	95	321.83	34
5 26 68	4275	324,39	.87481	0000-0700, 1345-2400		322.03	96	322.11	69
5 27 68	4275	324,39	.87582	0000-1000		321.55	96	322.19	40
5 28 68	4275	324,39	.87682	0000-0900		321.55	35	321.55	35
5 29 68	4275	324,39	.87783			320.80	38	0	0
5 30 68	4275	324,39	.87885	0000-1000		321.57	81	321.53	40
5 31 68	4275	324,39	.87986			320.66	66	0	0
MONTHLY AVERAGES						321.37 (31 DAYS),	321.46 (28 DAYS)		
6 1 68	4275	324,39	.88088	0815-1500, 2015-2400		322.04	96	322.04	42
6 2 68	4275	324,39	.88190	0000-0900, 2215-2400		321.61	96	321.72	43
6 3 68	4275	324,39	.88292	0000-2400		321.81	77	321.81	77
6 4 68	4275	324,39	.88394	0000-2400		321.44	96	321.45	93

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
6 5 68	4275	324,39	.88497	0000-133)		321.67	53	321.68	52
6 6 68	4275	324,39	.88600	0345-240)		321.68	61	321.65	60
6 7 68	4275	324,39	.88703	0000-090)					
6 7 68	11081	322,83	.88703	1545-240)		321.71	66	321.71	66
6 8 68	11081	322,83	.88806	0000-240)		321.72	96	321.72	96
6 9 68	11081	322,83	.88910	0000-240)		321.69	94	321.69	94
6 10 68	11081	322,83	.89014	0000-240)		321.71	96	321.71	96
6 11 68	11081	322,83	.89118	0000-240)		321.86	88	321.70	84
6 12 68	11081	322,83	.89222	0000-240)		321.55	96	321.59	92
6 13 68	11081	322,83	.89327	0000-010), 1615-2400		321.78	96	321.87	35
6 14 68	11081	322,83	.89432	0000-080)		321.91	70	321.68	31
6 15 68	11081	322,83	.89537			321.06	76	0	0
6 16 68	11081	322,83	.89642	1645-240)		320.76	90	320.95	23
6 17 68	11081	322,83	.89748			321.39	88	0	0
6 18 68	11081	322,83	.89853			320.70	55	0	0
6 19 68	11081	322,83	.89959			320.97	92	0	0
6 20 68	11081	322,83	.90066	0000-240)		320.66	95	320.70	92
6 21 68	11081	322,83	.90172	0000-083), 1545-2400		320.99	68	321.14	63
6 22 68	11081	322,83	.90279	0000-240)		320.84	87	320.95	78
6 23 68	11081	322,83	.90386	0000-240)		320.90	87	321.04	83
6 28 68	11081	322,83	.82875	1515-240)		320.89	31	320.89	31
6 29 68	11081	322,83	.82849	0000-240)		320.62	96	320.62	96
6 30 68	11081	322,83	.82823	0000-090)		319.70	96	320.47	36
MONTHLY AVERAGES						321.29 (26 DAYS),		321.40 (22 DAYS)	
7 1 68	11081	322,83	.82797	0115-120)		320.13	95	320.80	42
7 2 68	11081	322,83	.82771	0115-083)					
7 2 68	2405	321.79	.82771	1545-240)		320.20	68	320.22	62

TABLE B, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
7 3 68	2405	321,79	.82746	0000-1400	320.30	94	320.67	54	
7 4 68	2405	321,79	.82720	0000-1500	320.51	96	320.77	60	
7 5 68	2405	321,79	.82694	0215-1130	320.12	96	320.76	36	
7 6 68	2405	321,79	.82668	1715-2400	320.27	96	320.53	27	
7 7 68	2405	321,79	.82643	0000-2400	320.69	96	320.69	96	
7 8 68	2405	321,79	.82617	0000-0800	320.24	96	320.54	32	
7 9 68	2405	321,79	.82591		319.72	96	0	0	
7 10 68	2405	321,79	.82565	1745-2400	320.67	73	320.02	25	
7 11 68	2405	321,79	.82540	0000-2400	320.14	96	320.14	96	
7 12 68	2405	321,79	.82514	0000-0600	319.81	92	320.47	24	
7 13 68	2405	321,79	.82488	0000-1500, 1745-2400	320.02	92	320.16	81	
7 14 68	2405	321,79	.82463	0000-2400	320.03	96	320.04	95	
7 15 68	2405	321,79	.82437	0000-2400	319.98	96	319.97	95	
7 16 68	2405	321,79	.82412	0000-0900, 1515-2400	319.94	70	319.94	70	
7 17 68	2405	321,79	.82386	0000-1230	319.81	96	320.06	50	
7 18 68	2405	321,79	.82361	0000-1130, 2115-2400	320.01	96	320.37	56	
7 19 68	2405	321,79	.82335	0000-1000	319.21	86	320.03	38	
7 20 68	2405	321,79	.82309	0000-0730, 2015-2400	319.62	96	320.03	45	
7 21 68	2405	321,79	.82284	0000-2400	319.82	96	319.82	95	
7 22 68	2405	321,79	.82258	0000-0330, 0915-1130 2215-2400	319.38	74	319.70	29	
7 23 68	2405	321,79	.82233	0000-1100	318.95	93	319.37	44	
7 24 68	2405	321,79	.82207	0000-1300	319.15	96	319.53	52	
7 25 68	2405	321,79	.82182	0000-0300, 0715-1200	319.30	96	319.29	31	
7 26 68	2405	321,79	.82157	0000-0900, 2015-2400	318.97	76	319.60	50	
7 27 68	2405	321,79	.82131	0000-2400	319.56	95	319.56	95	
7 28 68	2405	321,79	.82105	0000-1300, 1845-2400	319.00	96	319.33	73	
7 29 68	2405	321,79	.82080	0000-2400	319.30	96	319.30	96	
7 30 68	2405	321,79	.82055	0000-1330, 2115-2400	318.74	96	319.08	65	

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	321,79 INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO* NO. OF COMPARISONS	NO. OF COMPARISONS	STEADY DATA MANO- CONC.	NO. OF COMPARISONS
7 31 68	2405	321,79	.82030	0000-0930		317.83	96	319.08	38
MONTHLY AVERAGES						319.72 (31 DAYS),		320.00 (30 DAYS)	
8 1 68	2405	321,79	.82004	0000-0800, 2245-2400		317.52	94	317.92	37
8 2 68	2405	321,79	.81979	0000-0500					
8 2 68	4295	321,94	.81979	2115-2400		317.87	66	318.16	31
8 3 68	4295	321,94	.81954			317.78	96	0	0
8 4 68	4295	321,94	.81928			318.84	96	0	0
8 5 68	4295	321,94	.81903	1815-2400		318.50	96	318.65	23
8 6 68	4295	321,94	.81878	0000-2400		318.60	94	318.60	94
8 7 68	4295	321,94	.81853	0000-1400		317.91	96	318.49	56
8 8 68	4295	321,94	.81827			317.28	96	0	0
8 9 68	4295	321,94	.81802			317.98	93	0	0
8 10 68	4295	321,94	.81777	0000-1200		317.57	96	318.35	48
8 11 68	4295	321,94	.81752	0000-1200, 2015-2400		317.85	96	318.44	63
8 12 68	4295	321,94	.81727	0000-1300, 1915-2400		318.01	96	318.28	71
8 13 68	4295	321,94	.81702	0000-0900		316.98	79	317.67	35
8 14 68	4295	321,94	.81675			317.62	96	0	0
8 15 68	4295	321,94	.81651	0000-0930		317.88	96	318.23	33
8 16 68	4295	321,94	.81626			317.91	91	0	0
8 17 68	4295	321,94	.81601	0000-1300		317.30	93	318.06	50
8 19 68	4295	321,94	.81551			315.86	61	0	0
8 20 68	4295	321,94	.81526	0000-1300		316.87	96	317.67	52
8 21 68	4295	321,94	.81501	1815-2400		318.12	69	317.79	23
8 22 68	4295	321,94	.81476	0000-1000, 2115-2400		316.96	96	317.80	51
8 23 68	4295	321,94	.81451	0000-0700		317.08	91	317.73	28
8 24 68	4295	321,94	.81426			316.52	96	0	0
8 25 68	4295	321,94	.81401	0000-0200, 0515-1100 2015-2400		316.55	96	317.67	46

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARISONS	
8 26 68	4295	321.94	.81376	0000-0500	317.07	36	317.48	20	
8 27 68	4295	321.94	.81351	1515-2400	317.73	36	317.73	35	
8 28 68	4295	321.94	.81326	0000-1800	317.66	95	317.74	71	
8 29 68	4295	321.94	.81301		318.16	96	0	0	
8 30 68	4295	321.94	.81276	0245-0830, 1945-2400	316.50	74	317.35	40	
8 31 68	4295	321.94	.81251	0000-1600	317.67	96	317.86	64	

MONTHLY AVERAGES 317.54 (30 DAYS), 317.98 (21 DAYS)

9 1 68	4295	321.94	.81227	0000-2030	317.12	96	317.05	82
9 2 68	4295	321.94	.81202	0000-2400	317.21	96	317.21	96
9 3 68	4295	321.94	.81177	0000-2400	317.04	94	317.04	94
9 4 68	4295	321.94	.81152	0000-2400	317.00	96	317.00	96
9 5 68	4295	321.94	.81127	0000-0800	316.20	96	316.47	32
9 6 68	4295	321.94	.81103					
9 6 68	2419	316.69	.81103	1515-2400	316.75	66	315.59	31
9 7 68	2419	316.69	.81078	0000-0400, 0645-2400	317.04	96	316.44	85
9 8 68	2419	316.69	.81053	0000-2400	316.51	96	316.51	96
9 9 68	2419	316.69	.81028	0000-0600, 1115-2400	316.62	94	316.22	75
9 10 68	2419	316.69	.81004	0000-1730	316.61	96	316.72	69
9 11 68	2419	316.69	.80979	0000-0330	317.63	82	318.06	14
9 12 68	2419	316.69	.80954	0000-2400	317.36	96	317.36	96
9 13 68	2419	316.69	.80929	0000-0800, 1445-2400	316.84	76	316.86	68
9 14 68	2419	316.69	.80905	0000-2400	317.05	96	317.05	96
9 15 68	2419	316.69	.80880	0000-1200, 1715-2400	316.87	96	317.10	74
9 16 68	2419	316.69	.80856	0000-0400, 1745-2400	317.22	96	317.14	41
9 17 68	2419	316.69	.80831	0000-0900, 1545-2400	316.34	72	316.42	68
9 18 68	2419	316.69	.80806	0000-2400	315.73	96	315.62	80
9 19 68	2419	316.69	.80782	0000-1100, 1815-2400	315.74	94	315.89	64

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
9 20 68	2419	316,69	,80757	0000-0700, 1645-2400	315,82	68	315,63	57	
9 21 68	2419	316,69	,80733	0000-0700	315,65	96	315,67	24	
9 22 68	2419	316,69	,80708	0000-0900	315,32	96	316,00	35	
9 23 68	2419	316,69	,80684	0000-2400	315,68	96	315,64	89	
9 24 68	2419	316,69	,80659	0000-0500, 1445-2400	315,83	55	315,83	55	
9 25 68	2419	316,69	,80635	0000-2200	316,22	87	316,19	86	
9 26 68	2419	316,69	,80610	1015-2400	315,44	65	315,23	55	
9 27 68	2419	316,69	,80586	0000-0900, 1945-2400	315,35	86	315,75	52	
9 28 68	2419	316,69	,80561	0000-1200	315,42	96	316,25	48	
9 29 68	2419	316,69	,80537	1145-2400	315,48	93	314,84	48	
9 30 68	2419	316,69	,80512	0000-1200	315,45	96	315,91	48	
MONTHLY AVERAGES						316,35 (30 DAYS),	316,36 (30 DAYS)		
10 1 68	2419	316,69	,80488	0000-0800	315,85	69	316,79	30	
10 2 68	2419	316,69	,80463	1445-2400	316,53	76	316,42	37	
10 3 68	2419	316,69	,80439	1715-2400	317,00	71	317,29	27	
10 4 68	2419	316,69	,80415		320,47	92	0	0	
10 5 68	2419	316,69	,80390	0000-2400	316,38	96	316,38	96	
10 6 68	2419	316,69	,80366	0000-1200, 1945-2400	315,74	96	316,14	63	
10 7 68	2419	316,69	,80342	0000-0900, 1945-2400	316,07	96	316,27	53	
10 8 68	2419	316,69	,80317	0000-0800					
10 8 68	4297	322,62	,80317		315,73	65	316,41	32	
10 9 68	4297	322,62	,80293	0000-1200	316,30	96	316,37	48	
10 10 68	4297	322,62	,80269		316,19	96	0	0	
10 11 68	4297	322,62	,80245	0345-1200	316,84	94	317,13	31	
10 12 68	4297	322,62	,80220	0345-2400	316,47	94	316,22	79	
10 13 68	4297	322,62	,80196	0000-1400, 1745-2400	315,96	96	316,31	81	
10 14 68	4297	322,62	,80172	0000-2400	316,44	93	316,44	93	

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	RECORD FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
10 15 68	4297	322,62	,80148	0000-2400		316,37	96	316,37	96
10 16 68	4297	322,62	,80123	0000-0700,	1645-2400	315,84	74	316,02	57
10 17 68	4297	322,62	,80099	0000-1000,	2145-2400	315,73	96	316,03	49
10 18 68	4297	322,62	,80075	0000-1400,	2045-2400	316,34	94	316,48	67
10 19 68	4297	322,62	,80051	0000-0600,	1145-2400	316,14	96	316,31	73
10 20 68	4297	322,62	,80027	0000-2400		316,18	96	316,20	86
10 21 68	4297	322,62	,80003	0000-2400		316,08	96	316,08	95
10 22 68	4297	322,62	,79979	0000-2400		316,25	92	316,25	92
10 23 68	4297	322,62	,79955	0000-2400		315,98	96	315,98	96
10 24 68	4297	322,62	,79930	0000-1000,	2045-2400	315,30	96	315,83	48
10 25 68	4297	322,62	,79906	1515-2400		316,63	70	315,34	35
10 26 68	4297	322,62	,79882	0345-1200		315,83	96	315,87	33
10 27 68	4297	322,62	,79858	0045-0800		315,91	96	315,95	29
10 28 68	4297	322,62	,79834	0000-1200,	2015-2400	315,72	95	316,03	62
10 29 68	4297	322,62	,79810	0000-0930,	2015-2400	315,76	96	315,92	53
10 30 68	4297	322,62	,79786	0000-1300		315,81	96	316,59	52
10 31 68	4297	322,62	,79762			316,12	96	0	0

MONTHLY AVERAGES

316,26 (31 DAYS),

316,27 (28 DAYS)

11 1 68	4297	322,62	,79738	0000-0830,	1815-2400	316,19	73	316,30	57
11 2 68	4297	322,62	,79714	0000-2400		316,43	96	316,40	92
11 3 68	4297	322,62	,79691	0000-2400		316,70	96	316,70	96
11 4 68	4297	322,62	,79667	0000-1300		316,58	96	316,87	52
11 5 68	4297	322,62	,79643			317,27	96	0	0
11 6 68	4297	322,62	,79619	0000-0630		316,69	94	316,79	26
11 7 68	4297	322,62	,79595	0545-1200,	1915-2400	317,33	96	316,87	44
11 8 68	4297	322,62	,79571	0000-0800					
11 8 68	2423	319,79	,79571	1745-2400		316,23	69	316,45	57

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO# METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
11 9 68	2423	319,79	,79547	0000-1000, 1715-2400	316,72	96	316.60	67	
11 10 68	2423	319,79	,79523	0000-0830, 2045-2400	316,76	96	316.92	47	
11 11 68	2423	319,79	,79500	0000-1200, 2045-2400	316,48	96	316.81	55	
11 12 68	2423	319,79	,79476	0000-1000	317,00	94	317.07	40	
11 13 68	2423	319,79	,79452	0245-1030	316,98	96	317.64	31	
11 14 68	2423	319,79	,79428	0000-0800	317,213	96	317,5	32	
11 15 68	2423	319,79	,79405	0000-0900, 1745-2400	317,14	72	317,29	58	
11 16 68	2423	319,79	,79381	0000-1000, 1745-2400	317,26	96	317,31	65	
11 17 68	2423	319,79	,79357	0000-0800	317,38	96	317,24	32	
11 18 68	2423	319,79	,79333	1545-2400	317,39	96	317,20	33	
11 19 68	2423	319,79	,79310	0000-2400	317,25	96	317,25	96	
11 20 68	2423	319,79	,79286	0000-0900	317,16	95	316,98	36	
11 21 68	2423	319,79	,79262	0000-0700, 1715-2400	317,44	95	317,31	54	
11 22 68	2423	319,79	,79239	0000-2400	317,75	96	317,74	95	
11 23 68	2423	319,79	,79215	0000-0800, 1745-2400	317,51	96	317,62	57	
11 24 68	2423	319,79	,79191	0000-2400	317,82	96	317,82	92	
11 25 68	2423	319,79	,79168	0000-1300, 1945-2400	317,72	96	317,98	69	
11 26 68	2423	319,79	,79144	0000-0800	317,66	96	317,88	32	
11 27 68	2423	319,79	,79121		317,53	70	0	0	
11 28 68	2423	319,79	,79097	1545-2400	317,69	96	317,05	29	
11 29 68	2423	319,79	,79073	0000-0830	317,58	93	317,44	34	
11 30 68	2423	319,79	,79050	0445-2400	318,47	96	318,22	75	
MONTHLY AVERAGES						317,17 (30 DAYS),	317,17 (28 DAYS)		
12 1 68	2423	319,79	,79026	0000-1030	317,85	96	318,36	42	
12 2 68	2423	319,79	,79003	0115-0800	318,10	96	318,04	27	
12 3 68	2423	319,79	,78979	0000-0730, 1215-2400	318,25	93	318,09	77	
12 4 68	2423	319,79	,78956	0000-0800	318,45	96	318,09	32	

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
12 5 68	2423	319,79	,78932			318,68	96	0	0
12 6 68	2423	319,79	,78909			320,21	72	0	0
12 7 68	2423	319,79	,78885			318,35	96	0	0
12 8 68	2423	319,79	,78862	1745-2400		318,52	96	318,09	25
12 9 68	2423	319,79	,78839	0000-0600		318,47	96	318,16	24
12 10 68	2423	319,79	,78815	0145-2400		318,62	96	318,54	89
12 11 68	2423	319,79	,78792	0000-1100		318,10	96	318,25	43
12 12 68	2423	319,79	,78768	1815-2400		318,57	96	318,29	23
12 13 68	2423	319,79	,78745	0000-0830, 1745-2400		318,90	90	318,62	59
12 14 68	2423	319,79	,78722	0000-0800		318,61	96	318,54	32
12 15 68	2423	319,79	,78698	0000-0630		318,11	83	318,42	26
12 16 68	2423	319,79	,78675	1445-2400		319,04	48	319,12	35
12 17 68	2423	319,79	,78652	0000-0700					
12 17 68	11092	321,84*	,78652	1545-2400		319,32	65	319,27	61
12 18 68	11092	321,84*	,78628	0000-2400		319,04	96	319,04	96
12 19 68	11092	321,84*	,78605	0000-2400		319,21	96	319,21	96
12 20 68	11092	321,84*	,78582	0000-1100, 1445-2400		319,38	80	319,38	80
12 21 68	11092	321,84*	,78559	0000-2400		318,72	93	318,69	83
12 22 68	11092	321,84*	,78535	0000-0800		319,29	59	318,83	32
12 23 68	11092	321,84*	,78512			319,10	63	0	0
12 24 68	11092	321,84*	,78489			319,31	96	0	0
12 25 68	11092	321,84*	,78466	1745-2400		319,00	96	318,88	25
12 26 68	11092	321,84*	,78443	0000-0700, 1545-2400		318,83	94	318,66	61
12 27 68	11092	321,84*	,78419	0000-0900		318,65	74	318,93	36
12 28 68	11092	321,84*	,78396	1215-2400		319,09	96	318,63	47
12 29 68	11092	321,84*	,78373	0000-0700, 1945-2400		319,17	96	319,00	45
12 30 68	11092	321,84*	,78350	0000-0800, 1745-2400		319,24	96	319,09	57
12 31 68	11092	321,84*	,78327			319,73	96	0	0

MONTHLY AVERAGES

318,84 (31 DAYS), 318,65 (25 DAYS)

*Calibration measurements made on January 14, 1969 omitted from average

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO# METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARISONS
1 1 69	11092	*321,84*	.78304	0445-1500, 1815-2400		319.44	96	319.19	60
1 2 69	11092	321,84*	.78281	1915-2400		318.49	96	318.62	23
1 3 69	11092	321,84*	.78258	0000-2400		319.14	77	319.14	77
1 4 69	11092	321,84*	.78235	0000-2400		319.17	91	319.15	89
1 5 69	11092	321,84*	.78212	0000-0700		319.08	30	319.10	28
1 6 69	11092	321,84*	.78189			0	0	0	0
1 7 69	11092	321,84*	1.09006	1515-2400		319.02	36	319.01	35
1 8 69	11092	321,84*	1.09010	0000-2400		319.27	96	319.27	96
1 9 69	11092	321,84*	1.09015	0000-2400		319.28	96	319.28	96
1 10 69	11092	321,84*	1.09019	0000-2400		319.39	84	319.40	83
1 11 69	11092	321,84*	1.09023	0000-2400		319.73	96	319.73	96
1 12 69	11092	321,84*	1.09027			320.03	96	0	0
1 13 69	11092	321,84*	1.09031	1145-2400		319.95	96	319.89	49
1 14 69	11092	321,84*	1.09035	0000-0800, 1515-2400		320.34	72	320.33	67
1 15 69	11092	321,84*	1.09040	0000-2400		320.29	96	320.29	96
1 16 69	11092	321,84*	1.09044	0000-0900, 1415-2400		320.46	75	320.47	74
1 17 69	11092	321,84*	1.09048	0000-1300, 1415-2400		320.85	91	320.86	90
1 18 69	11092	321,84*	1.09052	0000-2400		320.65	96	320.65	96
1 19 69	11092	321,84*	1.09056	0000-2400		320.76	96	320.76	96
1 20 69	11092	321,84*	1.09060	0000-2400		320.84	96	320.84	96
1 21 69	11092	*321,84*	1.09065	0000-0900					
1 21 69	4283	322,75	1.09065	1515-2400		320.62	69	320.61	66
1 22 69	4283	322,75	1.09069	0000-2400		320.92	96	320.92	96
1 23 69	4283	322,75	1.09073	0000-2400		320.59	96	320.59	96
1 24 69	4283	322,75	1.09077	0000-1100, 1715-2400		320.88	95	320.72	71
1 25 69	4283	322,75	1.09081	0000-1100, 1745-2400		320.62	96	320.47	69
1 26 69	4283	322,75	1.09086	0000-1100, 1815-2400		320.78	96	320.58	67
1 27 69	4283	322,75	1.09090	0000-2400		320.50	96	320.50	96
1 28 69	4283	322,75	1.09094	0000-2400		320.31	96	320.31	96

*Calibration measurements made on January 14, 1969 omitted from average

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS
1 29 69	4283	322.75	1.09098	0000-1000, 1615-2400		320.92	96	320.67	71
1 30 69	4283	322.76	1.09102	0000-2400		320.62	96	320.62	96
1 31 69	4283	322.75	1.09106	0000-1000		320.38	80	320.48	39
MONTHLY AVERAGES						320.11 (30 DAYS),	320.08 (29 DAYS)		
2 1 69	4283	322.76	1.09111	1615-2400		321.06	96	319.99	31
2 2 69	4283	322.76	1.09115	0715-1330		321.29	83	321.11	25
2 3 69	4283	322.76	1.09119	1315-2400		320.87	51	320.84	43
2 4 69	4283	322.76	1.09123	0000-0900		320.30	94	320.37	36
2 5 69	4283	322.76	1.09127			320.81	96	0	0
2 6 69	4283	322.76	1.09132	0000-0800		320.53	95	320.44	32
2 7 69	4283	322.76	1.09136			320.70	91	0	0
2 8 69	4283	322.76	1.09140	0000-1400		320.31	87	320.57	55
2 9 69	4283	322.75	1.09144	0000-2400		320.29	96	320.29	96
2 10 69	4283	322.76	1.09148	0000-0900		319.37	71	319.86	35
2 11 69	4283	322.75	1.09152	0045-1400		319.91	96	320.49	53
2 12 69	4283	322.76	1.09157			320.15	96	0	0
2 13 69	4283	322.75	1.09161	0415-1000		320.33	79	320.28	23
2 14 69	4283	322.76	1.09165			320.14	47	0	0
2 15 69	4283	322.76	1.09169	0215-2400		320.44	95	320.49	87
2 16 69	4283	322.76	1.09173	0000-2400		320.30	96	320.30	96
2 17 69	4283	322.76	1.09178	0000-0900, 1545-2400		320.71	75	320.78	69
2 18 69	4283	322.76	1.09182	0000-2400		321.89	96	321.89	96
2 19 69	4283	322.75	1.09186	0000-2400		321.31	96	321.31	96
2 20 69	4283	322.76	1.09190	0000-2400		321.61	96	321.61	96
2 21 69	4283	322.76	1.09194	0000-1400, 1745-2400		321.34	96	321.47	81
2 22 69	4283	322.76	1.09198	0000-1000		320.73	96	320.87	40
2 23 69	4283	322.76	1.09203			321.11	96	0	0

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS
2 24 69	4283	322.75	1.09207						
2 24 69	181	323.12	1.09207						
2 25 69	181	323.12	1.09211	1445-2400		320.34	68	0	0
2 26 69	181	323.12	1.09215	0000-2400		321.34	96	320.77	37
2 27 69	181	323.12	1.09219	0415-1200		321.09	96	321.07	92
2 28 69	181	323.12	1.09224	0000-0630		321.78	96	322.18	29
						322.39	96	321.76	26
MONTHLY AVERAGES						320.80 (28 DAYS),		320.85 (22 DAYS)	
3 1 69	181	323.12	1.09228	0000-1100, 1445-2400		321.71	96	321.56	81
3 2 69	181	323.12	1.09232	0000-1000, 1245-2400		321.51	96	321.14	83
3 3 69	181	323.12	1.09236	0000-0900, 1745-2400		321.30	88	321.10	61
3 4 69	181	323.12	1.09240	0000-0800, 1045-2400		321.41	96	321.21	80
3 5 69	181	323.12	1.09245	0000-0800		321.33	78	321.70	32
3 6 69	181	323.12	1.09249	1145-2400		322.12	96	322.38	49
3 7 69	181	323.12	1.09253	0000-2400		321.57	96	321.57	96
3 8 69	181	323.12	1.09257	0000-2100		321.96	96	321.65	84
3 9 69	181	323.12	1.09261	0745-1400		321.66	96	322.55	25
3 10 69	181	323.12	1.09266	0000-0800, 2045-2400		321.87	96	321.69	43
3 11 69	181	323.12	1.09270	0000-0800, 2045-2400		321.72	96	321.45	45
3 12 69	181	323.12	1.09274	0000-0700		321.77	70	321.66	28
3 13 69	181	323.12	1.09278	1445-2400		322.39	96	321.85	37
3 14 69	181	323.12	1.09282	0000-1000		322.67	96	322.65	40
3 15 69	181	323.12	1.09286	0000-1000		322.11	96	322.20	40
3 16 69	181	323.12	1.09291	0000-1000		322.47	96	322.28	40
3 17 69	181	323.12	1.09295	1215-2400		322.88	96	321.50	47
3 18 69	181	323.12	1.09299	0000-0900, 1745-2400		321.75	96	321.59	61
3 19 69	181	323.12	1.09303	0000-1200, 1745-2400		321.67	95	321.68	73
3 20 69	181	323.12	1.09307	0000-2400		321.89	96	321.79	89

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10	
DATE	WORKING REFERENCE TASK NO. INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS		
3 21 69	181	323,12	1,09312	0000-1000			322,23	95	322.12	40
3 22 69	181	323,12	1,09316	0000-0900			322,33	96	322.07	36
3 23 69	181	323,12	1,09320				323,03	96	0	0
3 24 69	181	323,12	1,09324	0000-0800			322,40	81	322,87	32
3 25 69	181	323,12	1,09328	0000-0630			322,29	96	322,49	26
3 26 69	181	323,12	1,09333	0000-0800, 0945-2400			322,52	96	322,56	76
3 27 69	181	323,12	1,09337	0000-2400			322,24	96	322,24	96
3 28 69	181	323,12	1,09341	0000-2400			322,32	96	322,32	96
3 29 69	181	323,12	1,09345	0000-1000			322,07	96	321,29	40
3 30 69	181	323,12	1,09349	0000-2400			321,96	96	321,96	96
3 31 69	181	323,12	1,09354	0000-2400			321,92	96	321,92	96
MONTHLY AVERAGES							322,04 (31 DAYS),		321,90 (30 DAYS)	
4 1 69	181	323,12	1,09358	0000-0900						
4 1 69	2407	323,37	1,09358	1945-2400			322,23	69	322,39	52
4 2 69	2407	323,37	1,09362	0000-2400			322,61	96	322,61	96
4 3 69	2407	323,37	1,09366	0000-2400			322,52	95	322,52	95
4 4 69	2407	323,37	1,09370	1815-2400			322,60	75	322,26	23
4 5 69	2407	323,37	1,09375	0000-2400			322,66	96	322,66	96
4 6 69	2407	323,37	1,09379	0000-2400			322,29	96	322,29	96
4 7 69	2407	323,37	1,09383	0000-0800			323,16	96	322,03	32
4 8 69	2407	323,37	1,09387	1115-2400			323,56	96	323,02	47
4 9 69	2407	323,37	1,09391	0000-0800, 1745-2400			323,19	77	323,33	57
4 10 69	2407	323,37	1,09396	0000-0600			323,07	96	323,35	24
4 11 69	2407	323,37	1,09400	0000-2400			323,37	96	323,37	96
4 12 69	2407	323,37	1,09404	0000-2400			323,34	96	323,34	96
4 13 69	2407	323,37	1,09408	0000-2400			323,46	96	323,46	96
4 14 69	2407	323,37	1,09412	0000-2400			323,31	96	323,25	89

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	323,37 INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS
4 15 69	2407	323,37	1.09417	0000-2400		323.13	95	323.02	75
4 16 69	2407	323,37	1.09421	0000-0900		322.67	96	323.00	36
4 17 69	2407	323,37	1.09425			322.48	61	0	0
4 18 69	2407	323,37	1.09429	0000-0800, 1745-2400		322.91	94	322.89	57
4 19 69	2407	323,37	1.09433	0000-1100		322.93	95	322.84	43
4 20 69	2407	323,37	1.09438	0000-0800, 1945-2400		322.98	96	322.71	49
4 21 69	2407	323,37	1.09442	0000-0900, 1745-2400		322.27	72	322.36	58
4 22 69	2407	323,37	1.09446	0000-0800		323.25	96	322.74	32
4 23 69	2407	323,37	1.09450			323.25	96	0	0
4 24 69	2407	323,37	1.09454	0000-2400		322.40	96	322.40	96
4 25 69	2407	323,37	1.09459	0000-2400		322.44	96	322.43	92
4 26 69	2407	323,37	1.09463	0000-2400		322.43	96	322.43	95
4 27 69	2407	323,37	1.09467	0000-2400		322.77	96	322.77	96
4 28 69	2407	323,37	1.09471	0000-0800, 1345-2400		323.17	78	323.12	72
4 29 69	2407	323,37	1.09476	0000-0800, 1545-2400		323.45	96	323.20	65
4 30 69	2407	323,37	1.09480	0000-0700, 2045-2400		323.32	96	323.29	41

MONTHLY AVERAGES

322,91 (30 DAYS), 322,82 (28 DAYS)

5 1 69	2407	323,37	1.09484	0000-0600		323.32	96	323.68	24
5 2 69	2407	323,37	1.09488	0145-2400		323.76	96	323.60	89
5 3 69	2407	323,37	1.09492	1545-2400		324.11	96	323.27	33
5 4 69	2407	323,37	1.09497	0000-0800		324.03	57	323.41	32
5 5 69	2407	323,37	1.09501	1115-2400		324.13	52	324.14	51
5 6 69	2407	323,37	1.09505	0000-0600, 1945-2400		324.35	94	324.02	41
5 7 69	2407	323,37	1.09509	0000-0700					
5 7 69	1008	324.90	1.09509			323.71	65	323.87	28
5 8 69	1008	324.90	1.09513	0000-0800		323.81	96	323.57	32
5 9 69	1008	324.90	1.09518	0000-2400		324.40	95	324.40	95

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO., INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS		
5 10 69	1008	324.90	1.09522	0000-2400		324.24	96	324.24	96
5 11 69	1008	324.90	1.09526	0000-2400		324.64	96	324.64	94
5 12 69	1008	324.90	1.09530	0000-0800, 1645-2400		324.12	96	323.50	60
5 13 69	1008	324.90	1.09534	0000-2400		323.44	96	323.44	96
5 14 69	1008	324.90	1.09539	0000-2400		322.82	96	322.82	96
5 15 69	1008	324.90	1.09543	0000-0830		322.64	78	322.61	34
5 16 69	1008	324.90	1.09547			323.74	96	0	0
5 17 69	1008	324.90	1.09551	0000-2400		323.27	96	323.27	96
5 18 69	1008	324.90	1.09556	0000-0800, 1945-2400		323.68	96	323.17	49
5 19 69	1008	324.90	1.09560	0000-0700		323.71	96	323.19	28
5 20 69	1008	324.90	1.09564	0000-1000, 1645-2400		323.45	96	323.15	69
5 21 69	1008	324.90	1.09568	0000-0930, 1745-2400		322.72	94	322.26	63
5 22 69	1008	324.90	1.09572	0000-0800		322.61	96	323.25	32
5 23 69	1008	324.90	1.09577	1545-2400		322.78	96	321.55	33
5 24 69	1008	324.90	1.09581	0000-2400		322.90	96	322.90	96
5 25 69	1008	324.90	1.09585	0000-0800, 1645-2400		323.77	96	323.57	61
5 26 69	1008	324.90	1.09589	0000-0900, 1545-2400		324.10	72	324.10	69
5 27 69	1008	324.90	1.09593	0000-0730, 1945-2400		323.90	96	323.88	47
5 28 69	1008	324.90	1.09598	0000-0700		323.81	95	323.95	28
5 29 69	1008	324.90	1.09602			324.40	96	0	0
5 30 69	1008	324.90	1.09606			324.19	96	0	0
5 31 69	1008	324.90	1.09610	0000-0800, 2015-2400		323.52	96	323.13	47
MONTHLY AVERAGES						323.68 (31 DAYS),	323.45 (28 DAYS)		
6 1 69	1008	324.90	1.09615	0000-1000, 1645-2400		324.08	96	323.66	69
6 2 69	1008	324.90	1.09619	0000-0800, 1745-2400		323.29	80	323.33	57
6 3 69	1008	324.90	1.09623	0000-2400		323.71	96	323.71	96
6 4 69	1008	324.90	1.09627	0000-2400		323.59	96	323.59	96

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO., INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS		
6 5 69	1008	324,90	1.09631	0000-2400		322,97	96	322.97	96
6 6 69	1008	324,90	1.09636	0000-0800		322,58	96	322.70	32
6 7 69	1008	324,90	1.09640			322,90	96	0	0
6 8 69	1008	324,90	1.09644	0000-0600, 1945-2400		322,98	96	322.63	41
6 9 69	1008	324,90	1.09648	1615-1630					
6 9 69	6060	316,73	1.09648	1645-2400		322,77	68	321.92	30
6 10 69	6060	316,73	1.09653	0000-0700		322,76	96	322.28	28
6 11 69	6060	316,73	1.09657	0245-2400		323,42	96	323.50	85
6 12 69	6060	316,73	1.09661	0715-2400		323,92	96	323.65	67
6 13 69	6060	316,73	1.09665			323,33	96	0	0
6 14 69	6060	316,73	1.09669			323,07	96	0	0
6 15 69	6060	316,73	1.09674			322,88	96	0	0
6 16 69	6060	316,73	1.09678	1345-2400		322,76	78	321.77	41
6 17 69	6060	316,73	1.09682	0000-1000, 1945-2400		322,56	96	322.32	57
6 18 69	6060	316,73	1.09686	0000-2400		322,63	96	322.64	94
6 19 69	6060	316,73	1.09691	0000-0800		322,43	96	322.47	32
6 20 69	6060	316,73	1.09695	0000-2400		322,84	95	322.84	95
6 21 69	6060	316,73	1.09699	1345-2400		323,36	96	322.90	41
6 22 69	6060	316,73	1.09703	0745-2400		322,94	96	322.94	65
6 23 69	6060	316,73	1.09707			322,61	96	0	0
6 24 69	6060	316,73	1.09712			322,29	96	0	0
6 25 69	6060	316,73	1.09716	0000-0800		322,30	72	322.84	32
6 26 69	6060	316,73	1.09720	1945-2400		322,84	96	322.03	21
6 27 69	6060	316,73	1.09724	0000-0700		322,36	94	322.15	28
6 28 69	6060	316,73	1.09729	0000-0700, 1615-2400		322,83	96	322.70	59
6 29 69	6060	316,73	1.09733	0000-2400		322,47	96	322.47	96
6 30 69	6060	316,73	1.09737	0000-2400		322,24	96	322.24	96

MONTHLY AVERAGES

322,92 (30 DAYS), 322,76 (24 DAYS)

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
7 1 69	6060	316.73	1.09741	0000-2400		322.40	96	322.40	96
7 2 69	6060	316.73	1.09746	0000-1000		321.48	96	321.91	40
7 3 69	6060	316.73	1.09750	1415-2400		321.82	94	321.24	39
7 4 69	6060	316.73	1.09754	0000-0600		321.59	96	322.00	24
7 5 69	6060	316.73	1.09758			321.64	96	0	0
7 6 69	6060	316.73	1.09762	1145-2400		322.56	96	322.63	49
7 7 69	6060	316.73	1.09767	0000-2400		322.34	81	322.34	81
7 8 69	6060	316.73	1.09771	0000-2400		322.99	96	322.99	96
7 9 69	6060	316.73	1.09775	0000-1200		321.99	96	322.81	48
7 10 69	6060	316.73	1.09779	0000-0830		321.97	96	322.27	34
7 11 69	6060	316.73	1.09784	0045-1000, 1615-2400		322.03	96	322.28	68
7 12 69	6060	316.73	1.09788	0000-2400		322.49	96	322.49	96
7 13 69	6060	316.73	1.09792	0000-2400		321.81	96	321.81	96
7 14 69	6060	316.73	1.09796	0000-0800					
7 14 69	3759	321.72	1.09796			321.43	67	321.60	32
7 15 69	3759	321.72	1.09801	0000-0600		322.19	96	321.46	24
7 16 69	3759	321.72	1.09805	0515-1030		322.25	76	322.16	19
7 17 69	3759	321.72	1.09809	0000-0730		321.40	95	321.82	30
7 18 69	3759	321.72	1.09813			321.75	85	0	0
7 19 69	3759	321.72	1.09817	0000-2400		321.22	96	321.22	96
7 20 69	3759	321.72	1.09822	0000-2400		321.74	96	321.74	96
7 21 69	3759	321.72	1.09826	0000-1000		321.78	96	321.94	40
7 22 69	3759	321.72	1.09830	0000-0730		321.09	78	321.54	30
7 23 69	3759	321.72	1.09834	0000-0700		321.17	96	321.80	28
7 24 69	3759	321.72	1.09839			321.14	96	0	0
7 25 69	3759	321.72	1.09843			321.48	96	0	0
7 26 69	3759	321.72	1.09847	0000-0600		320.91	96	322.02	24
7 27 69	3759	321.72	1.09851			321.01	96	0	0
7 28 69	3759	321.72	1.09856	1615-2400		321.31	96	321.05	31

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
7 29 69	3759	321.72	1.09860	0000-0930, 1745-2400	321.52	96	321.22	63	
7 30 69	3759	321.72	1.09864	0000-2400	321.39	96	321.39	96	
7 31 69	3759	321.72	1.09868	0000-0800	320.30	72	320.94	32	
MONTHLY AVERAGES					321.68 (31 DAYS),		321.89 (26 DAYS)		
8 1 69	3759	321.72	1.09873	0215-0900	319.52	96	320.03	27	
8 2 69	3759	321.72	1.09877	0000-0830	319.46	96	319.39	34	
8 3 69	3759	321.72	1.09881		320.36	96	0	0	
8 4 69	3759	321.72	1.09885		320.63	96	0	0	
8 5 69	3759	321.72	1.09889	0515-1130	320.75	96	321.10	25	
8 6 69	3759	321.72	1.09894	0000-0700, 1415-2400	321.47	96	321.36	67	
8 7 69	3759	321.72	1.09898	0000-0800	320.58	96	321.67	32	
8 8 69	3759	321.72	1.09902	0000-0900, 1745-2400	320.55	96	320.20	61	
8 9 69	3759	321.72	1.09906	0000-0700	319.39	96	319.72	28	
8 10 69	3759	321.72	1.09911	0545-1400	319.67	96	320.25	29	
8 11 69	3759	321.72	1.09915	0000-2400	320.57	78	320.57	78	
8 12 69	3759	321.72	1.09919	0000-2400	320.65	96	320.65	96	
8 13 69	3759	321.72	1.09923	0000-0300, 1745-2400	319.01	96	319.11	37	
8 14 69	3759	321.72	1.09928	0000-2400	319.94	96	319.94	96	
8 15 69	3759	321.72	1.09932	0000-0900	320.19	93	319.28	35	
8 16 69	3759	321.72	1.09936	0000-0800	319.43	96	320.30	32	
8 17 69	3759	321.72	1.09940	1545-2400	318.83	96	319.31	29	
8 18 69	3759	321.72	1.09945	0000-0600	318.62	96	319.41	24	
8 19 69	3759	321.72	1.09949	1545-2400	318.39	96	317.49	29	
8 20 69	3759	321.72	1.09953	0000-0800					
8 20 69	4290	322.00	1.09953		317.95	68	317.95	32	
8 21 69	4290	322.00	1.09957	1545-2400	318.88	96	318.67	29	
8 22 69	4290	322.00	1.09962		318.66	93	0	0	

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO# METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
8 23 69	4290	322,00	1.09966			318.53	96	0	0
8 24 69	4290	322,00	1.09970	0000-0730		319.13	96	319.06	30
8 25 69	4290	322,00	1.09974	0000-0700, 1745-2400		319.22	96	319.00	53
8 26 69	4290	322,00	1.09979	0000-1000		319.16	96	318.72	40
8 27 69	4290	322,00	1.09983	0000-2400		319.75	92	319.75	92
8 28 69	4290	322,00	1.09987	0000-1800		318.52	96	319.39	72
8 29 69	4290	322,00	1.09991	1245-2400		318.81	80	319.07	44
8 30 69	4290	322,00	1.09996	0000-1200, 1945-2400		318.69	96	319.40	65
8 31 69	4290	322,00	1.10000	0000-2400		318.81	96	318.81	96
MONTHLY AVERAGES						319.49 (31 DAYS),	319.61 (27 DAYS)		
9 1 69	4290	322,00	1.10004	0000-2400		319.03	96	319.03	96
9 2 69	4290	322,00	1.10008	0000-1200, 1645-2400		319.08	93	319.18	76
9 3 69	4290	322,00	1.10013	0000-0700, 1645-2400		318.41	96	318.19	57
9 4 69	4290	322,00	1.10017	0000-0800		317.82	96	317.91	32
9 5 69	4290	322,00	1.10021	0000-0700		318.41	95	319.18	28
9 6 69	4290	322,00	1.10025	1315-2030		318.94	96	318.07	29
9 7 69	4290	322,00	1.10030			320.34	96	0	0
9 8 69	4290	322,00	1.10034	1445-2400		320.25	96	318.29	37
9 9 69	4290	322,00	1.10038	1345-2400		319.17	95	318.30	40
9 10 69	4290	322,00	1.10042	0000-0800		318.31	73	319.24	32
9 11 69	4290	322,00	1.10047	1145-2400		319.06	96	318.88	44
9 12 69	4290	322,00	1.10051	0000-0800		318.64	95	319.16	32
9 13 69	4290	322,00	1.10055			318.55	96	0	0
9 14 69	4290	322,00	1.10059	0000-2400		318.71	96	318.71	96
9 15 69	4290	322,00	1.10064	0000-2400		318.61	96	318.61	96
9 16 69	4290	322,00	1.10068	0000-0600		318.10	96	318.64	24
9 17 69	4290	322,00	1.10072	0215-1200		318.80	80	319.41	24

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO. INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA			ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
9 18 69	4290	322,00	1,10076	0315-240J		319,84	96	319,46	82
9 19 69	4290	322,00	1,10081	0000-063J		318,69	96	318,74	26
9 20 69	4290	322,00	1,10085			318,67	96	0	0
9 21 69	4290	322,00	1,10089			318,80	96	0	0
9 22 69	4290	322,00	1,10093			318,05	96	0	0
9 23 69	4290	322,00	1,10098	0000-110J, 1815-2400		318,15	96	318,13	67
9 24 69	4290	322,00	1,10102	0000-090J					
9 24 69	2418	319,64	1,10102			317,81	65	318,03	35
9 25 69	2418	319,64	1,10106	0000-240J		318,36	96	318,27	88
9 26 69	2418	319,64	1,10110	0000-240J		318,52	94	318,52	94
9 27 69	2418	319,64	1,10115	0000-240J		318,33	96	318,29	95
9 28 69	2418	319,64	1,10119	0000-240J		317,85	96	317,85	96
9 29 69	2418	319,64	1,10123	0000-240J		317,96	96	317,96	96
9 30 69	2418	319,64	1,10127	0000-240J		317,97	96	317,97	96

MONTHLY AVERAGES

318,64 (30 DAYS), 318,56 (25 DAYS)

10 1 69	2418	319,64	1,10132	0000-073J		317,71	82	318,09	30
10 2 69	2418	319,64	1,10136	0000-070J		318,13	96	317,71	28
10 3 69	2418	319,64	1,10140	0215-083J		318,40	94	318,08	25
10 4 69	2418	319,64	1,10145	0000-090J, 2045-2400		318,14	63	317,82	49
10 5 69	2418	319,64	1,10149	0000-073J		317,34	93	317,51	30
10 6 69	2418	319,64	1,10153	0000-073J, 1945-2400		317,56	96	316,76	47
10 7 69	2418	319,64	1,10157	0000-240J		318,02	95	317,99	91
10 8 69	2418	319,64	1,10162	0000-080J, 1515-2400		317,94	70	317,96	67
10 9 69	2418	319,64	1,10166	0000-090J		318,40	96	317,99	36
10 10 69	2418	319,64	1,10170	1715-240J		318,68	96	317,90	27
10 11 69	2418	319,64	1,10174	0000-240J		318,48	96	318,48	96
10 12 69	2418	319,64	1,10179	0000-240J		318,47	96	318,47	96

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
10 13 69	2418	319,64	1.10183	0000-0730, 1845-2400		317.93	96	317.74	51
10 14 69	2418	319,64	1.10187	0000-1100, 1615-2400		317.83	96	317.55	75
10 15 69	2418	319,64	1.10191	0000-2400		318.24	95	318.24	95
10 16 69	2418	319,64	1.10196	0000-1000, 1515-2400		317.97	96	317.84	75
10 17 69	2418	319,64	1.10200	0000-0900		317.80	78	317.87	35
10 18 69	2418	319,64	1.10204	1545-2400		319.47	96	317.60	33
10 19 69	2418	319,64	1.10208	0000-2400		318.35	96	318.32	94
10 20 69	2418	319,64	1.10213	0000-2400		318.56	94	318.56	94
10 21 69	2418	319,64	1.10217	0000-0600		318.21	96	318.80	24
10 22 69	2418	319,64	1.10221	1245-2400		319.03	96	318.02	45
10 23 69	2418	319,64	1.10226	0000-2400		318.56	96	318.56	96
10 24 69	2418	319,64	1.10230	0000-1000		318.18	94	318.36	40
10 25 69	2418	319,64	1.10234	0045-0900, 1215-2400		318.33	96	318.15	80
10 26 69	2418	319,64	1.10238	0000-0430, 1915-2400		318.70	96	318.10	37
10 27 69	2418	319,64	1.10243	0000-0900					
10 27 69	4292	324,31	1.10243			318.00	68	318.03	33
10 28 69	4292	324,31	1.10247	1715-2400		318.24	96	317.51	27
10 29 69	4292	324,31	1.10251	0000-0700, 1715-2400		318.47	96	318.32	55
10 30 69	4292	324,31	1.10255	0000-0800, 1815-2400		318.66	96	318.23	55
10 31 69	4292	324,31	1.10260	0000-0730		318.50	94	318.29	26

MONTHLY AVERAGES

318.27 (31 DAYS), 318.03 (31 DAYS)

11 1 69	4292	324,31	1.10264	0000-1030, 1645-2400		318.28	96	318.03	71
11 2 69	4292	324,31	1.10268	0000-0900, 1915-2400		318.50	96	318.25	55
11 3 69	4292	324,31	1.10272	0000-2400		318.51	96	318.51	96
11 4 69	4292	324,31	1.10277	0000-2400		318.67	96	318.67	96
11 5 69	4292	324,31	1.10281	0000-2400		318.77	96	318.77	96
11 6 69	4292	324,31	1.10285	0000-0900, 1815-2400		318.83	96	318.40	59

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS	
11 7 69	4292	324,31	1,10290	0000-0800, 1715-2400	319.08	79	318.87	59	
11 8 69	4292	324,31	1,10294	0000-0900, 1815-2400	319.45	96	319.03	59	
11 9 69	4292	324,31	1,10298	0000-0800	318.72	96	318.59	32	
11 10 69	4292	324,31	1,10302	1345-2400	319.47	96	318.84	41	
11 11 69	4292	324,31	1,10307	0000-0830	319.07	96	318.69	34	
11 12 69	4292	324,31	1,10311	0000-0600, 1815-2400	319.42	96	318.94	47	
11 13 69	4292	324,31	1,10315	0000-2400	319.13	96	319.13	96	
11 14 69	4292	324,31	1,10319	0000-2400	318.71	72	318.71	72	
11 15 69	4292	324,31	1,10324	0000-0800, 1815-2400	319.00	96	318.68	55	
11 16 69	4292	324,31	1,10328	0000-2400	318.93	96	318.93	96	
11 17 69	4292	324,31	1,10332	0000-2400	319.00	96	319.00	96	
11 18 69	4292	324,31	1,10337	0000-0730, 1715-2400	318.91	96	318.77	57	
11 19 69	4292	324,31	1,10341	0000-2400	319.06	94	319.06	94	
11 20 69	4292	324,31	1,10345	0000-1200	318.89	96	318.85	48	
11 21 69	4292	324,31	1,10349	1315-2400	319.41	78	319.13	43	
11 22 69	4292	324,31	1,10354	1715-2400	320.17	96	318.92	27	
11 23 69	4292	324,31	1,10358	0000-2400	319.27	96	319.27	96	
11 24 69	4292	324,31	1,10362	0000-0700, 1815-2400	319.70	96	319.34	51	
11 25 69	4292	324,31	1,10366	0000-1000	319.85	96	319.75	39	
11 26 69	4292	324,31	1,10371	1715-2400	319.56	96	318.48	27	
11 27 69	4292	324,31	1,10375	0000-1200, 2115-2400	319.91	96	319.51	59	
11 28 69	4292	324,31	1,10379	0000-0730, 1815-2400	319.99	94	319.81	53	
11 29 69	4292	324,31	1,10384	0000-0730, 1515-2400	320.09	96	319.65	65	
11 30 69	4292	324,31	1,10388	0515-1000, 1415-2400	320.21	96	319.69	58	

MONTHLY AVERAGES

319.22 (30 DAYS), 318.94 (30 DAYS)

12 1 69	4292	324,31	1,10392	0000-0900					
12 1 69	4277	320,26	1,10392	1915-2400	319.86	68	320.02	54	

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
12 2 69	4277	320,26	1,10396	0000-2400		320,24	96	320,24	96
12 3 69	4277	320,26	1,10401	0000-2400		320,13	96	320,13	96
12 4 69	4277	320,26	1,10405	0000-2400		319,91	96	319,91	96
12 5 69	4277	320,26	1,10409	0000-2400		320,12	94	320,12	94
12 6 69	4277	320,26	1,10414	0000-2400		320,04	96	320,04	96
12 7 69	4277	320,26	1,10418	0000-2400		320,20	96	320,20	96
12 8 69	4277	320,26	1,10422	0000-2400		320,24	96	320,21	93
12 9 69	4277	320,26	1,10426	0000-2400		320,18	96	320,18	96
12 10 69	4277	320,26	1,10431	0000-2400		319,87	79	319,86	75
12 11 69	4277	320,26	1,10435	0000-0330, 1745-2400		320,72	96	320,24	39
12 12 69	4277	320,26	1,10439	0000-0730, 1845-2400		320,20	94	320,37	51
12 13 69	4277	320,26	1,10444	0000-0800, 1815-2400		320,21	96	320,24	55
12 14 69	4277	320,26	1,12077	0000-0830, 1845-2400		320,32	96	319,89	55
12 15 69	4277	320,26	1,12091	0000-0730, 1815-2400		320,35	96	320,21	50
12 16 69	4277	320,26	1,12104	0000-0800, 1645-2400		320,76	96	320,46	61
12 17 69	4277	320,26	1,12117	0000-0900, 1945-2400		320,10	72	320,18	51
12 18 69	4277	320,26	1,12131	0000-2400		320,37	96	320,37	96
12 19 69	4277	320,26	1,12144	0000-2330		319,69	94	319,68	92
12 20 69	4277	320,26	1,12157	1345-2400		320,02	96	320,83	41
12 21 69	4277	320,26	1,12170	0000-0230, 1815-2400		322,00	96	320,55	33
12 22 69	4277	320,26	1,12184	0000-1930		321,10	96	320,78	78
12 23 69	4277	320,26	1,12197	0815-2400		321,62	96	320,58	63
12 24 69	4277	320,26	1,12210	0000-2400		320,69	95	320,69	95
12 25 69	4277	320,26	1,12224	0000-2400		320,87	96	320,86	95
12 26 69	4277	320,26	1,12237	0000-2400		320,81	96	320,81	96
12 27 69	4277	320,26	1,12250	0000-2400		320,65	96	320,65	96
12 28 69	4277	320,26	1,12264	0000-2400		320,69	96	320,69	96
12 29 69	4277	320,26	1,12277	0000-0800		320,29	75	320,55	31
12 30 69	4277	320,26	1,12290	0000-2400		320,63	96	320,54	93

TABLE 8, DAI_LY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
12 31 69	4277	320,26	1.12304	0000-2400		320,90	96	320,90	96
MONTHLY AVERAGES						320,45 (31 DAYS),	320,35 (31 DAYS)		
1 1 70	4277	320,26	1.12317	1845-2400		321,00	96	320,46	21
1 2 70	4277	320,26	1.12330	0000-0530, 1915-2400		321,17	96	320,79	41
1 3 70	4277	320,26	1.12344	0000-0900, 1915-2400		320,74	96	320,75	55
1 4 70	4277	320,26	1.12357	0000-2400		320,70	96	320,70	96
1 5 70	4277	320,26	1.12370	0000-0900					
1 5 70	11080	325,47	1.12370	1515-2400		321,01	68	321,01	68
1 6 70	11080	325,47	1.12384	0000-2400		321,40	96	321,40	96
1 7 70	11080	325,47	1.12397	0000-2400		321,68	96	321,68	96
1 8 70	11080	325,47	1.12410	0000-2400		321,39	96	321,39	96
1 9 70	11080	325,47	1.12424	0000-2400		321,66	95	321,66	95
1 10 70	11080	325,47	1.12437	0000-2400		321,27	96	321,27	96
1 11 70	11080	325,47	1.12450	0000-2400		321,52	96	321,52	96
1 12 70	11080	325,47	1.12464	0000-2400		321,33	96	321,33	96
1 13 70	11080	325,47	1.12477	0000-2400		321,33	91	321,33	91
1 14 70	11080	325,47	1.12491	0000-2400		321,06	79	321,06	79
1 15 70	11080	325,47	1.12504	0000-2400		321,16	96	321,16	96
1 16 70	11080	325,47	1.12517	0000-2400		321,14	96	321,14	96
1 17 70	11080	325,47	1.12531	0000-2400		321,17	96	321,17	96
1 18 70	11080	325,47	1.12544	0000-2400		321,23	96	321,23	96
1 19 70	11080	325,47	1.12557	0000-2400		321,24	96	321,24	95
1 20 70	11080	325,47	1.12571	0000-0600		321,49	96	320,80	20
1 21 70	11080	325,47	1.12584	1515-2400		320,86	71	320,28	31
1 22 70	11080	325,47	1.12598	0000-0830		321,46	96	320,74	34
1 23 70	11080	325,47	1.12611	0145-1000, 1715-2400		321,64	96	321,15	60
1 24 70	11080	325,47	1.12624	0000-1000		321,25	96	320,83	40

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	RECORD FOR	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
1 25 70	11080	325,47	1.12638	0000-1030,	1915-2400	321.01	96	320.80	61
1 26 70	11080	325,47	1.12651	0000-0800		321.40	96	320.84	32
1 27 70	11080	325,47	1.12665	0000-0800,	1915-2400	321.53	96	321.47	51
1 28 70	11080	325,47	1.12678	0000-0800,	1545-2400	321.61	78	321.44	65
1 29 70	11080	325,47	1.12692	0000-0800,	1915-2400	321.51	96	321.63	51
1 30 70	11080	325,47	1.12705	0000-1000,	1745-2400	321.87	96	321.72	65
1 31 70	11080	325,47	1.12718	0000-1530		322.02	96	322.02	62
MONTHLY AVERAGES						321,32 (31 DAYS),	321,16 (31 DAYS)		
2 1 70	11080	325,47	1.12732	1745-2400		322.48	96	320.80	25
2 2 70	11080	325,47	1.12745	0000-1200,	1515-2400	321.70	96	321.57	83
2 3 70	11080	325,47	1.12759	0000-1000,	1745-2400	322.26	96	322.08	65
2 4 70	11080	325,47	1.12772	0000-0800		321.92	65	322.37	30
2 5 70	11080	325,47	1.12786	0215-0800		322.04	96	322.19	23
2 6 70	11080	325,47	1.12799	0215-1200					
2 6 70	3758	323,12	1.12799			321.39	92	320.98	39
2 7 70	3758	323,12	1.12813	0000-0800,	1845-2400	322.50	96	322.19	53
2 8 70	3758	323,12	1.12826	0000-0830		322.48	96	321.51	34
2 9 70	3758	323,12	1.12839	0145-0800		321.60	96	320.92	25
2 10 70	3758	323,12	1.12853	1515-2400		322.75	96	322.26	31
2 11 70	3758	323,12	1.12866	0000-1130,	1915-2400	322.75	96	322.31	65
2 12 70	3758	323,12	1.12880	0000-0900,	1945-2400	322.77	96	321.96	53
2 13 70	3758	323,12	1.12893	0000-0800		321.35	84	321.20	32
2 14 70	3758	323,12	1.12907	0000-0800		323.01	96	322.04	32
2 15 70	3758	323,12	1.12920	0000-2400		322.61	96	322.61	96
2 16 70	3758	323,12	1.12934	0000-0800,	1715-2400	322.44	78	322.41	59
2 17 70	3758	323,12	1.12947	0000-0600		322.52	96	322.26	24
2 18 70	3758	323,12	1.12961	1415-2400		322.92	96	322.50	39

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO. INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS		
2 19 70	3758	323,12	1,12974	0000-0930		322,72	96	322,19	38
2 20 70	3758	323,12	1,12988	0000-0900		322,42	94	322,22	36
2 21 70	3758	323,12	1,13001	0000-0930		322,29	96	322,36	38
2 22 70	3758	323,12	1,13015			322,39	95	0	0
2 23 70	3758	323,12	1,13028	0000-0730		322,64	96	322,52	30
2 24 70	3758	323,12	1,13042	0000-0730, 2115-2400		322,87	73	322,61	41
2 25 70	3758	323,12	1,13055	0000-0830, 1915-2400		322,92	96	322,17	53
2 26 70	3758	323,12	1,13069	0000-0830		322,70	96	322,21	34
2 27 70	3758	323,12	1,13082	0000-0830, 1945-2400		322,76	93	322,05	51
2 28 70	3758	323,12	1,13096	0000-0800		322,49	96	322,22	32
MONTHLY AVERAGES						322,42 (28 DAYS),	322,03 (27 DAYS)		
3 1 70	3758	323,12	1,13109	1445-2400		323,22	96	322,37	37
3 2 70	3758	323,12	1,13123	0000-0800		322,66	80	322,44	32
3 3 70	3758	323,12	1,13136	0000-0830		322,89	96	322,46	34
3 4 70	3758	323,12	1,13150	0315-0800, 2015-2400		323,29	96	322,56	34
3 5 70	3758	323,12	1,13163	0000-0830, 1845-2400		323,08	96	322,78	55
3 6 70	3758	323,12	1,13177	0000-0800, 1915-2400		322,77	94	322,64	51
3 7 70	3758	323,12	1,13190	0000-0700, 1515-2400		322,82	96	322,55	63
3 8 70	3758	323,12	1,13204	0000-2330		323,11	96	323,10	94
3 9 70	3758	323,12	1,13218	0000-1445					
3 9 70	11089	323,33	1,13218	1500-2400		323,34	67	323,34	67
3 10 70	11089	323,33	1,13231	0000-0930		323,68	96	323,57	38
3 11 70	11089	323,33	1,13245	1715-2400		323,62	94	322,70	27
3 12 70	11089	323,33	1,13258	0000-0930		323,02	96	323,04	38
3 13 70	11089	323,33	1,13272	0000-2400		322,94	93	322,94	93
3 14 70	11089	323,33	1,13285	0000-0800		323,71	96	322,98	32
3 15 70	11089	323,33	1,13299	0000-0700		323,14	96	323,11	28

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
3 16 70	11089	323,33	1.13312	0000-0700, 1945-2400		322.60	77	322.55	45
3 17 70	11089	323,33	1.13326	0000-0700		322.86	96	322.78	28
3 18 70	11089	323,33	1.13340	0000-2400		323.76	96	323.76	96
3 19 70	11089	323,33	1.13353	0000-2400		323.20	96	323.20	96
3 20 70	11089	323,33	1.13367	0000-2400		323.79	95	323.79	95
3 21 70	11089	323,33	1.13380	0000-2400		324.25	96	324.25	96
3 22 70	11089	323,33	1.13394	0000-0800		323.52	96	323.28	32
3 23 70	11089	323,33	1.13408	0115-0630, 1545-2400		323.71	96	323.45	54
3 24 70	11089	323,33	1.13421	0000-0700		323.45	96	323.14	28
3 25 70	11089	323,33	1.13435	1745-2300		323.87	96	322.83	21
3 26 70	11089	323,33	1.13448	1815-2400		323.42	96	322.73	23
3 27 70	11089	323,33	1.13462	0000-0800		323.41	74	323.55	32
3 28 70	11089	323,33	1.13476	0045-0800, 1415-2400		323.58	96	323.27	68
3 29 70	11089	323,33	1.13489	1845-2400		323.38	96	322.94	21
3 30 70	11089	323,33	1.13503	0000-0700		323.36	96	322.99	28
3 31 70	11089	323,33	1.13516	0215-0900		323.17	96	322.76	27
MONTHLY AVERAGES						323,31 (31 DAYS),	323,03 (31 DAYS)		
4 1 70	11089	323,33	1.13530	0000-2400		323.49	96	323.49	96
4 2 70	11089	323,33	1.13544	0515-2400		324.31	96	323.52	70
4 3 70	11089	323,33	1.13557	0000-0900, 1445-2400		323.77	81	323.67	70
4 4 70	11089	323,33	1.13571	0000-0930		324.70	96	324.74	38
4 5 70	11089	323,33	1.13585	0000-2400		324.80	96	324.80	96
4 6 70	11089	323,33	1.13598	0000-0730, 1145-2400		324.53	93	324.26	79
4 7 70	11089	323,33	1.13612	0000-1100		325.04	96	324.97	44
4 8 70	11089	323,33	1.13625	1545-2400		325.03	96	324.36	29
4 9 70	11089	323,33	1.13639	0000-1200		323.79	96	324.47	48
4 10 70	11089	323,33	1.13653						
4 10 70	11083	323,62	1.13653	1130-2400		324.09	93	323.71	50

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO-METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS	
4 11 70	11083	323.62	1.13666	0000-0900	323.98	96	323.55	36	
4 12 70	11083	323.62	1.13680	0945-2400	324.51	96	324.04	57	
4 13 70	11083	323.62	1.13694	1445-2400	324.14	71	323.52	36	
4 14 70	11083	323.62	1.13707	0000-0800, 1345-2400	324.13	96	323.79	73	
4 15 70	11083	323.62	1.13721	0000-0900, 1715-2400	323.90	96	323.37	63	
4 16 70	11083	323.62	1.13735	1015-2400	323.97	96	324.04	55	
4 17 70	11083	323.62	1.13748	0000-0730, 1345-2400	323.99	96	323.55	71	
4 18 70	11083	323.62	1.13762	0000-0830	324.21	96	323.24	34	
4 19 70	11083	323.62	1.13776	1315-2200	324.94	96	323.95	35	
4 20 70	11083	323.62	1.13789	1345-2400	324.79	83	324.68	41	
4 21 70	11083	323.62	1.13803	0000-0600, 1115-2400	324.79	96	324.58	75	
4 22 70	11083	323.62	1.13817	0000-0700	324.63	96	324.53	28	
4 23 70	11083	323.62	1.13831	0000-0930, 1645-2400	325.19	96	324.83	67	
4 24 70	11083	323.62	1.13844	0000-0900, 1345-2400	324.93	92	324.63	77	
4 25 70	11083	323.62	1.13858	0000-0900, 1345-2400	324.71	96	324.37	77	
4 26 70	11083	323.62	1.13872	0000-0830, 1545-2400	325.03	96	324.67	67	
4 27 70	11083	323.62	1.13885	0000-0900, 1345-2400	324.93	75	324.93	75	
4 28 70	11083	323.62	1.13899	1515-2400	325.21	96	324.45	35	
4 29 70	11083	323.62	1.13913	0000-0800	324.85	96	324.70	32	
4 30 70	11083	323.62	1.13926	1545-2400	325.33	96	324.61	33	

MONTHLY AVERAGES

324.52 (30 DAYS), 324.20 (30 DAYS)

5 1 70	11083	323.62	1.13940	1415-2000	325.07	92	324.12	23
5 2 70	11083	323.62	1.13954	0000-0700	324.38	96	324.18	28
5 3 70	11083	323.62	1.13968	0000-0530, 1445-2400	324.26	96	323.54	59
5 4 70	11083	323.62	1.13981	1515-2400	323.91	80	323.69	35
5 5 70	11083	323.62	1.13995	0000-0730, 1845-2400	324.18	96	323.88	51
5 6 70	11083	323.62	1.14009	0000-0800, 1445-2300	324.16	96	323.82	65

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARISONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARISONS
5 7 70	11083	323,62	1.14023			324,47	96	0	0
5 8 70	11083	323,62	1.14036	0000-0800, 1645-2400		323,90	95	323,54	61
5 9 70	11083	323,62	1.14050	0000-0700, 1345-2400		323,94	96	323,53	69
5 10 70	11083	323,62	1.14064	0000-0730, 1245-2400		324,18	96	323,87	75
5 11 70	11083	323,62	1.14078	0000-0800					
5 11 70	2426	324,45	1.14078	1515-2300		323,86	70	323,75	63
5 12 70	2426	324,45	1.14091			324,28	96	0	0
5 13 70	2426	324,45	1.14105	0000-0700, 1615-2400		324,39	96	324,10	59
5 14 70	2426	324,45	1.14119	0000-2400		324,29	96	324,29	96
5 15 70	2426	324,45	1.14133			324,65	96	0	0
5 16 70	2426	324,45	1.14146			324,59	96	0	0
5 17 70	2426	324,45	1.14160	0000-2400		324,33	96	324,33	96
5 18 70	2426	324,45	1.14174	0000-0800, 1745-2200		324,31	81	324,21	49
5 19 70	2426	324,45	1.14188	2015-2400		324,53	96	323,94	15
5 20 70	2426	324,45	1.14201	1515-2400		325,34	94	323,83	31
5 21 70	2426	324,45	1.14215	1445-2400		325,68	96	323,98	37
5 22 70	2426	324,45	1.14229	1745-2330		325,00	94	324,19	23
5 23 70	2426	324,45	1.14243	0000-0900, 1445-2300		325,09	96	324,84	69
5 24 70	2426	324,45	1.14257	1445-2400		324,67	96	324,03	37
5 25 70	2426	324,45	1.14270	1215-2400		325,19	96	325,19	47
5 26 70	2426	324,45	1.14284	0000-2400		325,19	96	325,19	96
5 27 70	2426	324,45	1.14298	1345-2400		325,45	73	324,58	40
5 28 70	2426	324,45	1.14312	0000-0600, 1215-2400		324,86	96	324,38	71
5 29 70	2426	324,45	1.14326	1315-2100		325,27	96	323,85	31
5 30 70	2426	324,45	1.14340	1515-2230		325,11	96	322,76	29
5 31 70	2426	324,45	1.14353	0000-0830		324,89	96	324,78	34

MONTHLY AVERAGES

324,63 (31 DAYS), 324,09 (27 DAYS)

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
6 1 70	2426	324.45	1.14367	0000-0800, 1615-2330	324.77	92	324.55	61	
6 2 70	2426	324.45	1.14381		325.37	96	0	0	
6 3 70	2426	324.45	1.14395	1515-2400	324.70	96	323.41	31	
6 4 70	2426	324.45	1.14409	0000-2400	323.88	96	323.88	96	
6 5 70	2426	324.45	1.14422	0000-0830	323.83	81	323.91	34	
6 6 70	2426	324.45	1.14436	1415-2400	324.13	96	323.61	39	
6 7 70	2426	324.45	1.14450	0000-1100, 1515-2400	323.98	96	323.81	79	
6 8 70	2426	324.45	1.14464	0000-0630, 1515-2400	324.06	94	323.94	61	
6 9 70	2426	324.45	1.14478	0000-0800, 1615-2400	324.00	96	323.62	63	
6 10 70	2426	324.45	1.14492	0000-0830, 1815-2400	324.01	96	323.74	57	
6 11 70	2426	324.45	1.14506	0000-0700, 1615-2200	324.43	96	323.76	51	
6 12 70	2426	324.45	1.14519	0000-0830					
6 12 70	3752	320.22	1.14519	1845-2400	323.94	70	323.95	54	
6 13 70	3752	320.22	1.14533	0000-0830, 1915-2400	323.96	96	323.70	53	
6 14 70	3752	320.22	1.14547	0000-0930	324.52	96	324.36	38	
6 15 70	3752	320.22	1.14561	0000-0630	324.84	92	325.09	26	
6 16 70	3752	320.22	1.14575	1515-2400	324.40	96	324.17	31	
6 17 70	3752	320.22	1.14589	0000-1030, 2015-2400	324.43	96	324.36	57	
6 18 70	3752	320.22	1.14603	0000-1030, 1945-2400	324.60	96	324.26	59	
6 19 70	3752	320.22	1.14617	0000-0800	324.46	95	324.18	32	
6 20 70	3752	320.22	1.14630	1545-2100	323.84	96	322.89	21	
6 21 70	3752	320.22	1.14644	0000-1000, 2015-2400	323.81	96	324.03	55	
6 22 70	3752	320.22	1.14658	0000-0830	323.81	80	324.15	34	
6 23 70	3752	320.22	1.14672	0000-1100	324.09	96	324.22	44	
6 24 70	3752	320.22	1.14686		323.72	96	0	0	
6 25 70	3752	320.22	1.14700	0000-0800	323.79	96	323.44	32	
6 26 70	3752	320.22	1.14714	0000-0800, 2115-2400	323.16	93	323.79	43	
6 27 70	3752	320.22	1.14728	0000-0700	323.19	96	322.75	28	
6 28 70	3752	320.22	1.14742	0000-0900	323.76	96	324.23	36	

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO. INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS		
6 29 70	3752	320.22	1.14756	0000-0800		323.17	74	323.43	32
6 30 70	3752	320.22	1.14770	0345-1930		323.48	96	323.85	63
MONTHLY AVERAGES						324.07 (30 DAYS),		323.90 (28 DAYS)	
7 1 70	3752	320.22	1.14783	0000-1300		322.86	95	323.62	52
7 2 70	3752	320.22	1.14797	0000-0730		322.85	94	323.51	30
7 3 70	3752	320.22	1.14811	0000-2300		323.16	96	323.22	92
7 4 70	3752	320.22	1.14825	0145-0900, 1945-2400		323.46	96	323.60	46
7 5 70	3752	320.22	1.14839	0000-0530		323.30	96	324.13	22
7 6 70	3752	320.22	1.14853	0315-0800		323.14	82	323.84	19
7 7 70	3752	320.22	1.14867			323.04	96	0	0
7 8 70	3752	320.22	1.14881	0115-0800		322.68	96	322.73	27
7 9 70	3752	320.22	1.14895	1815-2400		323.07	96	322.87	23
7 10 70	3752	320.22	1.14909	0000-0730		322.94	94	322.31	30
7 11 70	3752	320.22	1.14923	1515-2000		323.51	96	322.79	19
7 12 70	3752	320.22	1.14937			323.65	96	0	0
7 13 70	3752	320.22	1.14951	0000-0700					
7 13 70	6081	321.88	1.14951			321.96	71	322.84	28
7 14 70	6081	321.88	1.14965	1715-2400		323.04	96	322.46	27
7 15 70	6081	321.88	1.14979	0000-0730		322.47	96	322.69	30
7 16 70	6081	321.88	1.14993	0000-0930		321.72	96	322.69	38
7 17 70	6081	321.88	1.15007			322.39	95	0	0
7 18 70	6081	321.88	1.15021	1745-2400		323.00	96	323.11	25
7 19 70	6081	321.88	1.15035	0000-2400		323.09	96	323.09	96
7 20 70	6081	321.88	1.15049	0000-0800		322.57	96	322.77	32
7 21 70	6081	321.88	1.15063	0000-0700		321.82	96	321.40	28
7 22 70	6081	321.88	1.15077	0000-0800		322.68	96	322.60	32
7 23 70	6081	321.88	1.15091	0000-1600, 1915-2330		322.91	96	323.07	81

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
7 24 70	6081	321.88	1.15105	0000-0730	322.65	79	323.02	30	
7 25 70	6081	321.88	1.15119	1745-2400	322.20	96	321.16	25	
7 26 70	6081	321.88	1.15133	0000-0800	321.46	96	321.15	32	
7 27 70	6081	321.88	1.15147	0000-0730	321.58	94	321.75	30	
7 28 70	6081	321.88	1.15161	0000-0800	321.30	96	321.57	32	
7 29 70	6081	321.88	1.15175	0000-0700	321.62	96	320.51	28	
7 30 70	6081	321.88	1.15189	0000-0730	322.34	96	322.68	30	
7 31 70	6081	321.88	1.15203	0000-0830	321.27	72	321.83	34	

MONTHLY AVERAGES

322.57 (31 DAYS), 322.61 (28 DAYS)

8 1 70	6081	321.88	1.15217	0000-0700	321.28	96	320.98	28
8 2 70	6081	321.88	1.15231		322.08	96	0	0
8 3 70	6061	321.88	1.15245		321.80	94	0	0
8 4 70	6081	321.88	1.15259	0000-0730	321.68	96	322.45	30
8 5 70	6081	321.88	1.15273	0115-1000	321.69	96	322.55	35
8 6 70	6081	321.88	1.15287		321.42	84	0	0
8 7 70	6081	321.88	1.15301		320.59	47	0	0
8 8 70	6081	321.88	1.15315		321.13	96	0	0
8 9 70	6081	321.88	1.15329		321.16	96	0	0
8 10 70	6081	321.88	1.15343	0315-1000, 1915-2400	321.09	95	321.10	46
8 11 70	6081	321.88	1.15357	0000-0700	320.95	96	321.37	28
8 12 70	6081	321.88	1.15371	0000-2400	321.77	96	321.77	96
8 13 70	6081	321.88	1.15385	0000-1500, 1715-2400	321.09	96	321.25	87
8 14 70	6081	321.88	1.15399	0000-0500				
8 14 70	6060	321.95	1.15399	1845-2400	320.90	71	321.15	41
8 15 70	6060	321.95	1.15414	0000-2400	321.25	96	321.25	96
8 16 70	6060	321.95	1.15428		320.94	96	0	0
8 17 70	6060	321.95	1.15442	0000-0700, 1845-2400	321.36	89	321.45	49

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO-METRIC CONC.	NO. OF COMPARI-SONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARI-SONS
8 18 70	6060	321.95	1.15456	0000-2400		321.14	96	321.14	96
8 19 70	6060	321.95	1.15470	0000-0900		320.54	96	320.97	36
8 20 70	6060	321.95	1.15484	0000-0730, 1915-2400		321.11	96	321.70	49
8 21 70	6060	321.95	1.15498	0000-0500, 2045-2400		320.57	94	321.60	33
8 22 70	6060	321.95	1.15512			320.66	96	0	0
8 23 70	6060	321.95	1.15526			320.41	96	0	0
8 24 70	6060	321.95	1.15540	0000-0700		320.23	80	321.48	28
8 25 70	6060	321.95	1.15555	0000-0900		319.75	96	320.83	36
8 26 70	6060	321.95	1.15569	1515-2400		320.61	96	320.55	35
8 27 70	6060	321.95	1.15583			320.68	96	0	0
8 28 70	6060	321.95	1.15597			320.61	94	0	0
8 29 70	6060	321.95	1.15611	0000-0800		320.61	96	320.84	32
8 30 70	6060	321.95	1.15625	1515-2400		319.52	96	318.99	31
8 31 70	6060	321.95	1.15639	0000-2400		319.37	71	319.37	71

MONTHLY AVERAGES

320.90 (31 DAYS), 321.14 (20 DAYS)

9 1 70	6060	321.95	1.15653	0000-2400		319.55	96	319.55	96
9 2 70	6060	321.95	1.15668	0000-0930, 1715-2400		319.74	96	319.48	65
9 3 70	6060	321.95	1.15682	0000-0630		319.72	96	319.73	26
9 4 70	6060	321.95	1.15696	0415-0800, 2045-2400		319.54	92	319.77	28
9 5 70	6060	321.95	1.15710	0000-0700		319.58	96	320.11	28
9 6 70	6060	321.95	1.15724	0000-1000, 1815-2400		319.89	96	319.42	63
9 7 70	6060	321.95	1.15738	0000-0900, 2115-2400		319.48	96	318.85	47
9 8 70	6060	321.95	1.15752	0000-0730		319.16	96	319.35	30
9 9 70	6060	321.95	1.15767	0000-0700		319.89	96	320.50	28
9 10 70	6060	321.95	1.15781	0000-0700		319.58	96	319.85	28
9 11 70	6060	321.95	1.15795			319.38	79	0	0
9 12 70	6060	321.95	1.15809	0000-0830		319.77	96	319.73	34

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
9 13 70	6060	321,96	1,15823	0000-0700		320,00	96	320.48	28
9 14 70	6060	321,96	1,15837			319,66	94	0	0
9 15 70	6060	321,96	1,15852			320,06	96	0	0
9 16 70	6060	321,96	1,15866						
9 16 70	3756	322,86	1,15866			320,39	95	0	0
9 17 70	3756	322,86	1,15880	0000-1000		320,53	96	320,54	40
9 18 70	3756	322,86	1,15894	0000-0730		319,54	69	320,55	30
9 19 70	3756	322,86	1,15908	1415-2400		320,59	96	319,13	39
9 20 70	3756	322,86	1,15923			320,15	96	0	0
9 21 70	3756	322,86	1,15937	0000-0900		319,45	94	318,90	36
9 22 70	3756	322,86	1,15951			319,42	96	0	0
9 23 70	3756	322,86	1,15965	0000-0800, 1415-2400		319,76	96	319,57	71
9 24 70	3756	322,86	1,15979	0000-1000		319,20	96	319,31	40
9 25 70	3756	322,86	1,15994			319,47	96	0	0
9 26 70	3756	322,86	1,16008			319,41	96	0	0
9 27 70	3756	322,86	1,16022	1715-2400		320,24	96	319,78	27
9 28 70	3756	322,86	1,16036	0215-1200		319,87	96	320,75	39
9 29 70	3756	322,86	1,16051	0000-0730		319,39	79	319,35	30
9 30 70	3756	322,86	1,16065			319,87	96	0	0
MONTHLY AVERAGES						319,74 (30 DAYS),	319,75 (21 DAYS)		
10 1 70	3756	322,86	1,16079			319,43	96	0	0
10 2 70	3756	322,86	1,16093	0000-0600		319,99	96	320,06	24
10 3 70	3756	322,86	1,16108	0000-0900		320,12	96	320,39	36
10 4 70	3756	322,86	1,16122	1445-2400		320,20	96	319,49	37
10 5 70	3756	322,86	1,16136	0000-0800, 1515-2400		318,96	74	318,93	67
10 6 70	3756	322,86	1,16150	0000-0830		319,89	96	320,10	34
10 7 70	3756	322,86	1,16165	0000-0730		319,67	96	320,01	30

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
10 8 70	3756	322,85	1.16179	0000-0630		319.91	96	319.93	26
10 9 70	3756	322,85	1.16193	0115-0800		320.02	96	320.15	27
10 10 70	3756	322,85	1.16207	0000-0800		319.91	96	320.42	32
10 11 70	3756	322,85	1.16222	0000-0900		319.78	96	320.03	36
10 12 70	3756	322,85	1.16236	0000-0700		320.13	94	320.27	28
10 13 70	3756	322,85	1.16250			320.46	96	0	0
10 14 70	3756	322,85	1.16265			320.45	96	0	0
10 15 70	3756	322,85	1.16279			320.45	96	0	0
10 16 70	3756	322,85	1.16293	1415-2400		320.03	80	318.90	39
10 17 70	3756	322,85	1.16307			320.13	96	0	0
10 18 70	3756	322,85	1.16322	0000-0930		320.09	96	319.72	38
10 19 70	3756	322,85	1.16336	0815-1600		319.75	95	319.40	30
10 20 70	3756	322,85	1.16350	1315-2400		320.87	96	320.06	23
10 21 70	3756	322,85	1.16365	0315-0930, 1415-2100		319.59	96	319.40	52
10 22 70	3756	322,85	1.16379	0000-1630		319.83	96	319.60	66
10 23 70	3756	322,85	1.16393	0000-0800					
10 23 70	4285	324,25	1.16393			319.67	70	319.65	32
10 24 70	4285	324,25	1.16408	0000-1000, 1915-2400		319.80	96	319.32	59
10 25 70	4285	324,25	1.16422	0000-1000, 1715-2400		319.99	96	319.67	67
10 26 70	4285	324,25	1.16436	0000-2400		319.67	94	319.67	94
10 27 70	4285	324,25	1.16451	0000-0700		319.87	96	319.94	28
10 28 70	4285	324,25	1.16465			320.09	96	0	0
10 29 70	4285	324,25	1.16479	0000-0900, 1815-2400		319.86	96	319.53	59
10 30 70	4285	324,25	1.16494	0000-0900		320.34	93	319.78	36
10 31 70	4285	324,25	1.16508	1515-2400		320.10	96	319.36	31
MONTHLY AVERAGES						319.97 (31 DAYS),	319.75 (25 DAYS)		
11 1 70	4285	324,25	1.16522	0000-0800		321.13	96	320.29	32

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	324, INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
11 2 70	4285	324,25	1.16537	1715-2400		320,39	80	319.74	27
11 3 70	4285	324,25	1.16551			321,18	96	0	0
11 4 70	4285	324,25	1.16565	0345-1000		320,53	96	320.53	25
11 5 70	4285	324,25	1.16580	1345-2400		320,14	96	319.47	41
11 6 70	4285	324,25	1.16594	0000-0800	1815-2400	320,07	96	319.78	55
11 7 70	4285	324,25	1.16608	0000-0700		320,51	95	320.27	28
11 8 70	4285	324,25	1.16623	0000-0800	1815-2400	320,32	96	320.36	55
11 9 70	4285	324,25	1.16637	0000-0800		320,19	72	320.65	32
11 10 70	4285	324,25	1.16652	0000-0830	1815-2400	321,00	96	320.57	57
11 11 70	4285	324,25	1.16666	0000-0730		320,82	96	320.16	30
11 12 70	4285	324,25	1.16680	0315-1100		320,68	96	320.67	31
11 13 70	4285	324,25	1.16695	0045-0730	1915-2400	320,41	93	320.33	46
11 14 70	4285	324,25	1.16709	0000-0730		320,73	96	320.41	29
11 15 70	4285	324,25	1.16724	1515-2300		321,01	96	319.85	27
11 16 70	4285	324,25	1.16738			320,80	77	0	0
11 17 70	4285	324,25	1.16752			320,59	96	0	0
11 18 70	4285	324,25	1.16767	0000-0800	1615-2400	321,03	96	320.78	63
11 19 70	4285	324,25	1.16781			328,14	96	0	0
11 20 70	4285	324,25	1.16796	0000-0900		321,18	75	320.76	36
11 21 70	4285	324,25	1.16810	1315-2400		320,83	76	320.52	23
11 22 70	4285	324,25	1.16824	0000-2400		320,68	96	320.68	96
11 23 70	4285	324,25	1.16839	0000-1445					
11 23 70	136	324,66	1.16839	1500-2400		320,73	70	320.73	70
11 24 70	136	324,66	1.16853	0000-2400		320,92	95	320.92	95
11 25 70	136	324,66	1.16868	0000-0930	1815-2400	321,67	96	320.91	61
11 26 70	136	324,66	1.16882	0000-0800	1615-2400	321,53	96	321.12	63
11 27 70	136	324,66	1.16897	0000-1000		320,83	95	321.34	40
11 28 70	136	324,66	1.16911	0115-0800		321,45	96	321.40	27
11 29 70	136	324,66	1.16926	0000-0800		321,25	96	321.31	32

TABLE 8, DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	
11 30 70	136	324.66	1.16940	0000-0730		320.53	78	321.01	30
MONTHLY AVERAGES					321.04 (30 DAYS),		320.56 (26 DAYS)		
12 1 70	136	324.66	1.16954	0000-0900, 1815-2400	321.39	96	321.27	59	
12 2 70	136	324.66	1.16969	0000-0930, 1415-2000	321.49	96	321.16	61	
12 3 70	136	324.66	1.16983	0000-0900	321.82	96	321.48	36	
12 4 70	136	324.66	1.16998	0000-0730	321.55	95	320.98	30	
12 5 70	136	324.66	1.17012	0045-0830	322.01	96	321.37	31	
12 6 70	136	324.66	1.17027	1715-2400	321.87	96	321.24	27	
12 7 70	136	324.66	1.17041	0000-1000, 1515-2400	321.15	82	321.07	75	
12 8 70	136	324.66	1.17056	0000-0830, 1615-2400	321.25	75	321.16	65	
12 9 70	136	324.66	1.17070	0000-2400	321.47	96	321.47	96	
12 10 70	136	324.66	1.17085	0000-0630, 1745-2400	321.51	96	321.33	51	
12 11 70	136	324.66	1.17099	0000-0800	321.76	77	321.44	32	
12 12 70	136	324.66	1.17114	0000-0930, 1715-2400	321.77	92	321.23	65	
12 13 70	136	324.66	1.17128	0000-0830, 1515-2400	321.49	96	321.43	69	
12 14 70	136	324.66	1.17143	0000-0800, 1615-2400	321.49	82	321.53	62	
12 15 70	136	324.66	1.17157	0000-2400	321.85	92	321.85	92	
12 16 70	136	324.66	1.17172	0000-1530, 1945-2400	322.25	95	322.25	78	
12 17 70	136	324.66	1.17186	0000-0930, 1715-2400	322.54	96	322.14	65	
12 18 70	136	324.66	1.17201	0000-0830, 1845-2400	321.85	82	321.59	55	
12 19 70	136	324.66	1.17215	0000-0800	322.04	96	321.29	32	
12 20 70	136	324.66	1.17230	0000-1100	321.76	96	321.65	44	
12 21 70	136	324.66	1.17244	0000-1345					
12 21 70	11076	319.90	1.17244	1400-1830	321.87	71	321.51	47	
12 22 70	11076	319.90	1.17259	1545-2400	322.54	94	321.69	33	
12 23 70	11076	319.90	1.17273	1715-2400	322.59	88	321.87	21	
12 24 70	11076	319.90	1.17288		322.47	44	0	0	

TABLE 8. DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TASK NO.	INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA		ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS
12 25 70	11076	319,90	1.17302	1315-2400		322.44	78	322.57	43
12 26 70	11076	319,90	1.17317			322.63	7	0	0
12 27 70	11076	319,90	1.17332			0	0	0	0
12 28 70	11076	319,90	1.17346			0	0	0	0
12 29 70	11076	319,90	1.17361	1645-2300		322.02	42	321.62	25
12 30 70	11076	319,90	1.17375	0000-0900		322.41	96	322.31	36
12 31 70	11076	319,90	1.17390	0000-0730		321.98	96	321.83	30

MONTHLY AVERAGES

321.91 (29 DAYS),

321.57 (27 DAYS)

TABLE 9a. The Monthly Manometric Concentration of Atmospheric Carbon Dioxide (ppm)
at Mauna Loa Observatory
Calculated From All Data

<u>Col. 1</u>	<u>2</u>		<u>3</u>		<u>4</u>		<u>5</u>	
<u>Month</u>	<u>No. of Days</u>	<u>Average Concentration</u>	<u>No. of Days</u>	<u>Average Concentration</u>	<u>No. of Days</u>	<u>Average Concentration</u>	<u>No. of Days</u>	<u>Average Concentration</u>
	<u>1964</u>		<u>1965</u>		<u>1966</u>		<u>1967</u>	
Jan.			31	316.31	31	317.17	15	318.19
Feb.			28	317.37	28	318.10	28	318.58
March			31	317.94	31	318.83	31	319.15
April			30	318.96	30	319.87	30	320.31
May			31	319.08	31	320.05	30	320.82
June	15	318.44	30	318.71	30	319.83	29	319.93
July	31	317.01	31	317.92	11	319.09	29	318.48
Aug.	27	314.78	31	315.65	29	316.28	30	316.73
Sept.	23	313.53	30	314.77	30	314.65	30	315.44
Oct.	28	313.98	31	314.42	31	314.23	31	315.30
Nov.	30	314.68	30	315.88	22	315.94	30	316.73
Dec.	31	315.52	29	316.00	31	317.18	31	317.97
Average of Monthly Values		(315.42)		316.92		317.60		318.14

TABLE 9a. The Monthly Manometric Concentration of Atmospheric Carbon Dioxide (ppm)

at Mauna Loa Observatory

Calculated From All Data

<u>Col. 1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Month	No. of Days Average Concentration	No. of Days Average Concentration	No. of Days Average Concentration
	<u>1968</u>	<u>1969</u>	<u>1970</u>
Jan.	31 318.54	30 320.11	31 321.32
Feb.	29 319.16	28 320.80	28 322.42
March	31 319.93	31 322.04	31 323.31
April	30 320.91	30 322.91	30 324.52
May	31 321.37	31 323.68	31 324.63
June	26 321.29	30 322.92	30 324.07
July	31 319.72	31 321.68	31 322.57
Aug.	30 317.54	31 319.49	31 320.90
Sept.	30 316.35	30 318.64	30 319.74
Oct.	31 316.26	31 318.27	31 319.97
Nov.	30 317.17	30 319.22	30 321.04
Dec.	31 318.84	31 320.45	29 321.91
Average of Monthly Values	318.92	320.85	322.20

TABLE 9b. The Monthly Average Manometric Concentration of Atmospheric Carbon Dioxide (ppm)
at Mauna Loa Observatory
Calculated From Steady Data

<u>Col. 1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>				
Month	No. of Days	Average Concentration	No. of Days	Average Concentration	No. of Days	Average Concentration	No. of Days	Average Concentration
	<u>1964</u>		<u>1965</u>		<u>1966</u>		<u>1967</u>	
Jan.			26	316.25	31	316.84	11	318.13
Feb.			27	317.32	27	317.82	20	318.54
March			29	317.80	23	318.69	20	318.99
April			25	318.92	23	319.83	20	320.45
May			28	318.96	29	320.08	18	320.89
June	9	318.86	29	318.80	29	319.81	23	319.91
July	20	317.20	23	318.15	9	318.90	25	318.67
Aug.	14	315.23	24	315.80	18	316.31	24	317.09
Sept.	14	313.90	25	314.68	21	314.52	27	315.46
Oct.	23	313.78	30	314.39	23	314.17	30	315.36
Nov.	28	314.58	30	315.81	16	315.95	30	316.75
Dec.	29	315.50	27	315.92	23	317.07	31	318.06
Average of Monthly Values		(315.58)		316.90		317.50		318.19

TABLE 9b. The Monthly Average Manometric Concentration of Atmospheric Carbon Dioxide (ppm)
at Mauna Loa Observatory
Calculated From Steady Data

<u>Col. 1</u>	<u>2</u>	<u>3</u>	<u>4</u>			
<u>Month</u>	<u>No. of Days</u>	<u>Average Concentration</u>	<u>No. of Days</u>	<u>Average Concentration</u>	<u>No. of Days</u>	<u>Average Concentration</u>
	<u>1968</u>		<u>1969</u>		<u>1970</u>	
Jan.	30	318.60	29	320.08	31	321.16
Feb.	28	319.16	22	320.85	27	322.03
March	26	319.91	30	321.90	31	323.03
April	25	320.89	28	322.82	30	324.20
May	28	321.46	28	323.45	27	324.09
June	22	321.40	24	322.76	28	323.90
July	30	320.00	26	321.89	28	322.61
Aug.	21	317.98	27	319.61	20	321.14
Sept.	30	316.57	25	318.56	21	319.75
Oct.	28	316.27	31	318.03	25	319.75
Nov.	28	317.17	30	318.94	26	320.56
Dec.	25	318.65	31	320.35	27	321.57
Average of Monthly Values		319.00		320.77		321.98

TABLE 10a. Twelve Month Running Mean Concentration of Atmospheric Carbon Dioxide
at Mauna Loa Observatory

Calculated From All Available Data

col. 1	2	3	4	5	6	7	8
Month	Concentration of CO ₂ (ppm)						
	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>
Jan.		316.56	317.47	317.81	318.59	320.02	321.58
Feb.		316.64	317.52	317.85	318.66	320.19	321.69
March		316.74	317.51	317.92	318.73	320.38	321.78
April		316.78	317.50	318.00	318.81	320.55	321.93
May		316.88	317.50	318.07	318.85	320.72	321.08
June		316.92	317.60	318.14	318.92	320.85	322.20
July		316.99	317.69	318.16	319.05	320.95	
Aug.		317.05	317.73	318.21	319.19	321.09	
Sept.		317.12	317.75	318.28	319.37	321.19	
Oct.		317.20	317.79	318.33	319.53	321.33	
Nov.	316.47	317.28	317.85	318.37	319.73	321.41	
Dec.	316.49	317.37	317.86	318.49	319.86	321.50	

TABLE 10b. Twelve Month Running-Mean Concentration of Atmospheric Carbon Dioxide
at Mauna Loa Observatory
Calculated From Steady Data

Col. 1	2	3	4	5	6	7	8
Month	Concentration of CO ₂ (ppm)						
	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>
Jan.		316.60	317.38	317.80	318.68	320.04	321.38
Feb.		316.65	317.42	317.86	318.75	320.17	321.50
March		316.71	317.41	317.94	318.84	320.34	321.60
April		316.76	317.39	318.04	318.92	320.48	321.75
May		316.87	317.40	318.11	318.96	320.63	321.88
June		316.90	317.50	318.19	319.00	320.77	321.98
July		316.94	317.61	318.23	319.13	320.86	
Aug.		316.99	317.67	318.28	319.27	320.96	
Sept.		317.06	317.69	318.36	319.44	321.05	
Oct.		317.14	317.74	318.40	319.60	321.17	
Nov.	316.53	317.23	317.81	318.44	319.76	321.22	
Dec.	316.52	317.32	317.82	318.57	319.88	321.32	

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK							MANOMETRIC		DATA SHEET		
NO.	VOL.	LOCAL STD. TIME	POSITION	OBSR	INDEX (PPM)	CONC. (PPM)	AV. CONC. (PPM)	CONC.	NO.	FIELD ANAL.	R
1960											
109	5	3/30/ -0	19.5N 155.6W	DK	315,24	-				115	3
109	5	3/30/ -0	19.5N 155.6W	DK	315,09	315.96				115	3
110	5	3/30/ -0	19.5N 155.6W	DK	315,09	-				115	3
110	5	3/30/ -0	19.5N 155.6W	DK	315,09	315.87				115	3
111	5	3/30/ -0	19.5N 155.6W	JP	315,70	-				115	3
111	5	3/30/ -0	19.5N 155.6W	JP	315,85	316.71	316.2			115	3
112	5	3/31/1600	19.5N 155.6W	JP	315,62	-				115	3
112	5	3/31/1600	19.5N 155.6W	JP	315,24	316.29				115	3
113	5	3/31/1600	19.5N 155.6W	JP	315,01	-				115	3
113	5	3/31/1600	19.5N 155.6W	JP	315,09	315.82				115	3
114	5	3/31/1600	19.5N 155.6W	JP	315,55	-				115	3
114	5	3/31/1600	19.5N 155.6W	JP	315,70	316.52	316.2			115	3
193	5	4/23/1030	19.5N 155.6W	JP	315,20	-				134	3
193	5	4/23/1030	19.5N 155.6W	JP	316,19	316.01				134	3
194	5	4/23/1030	19.5N 155.6W	JP	316,09	-				134	3
194	5	4/23/1030	19.5N 155.6W	JP	315,60	316.79				134	3
195	5	4/23/1030	19.5N 155.6W	JP	315,60	-				134	3
195	5	4/23/1030	19.5N 155.6W	JP	315,60	316.49	316.4			134	3
196	5	4/24/ 800	19.5N 155.6W	JP	315,99	-				134	3
196	5	4/24/ 800	19.5N 155.6W	JP	316,19	317.09				134	3
197	5	4/24/ 800	19.5N 155.6W	JP	315,99	-				134	3
197	5	4/24/ 800	19.5N 155.6W	JP	315,80	316.85				134	3
198	5	4/24/ 800	19.5N 155.6W	JP	316,09	-				134	3
198	5	4/24/ 800	19.5N 155.6W	JP	316,19	317.15	317.0			134	3
199	5	7/ 3/1520	19.5N 155.6W	CK	314,40	315.03			1	141	3
200	5	7/ 3/1520	19.5N 155.6W	HA	319,25	320.94	315.0		1	141	3
201	5	7/17/1700	19.5N 155.6W	HA	312,91	313.22			2	141	3

TTC

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA. CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK NO.	VOL.	LOCAL STD. TIME	POSITION		OBSR INDEX	(PPM)	MANOMETRIC CONC. (PPM)	AV. CONC. (PPM)	DATA SHEET NO.	FIELD ANAL.	R
1960											
203	5	8/ 1/1505	19.5N	155.6W	CK	312,22	312.38		3	141	3
204	5	8/ 1/1505	19.5N	155.6W	HA	319,75	321.55	312.4	3	141	3
187	5	8/18/1000	19.5N	155.6W	CK	312,90	-		4	157	3
187	5	8/18/1000	19.5N	155.6W	CK	313,33	313.47		4	158	3
188	5	8/18/1000	19.5N	155.6W	CK	312,98	-		4	157	3
188	5	8/18/1000	19.5N	155.6W	CK	313,42	313.57	313.5	4	158	3
191	5	10/ 6/1445	19.5N	155.6W	JP	310,47	-		5	159	3
191	5	10/ 6/1445	19.5N	155.6W	JP	310,72	310.39		5	159	3
192	5	10/ 6/1450	19.5N	155.6W	BL	310,39	-		5	159	3
192	5	10/ 6/1450	19.5N	155.6W	BL	310,72	310.35	310.4	5	159	3
145	5	11/ 4/1345	19.5N	155.6W	CK	315,01	315.78		6	179	4
146	5	11/ 4/1345	19.5N	155.6W	CK	363,40	374.74	315.8	6	179	4
147	5	11/25/1310	19.5N	155.6W	CK	370,47	383.36	-	7	179	4
149	5	12/ 1/1050	19.5N	155.6W	JP	313,22	313.59		8	179	4
150	5	12/ 1/1050	19.5N	155.6W	CK	313,22	313.59	313.6	8	179	4
153	5	12/20/1545	19.5N	155.6W	HA	314,48	315.13		9	177	4
154	5	12/20/1545	19.5N	155.6W	HA	315,02	315.79	315.5	9	177	4
1961											
169	5	1/ 4/1250	19.5N	155.6W	BL	313,58	314.03		10	179	4
170	5	1/ 4/1250	19.5N	155.6W	BL	313,58	314.03	314.0	10	179	4
173	5	1/17/1400	19.5N	155.6W	HA	314,47	315.12		11	179	4
174	5	1/17/1400	19.5N	155.6W	HA	314,47	315.12	315.1	11	179	4
177	5	2/ 2/1350	19.5N	155.6W	CK	314,52	315.18		12	183	4
178	5	2/ 2/1350	19.5N	155.6W	FC	314,06	314.62	314.9	12	183	4
181	5	2/17/1115	19.5N	155.6W	CK	315,26	316.08		13	186	4
182	5	2/17/1115	19.5N	155.6W	RJ	314,80	315.52	315.8	13	186	4
183	5	3/ 1/1523	19.5N	155.6W		314.43	315.07				

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA, CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK		LOCAL	POSITION		OBSR	INDEX	MANOMETRIC		DATA SHEET		
NO.	VOL.	STD. TIME				(PPM)	CONC. (PPM)	AV. CONC. (PPM)	NO.	FIELD ANAL.	R
1961											
185	5	3/15/1520	19.5N	155.6W	CK	314.25	314.85	314.8	14	186	4
189	5	4/ 4/1110	19.5N	155.6W	CK	317.29	318.55		15	186	4
190	5	4/ 4/1110	19.5N	155.6W	CK	316.19	317.21	317.2	15	186	4
191	5	4/15/1010	19.5N	155.6W		315.82	316.76			186	4
192	5	4/15/1010	19.5N	155.6W		317.94	319.35	316.8		186	4
I-1	5	5/15/1447	19.5N	155.6W	CK	335.31	340.51		16	200	4
I-2	5	5/15/1447.	19.5N	155.6W	CK	316.00	316.98	317.0	16	200	4
I-7	5	6/ 1/1420	19.5N	155.6W	HA	315.16	315.96		17	206	4
I-8	5	6/ 1/1420	19.5N	155.6W	HA	315.16	315.96	316.0	17	206	4
I-12	5	6/15/1353	19.5N	155.6W	HA	315.63	316.53		18	200	4
I-13	5	6/15/1353	19.5N	155.6W	HE	315.63	316.53	316.5	18	200	4
I-14	5	7/ 1/1402	19.5N	155.6W	RJ	315.63	316.53		19	200	4
I-15	5	7/ 1/1402	19.5N	155.6W	RJ	315.82	316.76	316.6	19	200	4
I-16	5	7/15/1248	19.5N	155.6W	HA	315.45	316.31		20	200	4
I-23	5	7/15/1248	19.5N	155.6W	BL	315.45	316.31	316.3	20	200	4
I-24	5	8/ 1/1515	19.5N	155.6W	BL	313.21	313.58		21	222	5
I-25	5	8/ 1/1515	19.5N	155.6W	HE	313.31	313.70	313.6	21	222	5
I-26	5	8/15/1440	19.5N	155.6W	BL	315.22	316.03		22	222	5
I-27	5	8/15/1440	19.5N	155.6W	HE	312.85	313.14	313.1	22	222	5
I-28	5	9/ 1/1130	19.5N	155.6W	HA	313.12	313.47		23	222	5
I-41	5	9/ 1/1130	19.5N	155.6W	FC	313.31	313.70	313.6	23	222	5
I-42	5	9/16/1005	19.5N	155.6W	HA	312.30	312.47		24	220	5
I-43	5	9/16/1005	19.5N	155.6W	HE	312.39	312.58	312.5	24	220	5
I-44	5	10/ 2/1200	19.5N	155.6W	CK	312.30	312.47		25	220	5
I-45	5	10/ 2/1200	19.5N	155.6W	FC	312.30	312.47	312.5	25	220	5
I-46	5	10/15/1050	19.5N	155.6W	HA	311.48	311.47		26	221	5
I-68	5	10/15/1050	19.5N	155.6W	RJ	311.43	311.41	311.4	26	224	5
I-69	5	11/ 3/1050	19.5N	155.6W	RI	312.85	312.14		27	224	5

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA, CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK NO.	VOL.	LOCAL STD. TIME	POSITION	OBSR	INDEX (PPM)	MANOMETRIC CONC. (PPM)	AV. CONC. (PPM)	DATA SHEET NO.	FIELD ANAL.	R	
1961											
I-71	5	11/15/1425	19.5N	155.6W	CK	312.85	313.14		28	224	5
I-72	5	11/15/1425	19.5N	155.6W	HE	312.85	313.14	313.1	28	224	5
I-61	5	12/ 5/1455	19.5N	155.6W	CK	314.45	315.09		29	224	5
I-62	5	12/ 5/1455	19.5N	155.6W	CK	314.17	314.75	314.9	29	224	5
I-63	5	12/15/1435	19.5N	155.6W	CK	317.00	318.20		30	224	5
I-64	5	12/15/1435	19.5N	155.6W	CK	317.00	318.20	318.2	30	224	5
1962											
I-65	5	1/ 1/1147	19.5N	155.6W	HE	313.98	314.52		31	224	5
I-66	5	1/ 1/1147	19.5N	155.6W	RJ	314.17	314.75	314.6	31	224	5
I-145	5	1/15/1422	19.5N	155.6W	FC	313.04	313.37		32	249	5
I-146	5	1/15/1422	19.5N	155.6W	FC	313.32	313.72	313.5	32	249	5
I-147	5	2/ 1/1215	19.5N	155.6W	FC	315.10	315.88		33	249	5
I-148	5	2/ 1/1215	19.5N	155.6W	FC	315.66	316.57	316.2	33	249	5
I-149	5	2/15/1415	19.5N	155.6W	CK	314.81	315.53		34	250	5
I-150	5	2/15/1415	19.5N	155.6W	HA	314.81	315.53	315.5	34	250	5
I-151	5	3/ 1/1235	19.5N	155.6W	HE	315.75	316.68		35	250	5
I-152	5	3/ 1/1235	19.5N	155.6W	RJ	315.75	316.68	316.7	35	250	5
I-153	5	3/15/1435	19.5N	155.6W	CK	316.03	317.02		36	250	5
I-154	5	3/15/1435	19.5N	155.6W	CK	316.31	317.36	317.2	36	250	5
I-155	5	4/ 1/1520	19.5N	155.6W	FC	317.34	318.61		37	250	5
I-156	5	4/ 1/1520	19.5N	155.6W	CK	316.12	317.13	317.1	37	250	5
I-25	5	4/15/1525	19.5N	155.6W	FC	316.36	317.42		38	258	5
I-26	5	4/16/1525	19.5N	155.6W	HE	316.46	317.54	317.5	38	258	5
I-27	5	5/ 1/1050	19.5N	155.6W	CK	317.13	318.36		39	258	5
I-28	5	5/ 1/1050	19.5N	155.6W	CK	317.13	318.36	318.4	39	258	5
I-29	5	5/15/1405	19.5N	155.6W	HE	317.51	318.82		40	258	5
I-30	5	5/15/1405	19.5N	155.6W	CK	317.51	318.82	318.8	40	258	5

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA. CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK			POSITION	OBSR	INDEX (PPM)	MANOMETRIC		DATA SHEET			
NO.	VOL.	LOCAL STD. TIME				CONC. (PPM)	AV. CONC. (PPM)	NO.	FIELD ANAL.	R	
1962											
I-31	5	6/ 1/1835	19.5N 155.6W	CK	316.84	318.01			41	257	5
I-32	5	6/ 1/1835	19.5N 155.6W	CK	316.74	317.88	317.9		41	257	5
I-33	5	6/15/1420	19.5N 155.6W	CK	315.79	316.73			42	258	5
I-34	5	6/15/1420	19.5N 155.6W	CK	315.98	316.96	316.8		42	258	5
I-35	5	7/ 1/1615	19.5N 155.6W	CK	315.21	316.02			43	258	5
I-36	5	7/ 1/1615	19.5N 155.6W	CK	315.31	316.14	316.1		43	258	5
I-61	5	7/15/1105	19.5N 155.6W	HE	314.48	315.13			44	264	5
I-62	5	7/15/1105	19.5N 155.6W	HA	314.17	314.75	314.9		44	264	5
I-63	5	8/ 1/1131	19.5N 155.6W	MK	315.92	316.88			45	263	5
I-64	5	8/ 1/1131	19.5N 155.6W	HE	315.92	316.88	316.9		45	263	5
I-65	5	8/15/1503	19.5N 155.6W	HA	313.65	314.12			46	264	5
I-66	5	8/15/1503	19.5N 155.6W	HA	313.86	314.37	314.2		46	264	5
I-169	5	9/15/1150	19.5N 155.6W	HA	312.45	312.66			47	284	6
I-170	5	9/15/1150	19.5N 155.6W	HA	312.45	312.66	312.7		47	284	6
I-171	5	10/ 3/1410	19.5N 155.6W	CK	311.72	311.77			48	286	6
I-172	5	10/ 3/1410	19.5N 155.6W	CK	311.63	311.66	311.7		48	286	6
I-173	5	11/ 2/1100	19.5N 155.6W	CK	313.02	313.35				286	6
I-174	5	11/ 2/1100	19.5N 155.6W	CK	313.02	313.35	313.4			286	6
I-175	5	11/16/ 955	19.5N 155.6W	HE	313.98	314.52			49	280	6
I-176	5	11/16/ 955	19.5N 155.6W	HE	313.87	314.39	314.5		49	280	6
I-177	5	12/ 2/2155	19.5N 155.6W	HE	314.22	314.81			50	286	6
I-178	5	12/ 2/2155	19.5N 155.6W	HE	314.22	314.81	314.8		50	286	6
I-179	5	12/15/2213	19.5N 155.6W	HE	315.03	315.80			51	280	6
I-180	5	12/15/2213	19.5N 155.6W	HE	315.03	315.80	315.8		51	280	6
1963											
I-25	5	1/ 2/2230	19.5N 155.6W	HA	318.73	320.31			52	299	6
I-26	5	1/ 2/2230	19.5N 155.6W	HE	310.15	320.82	320.4		52	299	6

TABLE 11, CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA, CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK		LOCAL	POSITION		OBSR	INDEX	MANOMETRIC		DATA SHEET		
NO.	VOL.	STD.				(PPM)	CONC.	AV. CONC.	NO.	FIELD	ANAL.
		TIME					(PPM)	(PPM)	NO.		R
1963											
I-27	5	1/15/2200	19.5N	155.6W	CK	315.49	316.36		53	299	6
I-28	5	1/15/2200	19.5N	155.6W	CK	315.91	316.87	316.6	53	299	6
I-29	5	2/ 1/2228	19.5N	155.6W	HA	316.23	317.26		54	299	6
I-30	5	2/ 1/2228	19.5N	155.6W	MK	320.05	321.92	317.3	54	299	6
I-31	5	2/15/2240	19.5N	155.6W	HA	316.66	317.79		55	300	6
I-32	5	2/15/2240	19.5N	155.6W	MK	316.66	317.79	317.8	55	300	6
I-33	5	3/ 1/2200	19.5N	155.6W	HA	316.66	317.79		56	300	6
I-34	5	3/ 1/2200	19.5N	155.6W	HA	316.66	317.79	317.8	56	300	6
I-35	5	3/17/2245	19.5N	155.6W	CK	317.19	318.43		57	300	6
I-36	5	3/17/2245	19.5N	155.6W	CK	316.87	318.04	318.2	57	300	6
I-37	5	4/ 3/ 45	19.5N	155.6W	HE	317.41	318.70		58	303	6
I-38	5	4/ 3/ 45	19.5N	155.6W	MK	317.63	318.97	318.8	58	303	6
I-39	5	4/20/2100	19.5N	155.6W	HA	319.50	321.25		59	303	6
I-41	5	4/20/2100	19.5N	155.6W	HA	319.28	320.98	321.1	59	303	6
I-193	5	5/ 1/2200	19.5N	155.6W	CK	318.99	320.63			334	8
I-194	5	5/ 1/2200	19.5N	155.6W	CK	318.90	320.52	320.6		334	8
I-195	5	6/ 2/2200	19.5N	155.6W	HA	318.44	319.95			334	8
I-196	5	6/ 2/2200	19.5N	155.6W	HA	318.16	319.61	319.8		334	8
I-197	5	6/15/2245	19.5N	155.6W	MK	317.79	319.16			334	8
I-198	5	6/15/2245	19.5N	155.6W	MK	317.52	318.83	319.0		334	8
I-199	5	7/ 5/ 715	19.5N	155.6W	MK	318.16	319.61			334	8
I-200	5	7/ 5/ 715	19.5N	155.6W	MK	317.79	319.16	319.4		334	8
I-201	5	7/16/2205	19.5N	155.6W	HA	317.61	318.94			334	8
I-202	5	7/16/2205	19.5N	155.6W	HA	316.96	318.15	318.5		334	8
I-43	5	8/ 2/2300	19.5N	155.6W	HE	317.05	318.26			334	8
I-204	5	8/ 2/2300	19.5N	155.6W	HE	316.69	317.82	318.0		334	8
I-45	5	8/15/2235	19.5N	155.6W	CK	314.29	314.90			334	8
I-46	5	8/15/2235	19.5N	155.6W	CK	314.29	314.90			334	8

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA. CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK		LOCAL	POSITION		OBSR	INDEX	MANOMETRIC		DATA SHEET		
NO.	VOL,	STD, TIME				(PPM)	CONC.	AV. CONC.	NO.		
							(PPM)	(PPM)	FIELD	ANAL.	R
1963											
I-47	5	9/ 4/2200	19.5N	155.6W	HE	314.11	314.68			335	8
I-48	5	9/ 4/2200	19.5N	155.6W	HE	313.92	314.45	314.6		335	8
I-37	5	9/17/ 800	19.5N	155.6W	HE	313.46	313.89			335	8
I-38	5	9/17/ 800	19.5N	155.6W	HE	313.37	313.78	313.8		335	8
I-40	5	10/ 1/2200	19.5N	155.6W	CK	313.64	314.11	314.1		335	8
I-41	5	10/17/2300	19.5N	155.6W	HE	313.55	314.00			335	8
I-42	5	10/17/2300	19.5N	155.6W	HE	313.55	314.00	314.0		335	8
I-25	5	12/17/2150	19.5N	155.6W	CK	316.65	317.77			346	8
I-26	5	12/17/2150	19.5N	155.6W	CK	316.46	317.54	317.7		346	8
1964											
I-27	5	1/15/1900	19.5N	155.6W	CK	316.85	318.02			347	8
I-28	5	1/15/1900	19.5N	155.6W	CK	316.75	317.90	318.0		347	8
I-29	5	6/30/2018	19.5N	155.6W	FC	320.70	-			348	8
I-29	5	6/30/2018	19.5N	155.6W	FC	320.41	322.53			348	8
I-30	5	6/30/2018	19.5N	155.6W	FC	318.04	-			348	8
I-30	5	6/30/2018	19.5N	155.6W	FC	318.04	319.47	319.5		348	8
I-31	5	7/13/1910	19.5N	155.6W	FC	318.04	319.47	319.5		348	8
I-33	5	7/31/2258	19.5N	155.6W	RO	316.07	317.07			348	8
I-34	5	7/31/2258	19.5N	155.6W	RO	316.37	317.43	317.2		348	8
I-35	5	8/18/ 553	19.5N	155.6W	FC	315.48	316.35			348	8
I-36	5	8/18/ 553	19.5N	155.6W	FC	315.87	316.82	316.6		348	8
I-157	5	8/31/2057	19.5N	155.6W	FC	315.51	-			372	9
I-157	5	8/31/2057	19.5N	155.6W	FC	315.60	316.44			372	9
I-158	5	8/31/2057	19.5N	155.6W	FC	315.41	-			372	9
I-158	5	8/31/2057	19.5N	155.6W	FC	315.51	316.32	316.4		372	9
I-159	5	9/14/2350	19.5N	155.6W	FC	314.23	-			372	9
I-159	5	9/14/2350	19.5N	155.6W	FC	314.33	314.89			372	0

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK							MANOMETRIC		DATA SHEET		
NO.	VOL.	LOCAL STD. TIME	POSITION	OBSR	INDEX (PPM)	CONC. (PPM)	AV. CONC. (PPM)	CONC.	NO.	FIELD ANAL.	R
1964											
I-161	5	10/ 2/2248	19.5N 155.6W	RO	314.03	-			372	9	
I-161	5	10/ 2/2248	19.5N 155.6W	RO	314.03	314.58			372	9	
I-162	5	10/ 2/2248	19.5N 155.6W	RO	313.83	-			372	9	
I-162	5	10/ 2/2248	19.5N 155.6W	RO	314.03	314.46	314.5		372	9	
I-163	5	10/14/1013	19.5N 155.6W	FC	319.24	-			373	9	
I-163	5	10/14/1013	19.5N 155.6W	FC	319.14	320.87			373	9	
I-164	5	10/14/1013	19.5N 155.6W	FC	316.29	-			373	9	
I-164	5	10/14/1013	19.5N 155.6W	FC	316.00	317.16	317.2		373	9	
I-165	5	10/31/2130	19.5N 155.6W	RO	315.33	-			374	9	
I-165	5	10/31/2130	19.5N 155.6W	RO	315.23	316.10			374	9	
I-166	5	10/31/2130	19.5N 155.6W	RO	315.23	-			374	9	
I-166	5	10/31/2130	19.5N 155.6W	RO	315.04	315.93	316.0		374	9	
I-167	5	11/14/2145	19.5N 155.6W	RO	315.83	-			374	9	
I-167	5	11/14/2145	19.5N 155.6W	RO	315.83	316.77			374	9	
I-168	5	11/14/2145	19.5N 155.6W	RO	315.23	-			374	9	
I-168	5	11/14/2145	19.5N 155.6W	RO	315.23	316.04	316.4		374	9	
I-73	5	11/30/2330	19.5N 155.6W	FC	315.04	-			374	9	
I-73	5	11/30/2330	19.5N 155.6W	FC	314.94	315.75			374	9	
I-74	5	11/30/2330	19.5N 155.6W	FC	315.04	-			374	9	
I-74	5	11/30/2330	19.5N 155.6W	FC	314.74	315.63	315.7		374	9	
I-76	5	12/17/ 637	19.5N 155.6W	FC	316.03	-			375	9	
I-76	5	12/17/ 637	19.5N 155.6W	FC	315.83	316.90	316.9		375	9	
I-77	5	12/31/ 913	19.5N 155.6W	FC	316.03	-			375	9	
I-77	5	12/31/ 913	19.5N 155.6W	FC	315.83	316.90			375	9	
I-78	5	12/31/ 913	19.5N 155.6W	FC	315.73	-			375	9	
I-78	5	12/31/ 913	19.5N 155.6W	FC	315.73	316.65	316.8		375	9	

1965

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA. CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK							MANOMETRIC		DATA SHEET		
NO.	VOL.	LOCAL STD. TIME	POSITION		OBSR	INDEX (PPM)	CONC. (PPM)	AV. CONC. (PPM)	NO.		
									FIELD	ANAL.	R
1965											
I-81	5	1/29/ 955	19.5N	155.6W	FC	319.04	-			376	9
I-81	5	1/29/ 955	19.5N	155.6W	FC	318.94	320.63			376	9
I-82	5	1/29/ 955	19.5N	155.6W	FC	316.09	-			376	9
I-82	5	1/29/ 955	19.5N	155.6W	FC	316.19	317.15	317.2		376	9
I-83	5	2/16/ 810	19.5N	155.6W	FC	317.57	-			376	9
I-83	5	2/16/ 810	19.5N	155.6W	FC	317.57	318.89			376	9
I-84	5	2/16/ 810	19.5N	155.6W	FC	322.38	-			376	9
I-84	5	2/16/ 810	19.5N	155.6W	FC	322.28	324.70	318.9		376	9
I-217	5	3/ 4/ 704	19.5N	155.6W	FC	316.88	-			377	9
I-217	5	3/ 4/ 704	19.5N	155.6W	FC	316.78	317.99			377	9
I-218	5	3/ 4/ 704	19.5N	155.6W	FC	317.08	-			377	9
I-218	5	3/ 4/ 704	19.5N	155.6W	FC	317.18	318.36	318.2		377	9
I-219	5	3/17/ 544	19.5N	155.6W	FC	317.57	-			377	9
I-219	5	3/17/ 544	19.5N	155.6W	FC	317.18	318.66			377	9
I-220	5	3/17/ 544	19.5N	155.6W	FC	317.18	-			377	9
I-220	5	3/17/ 544	19.5N	155.6W	FC	317.08	318.36	318.5		377	9
I-221	5	3/31/ 907	19.5N	155.6W	FC	317.57	-			377	9
I-221	5	3/31/ 907	19.5N	155.6W	FC	317.57	318.89			377	9
I-223	5	3/31/ 907	19.5N	155.6W	FC	317.96	-			377	9
I-223	5	3/31/ 907	19.5N	155.6W	FC	317.86	319.31	319.1		377	9
I-222	5	4/15/ 917	19.5N	155.6W	FC	318.36	-			388	9
I-222	5	4/15/ 917	19.5N	155.6W	FC	318.46	319.92			388	9
I-224	5	4/15/ 917	19.5N	155.6W	FC	318.15	-			388	9
I-224	5	4/15/ 917	19.5N	155.6W	FC	318.36	319.73	319.8		388	9
I-225	5	4/30/ 525	19.5N	155.6W	FC	319.27	-			388	9
I-225	5	4/30/ 525	19.5N	155.6W	FC	319.17	320.91			388	9
I-226	5	4/30/ 525	19.5N	155.6W	FC	318.56	-			388	9

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY
 MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK		LOCAL	POSITION	OBSR	INDEX	MANOMETRIC	MANOMETRIC	DATA SHEET			
NO.	VOL.	STD.	TIME		(PPM)	CONC.	AV. CONC.	NO.			
						(PPM)	(PPM)	FIELD	ANAL.	R	
1965											
I-227	5	5/14/	625	19.5N	155.6W	FC	319.98	-		389	9
I-227	5	5/14/	625	19.5N	155.6W	FC	320.59	322.20		389	9
I-228	5	5/14/	625	19.5N	155.6W	FC	318.56	-		389	9
I-228	5	5/14/	625	19.5N	155.6W	FC	318.46	320.04	320.0	389	9
I-181	5	5/30/	720	19.5N	155.6W	CC	318.99	-		390	9
I-181	5	5/30/	720	19.5N	155.6W	CC	318.89	320.56		390	9
I-182	5	5/30/	720	19.5N	155.6W	CC	318.79	-		390	9
I-182	5	5/30/	720	19.5N	155.6W	CC	319.09	320.56	320.6	390	9
I-183	5	6/17/	2200	19.5N	155.6W	CC	318.38	-		390	9
I-183	5	6/17/	2200	19.5N	155.6W	CC	318.18	319.76		390	9
I-184	5	6/17/	2200	19.5N	155.6W	CC	318.58	-		390	9
I-184	5	6/17/	2200	19.5N	155.6W	CC	318.58	320.13	319.9	390	9
I-185	5	6/30/	800	19.5N	155.6W	CC	368.11	-		390	9
I-185	5	6/30/	800	19.5N	155.6W	CC	368.21	380.54		390	9
I-186	5	6/30/	800	19.5N	155.6W	CC	317.97	-		390	9
I-186	5	6/30/	800	19.5N	155.6W	CC	317.97	319.38	319.4	390	9
I-187	5	7/16/	1445	19.5N	155.6W	CC	315.63	-		391	9
I-187	5	7/16/	1445	19.5N	155.6W	CC	315.73	316.59		391	9
I-188	5	7/16/	1445	19.5N	155.6W	CC	315.53	-		391	9
I-188	5	7/16/	1445	19.5N	155.6W	CC	315.43	316.35	316.5	391	9
I-190	5	8/ 1/	605	19.5N	155.6W	FC	316.96	-		391	9
I-190	5	8/ 1/	605	19.5N	155.6W	FC	317.26	318.33		391	9
I-191	5	8/ 1/	605	19.5N	155.6W	FC	316.65	-		391	9
I-191	5	8/ 1/	605	19.5N	155.6W	FC	316.75	317.83	318.1	391	9
I-189	5	8/14/	520	19.5N	155.6W	CC	314.72	-		391	9
I-189	5	8/14/	520	19.5N	155.6W	CC	314.62	315.36		391	9
I-192	5	8/14/	520	19.5N	155.6W	CC	315.02	-		391	9
I-192	5	8/14/	520	19.5N	155.6W	CC	315.02	315.79	315.6	391	9

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TABLE 11, CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA, CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK			POSITION				MANOMETRIC		DATA SHEET		
NO.	VOL.	LOCAL STD. TIME			OBSR	INDEX (PPM)	CONC. (PPM)	AV. CONC. (PPM)	NO. FIELD ANAL.		R
1965											
I-97	5	8/30/ 608	19.5N	155.6W	FC	320.05	-			394	10
I-97	5	8/30/ 608	19.5N	155.6W	FC	319.96	321.86			394	10
I-98	5	8/30/ 608	19.5N	155.6W	FC	320.40	-			394	10
I-98	5	8/30/ 608	19.5N	155.6W	FC	319.96	322.08	322.0		394	10
I-99	5	9/14/ 555	19.5N	155.6W	FC	314.89	-			394	10
I-99	5	9/14/ 555	19.5N	155.6W	FC	314.80	315.57			394	10
I-100	5	9/14/ 555	19.5N	155.6W	FC	314.89	-			394	10
I-100	5	9/14/ 555	19.5N	155.6W	FC	315.43	315.96	315.8		394	10
I-101	5	10/ 3/ 610	19.5N	155.6W	FC	317.20	-			394	10
I-101	5	10/ 3/ 610	19.5N	155.6W	FC	317.38	318.55			394	10
I-102	5	10/ 3/ 610	19.5N	155.6W	FC	318.27	-			394	10
I-102	5	10/ 3/ 610	19.5N	155.6W	FC	318.00	319.58	318.6		394	10
I-25	5	10/16/ 600	19.5N	155.6W	FC	314.18	-			395	10
I-25	5	10/16/ 600	19.5N	155.6W	FC	314.00	314.65			395	10
I-26	5	10/16/ 600	19.5N	155.6W	FC	316.40	-			395	10
I-26	5	10/16/ 600	19.5N	155.6W	FC	316.40	317.47	314.7		395	10
I-27	5	10/30/ 610	19.5N	155.6W	FC	313.59	-			396	10
I-27	5	10/30/ 610	19.5N	155.6W	FC	313.41	313.94			396	10
I-28	5	10/30/ 610	19.5N	155.6W	FC	314.04	-			396	10
I-28	5	10/30/ 610	19.5N	155.6W	FC	313.86	314.48	314.2		396	10
I-29	5	11/15/ 643	19.5N	155.6W	FC	321.81	-			396	10
I-29	5	11/15/ 643	19.5N	155.6W	FC	321.54	323.90			396	10
I-30	5	11/15/ 643	19.5N	155.6W	FC	316.21	-			396	10
I-30	5	11/15/ 643	19.5N	155.6W	FC	316.57	317.46	317.5		396	10
I-31	5	12/ 2/ 420	19.5N	155.6W	CC	315.95	-			415	10
I-31	5	12/ 2/ 420	19.5N	155.6W	CC	315.86	316.87			415	10
I-32	5	12/ 2/ 420	19.5N	155.6W	CC	315.30	-			415	10

TABLE 11, CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA, CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK		LOCAL STD. TIME	POSITION	OBSR	INDEX (PPM)	MANOMETRIC		DATA SHEET			
NO.	VOL.					CONC. (PPM)	AV. CONC. (PPM)	NO.	FIELD ANAL.	R	
1965											
I-33	5	12/13/2130	19.5N	155.6W	CC	316.51	-			415	10
I-33	5	12/13/2130	19.5N	155.6W	CC	316.79	317.77			415	10
I-34	5	12/13/2130	19.5N	155.6W	CC	318.27	-			415	10
I-34	5	12/13/2130	19.5N	155.6W	CC	318.55	319.92	317.8		415	10
I-35	5	12/30/ 245	19.5N	155.6W	CC	316.69	-			415	10
I-35	5	12/30/ 245	19.5N	155.6W	CC	316.88	317.94			415	10
I-36	5	12/30/ 245	19.5N	155.6W	CC	316.88	-			415	10
I-36	5	12/30/ 245	19.5N	155.6W	CC	316.69	317.94	317.9		415	10
1966											
I-222	5	1/14/1945	19.5N	155.6W	FC	316.46	-			428	10
I-222	5	1/14/1945	19.5N	155.6W	FC	316.55	317.60			428	10
I-224	5	1/14/1945	19.5N	155.6W	FC	316.65	-			428	10
I-224	5	1/14/1945	19.5N	155.6W	FC	316.46	317.66	317.6		428	10
I-225	5	1/31/ 957	19.5N	155.6W	FC	316.93	-			428	10
I-225	5	1/31/ 957	19.5N	155.6W	FC	316.93	318.11			428	10
I-226	5	1/31/ 957	19.5N	155.6W	FC	316.93	-			428	10
I-226	5	1/31/ 957	19.5N	155.6W	FC	316.84	318.06	318.1		428	10
I-227	5	2/15/ 855	19.5N	155.6W	FC	317.87	-			428	10
I-227	5	2/15/ 855	19.5N	155.6W	FC	317.77	319.20			428	10
I-228	5	2/15/ 855	19.5N	155.6W	FC	317.12	-			428	10
I-228	5	2/15/ 855	19.5N	155.6W	FC	317.12	318.35	318.8		428	10
I-181	5	2/28/1353	19.5N	155.6W	CC	317.90	-			432	10
I-181	5	2/28/1353	19.5N	155.6W	CC	317.90	319.30			432	10
I-182	5	2/28/1353	19.5N	155.6W	CC	317.99	-			432	10
I-182	5	2/28/1353	19.5N	155.6W	CC	317.99	319.41	319.4		432	10
I-183	5	3/17/ 740	19.5N	155.6W	FC	318.18	-			432	10
I-183	5	3/17/ 740	19.5N	155.6W	FC	318.27	319.69			432	10
I-184	5	3/17/ 740	19.5N	155.6W	FC	317.99	-			432	10
I-184	5	3/17/ 740	19.5N	155.6W	FC	318.08	319.46	319.6		432	10

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12	
FLASK		LOCAL		POSITION		OBSR	MANOMETRIC		DATA SHEET			
NO.	VOL.	STD.	TIME			INDEX	CONC.	AV. CONC.	NO.	FIELD	ANAL.	R
						(PPM)	(PPM)	(PPM)				
1966												
I-185	5	4/ 1/	835	19.5N	155.6W	FC	319.21	-		432	10	
I-185	5	4/ 1/	835	19.5N	155.6W	FC	319.21	320.89		432	10	
I-186	5	4/ 1/	835	19.5N	155.6W	FC	319.21	-		432	10	
I-186	5	4/ 1/	835	19.5N	155.6W	FC	319.21	320.89	320.9	432	10	
I-25	5	4/13/	650	19.5N	155.6W	HE	318.93	-		510	11	
I-25	5	4/13/	650	19.5N	155.6W	HE	318.82	320.48		510	11	
I-26	5	4/13/	650	19.5N	155.6W	HE	318.93	-		510	11	
I-26	5	4/13/	650	19.5N	155.6W	HE	318.93	320.55	320.5	510	11	
I-27	5	5/16/2215		19.5N	155.6W	RP	319.50	-		510	11	
I-27	5	5/16/2215		19.5N	155.6W	RP	319.50	321.25		510	11	
I-28	5	5/16/2215		19.5N	155.6W	RP	319.72	-		510	11	
I-28	5	5/16/2215		19.5N	155.6W	RP	319.61	321.45	321.3	510	11	
I-29	5	6/15/2300		19.5N	155.6W	RP	319.50	-		510	11	
I-29	5	6/15/2300		19.5N	155.6W	RP	319.16	321.04		510	11	
I-30	5	6/15/2300		19.5N	155.6W	RP	319.16	-		510	11	
I-30	5	6/15/2300		19.5N	155.6W	RP	319.05	320.77	320.9	510	11	
I-31	5	7/ 7/	455	19.5N	155.6W	RP	318.48	-		510	11	
I-31	5	7/ 7/	455	19.5N	155.6W	RP	318.26	319.87		510	11	
I-32	5	7/ 7/	455	19.5N	155.6W	RP	318.37	-		510	11	
I-32	5	7/ 7/	455	19.5N	155.6W	RP	318.26	319.80	319.8	510	11	
I-33	5	9/ 5/	700	19.5N	155.6W	RP	316.22	-		511	11	
I-33	5	9/ 5/	700	19.5N	155.6W	RP	316.00	317.12		511	11	
I-34	5	9/ 5/	700	19.5N	155.6W	RP	316.11	-		511	11	
I-34	5	9/ 5/	700	19.5N	155.6W	RP	316.11	317.12	317.1	511	11	
I-35	5	10/ 1/	825	19.5N	155.6W	RP	315.32	-		511	11	
I-35	5	10/ 1/	825	19.5N	155.6W	RP	315.32	316.15		511	11	
I-36	5	10/ 1/	825	19.5N	155.6W	RP	315.32	-		511	11	
I-36	5	10/ 1/	825	19.5N	155.6W	RP	315.32	316.15	316.2	511	11	

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA, CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK			LOCAL POSITION	OBSR	INDEX (PPM)	MANOMETRIC		DATA SHEET			
NO.	VOL.	STD. TIME				CONC. (PPM)	AV. CONC. (PPM)	NO.	FIELD ANAL.	R	
1966											
I-97	5	10/24/	630	19.5V	155.6W	RP	315.11	-		559	12
I-97	5	10/24/	630	19.5V	155.6W	RP	315.34	316.04		559	12
I-98	5	10/24/	630	19.5V	155.6W	RP	315.11	-		559	12
I-98	5	10/24/	630	19.5V	155.6W	RP	315.23	315.97	316.0	559	12
I-99	5	11/25/	830	19.5V	155.6W	RP	316.51	-		559	12
I-99	5	11/25/	830	19.5V	155.6W	RP	316.28	317.46		559	12
I-100	5	11/25/	830	19.5V	155.6W	RP	316.16	-		559	12
I-100	5	11/25/	830	19.5V	155.6W	RP	316.04	317.10	317.3	559	12
I-101	5	12/ 8/	850	19.5V	155.6W	RP	317.00	-		561	12
I-101	5	12/ 8/	850	19.5V	155.6W	RP	316.88	318.13		561	12
I-102	5	12/ 8/	850	19.5V	155.6W	RP	317.23	-		561	12
I-102	5	12/ 8/	850	19.5V	155.6W	RP	316.65	318.13	318.1	561	12
1967											
I-222	5	1/ 3/	2200	19.5V	155.6W	RP	317.78	-		543	12
I-222	5	1/ 3/	2200	19.5V	155.6W	RP	317.66	319.08		543	12
I-224	5	1/ 3/	2200	19.5V	155.6W	RP	318.01	-		543	12
I-224	5	1/ 3/	2200	19.5V	155.6W	RP	317.78	319.29	319.2	543	12
I-225	5	2/ 1/	2030	19.5V	155.6W	RP	318.36	-		543	12
I-225	5	2/ 1/	2030	19.5V	155.6W	RP	318.13	319.72		543	12
I-226	5	2/ 1/	2030	19.5V	155.6W	RP	318.13	-		543	12
I-226	5	2/ 1/	2030	19.5V	155.6W	RP	318.01	319.50	319.6	543	12
I-227	5	2/15/	1000	19.5V	155.6W	RP	318.82	-		543	12
I-227	5	2/15/	1000	19.5V	155.6W	RP	318.82	320.42		543	12
I-228	5	2/15/	1000	19.5V	155.6W	RP	318.36	-		543	12
I-228	5	2/15/	1000	19.5V	155.6W	RP	318.13	319.72	320.1	543	12
I-181	5	4/24/	640	19.5V	155.6W	RP	320.10	-		544	12
I-181	5	4/24/	640	19.5V	155.6W	RP	320.10	321.98		544	12
I-182	5	4/24/	640	19.5V	155.6W	RP	320.45	-		544	12
I-182	5	4/24/	640	19.5V	155.6W	RP	320.10	322.19	322.1	544	12

TABLE 11, CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA. CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK							MANOMETRIC		DATA SHEET		
NO.	VOL.	LOCAL STD. TIME	POSITION		OBSR	INDEX (PPM)	CONC. (PPM)	AV. CONC. (PPM)	NO. FIELD ANAL. R		
1967											
I-183	5	5/20/2030	19.5N	155.6W	RP	321.03	-			544	12
I-183	5	5/20/2030	19.5N	155.6W	RP	321.03	323.11			544	12
I-186	5	5/20/2030	19.5N	155.6W	RP	320.92	-			544	12
I-186	5	5/20/2030	19.5N	155.6W	RP	320.92	322.98	323.0		544	12
I-25	5	6/ 6/ 815	19.5N	155.6W	RP	320.27	-			561	12
I-25	5	6/ 6/ 815	19.5N	155.6W	RP	320.27	322.18			561	12
I-26	5	6/ 6/ 815	19.5N	155.6W	RP	320.16	-			561	12
I-26	5	6/ 6/ 815	19.5N	155.6W	RP	320.04	321.98	322.1		561	12
I-27	5	6/19/ 700	19.5N	155.6W	RP	319.10	-			561	12
I-27	5	6/19/ 700	19.5N	155.6W	RP	318.99	320.69			561	12
I-28	5	6/19/ 700	19.5N	155.6W	RP	319.45	-			561	12
I-28	5	6/19/ 700	19.5N	155.6W	RP	318.99	320.91	320.8		561	12
I-29	5	7/ 6/ 800	19.5N	155.6W	RP	318.87	-			561	12
I-29	5	7/ 6/ 800	19.5N	155.6W	RP	318.75	320.41			561	12
I-30	5	7/ 6/ 800	19.5N	155.6W	RP	319.10	-			561	12
I-30	5	7/ 6/ 800	19.5N	155.6W	RP	318.52	320.41	320.4		561	12
I-33	5	9/19/2220	19.5N	155.6W	RP	315.52	-			44	595 13
I-33	5	9/19/2220	19.5N	155.6W	RP	315.52	316.40			44	595 13
I-34	5	9/19/2220	19.5N	155.6W	RP	316.11	-			44	595 13
I-34	5	9/19/2220	19.5N	155.6W	RP	316.11	317.12	316.8		44	595 13
I-31	5	10/ 5/ 620	19.5N	155.6W	RP	315.40	-			45	595 13
I-31	5	10/ 5/ 620	19.5N	155.6W	RP	315.16	316.10			45	595 13
I-32	5	10/ 5/ 620	19.5N	155.6W	RP	316.70	-			45	595 13
I-32	5	10/ 5/ 620	19.5N	155.6W	RP	316.70	317.83	316.1		45	595 13
I-36	5	11/18/1830	19.5N	155.6W	RP	317.06	-			46	595 13
I-36	5	11/18/1830	19.5N	155.6W	RP	316.94	318.20	318.2		46	595 13
I-173	5	12/ 7/2220	19.5N	155.6W	RCP	317.19	-			47	617 14
I-173	5	12/ 7/2220	19.5N	155.6W	RCP	317.46	318.60			47	617 14
I-174	5	12/ 7/2220	19.5N	155.6W	RCP	317.37	-			47	617 14
I-174	5	12/ 7/2220	19.5N	155.6W	RCP	317.46	318.71	318.7		47	617 14

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA. CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12	
FLASK			LOCAL STD. TIME	POSITION	OBSR	INDEX (PPM)	MANOMETRIC		DATA SHEET			
NO.	VOL.						CONC. (PPM)	AV. CONC. (PPM)	NO. FIELD ANAL.	R		
1967												
I-169	5	12/18/	700	19.5N	155.6W	RCP	318.35	-		48	617	14
I-169	5	12/18/	700	19.5N	155.6W	RCP	318.35	319.85		48	617	14
I-170	5	12/18/	700	19.5N	155.6W	RCP	318.62	-		48	617	14
I-170	5	12/18/	700	19.5N	155.6W	RCP	318.71	320.23	320.0	48	617	14
1968												
I-171	5	1/ 1/22	15	19.5N	155.6W	RCP	318.53	-		49	617	14
I-171	5	1/ 1/22	15	19.5N	155.6W	RCP	318.62	320.12		49	617	14
I-172	5	1/ 1/22	15	19.5N	155.6W	RCP	318.35	-		49	617	14
I-172	5	1/ 1/22	15	19.5N	155.6W	RCP	318.35	319.85	320.0	49	617	14
I-157	5	1/19/	700	19.5N	155.6W	RCP	372.66	-		50	641	14
I-157	5	1/19/	700	19.5N	155.6W	RCP	372.66	386.03	386.0	50	641	14
I-222	5	3/ 6/	745	19.5N	155.6W	RCP	320.58	-		53	683	14
I-222	5	3/ 6/	745	19.5N	155.6W	RCP	320.58	322.56		53	683	14
I-224	5	3/ 6/	745	19.5N	155.6W	RCP	320.49	-		53	683	14
I-224	5	3/ 6/	745	19.5N	155.6W	RCP	320.49	322.45	322.5	53	683	14
I-225	5	3/20/	830	19.5N	155.6W	RCP	318.81	-		54	683	14
I-225	5	3/20/	830	19.5N	155.6W	RCP	318.81	320.41		54	683	14
I-226	5	3/20/	830	19.5N	155.6W	RCP	318.81	-		54	683	14
I-226	5	3/20/	830	19.5N	155.6W	RCP	318.81	320.41	320.4	54	683	14
I-227	5	4/ 4/	640	19.5N	155.6W	RCP	320.05	-		55	683	14
I-227	5	4/ 4/	640	19.5N	155.6W	RCP	320.05	321.92		55	683	14
I-228	5	4/ 4/	640	19.5N	155.6W	RCP	319.96	-		55	683	14
I-228	5	4/ 4/	640	19.5N	155.6W	RCP	319.96	321.81	321.9	55	683	14
I-31	5	5/ 8/21	130	19.5N	155.6W	RCP	320.95	-		56	703	15
I-31	5	5/ 8/21	130	19.5N	155.6W	RCP	320.70	322.86		56	703	15
I-32	5	5/ 8/21	130	19.5N	155.6W	RCP	320.95	-		56	703	15
I-32	5	5/ 8/21	130	19.5N	155.6W	RCP	321.00	322.00	322.0	56	703	15

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12	
FLASK NO.	VOL, STD.	LOCAL TIME	POSITION	OBSR	INDEX (PPM)	MANOMETRIC CONC. (PPM)	AV. CONC. (PPM)	DATA SHEET NO.	FIELD ANAL.	R		
1968												
I-33	5	5/21/	830	19.5V	155.6W	RCP	320.95	-	57	703	15	
I-33	5	5/21/	830	19.5V	155.6W	RCP	320.83	322.94	57	703	15	
I-34	5	5/21/	830	19.5V	155.6W	RCP	321.21	-	57	703	15	
I-34	5	5/21/	830	19.5V	155.6W	RCP	320.95	323.17	323.1	57	703	15
I-169	5	7/ 8/	1000	19.5V	155.6W	FSC	319.32	-	58	701	15	
I-169	5	7/ 8/	1000	19.5V	155.6W	FSC	319.32	321.03	58	701	15	
I-170	5	7/ 8/	1000	19.5V	155.6W	FSC	319.32	-	58	701	15	
I-170	5	7/ 8/	1000	19.5V	155.6W	FSC	319.57	321.18	321.1	58	701	15
I-171	5	7/13/	1015	19.5V	155.6W	FSC	318.82	-	59	701	15	
I-171	5	7/13/	1015	19.5V	155.6W	FSC	318.82	320.42	59	701	15	
I-172	5	7/13/	1015	19.5V	155.6W	FSC	318.79	-	59	703	15	
I-172	5	7/13/	1015	19.5V	155.6W	FSC	318.79	320.38	320.4	59	703	15
I-173	5	7/30/	935	19.5V	155.6W	FSC	319.30	-	60	703	15	
I-173	5	7/30/	935	19.5V	155.6W	FSC	319.17	320.92	60	703	15	
I-174	5	7/30/	945	19.5V	155.6W	FSC	318.15	-	60	703	15	
I-174	5	7/30/	945	19.5V	155.6W	FSC	318.02	319.52	319.5	60	703	15
I-187	5	8/23/	840	19.5V	155.6W	FSC	317.56	-	61	701	15	
I-187	5	8/23/	840	19.5V	155.6W	FSC	317.81	319.03	61	701	15	
I-188	5	8/23/	840	19.5V	155.6W	FSC	317.68	-	61	701	15	
I-188	5	8/23/	840	19.5V	155.6W	FSC	317.68	319.03	319.0	61	701	15
I-189	5	9/13/	745	19.5V	155.6W	FSC	316.55	-	62	701	15	
I-189	5	9/13/	745	19.5V	155.6W	FSC	316.55	317.65	62	701	15	
I-190	5	9/13/	745	19.5V	155.6W	FSC	316.80	-	62	701	15	
I-190	5	9/13/	745	19.5V	155.6W	FSC	316.55	317.80	317.7	62	701	15
I-191	5	9/30/	910	19.5V	155.6W	FSC	316.85	-	63	708	15	
I-191	5	9/30/	910	19.5V	155.6W	FSC	316.85	318.02	63	708	15	
I-192	5	9/30/	910	19.5V	155.6W	FSC	316.09	-	63	708	15	
I-192	5	9/30/	910	19.5V	155.6W	FSC	316.72	317.48	317.7	63	708	15

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA. CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12	
FLASK NO.	VOL.	LOCAL STD. TIME	POSITION	OBSR	INDEX (PPM)	MANOMETRIC CONC. (PPM)	AV. CONC. (PPM)	DATA SHEET NO.	FIELD ANAL.	R		
1968												
I-222	5	10/15/	852	19.5V	155.6W	FSC	316.72	-		64	708	15
I-222	5	10/15/	852	19.5V	155.6W	FSC	316.85	317.94	317.9	64	708	15
I-225	5	10/28/	825	19.5V	155.6W	FSC	315.97	-		65	708	15
I-225	5	10/28/	825	19.5V	155.6W	FSC	315.84	316.87		65	708	15
I-226	5	10/28/	825	19.5V	155.6W	FSC	316.09	-		65	708	15
I-226	5	10/28/	825	19.5V	155.6W	FSC	315.97	317.02	316.9	65	708	15
I-227	5	11/12/	855	19.5V	155.6W	FSC	316.87	-		66	724	15
I-227	5	11/12/	855	19.5V	155.6W	FSC	316.75	317.97		66	724	15
I-228	5	11/12/	855	19.5V	155.6W	FSC	316.62	-		66	724	15
I-228	5	11/12/	855	19.5V	155.6W	FSC	316.62	317.74	317.9	66	724	15
I-159	5	12/20/	925	19.5V	155.6W	FSC	318.66	-		67	725	15
I-159	5	12/20/	925	19.5V	155.6W	FSC	318.40	320.06		67	725	15
I-160	5	12/20/	925	19.5V	155.6W	FSC	318.66	-		67	725	15
I-160	5	12/20/	925	19.5V	155.6W	FSC	318.66	320.22	320.1	67	725	15
1969												
I-161	5	1/17/	858	19.5V	155.6W	FSC	319.40	-		68	733	15
I-161	5	1/17/	858	19.5V	155.6W	FSC	319.28	321.05		68	733	15
I-162	5	1/17/	858	19.5V	155.6W	FSC	319.40	-		68	733	15
I-162	5	1/17/	858	19.5V	155.6W	FSC	319.28	321.05	321.1	68	733	15
I-97	5	1/30/	830	19.5V	155.6W	FSC	319.90	-		69	733	15
I-97	5	1/30/	830	19.5V	155.6W	FSC	319.90	321.73		69	733	15
I-98	5	1/30/	830	19.5V	155.6W	FSC	319.78	-		69	733	15
I-98	5	1/30/	830	19.5V	155.6W	FSC	319.78	321.59	321.7	69	733	15
I-99	5	2/17/	855	19.5V	155.6W	FSC	319.40	-		70	733	15
I-99	5	2/17/	855	19.5V	155.6W	FSC	319.28	321.05		70	733	15
I-108	5	2/17/	855	19.5V	155.6W	FSC	319.28	-		70	733	15
I-108	5	2/17/	855	19.5V	155.6W	FSC	319.40	321.05	321.1	70	733	15

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA, CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK		LOCAL	POSITION		OBSR	INDEX	MANOMETRIC		DATA SHEET		
NO.	VOL.	STD.	TIME			(PPM)	CONC.	AV. CONC.	NO.		
							(PPM)	(PPM)	FIELD	ANAL.	R
1969											
I-101	5	2/27/	925	19.5V	155.6W	FSC	319.93	-	71	735	15
I-101	5	2/27/	925	19.5V	155.6W	FSC	320.06	321.85	71	735	15
I-102	5	2/27/	925	19.5V	155.6W	FSC	321.06	-	71	735	15
I-102	5	2/27/	925	19.5V	155.6W	FSC	321.06	323.15	71	735	15
I-169	5	3/19/	855	19.5V	155.6W	FSC	319.81	-	72	735	15
I-169	5	3/19/	855	19.5V	155.6W	FSC	320.31	321.93	72	735	15
I-170	5	3/19/	855	19.5V	155.6W	FSC	320.56	-	72	735	15
I-170	5	3/19/	855	19.5V	155.6W	FSC	320.31	322.39	72	735	15
I-171	5	4/ 3/	900	19.5V	155.6W	FSC	320.81	-	73	735	15
I-171	5	4/ 3/	900	19.5V	155.6W	FSC	320.81	322.84	73	735	15
I-172	5	4/ 3/	900	19.5V	155.6W	FSC	320.68	-	73	735	15
I-172	5	4/ 3/	900	19.5V	155.6W	FSC	320.81	322.76	73	735	15
I-173	5	4/15/	830	19.5V	155.6W	FSC	321.68	-	74	735	15
I-173	5	4/15/	830	19.5V	155.6W	FSC	321.31	323.68	74	735	15
I-174	5	4/15/	830	19.5V	155.6W	FSC	321.81	-	74	735	15
I-174	5	4/15/	830	19.5V	155.6W	FSC	321.93	324.13	74	735	15
I-193	5	5/ 9/	800	19.5V	155.6W	FSC	322.73	-	75	742	16
I-193	5	5/ 9/	800	19.5V	155.6W	FSC	322.47	325.02	75	742	16
I-194	5	5/ 9/	800	19.5V	155.6W	FSC	322.73	-	75	742	16
I-194	5	5/ 9/	800	19.5V	155.6W	FSC	322.98	325.34	75	742	16
I-195	5	5/16/	800	19.5V	155.6W	FSC	322.98	-	76	742	16
I-195	5	5/16/	800	19.5V	155.6W	FSC	322.73	325.34	76	742	16
I-196	5	5/16/	800	19.5V	155.6W	FSC	323.36	-	76	742	16
I-196	5	5/16/	800	19.5V	155.6W	FSC	323.24	325.88	76	742	16
I-197	5	5/26/	825	19.5V	155.6W	FSC	322.73	-	77	742	16
I-197	5	5/26/	825	19.5V	155.6W	FSC	322.22	324.87	77	742	16
I-198	5	5/26/	825	19.5V	155.6W	FSC	322.34	-	77	743	16
I-198	5	5/26/	825	19.5V	155.6W	FSC	321.06	324.48	77	743	16

TABLE 11, CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA, CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK		LOCAL	POSITION		OBSR	INDEX	MANOMETRIC		DATA SHEET		
NO.	VOL.	STD.				(PPM)	CONC.	AV. CONC.	NO.		
		TIME					(PPM)	(PPM)	FIELD	ANAL.	R
1969											
I-199	5	6/20/1320	19.5V	155.6W	FSC	321.01	-		78	745	16
I-199	5	6/20/1320	19.5V	155.6W	FSC	320.62	322.85		78	745	16
I-200	5	6/20/1320	19.5V	155.6W	FSC	321.01	-		78	745	16
I-200	5	6/20/1320	19.5V	155.6W	FSC	321.01	323.09	323.0	78	745	16
I-201	5	6/30/ 935	19.5V	155.6W	FSC	320.75	-		79	745	16
I-201	5	6/30/ 935	19.5V	155.6W	FSC	320.88	322.85		79	745	16
I-202	5	6/30/ 935	19.5V	155.6W	FSC	320.75	-		79	745	16
I-202	5	6/30/ 935	19.5V	155.6W	FSC	320.62	322.69	322.8	79	745	16
I-203	5	7/14/ 800	19.5V	155.6W	FSC	320.62	-		80	745	16
I-203	5	7/14/ 800	19.5V	155.6W	FSC	320.49	322.53		80	745	16
I-204	5	7/14/ 800	19.5V	155.6W	FSC	320.37	-		80	745	16
I-204	5	7/14/ 800	19.5V	155.6W	FSC	319.98	322.07	322.3	80	745	16
I-73	5	8/ 6/1020	19.5V	155.6W	FSC	319.94	-		81	748	16
I-73	5	8/ 6/1020	19.5V	155.6W	FSC	319.94	321.78		81	748	16
I-74	5	8/ 6/1020	19.5V	155.6W	FSC	319.42	-		81	748	16
I-74	5	8/ 6/1020	19.5V	155.6W	FSC	319.94	321.47	321.6	81	748	16
I-75	5	8/15/ 830	19.5V	155.6W	FSC	318.63	-		82	748	16
I-75	5	8/15/ 830	19.5V	155.6W	FSC	318.36	320.02		82	748	16
I-76	5	8/15/ 830	19.5V	155.6W	FSC	318.63	-		82	748	16
I-76	5	8/15/ 830	19.5V	155.6W	FSC	318.63	320.19	320.1	82	748	16
I-77	5	8/27/ 945	19.5V	155.6W	FSC	318.76	-		83	748	16
I-77	5	8/27/ 945	19.5V	155.6W	FSC	318.63	320.27		83	748	16
I-78	5	8/27/ 945	19.5V	155.6W	FSC	318.63	-		83	749	16
I-78	5	8/27/ 945	19.5V	155.6W	FSC	318.89	320.34	320.3	83	749	16
I-79	5	9/15/1017	19.5V	155.6W	FSC	317.67	-		84	755	16
I-79	5	9/15/1017	19.5V	155.6W	FSC	317.79	319.09		84	755	16
I-80	5	9/15/1017	19.5V	155.6W	FSC	318.04	-		84	755	16
I-80	5	9/15/1017	19.5V	155.6W	FSC	317.92	319.39	319.2	84	755	16

TABLE 11, CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12	
FLASK		LOCAL	POSITION		OBSR	INDEX	MANOMETRIC		DATA SHEET			
NO.	VOL.	STD.	TIME			(PPM)	CONC.	AV. CONC.	NO.			
							(PPM)	(PPM)	FIELD	ANAL.	R	
1969												
I-81	5	10/ 6/	910	19.5V	155.6W	FSC	317.04	-	85	755	16	
I-81	5	10/ 6/	910	19.5V	155.6W	FSC	317.04	318.25	85	755	16	
I-82	5	10/ 6/	910	19.5V	155.6W	FSC	317.29	-	85	755	16	
I-82	5	10/ 6/	910	19.5V	155.6W	FSC	314.42	316.80	316.8	85	755	16
I-83	5	10/17/	1415	19.5V	155.6W	FSC	316.92	-	86	755	16	
I-83	5	10/17/	1415	19.5V	155.6W	FSC	317.04	318.18	86	755	16	
I-84	5	10/17/	1415	19.5V	155.6W	FSC	316.67	-	86	755	16	
I-84	5	10/17/	1415	19.5V	155.6W	FSC	316.79	317.87	318.0	86	755	16
I-145	5	11/ 3/	838	19.5V	155.6W	FSC	317.83	-	87	761	17	
I-145	5	11/ 3/	838	19.5V	155.6W	FSC	317.95	319.28	87	761	17	
I-146	5	11/ 3/	838	19.5V	155.6W	FSC	318.08	-	87	761	17	
I-146	5	11/ 3/	838	19.5V	155.6W	FSC	318.08	319.52	319.4	87	761	17
I-147	5	11/17/	947	19.5V	155.6W	FSC	318.58	-	88	761	17	
I-147	5	11/17/	947	19.5V	155.6W	FSC	318.83	320.28	88	761	17	
I-148	5	11/17/	947	19.5V	155.6W	FSC	318.83	-	88	761	17	
I-148	5	11/17/	947	19.5V	155.6W	FSC	318.58	320.28	320.3	88	761	17
I-149	5	11/28/	840	19.5V	155.6W	FSC	319.59	-	89	761	17	
I-149	5	11/28/	840	19.5V	155.6W	FSC	319.59	321.36	89	761	17	
I-150	5	11/28/	840	19.5V	155.6W	FSC	319.34	-	89	761	17	
I-150	5	11/28/	840	19.5V	155.6W	FSC	319.21	320.97	321.2	89	761	17
I-151	5	12/19/	835	19.5V	155.6W	FSC	319.54	-	90	765	17	
I-151	5	12/19/	835	19.5V	155.6W	FSC	318.91	320.91	90	765	17	
I-152	5	12/19/	835	19.5V	155.6W	FSC	319.04	-	90	765	17	
I-152	5	12/19/	835	19.5V	155.6W	FSC	318.79	320.53	320.7	90	765	17
1970												
I-153	5	1/ 7/	915	19.5V	155.6W	FSC	321.28	-	91	765	17	
I-153	5	1/ 7/	915	19.5V	155.6W	FSC	322.41	324.10	91	765	17	
I-154	5	1/ 7/	915	19.5V	155.6W	FSC	327.53	-	91	765	17	
I-154	5	1/ 7/	915	19.5V	155.6W	FSC	327.66	331.11	324.1	91	765	17

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA, CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK							MANOMETRIC		DATA SHEET		
NO.	VOL.	LOCAL STD. TIME	POSITION	OBSR	INDEX (PPM)	CONC. (PPM)	AV. CONC. (PPM)	NO. FIELD ANAL.	R		
1970											
I-155	5	1/16/ 845	19.5N 155.6W	FSC	320.28	-		92	765	17	
I-155	5	1/16/ 845	19.5N 155.6W	FSC	320.28	322.20		92	765	17	
I-156	5	1/16/ 845	19.5N 155.6W	FSC	320.03	-		92	765	17	
I-156	5	1/16/ 845	19.5N 155.6W	FSC	320.03	321.89	322.0	92	765	17	
I-73	5	3/ 6/ 815	19.5N 155.6W	FSC	321.27	-		93	770	17	
I-73	5	3/ 6/ 815	19.5N 155.6W	FSC	321.27	323.40		93	770	17	
I-74	5	3/ 6/ 815	19.5N 155.6W	FSC	321.27	-		93	770	17	
I-74	5	3/ 6/ 815	19.5N 155.6W	FSC	321.27	323.40	323.4	93	770	17	
I-75	5	3/17/ 848	19.5N 155.6W	FSC	321.40	-		94	770	17	
I-75	5	3/17/ 848	19.5N 155.6W	FSC	321.27	323.48		94	770	17	
I-76	5	3/17/ 848	19.5N 155.6W	FSC	321.40	-		94	770	17	
I-76	5	3/17/ 848	19.5N 155.6W	FSC	321.40	323.56	323.5	94	770	17	
I-77	5	4/ 6/1150	19.5N 155.6W	FSC	321.90	-		95	770	17	
I-77	5	4/ 6/1150	19.5N 155.6W	FSC	321.77	324.09		95	770	17	
I-78	5	4/ 6/1150	19.5N 155.6W	FSC	321.77	-		95	770	17	
I-78	5	4/ 6/1150	19.5N 155.6W	FSC	322.27	324.32	324.2	95	770	17	
I-79	5	4/24/1018	19.5N 155.6W	FSC	323.23	-		96	773	17	
I-79	5	4/24/1018	19.5N 155.6W	FSC	323.23	325.79		96	773	17	
I-80	5	4/24/1018	19.5N 155.6W	FSC	323.23	-		96	773	17	
I-80	5	4/24/1018	19.5N 155.6W	FSC	323.23	325.79	325.8	96	773	17	
I-81	5	5/15/ 850	19.5N 155.6W	FSC	322.48	-		97	773	17	
I-81	5	5/15/ 850	19.5N 155.6W	FSC	322.48	324.88		97	773	17	
I-82	5	5/15/ 850	19.5N 155.6W	FSC	322.48	-		97	773	17	
I-82	5	5/15/ 850	19.5N 155.6W	FSC	322.48	324.88	324.9	97	773	17	
I-83	5	5/25/1415	19.5N 155.6W	FSC	322.73	-		98	773	17	
I-83	5	5/25/1415	19.5N 155.6W	FSC	322.60	325.10		98	773	17	
I-84	5	5/25/1415	19.5N 155.6W	FSC	322.73	-		98	774	17	
I-84	5	5/25/1415	19.5N 155.6W	FSC	322.60	325.10	325.1	98	774	17	

TABLE 11. CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY

MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
FLASK							MANOMETRIC		DATA SHEET		
NO.	VOL.	LOCAL STD. TIME	POSITION		OBSR	INDEX (PPM)	CONC. (PPM)	AV. CONC. (PPM)	NO. FIELD ANAL. R		
1970											
I-146	5	6/ 8/ 855	19.5N	155.6W	FSC	323.50	-		99	775	17
I-146	5	6/ 8/ 855	19.5N	155.6W	FSC	323.50	326.12	326.1	99	775	17
I-147	5	6/15/1350	19.5N	155.6W	FSC	322.00	-		100	775	17
I-147	5	6/15/1350	19.5N	155.6W	FSC	321.87	324.21		100	775	17
I-148	5	6/15/1350	19.5N	155.6W	FSC	322.25	-		100	775	17
I-148	5	6/15/1350	19.5N	155.6W	FSC	321.50	324.14	324.2	100	775	17
I-149	5	7/ 2/ 850	19.5N	155.6W	FSC	321.37	-		101	775	17
I-149	5	7/ 2/ 850	19.5N	155.6W	FSC	321.37	323.53		101	775	17
I-150	5	7/ 2/ 850	19.5N	155.6W	FSC	321.25	-		101	775	17
I-150	5	7/ 2/ 850	19.5N	155.6W	FSC	321.37	323.45	323.5	101	775	17
I-151	5	7/24/ 845	19.5N	155.6W	FSC	321.84	-		102	778	17
I-151	5	7/24/ 845	19.5N	155.6W	FSC	321.84	324.10		102	778	17
I-152	5	7/24/ 845	19.5N	155.6W	FSC	321.47	-		102	778	17
I-152	5	7/24/ 845	19.5N	155.6W	FSC	321.34	323.57	323.8	102	778	17
I-153	5	8/ 3/1415	19.5N	155.6W	FSC	318.56	-		103	778	17
I-153	5	8/ 3/1415	19.5N	155.6W	FSC	318.56	320.10		103	778	17
I-154	5	8/ 3/1415	19.5N	155.6W	FSC	318.56	-		103	778	17
I-154	5	8/ 3/1415	19.5N	155.6W	FSC	318.56	320.10	320.1	103	778	17
I-155	5	8/12/1020	19.5N	155.6W	FSC	319.78	-		104	780	17
I-155	5	8/12/1020	19.5N	155.6W	FSC	319.53	321.44		104	780	17
I-156	5	8/12/1020	19.5N	155.6W	FSC	319.78	-		104	780	17
I-156	5	8/12/1020	19.5N	155.6W	FSC	319.53	321.44	321.4	104	780	17
I-73	5	9/21/ 915	19.5N	155.6W	FSC	318.78	-		105	784	17
I-73	5	9/21/ 915	19.5N	155.6W	FSC	318.65	320.29		105	784	17
I-74	5	9/21/ 915	19.5N	155.6W	FSC	319.55	-		105	784	17
I-74	5	9/21/ 915	19.5N	155.6W	FSC	319.03	320.99	320.6	105	784	17
I-75	5	10/ 5/1440	19.5N	155.6W	FSC	318.26	-		106	784	17
I-75	5	10/ 5/1440	19.5N	155.6W	FSC	318.39	319.81		106	784	17
I-76	5	10/ 5/1440	19.5N	155.6W	FSC	318.13	-		106	784	17
I-76	5	10/ 5/1440	19.5N	155.6W	FSC	318.26	318.66	318.7	106	784	17

TABLE 11, CONCENTRATIONS OF FLASK SAMPLES TAKEN AT MAUNA LOA OBSERVATORY
 MAUNA LOA, CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12	
FLASK		LOCAL	POSITION		OBSR	INDEX	MANOMETRIC		DATA SHEET			
NO.	VOL.	STD. TIME				(PPM)	CONC.	AV. CONC.	NO.	FIELD ANAL.	R	
							(PPM)	(PPM)				
1970												
I-77	5	10/19/	920	19.5N	155.6W	FSC	319.03	-		107	785	17
I-77	5	10/19/	920	19.5N	155.6W	FSC	318.90	320.59		107	785	17
I-78	5	10/19/	920	19.5N	155.6W	FSC	318.65	-		107	785	17
I-78	5	10/19/	920	19.5N	155.6W	FSC	318.52	320.13	320.4	107	785	17
I-79	5	11/13/	1120	19.5N	155.6W	FSC	319.30	-		108	788	18
I-79	5	11/13/	1120	19.5N	155.6W	FSC	319.17	320.92		108	788	18
I-80	5	11/13/	1120	19.5N	155.6W	FSC	319.30	-		108	788	18
I-80	5	11/13/	1120	19.5N	155.6W	FSC	319.43	321.08	321.0	108	788	18
I-81	5	11/23/	850	19.5N	155.6W	FSC	319.30	-		109	788	18
I-81	5	11/23/	850	19.5N	155.6W	FSC	319.56	321.16		109	788	18
I-82	5	11/23/	850	19.5N	155.6W	FSC	319.81	-		109	788	18
I-82	5	11/23/	850	19.5N	155.6W	FSC	319.81	321.62	321.4	109	788	18
I-84	5	12/ 7/	920	19.5N	155.6W	FSC	319.69	-		110	789	18
I-84	5	12/ 7/	920	19.5N	155.6W	FSC	319.69	321.48	321.5	110	789	18

TABLE 12. Atmospheric Carbon Dioxide Concentration at Mauna Loa
From Continuous Analyzer at Times of Flask Sampling

Col. 1	2	3	4	5	6	7	8
Date	Time LST	Observed Scale Difference	Recorder Scale Factor	Reference Tank		Air Index	Manometric Concentration
				Number	Index		
6-30-64	1900	3.9	0.81383	4285	312.94	316.11	317.12
7-13-64	1910	4.1	0.80930	4285	312.94	316.26	317.30
7-31-64	2258	3.3	0.80310	3754	312.15	314.80	315.52
8-18-64	0553	0.6	0.79700	4295	313.79	314.27	314.87
9-14-64	2350	-1.4	0.78802	3753	313.35	312.25	312.41
10-2-64	2248	0.1	2.80049	3753	313.35	313.63	314.09
10-14-64	1013	-0.3	2.80049	3759	313.54	312.70	312.96
10-31-64	2130	0.5	0.89563	3759	313.54	313.99	314.53
11-14-64	2145	-0.6	0.90038	2407	314.33	313.79	314.29
11-30-64	2330	-0.3	0.90587	2407	314.33	314.06	314.62
12-17-64	0637	0.7	0.91177	4295	313.83	314.47	315.12
12-31-64	0913	1.8	0.91670	2425	313.57	315.22	316.03
1-13-65	1352	2.1	0.92132	2425	313.57	315.50	316.37
1-29-65	0955	1.5	0.92706	2419	314.51	315.90	316.86
2-16-65	0810	2.1	0.93362	2419	314.51	316.47	317.55
3-4-65	0704	4.8	0.93952	11076	312.37	316.88	318.05
3-17-65	0544	3.6	0.94437	132	313.16	316.56	317.66
3-31-65	0907	4.5	0.94966	132	313.16	317.43	318.73
4-15-65	0917	4.9	0.95538	18219	313.58	318.26	319.74
4-30-65	0525	4.6	0.95722	18219	313.58	317.98	319.40
5-14-65	0625	5.5	0.97883	6052	312.14	317.52	318.84

TABLE 12. Atmospheric Carbon Dioxide Concentration at Mauna Loa
From Continuous Analyzer at Times of Flask Sampling

Col. 1	2	3	4	5	6	7	8
Date	Time LST	Observed Scale Difference	Recorder Scale Factor	Reference Tank Number	- Index	Air Index	Manometric Concentration
5-30-65	0720	5.9	1.00475	6052	312.14	317.87	319.26
6-17-65	2200	5.8	0.95322	6052	312.14	317.67	319.01
6-30-65	0800	5.5	0.91467	2400	312.59	317.62	318.96
7-16-65	1445	3.1	0.91791	2400	312.59	315.44	316.29
8-1-65	0605	4.4	0.92117	4284	312.00	316.05	317.04
8-14-65	0520	2.2	0.92383	4284	312.00	314.02	314.57
8-30-65	0608	3.3	0.92713	4278	312.19	315.25	316.07
9-14-65	0555	2.1	0.93025	4278	312.19	314.14	314.72
10-3-65	0610	0.7	0.93423	4278	312.19	312.84	313.14
10-16-65	0600	2.6	0.93697	7366	311.94	314.38	315.01
10-30-65	0610	1.8	0.93994	7366	311.94	313.63	314.09
11-15-65	0643	2.9	0.94336	4290	312.51	315.25	316.07
12-13-65	2130	-3.1	0.94940	11081	318.13	315.19	315.99
12-30-65	0245	-3.2	0.95310	11081	318.13	315.08	315.86
1-14-66	1945	-2.8	0.92877	3755	317.55	314.95	315.70
1-31-66	0957	-1.2	0.91889	3755	317.55	316.45	317.53
2-16-66	0855	-4.3	0.90978	11078	320.51	316.60	317.71
2-28-66	1352	-3.5	0.90306	11078	320.51	317.35	318.63
3-17-66	0740	-3.3	0.89372	148	320.19	317.24	318.49
4-1-66	0835	-1.9	0.88563	148	320.19	318.51	320.04
4-13-66	0650	-4.3	0.87927	7364	321.77	317.99	319.41
5-16-66	2215	-1.9	0.86223	18220	320.31	318.67	320.24

TABLE 12. Atmospheric Carbon Dioxide Concentration at Mauna Loa
From Continuous Analyzer at Times of Flask Sampling

Col. 1	2	3	4	5	6	7	8
Date	Time LST	Observed Scale Difference	Recorder Scale Factor	Reference Tank		Air Index	Manometric Concentration
				Number	Index		
6-15-66	2300	-4.7	0.84730	181	322.31	318.33	319.82
7-7-66	0455	-5.6	0.83668	2421	322.34	317.65	319.00
9-5-66	0700	-7.1	1.15588	11092	322.91	314.70	315.40
10-1-66	0825	-7.3	1.18534	4277	322.75	314.10	314.66
10-24-66	0630	-3.8	1.15817	7362	318.13	313.73	314.21
11-25-66	0830	-3.9	1.12236	11080	311.14	306.76	305.72
12-8-66	0850	4.5	1.10844	4276	311.31	316.30	317.34
1-3-67	2200	-5.4	1.08162	18220	322.29	316.45	317.53
2-1-67	2030	-5.2	1.05318	18220	322.29	316.81	317.97
2-15-67	1000	-5.1	1.03998	4278	323.17	317.87	319.26
4-24-67	0640	-6.3	0.98032	7364	324.52	318.34	319.83
5-20-67	2030	0.3	0.95927	3759	318.81	319.10	320.76
6-6-67	0815	0.9	0.94522	3759	318.81	319.66	321.44
6-19-67	0700	-5.5	0.94707	11083	323.56	318.35	319.85
7-6-67	0800	-5.0	0.94950	11083	323.56	318.81	320.41
9-19-67	2220	-6.3	0.96037	11092	320.33	314.28	314.89
10-5-67	0620	-7.2	0.96057	7362	321.09	314.17	314.75
11-18-67	1830	0.6	0.92412	2421	315.29	315.84	316.79
12-7-67	2220	1.3	0.90922	2421	315.29	316.47	317.56
12-18-67	0700	-3.5	0.90082	2426	320.39	317.24	318.50
1-1-68	2215	-3.9	0.89034	2426	320.39	316.92	318.10
1-19-68	0700	-4.4	0.87722	3757	321.36	317.50	318.81

TABLE 12. Atmospheric Carbon Dioxide Concentration at Mauna Loa
From Continuous Analyzer at Times of Flask Sampling

Col. 1	2	3	4	5	6	7	8
Date	Time LST	Observed Scale Difference	Recorder Scale Factor	Reference Tank		Air Index	Manometric Concentration
				Number	Index		
3-6-68	0745	1.0	0.84472	3759	319.24	320.08	321.96
3-20-68	0830	-0.5	0.83550	3752	318.86	318.44	319.96
4-4-68	0640	-0.9	0.82553	11089	319.84	319.10	320.76
5-8-68	2130	-4.7	0.85710	11083	323.64	319.61	321.38
5-21-68	0830	-5.7	0.86982	4275	324.39	319.43	321.16
7-8-68	1000	-3.4	0.82617	2405	321.79	318.98	320.61
7-15-68	1015	-4.1	0.82437	2405	321.79	318.41	319.92
7-30-68	0945	-4.8	0.82055	2405	321.79	317.85	319.24
8-23-68	0840	-6.7	0.81451	4295	321.94	316.48	317.57
9-13-68	0745	-1.5	0.80929	2419	316.69	315.48	316.35
9-30-68	0910	-0.9	0.80512	2419	316.69	315.97	316.94
10-15-68	0852	-8.7	0.80148	4297	322.62	315.65	316.55
10-28-68	0825	-8.8	0.79834	4297	322.62	315.59	316.49
11-12-68	0855	-5.5	0.79476	2423	319.79	315.42	316.27
12-20-68	0925	-4.2	0.78582	11092	321.84	318.51	320.04
1-17-69	0858	-3.0	1.09048	11092	321.84	318.57	320.11
1-30-69	0830	-3.3	1.09102	4283	322.76	319.16	320.83
2-17-69	0855	-3.4	1.09178	4283	322.76	319.05	320.70
2-27-69	0925	-2.7	1.09219	181	323.12	320.17	322.06
3-19-69	0855	-2.7	1.09303	181	323.12	320.17	322.06
4-3-69	0900	-2.5	1.09366	2407	323.37	320.64	322.63
4-15-69	0830	-2.2	1.09417	2407	323.37	320.96	323.03

TABLE 12. Atmospheric Carbon Dioxide Concentration at Mauna Loa
From Continuous Analyzer at Times of Flask Sampling

Col. 1	2	3	4	5	6	7	8
Date	Time LST	Observed Scale Difference	Recorder Scale Factor	Reference Tank Number	Index	Air Index	Manometric Concentration
5-9-69	0800	-2.7	1.09518	1008	324.90	321.94	324.22
5-16-69	0800	-4.6	1.09547	1008	324.90	319.86	321.69
5-26-69	0825	-2.8	1.09589	1008	324.90	321.83	324.09
6-20-69	1320	4.0	1.09695	6060	316.73	321.12	323.22
6-30-69	0935	3.5	1.09737	6060	316.73	320.54	322.51
7-14-69	0800	2.8	1.09796	6060	316.73	319.80	321.62
8-6-69	1020	-1.7	1.09894	3759	321.72	319.85	321.68
8-15-69	0830	-2.9	1.09932	3759	321.72	318.53	320.07
8-27-69	0945	-3.2	1.09983	4290	322.00	318.48	320.00
9-15-69	1017	-3.7	1.10064	4290	322.00	317.93	319.33
10-17-69	1415	-2.4	1.10200	2418	319.64	317.00	318.19
11-3-69	0838	-6.7	1.10272	4292	324.31	316.92	318.10
11-17-69	0947	-6.3	1.10332	4292	324.31	317.36	318.64
11-28-69	0840	-4.8	1.10379	4292	324.31	319.01	320.65
1-7-70	0915	-5.0	1.12397	11080	325.47	319.85	321.67
1-16-70	0845	-5.5	1.12517	11080	325.47	319.28	320.98
3-6-70	0815	-2.5	1.13177	3758	323.12	320.29	322.21
3-17-70	0848	-4.5	1.13326	11089	323.33	318.23	319.70
5-15-70	0850	-2.9	1.14133	2426	324.45	321.14	323.24
5-25-70	1415	-1.5	1.14270	2426	324.45	322.74	325.19
6-8-70	0855	-1.9	1.14464	2426	324.45	322.27	324.63
6-15-70	1350	2.7	1.14561	3752	320.22	323.31	325.89

TABLE 12. Atmospheric Carbon Dioxide Concentration at Mauna Loa
From Continuous Analyzer at Times of Flask Sampling

Col. 1	2	3	4	5	6	7	8
Date	Time LST	Observed Scale Difference	Recorder Scale Factor	Reference Tank		Air Index	Manometric Concentration
				Number	Index		
7-2-70	0850	0.4	1.14797	3752	320.22	320.68	322.68
8-3-70	1415	-2.8	1.15245	6081	321.88	318.65	320.21
8-12-70	1020	-1.3	1.15371	6081	321.88	320.38	322.32
9-21-70	0915	-4.4	1.15937	3756	322.86	317.76	319.13
10-5-70	1440	-4.0	1.16136	3756	322.86	318.21	319.67
10-19-70	0920	-4.2	1.16336	3756	322.86	317.97	319.38
11-13-70	1120	-3.8	1.16695	4285	324.25	319.82	321.64
11-23-70	0850	-4.5	1.16839	136	324.66	319.40	321.12
12-7-70	0920	-4.6	1.17041	136	324.66	319.28	320.98

TABLE 13 Comparison of Continuous Analyzer and Flask Samples
at Mauna Loa Observatory

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	1	2	3	4	5
Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)	Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)
		Flask	Analyzer				Flask	Analyzer	
6-30-64	2018	322.53	317.12	-5.41	1-13-65	1352	317.33	316.37	-0.96
		319.47		-2.35			316.98		-0.61
7-13-64	1910	319.47	317.30	-2.17	1-29-65	0955	320.63	316.86	-3.77
7-31-64	2258	317.07	315.52	-1.55			317.15		-0.29
		317.43		-1.91	2-16-65	0810	318.89	317.55	-1.34
8-18-64	0553	316.35	314.87	-1.48			324.70		-7.15
		316.82		-1.95	3-4-65	0704	317.99	318.05	-0.6
9-14-64	2350	314.89	312.41	-2.48			318.36		-0.31
		315.24		-2.83	3-17-65	0544	318.66	317.66	-1.00
10-2-64	2248	314.58	314.09	-0.49			318.36		-0.70
		314.46		-0.37	3-31-65	0907	318.89	318.73	-0.16
10-14-64	1013	320.87	312.96	-7.91			319.31		-0.58
		317.16		-4.20	4-5-65	0917	319.92	319.74	-0.18
10-31-64	2130	316.10	314.53	-1.57			319.73		-0.01
		315.93		-1.40	4-30-65	0525	320.91	319.40	-1.51
11-14-64	2145	316.77	314.29	-2.48			320.22		-0.82
		316.04		-1.75	5-14-65	0625	322.20	318.84	-3.36
11-30-64	2330	315.75	314.62	-1.13			320.04		-1.20
		315.63		-1.01	5-30-65	0720	320.56	319.26	-1.30
12-17-64	0637	316.90	315.12	-1.78			320.56		-1.30
12-31-64	0913	316.90	316.03	-0.87	6-17-65	2200	319.76	319.01	-0.75
		316.65		-0.62			320.13		-1.12

TABLE 13 Comparison of Continuous Analyzer and Flask Samples
at Mauna Loa Observatory

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	1	2	3	4	5
Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)	Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)
		Flask	Analyzer				Flask	Analyzer	
6-30-65	0800	380.54	318.96	-61.58	12-30-65	0245	317.94	315.86	-2.08
		319.38		- 0.42			317.94		-2.08
7-16-65	1445	316.59	316.29	- 0.30	1-14-66	1945	317.60	315.70	-1.90
		316.35		- 0.06			317.66		-1.96
8-1-65	0605	318.33	317.04	- 1.29	1-30-66	0957	318.11	317.53	-0.58
		317.83		- 0.79			318.06		-0.53
8-14-65	0520	315.36	314.57	- 0.79	2-16-66	0855	319.20	317.71	-1.49
		315.79		- 1.22			318.35		-0.64
8-30-65	0608	321.86	316.07	- 5.80	2-28-66	1353	317.30	318.63	1.33
		322.08		- 6.01			319.41		-0.78
9-14-65	0555	315.57	314.72	- 0.85	3-17-66	0740	319.69	318.49	-1.20
		315.96		- 1.24			319.46		-0.97
10-3-65	0610	318.55	313.14	- 5.41	4-1-66	0835	320.89	320.04	-0.85
		319.58		- 6.44			320.89		-0.85
10-16-65	0600	314.65	315.01	0.36	4-13-66	0650	320.48	319.41	-1.07
		317.47		- 2.46			320.55		-1.14
10-30-65	0610	313.94	314.09	0.15	5-16-66	2215	321.25	320.24	-1.01
		314.48		- 0.39			321.45		-1.21
11-15-65	0643	323.90	316.07	- 7.83	6-15-66	2300	321.04	319.82	-1.22
		317.46		- 1.39			320.77		-0.95
12-13-65	2130	317.77	315.99	- 1.78	7-7-66	0455	319.87	319.00	-0.87
		319.92		- 3.93			319.80		-0.80

TABLE 13 Comparison of Continuous Analyzer and Flask Samples
at Mauna Loa Observatory

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	1	2	3	4	5
Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)	Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)
		Flask	Analyzer				Flask	Analyzer	
9-5-66	0700	317.12	315.40	-1.72	6-19-67	0700	320.69	319.85	-0.84
		317.12		-1.72			320.91		-1.06
10-1-66	0825	316.15	314.66	-1.49	7-6-67	0800	320.41	320.41	0.00
		316.15		-1.49			320.41		0.00
10-24-66	0630	316.04	314.21	-1.83	9-19-67	2220	316.40	314.89	-1.51
		315.97		-1.76			317.12		-2.23
11-25-66	0830	317.46	305.72	-11.74	10-5-67	0620	316.10	314.75	-1.35
		317.10		-11.38			317.83		-3.08
12-8-66	0850	318.13	317.34	-0.79	10-18-67	1830	318.20	316.79	-1.41
		318.13		-0.79	12-7-67	2220	318.60	317.56	-1.04
1-3-67	2200	319.08	317.53	-1.55			318.71		-1.15
		319.29		-1.76	12-18-67	0700	319.85	318.50	-1.35
2-1-67	2030	319.72	317.97	-1.75			320.23		-1.73
		319.50		-1.53	1-1-68	2215	320.12	318.10	-2.02
2-15-67	1000	320.42	319.26	-1.16			319.85		-1.75
		319.72		-0.46	1-19-68	0700	316.03	318.81	2.78
4-24-67	0640	321.98	319.83	-2.15	3-6-68	0745	322.56	321.96	-0.60
		322.19		-2.36			322.45		-0.49
5-20-67	2030	323.11	320.76	-2.35	3-20-68	0830	320.41	319.96	-0.45
		322.98		-2.22			320.41		-0.45
6-6-67	0815	322.18	321.44	-0.74	4-4-68	0640	321.92	320.76	-1.16
		321.98		-0.54			321.81		-1.05
					5-8-68	2130	322.86	321.38	-1.48
							323.09		-1.71

TABLE 13 Comparison of Continuous Analyzer and Flask Samples
at Mauna Loa Observatory

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	1	2	3	4	5
Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)	Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)
		Flask	Analyzer				Flask	Analyzer	
5-21-68	0830	322.94	321.16	-1.78	1-17-69	0858	321.05	320.11	-0.94
		323.17		-2.01			321.05		-0.94
7-8-68	1000	321.03	320.61	-0.40	1-30-69	0830	321.73	320.83	-0.90
		321.18		-0.57			321.59		-0.76
7-15-68	1015	320.42	319.92	-0.50	2-17-69	0855	321.05	320.70	-0.35
		320.38		-0.46			321.05		-0.35
7-30-68	0935	320.92	319.24	-1.68	2-27-69	0925	321.85	322.06	0.19
		319.52		-0.28			323.15		-1.09
8-23-68	0840	319.03	317.57	-1.46	3-19-69	0855	321.93	322.06	-0.11
		319.03		-1.46			322.39		-0.33
9-13-68	0745	317.65	316.35	-1.30	4-3-69	0900	322.84	322.63	-0.21
		317.80		-1.45			322.76		-0.13
9-30-68	0910	318.02	316.94	-1.08	4-15-69	0830	323.68	323.03	-0.65
		317.48		-0.54			324.13		-1.10
10-15-68	0852	317.94	316.55	-1.39	5-9-69	0800	325.02	324.22	-0.80
10-28-68	0825	316.87	316.49	-0.38			325.34		-1.12
		317.02		-0.53	5-16-69	0800	325.34	321.69	-3.65
11-12-68	0855	317.97	316.27	-1.70			325.88		-4.19
		317.74		-1.47	5-26-69	0825	324.87	324.09	-0.78
12-20-68	0925	320.06	320.04	-0.02			324.48		-0.39
		320.22		-0.18	6-20-69	1320	322.85	323.22	-0.37
							323.09		-0.13

TABLE 13 Comparison of Continuous Analyzer and Flask Samples
at Mauna Loa Observatory

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	1	2	3	4	5
Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)	Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)
		Flask	Analyzer				Flask	Analyzer	
6-30-69	0935	322.85	322.51	-0.34	1-16-70	0845	322.20	320.98	-1.22
		322.69		-0.18			321.89		-0.91
7-14-69	0800	322.53	321.62	-0.91	3-6-70	0815	323.40	322.21	-1.19
		322.07		-0.45			323.40		-1.19
8-6-69	1020	321.78	321.68	-0.10	3-17-70	0848	323.48	319.70	-3.78
		321.47		-0.20			323.56		-3.86
8-15-69	0830	320.02	320.07	-0.05	5-15-70	0850	324.88	323.24	-1.64
		320.19		-0.12			324.88		-1.64
8-27-69	0945	320.27	320.00	-0.27	5-25-70	1415	325.10	325.19	-0.09
		320.34		-0.34			325.10		-0.09
9-15-69	1017	319.09	319.33	-0.22	6-8-70	0855	326.12	324.63	-1.49
		319.39		-0.06	6-15-70	1350	324.21	325.89	1.68
10-17-69	1415	318.18	318.19	-0.01			324.14		1.75
		317.87		-0.32	7-2-70	0850	323.53	322.68	-0.85
11-3-69	0838	319.28	318.10	-1.18			323.45		-0.77
		319.52		-1.42	8-3-70	1415	320.10	320.21	0.11
11-17-69	0947	320.28	318.64	-1.64			320.10		0.11
		320.28		-1.64	8-12-70	1020	321.44	322.32	0.88
11-28-69	0840	321.36	320.65	-0.71			321.44		0.88
		320.97		-0.32	9-21-70	0915	320.29	319.13	-1.16
1-7-70	0915	324.10	321.67	-2.43			320.99		-1.86
		331.11		-9.44					

TABLE 13 Comparison of Continuous Analyzer and Flask Samples
at Mauna Loa Observatory

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	1	2	3	4	5
Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)	Date	Time LST	CO ₂ Concentration (ppm)		Departure (ppm)
		Flask	Analyzer				Flask	Analyzer	
10-5-70	1440	319.81	319.67	-0.14					
		319.66		-0.01					
10-19-70	0920	320.59	319.38	-1.21					
		320.13		-0.75					
11-13-70	1120	319.22	321.64	2.42					
		319.36		2.28					
11-23-70	0850	319.42	321.12	1.70					
		319.80		1.32					
12-7-70	0929	319.59	320.98	1.39					