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MAUNA LOA CARBON DIOXIDE PROJECT*

Report No. 6

Prepared by

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SCRIPPS INSTITUTION OF OCEANOGRAPHY

A Summary of data from January 1973 through December 1974

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(172)

I. Introduction

This report documents the observation of atmospheric carbon dioxide at Mauna Loa Observatory, Hawaii, for the years 1973 and 1974.

During the latter half of both these years, the analyzer functioned badly, necessitating changes in the experimental method as described by Pales and Keeling*. Data recovery during the latter half of 1974 was aided by daily RSF measurements, begun 11 December 1973. CO₂ values calculated from daily RSF measurements and the usual weekly tank-day calibrations were compared over the period 11 Dec. 1973 to 31 May 1974 and found to differ negligibly.

Three different air lines were used after October 1973. Differences in data from the three lines have been examined and found to be small.

Tables are numbered as much as possible in conformity to Reports 4 and 5. Table 10, which lists twelve month running means of CO₂ data in Reports 4 and 5, has not been included. Tables i through iii are related to changes in data handling for this report. Table iv is a comparison of data from different air lines.

II. Instrument Malfunction

The first evidence of malfunction occurred on 2 June 1973 when the zero position of the strip chart trace abruptly changed position (several cm in a few minutes). The recorder scale factor (RSF) also apparently changed, as indicated by a corresponding jump in the air-working tank

*Pales, J.C., and C.D. Keeling, J. Geophys. Res. 70, 6053-6076 (1965).

differences. The zero position of the trace returned to its previous position about thirty minutes later. This episode was typical of others which followed during the summer and fall. On 6 September, David Moss, of Scripps Institution of Oceanography, went to Mauna Loa to repair the analyzer. He worked on the analyzer until 20 September, during which time there was very little usable data. After Moss left, the analyzer was still malfunctioning. The zero and RSF occasionally shifted abruptly, and in addition, the trace was so noisy that it often could not be lined out. John Chin and other NOAA personnel worked on the analyzer frequently. On 5 December Moss returned, found some bad electrical components, and on 11 December, 1973 restored the analyzer to normal operation.

The analyzer continued to work normally until the night of 31 May, 1974 when there was again a large, sudden zero position change, possibly caused by overheating of the analyzer. For the remainder of 1974, the analyzer was unstable, changing between RSF regimes differing by a factor of 2, or even 3. Moss worked on the analyzer from 10 to 16 July, 1974, but failed to correct the stability problem. Normal operation was not restored until January 1975 when Moss replaced the entire analyzer (except for the optical bench and thermal control unit) with one from Scripps Institution of Oceanography.

III. Daily RSF Measurements

Little data could have been recovered with confidence during the period of instability beginning 1 June 1974 were it not for the daily

RSF measurements. Equipment that automatically initiates jogs between standard tanks was put into operation on 11 December 1973. Beginning on 1 January 1974, CO₂ values are based on the daily RSF measurements. The period of normal operation, 11 December 1973 to 31 May 1974, was used to compare results with the standard tank day RSF calibration method (see Table i). The differences are negligible.

Table i

After August 1974, there were ordinarily two calibrations per day; one at 2 a.m. and one at 2 p.m. We used the 2 a.m. measurement for data between 8 p.m. of the preceding day and 8 a.m., and the 2 p.m. measurement for data between 8 a.m. and 8 p.m. Before August, the 2 p.m. measurement was usually missing. Until 7 August 1974, we used the 2 a.m. RSF in place of the 2 p.m. RSF if the 2 p.m. RSF was missing, but if one of the RSF measurements was missing after August 7, the corresponding data was treated as missing. This facilitated data recovery during the latter half of 1974 when the RSF of the analyzer often changed.

IV. Recovery of Data During Periods of Malfunction

The recorder traces from the two periods when the analyzer was working poorly were carefully examined. Data was retained only if the analyzer was reasonably stable and the RSF known.

From 6 September to 11 December 1973, some calibrations (other than the usual tank day calibrations) were used to determine the RSF so that more data could be retained (see Table 3b). Data were excluded by leaving it outside an RSF interval (see Table 3c).

Table 3b

Table 3c

After 1 June 1974, RSF changes were frequent and large. Data which would be assigned an incorrect RSF by the rules of Section III were excluded by leaving it outside an RSF interval. The effect on the monthly averages of this selection was very small (Table iii). Table iii

In Table ii the data treatment is summarized.

V. Rejected Calibrations

Several of the standard tank day calibrations have been rejected, and results from these are not included in the Tables and Figures.

(1) A triangle computed RSF on 6 March 1973 was rejected because not enough time was allowed for warm up after the thermo-control unit on the analyzer was repaired.

(2) Both RSF's were rejected on 27 June 1973 because the analyzer was malfunctioning during the calibration.

(3) Both RSF's were rejected on 20 September 1973 because they were isolated from air data by work performed on the analyzer.

(4) Both RSF's were rejected on ^{30 (probably)} 30 October 1973 because they were significantly below the RSF's determined on closely preceding and following days.

(5) ³ A triangle RSF on 25 July 1974 was rejected because the zero shifted abruptly after its measurement.

VI. Comparison of Air Lines

Since October 1973, three air lines have been in use. By comparing data, we hope to learn if there is any contamination from local sources

of CO₂. Line A₂ is located relatively near the station and high above ground (approximately 100 feet SW of the station and about 75 feet from the ground). Line C is upslope from the station and also high above ground (about 400 feet SE of the station and 50 feet from the ground). Line D is downslope and away from the station, but close to the ground (about 1000 feet NW and 15 feet from the ground).

The analyzer sequence, beginning on the hour or half hour, is: ten minutes of A₂, ten minutes of C or D, and ten minutes of working tank gas. Line D is recorded from 8 a.m. to 6 p.m. and line C from 6 p.m. to 8 a.m. the following day. Consequently, data from C is recorded during the night when winds are predominately downslope, and data from D is recorded during the day when winds are predominately upslope.

If A₂ were higher than D during the day, one might suspect that A₂ was sampling air contaminated with CO₂ from the station. However, between 8 a.m. and 6 p.m., A₂ is about 0.13 ppm less than D, on the average (Table iv). This small difference is probably significant. (The average Table iv value of D for each month is always greater than or equal to that of A₂ during the time D is recorded). The cause of the difference is not understood at this time. Line C is also, on the average, slightly higher than A₂, but the difference, .04 ppm, is very small.

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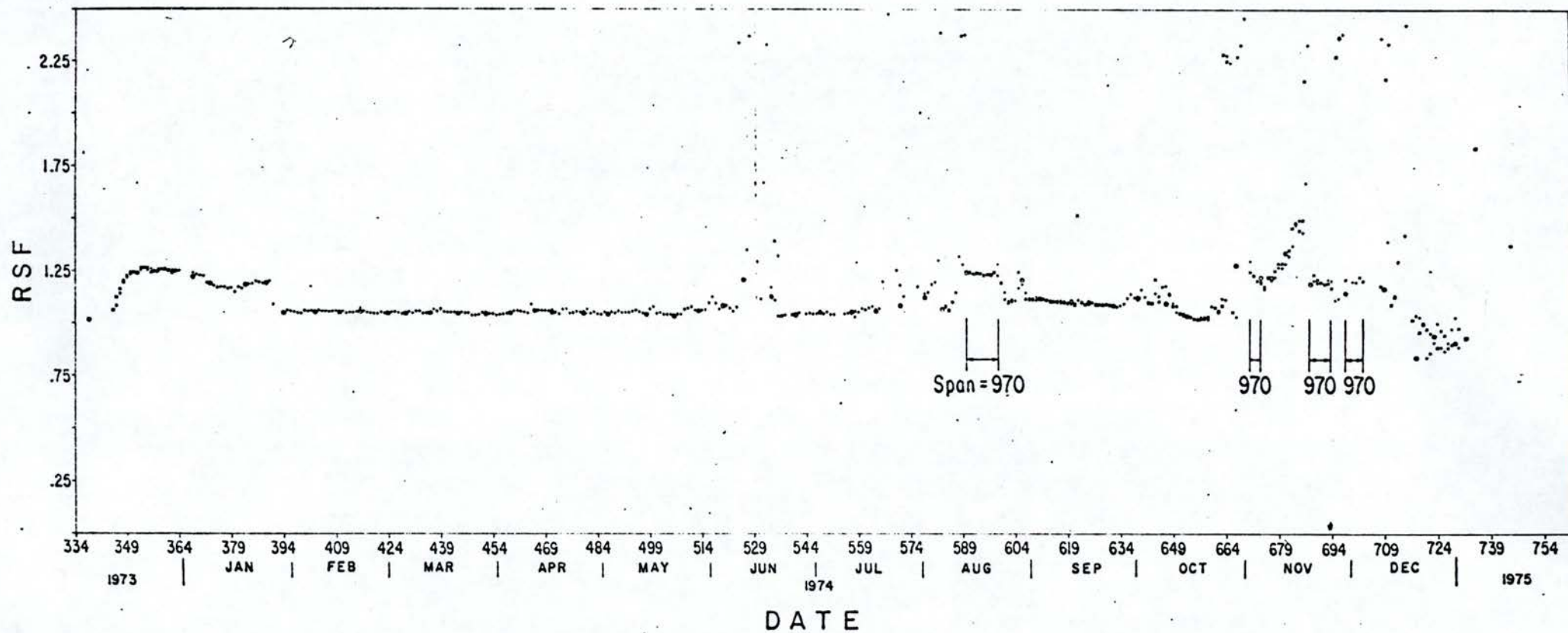


Figure 1. Daily Recorder Scale Factors: +, 2 a.m. measurement; x 2 p.m. measurement. Tank Day Recorder Scale Factors are encircled. The numbers along the abscissa are day relative to 1 Jan. 1973. The span was 485 except where noted.

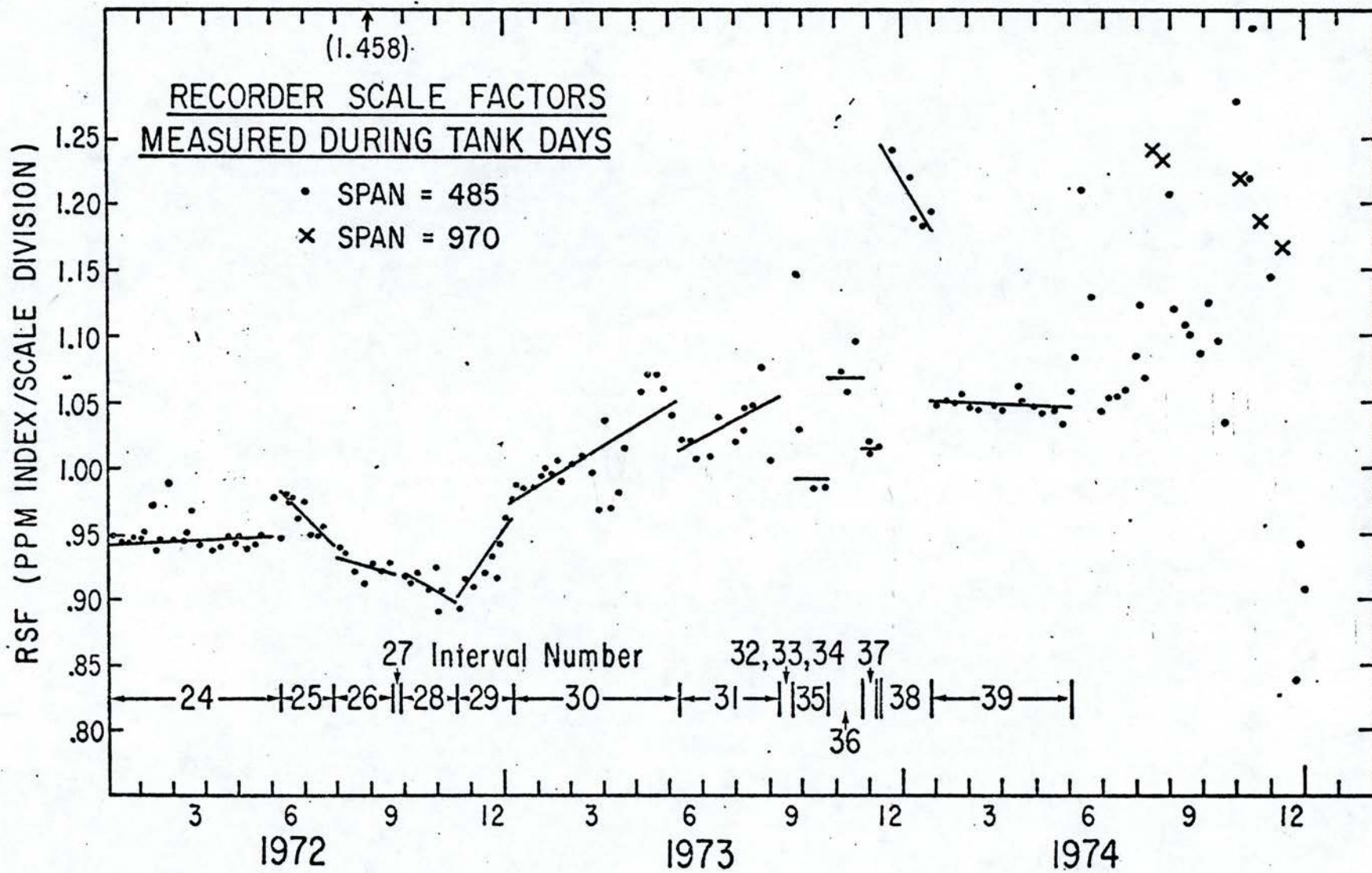


Figure 2. Tank Day Recorder Scale Factors.

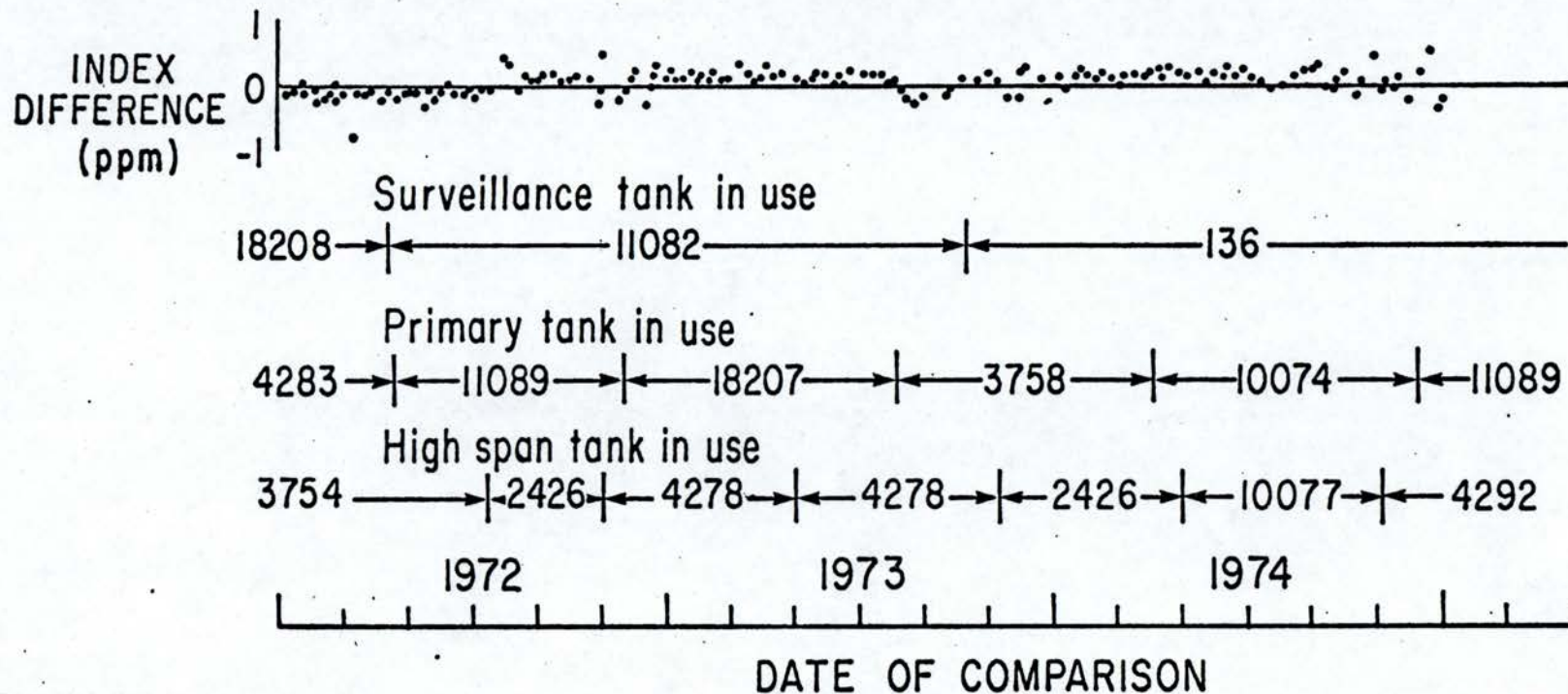


Figure 3. Index Difference (Mauna Loa minus Scripps) for Surveillance Tank Determinations.

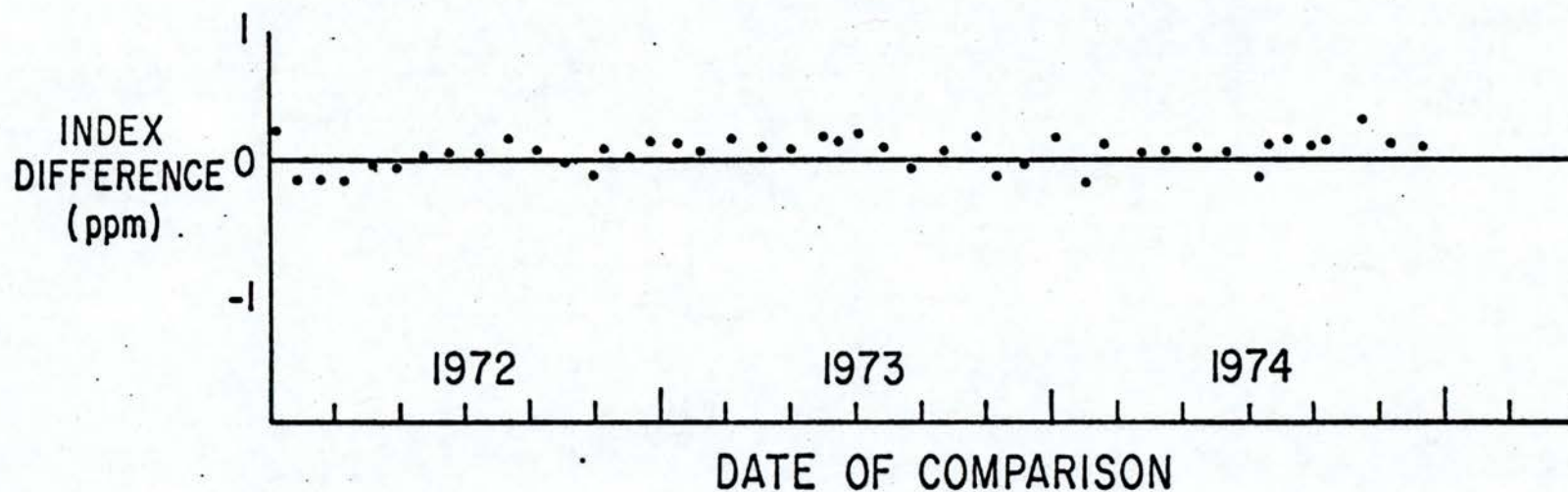


Figure 4. Index Difference (Mauna Loa minus Scripps) for Working Gas Tank Determinations.

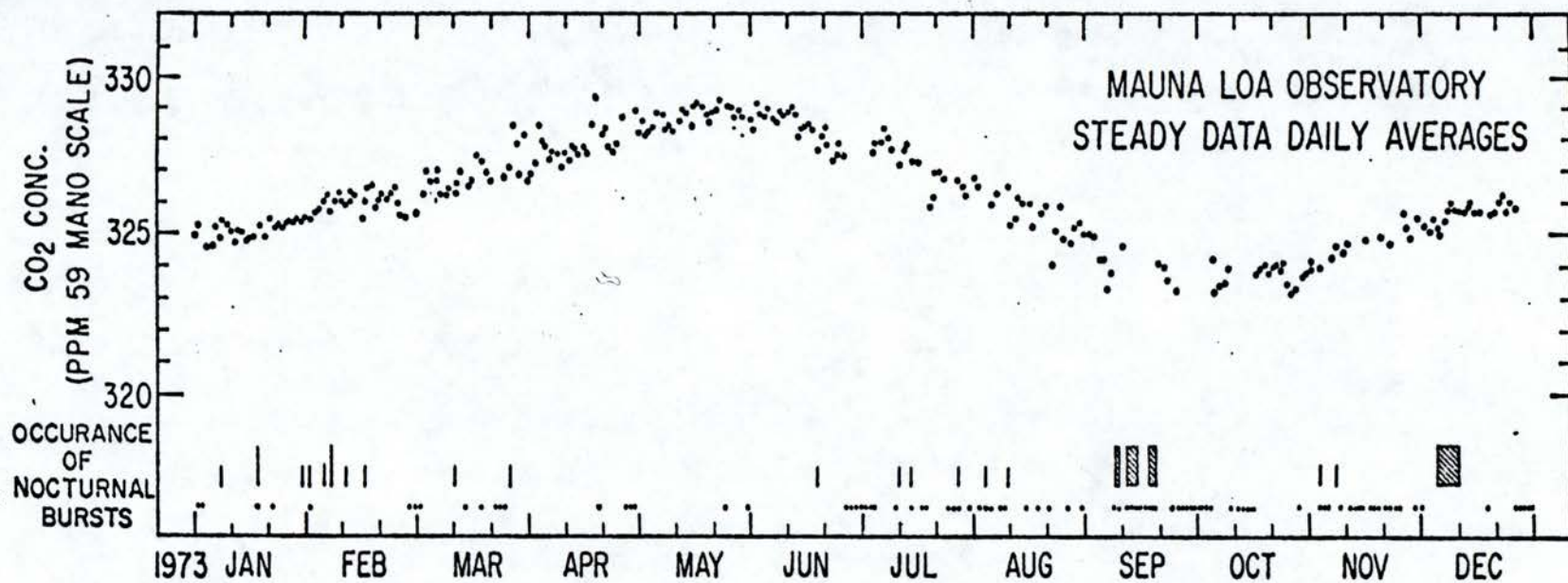


Figure 5. Daily Average CO₂ Concentration at Mauna Loa, 1973. Values are on the 1959 Manometric Scale.

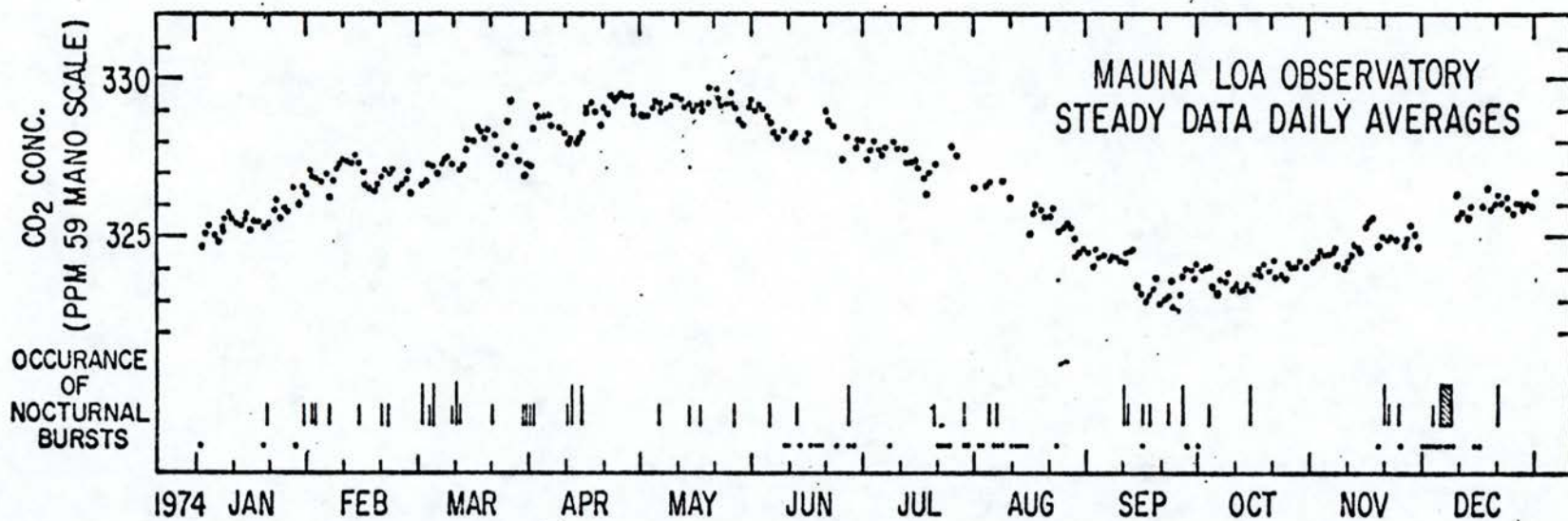


Figure 6. Daily Average CO₂ Concentration at Mauna Loa, 1974. Values are on the 1959 Manometric Scale.

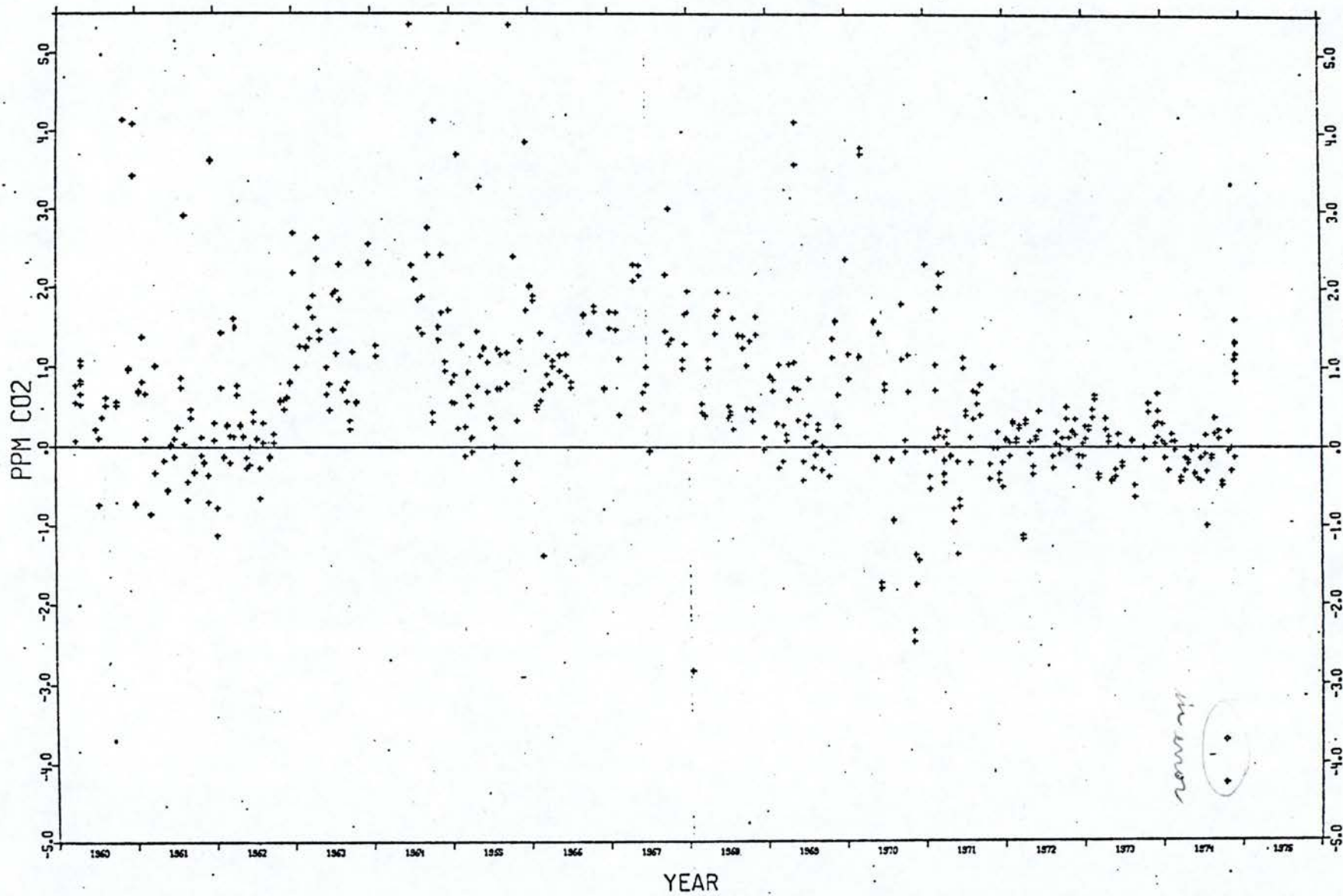


Figure 7. Difference in Atmospheric CO₂ Concentration (59 Manometric) at Mauna Loa, Flasks minus Continuous Analyzer.

TABLE i. Comparison of Data Reduced Using Daily RSF Measurements and Tank Day RSF Measurements

<u>Date</u>	ALL DATA		STEADY DATA	
	<u>Daily RSF</u>	<u>Tank Day RSF</u>	<u>Daily RSF</u>	<u>Tank Day RSF</u>
DEC 73*	324.87	324.89	324.86	324.86
JAN 74	325.66	325.67	325.68	325.69
FEB 74	326.85	326.83	326.94	326.92
MAR 74	327.73	327.71	327.67	327.66
APR 74	328.82	328.78	328.86	328.82
MAY 74	329.11	329.03	329.19	329.10

*Includes data only after 11th of month
Values are on the 1959 manometric scale

TABLE ii. Summary of Data Treatment

Date	
1 Jan. - 1 June, 1973	Normal
2 June - 5 Sept., 1973	Occasional sudden shifts in zero position accompanied apparent changes in RSF. The zero position might shift by 2 to 10 cm over 1 to 2 minutes. After a "zero shift", the RSF appeared to differ significantly (for a large shift, by a factor of 2 or 3). The data for which the RSF is uncertain or unknown has been treated as missing.
6 Sept. - 20 Sept., 1973	David Moss worked on the analyzer. RSF intervals have been chosen so as to include only data for which there was an acceptable RSF measurement.
20 Sept. - 5 Dec., 1973	The "zero shift" problem continued, and in addition, the trace became noisy. NOAA personnel frequently worked on the analyzer. Only data which could be lined out with reasonable certainty, and for which there was a calibration not separated from the data by a change in the analyzer, was included in RSF intervals.
6 - 11 Dec., 1973	David Moss worked on the analyzer and no data was recovered.
11 - 31 Dec., 1973	Normal
1 Jan. - 31 May, 1974	Normal except that daily RSF's were used according to the following rule: 8 p.m. to 8 a.m. data - 2 a.m. RSF; 8 a.m. to 8 p.m. data - 2 p.m. RSF, if present, otherwise, 2 a.m. RSF. If 2 a.m. RSF were not present, the data to which it would be assigned was considered to be missing.
1 June - 31 Dec., 1974	Analyzer was unstable and RSF changes were frequent. Daily RSF's have been used according to the rule above up to 7 Aug., 1974. After 7 Aug., 1974, if the 2 p.m. RSF was not measured, the data from 8 a.m. to 8 p.m. was considered to be missing. The traces were examined and data that would be assigned an incorrect RSF by this prescription was eliminated by excluding it from an RSF interval.

TABLE iii . Comparison of Selected and Unselected Data During Period
of Analyzer Malfunction in 1974

<u>Date</u>	<u>ALL DATA</u>		<u>STEADY DATA</u>	
	<u>Unselected</u>	<u>Selected</u>	<u>Unselected</u>	<u>Selected</u>
JUN 74	328.33	328.38	328.23	328.43
JUL 74	327.15	327.28	327.42	327.50
AUG 74	325.08	325.04	325.54	325.41
SEP 74	323.60	323.60	323.76	323.76
OCT 74	323.60	323.53	323.77	323.72
NOV 74	324.66	324.63	324.65	324.62
DEC 74	325.69	325.71	325.86	325.89

Values are on the 1959 manometric scale

TABLE iv. Comparison of Data from Different Air Lines

Month	ALL DATA		STEADY DATA		ALL DATA		STEADY DATA	
	A_2 at Time of C	C	A_2 at Time of C	C	A_2 at Time of D	D	A_2 at Time of D	D
OCT. 73	323.61	323.74	323.52	323.61	323.70	323.91	323.66	323.66
NOV 73	324.58	324.72	324.42	324.53	324.81	324.85	324.64	324.74
DEC 73	324.90	325.07	324.86	325.00	324.92	324.99	324.89	324.97
JAN 74	325.62	325.72	325.61	325.69	325.63	325.63	325.71	325.74
FEB 74	326.87	326.90	326.92	326.94	326.67	326.86	326.89	327.00
MAR 74	327.70	327.82	327.66	327.69	327.56	327.79	327.60	327.76
APR 74	328.88	328.95	328.86	328.91	328.56	328.78	328.77	328.92
MAY 74	329.20	329.18	329.21	329.17	328.93	329.04	329.11	329.23
JUN 74	328.41	328.43	328.46	328.43	328.29	328.40	328.46	328.53
JUL 74	327.37	327.41	327.47	327.49	327.11	327.13	327.59	327.63
AUG 74	325.28	325.30	325.40	325.42	324.30	324.52	325.19	325.42
SEP 74	323.63	323.67	323.73	323.76	323.38	323.59	323.75	323.97
OCT 74	323.57	323.66	323.68	323.75	323.19	323.38	323.51	323.82
NOV 74	324.67	324.68	324.62	324.63	324.63	324.71	324.69	324.79
DEC 74	325.78	325.74	325.92	325.85	325.67	325.83	325.87	326.00
Av:	326.00	326.07	326.02	326.06	325.82	325.96	326.02	326.15

Values are on the 1959 manometric scale

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
11089	18208	-9.60	10	.97366	309.64	544	6 26 72
3754	11082	-10.70	10		330.38	544	
11089	11082	11.70	10		330.38	544	
11089	3754	22.40	10			544	
11089	4290	2.60	10		321.52	544	
11089	18208	-10.00	10	.94388	309.50	545	7 5 72
3754	11082	-10.90	10		330.46	545	
11089	11082	11.97	10		330.35	545	
11089	3754	23.10	10			545	
11089	4290	2.70	10		321.55	545	
11089	18208	-9.93	10	.94388	309.57	546	7 10 72
3754	11082	-10.97	10		330.39	546	
11089	11082	12.00	10		330.38	546	
11089	3754	23.00	10			546	
11089	4290	2.70	10		321.55	546	
11089	18208	-10.00	10	.95508	309.44	547	7 13 72
2426	11082	-8.33	10		330.38	547	
11089	11082	11.89	10		330.35	547	
11089	2426	20.30	10			547	
11089	4290	2.70	10		321.57	547	
11089	11076	1.20	10		320.14	547	
11089	18208	-10.60	6	.93788	309.05	548	7 31 72

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
2426	11082	-8.50	8		330.37	548	
11089	11082	12.60	9		330.81	548	
11089	2426	20.21	10			548	
11089	11076	1.30	10		320.21	548	
11089	18208	-10.20	7	.93637	309.44	549	8 3 72
2426	11082	-8.30	8		330.57	549	
11089	11082	12.53	10		330.72	549	
11089	2426	20.50	10			549	
11089	11076	1.40	10		320.30	549	
11089	18208	-10.30	10	.92128	309.51	550	8 11 72
2426	11082	-8.64	9		330.39	550	
11089	11082	12.32	10		330.33	550	
11089	2426	21.10	9			550	
11089	11076	1.40	10		320.28	550	
11089	4277	1.00	10		319.91	550	
11089	18208	-10.50	10	.91188	309.42	551	8 21 72
2426	11082	-8.58	10		330.52	551	
11089	11082	12.60	10		330.48	551	
11089	2426	21.26	10			551	
11089	4277	1.37	10		320.24	551	
11089	6052	18.70	9	.92602	336.31	552	8 25 72
2426	11082	-8.60	10		330.38	552	

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
11089	11082	12.40	9		330.47	552	
11089	2426	20.78	9			552	
11089	4277	1.29	9		320.18	552	
11089	6052	18.60	10	.92517	336.20	553	8 31 72
2426	11082	-8.60	10		330.38	553	
11089	11082	12.42	10		330.48	553	
11089	2426	20.81	10			553	
11089	4277	1.20	10		320.10	553	
11089	6052	18.93	10	.92033	336.41	554	9 6 72
2426	11082	-8.48	10		330.54	554	
11089	11082	12.47	10		330.47	554	
11089	2426	21.10	10			554	
11089	4277	1.31	10		320.20	554	
11089	2418	2.45	10		321.24	554	
11089	6052	18.80	10	.92850	336.45	555	9 15 72
2426	11082	-8.59	10		330.36	555	
11089	11082	12.45	10		330.55	555	
11089	2426	20.64	10			555	
11089	2418	2.34	10		321.16	555	
11089	6052	11.92	10	1.45763	336.36	556	9 21 72
2426	11082	-5.39	10		330.48	556	
11089	11082	7.80	10		330.36	556	

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
11089	2426	13.36	10			556	
11089	2418	1.60	10		321.32	556	
11089	6052	19.07	10	.91706	336.48	557	9 27 72
2426	11082	-8.60	10		330.45	557	
11089	11082	12.53	10		330.48	557	
11089	2426	21.07	10			557	
11089	2418	2.30	10		321.10	557	
11089	6052	19.20	10	.91317	336.52	558	10 2 72
2426	11082	-8.58	10		330.51	558	
11089	11082	12.60	10		330.50	558	
11089	2426	21.20	10			558	
11089	2418	2.60	10		321.36	558	
11089	4296	1.40	10		320.27	558	
11089	6052	18.88	10	.92155	336.37	559	10 10 72
2426	11082	-8.50	10		330.52	559	
11089	11082	12.44	10		330.44	559	
11089	2426	21.10	10			559	
11089	4296	1.50	10		320.37	559	
11089	6052	19.10	10	.90802	336.33	560	10 18 72
2426	11082	-8.65	10		330.49	560	
11089	11082	12.50	10		330.34	560	
11089	2426	21.47	10			560	

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
11089	4296	1.60	10		320.44	560	
11089	6052	18.37	10	.92429	335.97	561	10 25 72
2426	11082	-8.87	10		330.14	561	
11089	11082	12.00	10		330.08	561	
11089	2426	21.00	10			561	
11089	4296	1.44	10		320.32	561	
11089	6052	19.40	10	.89211	336.30	562	10 27 72
2426	11082	-8.94	10		330.36	562	
11089	11082	12.84	10		330.44	562	
11089	2426	21.60	10			562	
11089	4296	1.42	10		320.26	562	
11089	11081	3.56	10		322.17	562	
11089	6052	17.63	10	.90595	334.96	563	11 1 72
4278	11082	-8.59	10		330.86	563	
11089	11082	11.56	10		329.46	563	
11089	4278	21.69	10			563	
11089	11081	3.50	10		322.16	563	
11089	6052	20.56	10	#		564	11 7 72
4278	11082	-9.23	10			564	
11089	11082	13.46	9			564	
11089	4278	22.25	10			564	
11089	11081	3.99	10			564	

ALL CALIBRATION RUNS REJECTED

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
11089	6052	18.94	10	#		565	11 9 72
4278	11082	-9.71	10			565	
11089	11082	12.51	10			565	
11089	4278	23.20	10			565	
11089	11081	4.30	10			565	
11089	4295	2.60	10			565	
11089	6052	19.00	10	.89217	335.94	566	11 14 72
4278	11082	-9.20	10		330.43	566	
11089	11082	12.55	9		330.19	566	
11089	4278	22.30	10			566	
11089	4295	2.30	10		321.04	566	
11089	6052	19.02	10	.91459	336.39	567	11 20 72
4278	11082	-9.08	10		330.34	567	
11089	11082	12.38	10		330.31	567	
11089	4278	21.51	10			567	
11089	4295	2.21	10		321.01	567	
11089	6052	18.91	10	.91014	336.20	568	11 27 72
4278	11082	-8.97	10		330.48	568	
11089	11082	12.58	10		330.44	568	
11089	4278	21.63	10			568	
11089	4295	2.20	10		320.99	568	
18207	6052	19.92	9	.93315	336.41	569	12 1 72

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB)		OBSERVED	NO. OF	RECORDER			
STANDARD TANK NO.	COMPARED TANK NO.	SCALE DIFFERENCE	COMPARISONS	SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
4278	11082	-8.64	10		330.58	569	
18207	11082	13.61	10		330.52	569	
18207	4278	22.38	9			569	
18207	4295	3.40	10		320.99	569	
18207	4276	2.48	10		320.13	569	
18207	6052	20.11	10	.91921	336.31	570	12 8 72
4278	11082	-8.57	10		330.76	570	
18207	11082	13.29	10		330.04	570	
18207	4278	22.65	10			570	
18207	4276	2.77	10		320.37	570	
18207	6052	20.21	10	.93447	336.71	571	12 14 72
4278	11082	-8.82	10		330.40	571	
18207	11082	13.44	10		330.38	571	
18207	4278	22.28	10			571	
18207	4276	2.51	10		320.17	571	
18207	6052	20.23	10	.91537	336.34	572	12 19 72
4278	11082	-8.93	10		330.47	572	
18207	11082	13.93	10		330.57	572	
18207	4278	22.63	10			572	
18207	4276	2.61	10		320.21	572	
18207	6052	19.65	10	.94336	336.36	573	12 22 72
4278	11082	-8.60	10		330.53	573	

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
18207	11082	13.61	10		330.66	573	
18207	4278	21.93	10			573	
18207	4276	2.62	10		320.29	573	
18207	10074	2.76	10		320.42	573	
18207	6052	19.23	10	.96055	336.29	574	12 28 72
4278	11082	-8.59	10		330.39	574	
18207	11082	13.18	10		330.48	574	
18207	4278	21.58	10			574	
18207	10074	2.69	10		320.40	574	
18207	6052	19.00	10	.97632	336.37	575	1 3 73
4278	11082	-8.30	10		330.54	575	
18207	11082	12.95	10		330.46	575	
18207	4278	21.40	10			575	
18207	10074	2.74	10		320.50	575	
18207	6052	18.81	10	.98700	336.39	576	1 8 73
4278	11082	-8.27	10		330.48	576	
18207	11082	12.72	9		330.37	576	
18207	4278	21.21	9			576	
18207	10074	2.58	10		320.37	576	
18207	6052	18.63	10	.98579	336.19	577	1 15 73
4278	11082	-8.34	10		330.42	577	
18207	11082	12.85	10		330.49	577	

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
18207	4278	21.05	10			577	
18207	10074	2.71	10		320.49	577	
18207	4286	5.02	10		322.77	577	
18207	6052	18.64	10	.98533	336.19	578	1 24 73
4278	11082	-8.32	10		330.44	578	
18207	11082	12.93	10		330.56	578	
18207	4278	21.01	10			578	
18207	4286	5.16	10		322.90	578	
18207	6052	18.64	10	.98790	336.23	579	1 30 73
4278	11082	-8.30	10		330.44	579	
18207	11082	12.84	10		330.50	579	
18207	4278	21.01	10			579	
18207	4286	5.14	10		322.90	579	
18207	6052	18.62	9	1.00144	336.47	580	2 5 73
4278	11082	-8.16	10		330.47	580	
18207	11082	12.67	10		330.51	580	
18207	4278	20.75	10			580	
18207	4286	5.07	9		322.90	580	
18207	6052	18.57	10	.99712	336.34	581	2 9 73
4278	11082	-8.20	10		330.46	581	
18207	11082	12.69	10		330.47	581	
18207	4278	20.87	10			581	

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
18207	4286	4.98	10		322.79	581	
18207	2407	5.23	10		323.03	581	
18207	6052	18.42	10	1.00604	336.35	582	2 15 73
4278	11082	-8.16	9		330.43	582	
18207	11082	12.63	10		330.53	582	
18207	4278	20.60	10			582	
18207	2407	5.17	10		323.02	582	
18207	6052	18.55	10	.99143	336.21	583	2 22 73
4278	11082	-8.23	10		330.48	583	
18207	11082	12.69	10		330.40	583	
18207	4278	21.08	10			583	
18207	2407	5.20	10		322.98	583	
18207	6052	18.36	10	1.00456	336.26	584	2 28 73
4278	11082	-8.15	10		330.45	584	
18207	11082	12.60	10		330.48	584	
18207	4278	20.70	10			584	
18207	2407	5.08	10		322.92	584	
18207	6052	18.52	8	1.00774	336.48	585	3 6 73
4278	11082	-8.79	7		329.78	585	
18207	11082	12.70	3		330.62	585	
18207	4278	20.66	8			585	
18207	2407	5.18	10		323.04	585	

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
18207	2419	5.15	8		323.01	585	
18207	6052	18.60	10	.99593	336.34	586	3 16 73
4278	11082	-8.21	10		330.46	586	
18207	11082	12.77	10		330.54	586	
18207	4278	20.63	10			586	
18207	2419	5.24	10		323.04	586	
18207	6052	18.97	10	.96337	336.19	587	3 21 73
4278	11082	-8.45	10		330.46	587	
18207	11082	12.97	10		330.38	587	
18207	4278	21.58	10			587	
18207	2419	5.33	10		322.98	587	
18207	6052	18.40	9	1.03662	336.89	588	3 29 73
4278	11082	-7.89	10		330.46	588	
18207	11082	12.23	7		330.50	588	
18207	4278	20.04	8			588	
18207	2419	4.94	7		322.94	588	
18207	6052	19.18	10	.96359	336.40	589	4 5 73
4278	11082	-8.32	9		330.58	589	
18207	11082	13.27	10		330.67	589	
18207	4278	21.39	9			589	
18207	2419	5.21	9		322.87	589	
18207	3756	5.25	10		322.91	589	

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
18207	6052	18.83	10	.98068	336.29	590	4 10 73
4278	11082	-8.25	10		330.55	590	
18207	11082	12.96	10		330.53	590	
18207	4278	21.25	10			590	
18207	3756	5.44	10		323.15	590	
18207	6052	18.25	10	1.01561	336.35	591	4 17 73
4278	11082	-8.00	10		330.52	591	
18207	11082	12.42	10		330.43	591	
18207	4278	20.58	10			591	
18207	3756	5.20	10		323.10	591	
18207	6052	17.48	8	1.05936	336.34	593	5 1 73
4292	11082	-7.33	10		330.44	593	
18207	11082	11.96	10		330.49	593	
18207	4292	19.20	9			593	
18207	3756	5.04	10		323.16	593	
18207	34803	4.59	10		322.68	593	
18207	6052	17.27	10	1.07062	336.31	594	5 10 73
4292	11082	-7.28	10		330.42	594	
18207	11082	11.80	10		330.45	594	
18207	4292	19.01	10			594	

TABLE 1. REFERENCE GAS COMPARISONS AT MAUNA LOA

1	2	3	4	5	6	7	8
(SUB) STANDARD TANK NO.	COMPARED TANK NO.	OBSERVED SCALF DIFFERENCE	NO. OF COMPARI- SONS	RECORDER SCALE FACTOR	COMPUTED INDEX	SHEET NO.	DATE OF ANALYSIS
18207	34803	4.60	10		322.74	594	
18207	6052	17.03	10	1.07119	336.06	595	5 16 73
4292	11082	-7.20	10		330.50	595	
18207	11082	11.72	10		330.37	595	
18207	4292	19.15	10			595	
18207	34803	4.70	10		322.85	595	
18207	6052	17.30	10	1.06143	336.18	596	5 23 73
4292	11082	-7.19	10		330.58	596	
18207	11082	11.99	10		330.55	596	
18207	4292	19.24	10			596	
18207	34803	4.60	10		322.70	596	
18207	6052	17.61	10	1.04190	336.17	597	5 29 73
4292	11082	-7.35	10		330.55	597	
18207	11082	12.09	10		330.42	597	
18207	4292	19.70	10			597	
18207	34803	4.70	10		322.72	597	
18207	34816	4.48	10		322.49	597	
18207	6052	18.32	10	1.01443	336.40	598	6 6 73
4292	11082	-7.66	9		330.44	598	
18207	11082	12.42	10		330.42	598	
18207	4292	20.12	10			598	
18207	34816	4.55	10		322.44	598	

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
18207	6052	17.93	10	1.02128	336.13	599	6 11 73
4292	11082	-7.51	10		330.54	599	
18207	11082	12.45	10		330.53	599	
18207	4292	19.97	10			599	
18207	34816	4.56	10		322.48	599	
18207	6052	18.18	10	1.02129	336.39	600	6 14 73
4292	11082	-7.61	10		330.44	600	
18207	11082	12.37	10		330.45	600	
18207	4292	19.95	10			600	
18207	34816	4.51	10		322.43	600	
18207	35316	4.47	10		322.39	600	
18207	6052	18.13	10	1.00692	336.08	601	6 22 73
4292	11082	-7.55	10		330.61	601	
18207	11082	12.60	10		330.51	601	
18207	4292	20.35	10			601	
18207	35316	4.42	10		322.27	601	
18207	6052	14.29	10			602	
4292	11082	-5.80	10			602	
18207	11082	9.43	10			602	
18207	4292	15.26	9			602	
18207	35316	3.63	10			602	
18207	6052	18.27	10	1.00366	336.25	603	7 2 73

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
4292	11082	-7.61	10		330.53	603	
18207	11082	12.55	10		330.48	603	
18207	4292	20.27	10			603	
18207	35316	4.55	10		322.41	603	
18207	35394	4.37	10		322.23	603	
18207	6052	17.79	10	1.03925	336.31	604	7 11 73
4292	11082	-7.39	10		330.53	604	
18207	11082	12.15	10		330.45	604	
18207	4292	19.70	10			604	
18207	35394	4.22	10		322.21	604	
18207	6052	17.77	10	1.03162	336.15	605	7 16 73
4292	11082	-7.56	10		330.41	605	
18207	11082	12.31	10		330.52	605	
18207	4292	19.66	10			605	
18207	35394	4.26	10		322.21	605	
18207	35316	4.36	10		322.32	605	
18207	6052	18.44	10	1.02001	336.63	606	7 25 73
4292	11082	-7.60	10		330.46	606	
18207	11082	12.39	10		330.46	606	
18207	4292	19.99	10			606	
18207	35394	4.31	9		322.22	606	
18207	34940	3.27	10		321.16	606	
3758	6052	17.86	10	1.03044	336.30	607	8 3 73

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
4292	11082	-7.51	8		330.47	607	
3758	11082	12.19	10		330.46	607	
3758	4292	19.72	10			607	
3758	34940	3.31	10		321.31	607	
3758	6052	17.26	10	1.04718	335.97	608	8 8 73
4292	11082	-7.51	10		330.35	608	
3758	11082	11.86	10		330.32	608	
3758	4292	19.42	10			608	
3758	34940	3.31	8		321.37	608	
3758	6052	18.23	9	1.04799	337.00	609	8 13 73
4292	11082	-7.57	10		330.28	609	
3758	11082	11.77	10		330.23	609	
3758	4292	19.42	10			609	
3758	34940	3.25	10		321.31	609	
3758	6052	17.71	9	1.07831	337.00	610	8 23 73
4292	11082	-7.48	9		330.14	610	
3758	11082	11.71	10		330.53	610	
3758	4292	18.48	10			610	
3758	34940	3.05	10		321.19	610	
3758	35299	2.95	10		321.08	610	
3758	6052	18.71	9	1.00495	336.70	611	8 29 73
4292	11082	-7.91	9		330.26	611	

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
3758	11082	12.25	10		330.21	611	
3758	4292	20.26	10			611	
3758	35299	3.29	10		321.21	611	
3758	6052	16.24	10	1.14294	336.46	612	9 20 73
4292	11082	-6.95	10		330.27	612	
3758	11082	10.90	7		330.36	612	
3758	4292	17.69	10			612	
3758	35299	2.80	10		321.10	612	
3758	35370	3.51	10		321.91	612	
3758	6052	17.89	8	1.02964	336.32	613	9 24 73
4292	11082	-7.68	10		330.30	613	
3758	11082	12.23	10		330.49	613	
3758	4292	19.52	9			613	
3758	35370	4.03	10		322.05	613	
3758	6052	18.62	10	.98497	336.24	614	10 9 73
4292	136	-8.87	10		329.47	614	
3758	136	11.78	10		329.50	614	
3758	4292	20.59	10			614	
3758	35370	4.23	10		322.07	614	
3758	6052	18.51	10	.98497	336.13	615	10 18 73
4292	136	-8.82	10		329.52	615	
3758	136	11.70	9		329.42	615	

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
3758	4292	20.72	10			615	
3758	11092	0	10		317.90	615	
3758	35370	4.24	10		322.08	615	
3758	6052	17.30	10	1.07205	336.45	616	10 30 73
4292	136	-8.03	10		329.60	616	
3758	136	10.94	10		329.63	616	
3758	4292	18.92	10			616	
3758	11092	0	10		317.90	616	
3758	6052	17.33	10	1.05745	336.23	617	11 8 73
2426	136	-8.35	10		329.50	617	
3758	136	10.94	10		329.47	617	
3758	2426	19.35	10			617	
3758	11092	0	10		317.90	617	
3758	35234	3.42	10		321.52	617	
3758	6052	17.00	10	1.09392	336.50	618	11 15 73
2426	136	-8.30	8		329.25	618	
3758	136	10.38	10		329.25	618	
3758	2426	18.67	7			618	
3758	35234	3.09	9		321.28	618	
3758	6052	18.10	5	1.02137	336.39	619	11 27 73
2426	136	-8.90	5		329.24	619	
3758	136	11.40	3		329.54	619	

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
3758	2426	19.79	7			619	
3758	35234	2.98	5		320.94	619	
3758	6052	18.21	8	1.01152	336.32	620	11 29 73
2426	136	-8.56	8		329.67	620	
3758	136	11.59	9		329.62	620	
3758	2426	20.24	10			620	
3758	35234	3.41	9		321.35	620	
3758	6052	18.44	8	1.01566	336.63	621	12 4 73
2426	136	-8.49	8		329.71	621	
3758	136	11.44	5		329.52	621	
3758	2426	20.30	8			621	
3758	35234	3.64	8		321.60	621	
3758	35260	3.42	6		321.37	621	
3758	6052	14.80	10	1.23968	336.25	622	12 18 73
2426	136	-7.16	10		329.45	622	
3758	136	9.38	10		329.53	622	
3758	2426	16.42	10			622	
3758	35260	3.00	10		321.62	622	
3758	6052	15.04	10	1.22028	336.25	623	1 3 74
2426	136	-7.24	9		329.50	623	
3758	136	9.56	9		329.57	623	
3758	2426	16.69	10			623	

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
3758	35260	3.13	10		321.72	623	
3758	4274	.99	10		319.11	623	
3758	6052	15.58	10	1.18954	336.43	624	1 8 74
2426	136	-7.49	10		329.42	624	
3758	136	9.68	10		329.41	624	
3758	2426	17.18	9			624	
3758	4274	1.12	10		319.23	624	
3758	6052	15.56	10	1.18434	336.33	625	1 18 74
2426	136	-7.40	10		329.57	625	
3758	136	9.86	9		329.58	625	
3758	2426	17.24	10			625	
3758	4274	1.12	10		319.23	625	
3758	6052	15.27	10	1.19404	336.13	626	1 24 74
2426	136	-7.29	10		329.63	626	
3758	136	9.70	10		329.48	626	
3758	2426	17.23	10			626	
3758	4274	1.14	10		319.26	626	
3758	6052	17.57	10	1.04904	336.33	627	1 29 74
2426	136	-8.36	9		329.56	627	
3758	136	11.13	9		329.58	627	
3758	2426	19.46	9			627	
3758	4274	1.25	10		319.21	627	

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
3758	34967	3.59	10		321.67	627	
3758	6052	17.38	10	1.05255	336.19	628	2 7 74
2426	136	-8.34	10		329.55	628	
3758	136	11.10	10		329.58	628	
3758	2426	19.38	10			628	
3758	34967	3.61	10		321.70	628	
3758	6052	17.43	10	1.05174	336.23	629	2 14 74
2426	136	-8.29	10		329.61	629	
3758	136	11.08	10		329.55	629	
3758	2426	19.48	10			629	
3758	34967	3.58	10		321.67	629	
3758	6052	17.32	10	1.05554	336.18	630	2 20 74
2426	136	-8.31	10		329.56	630	
3758	136	11.04	10		329.55	630	
3758	2426	19.36	10			630	
3758	34967	3.62	10		321.72	630	
3758	2407	1.11	10		319.07	630	
3758	6052	17.60	9	1.04823	336.35	631	2 28 74
2426	136	-8.47	9		329.45	631	
3758	136	11.02	10		329.45	631	
3758	2426	19.49	9			631	
3758	2407	1.12	10		319.07	631	

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
3758	6052	17.53	9	1.04635	336.24	632	3 5 74
2426	136	-8.45	10		329.49	632	
3758	136	11.17	10		329.59	632	
3758	2426	19.43	10			632	
3758	2407	1.11	10		319.06	632	
3758	6052	17.50	10	1.05112	336.28	633	3 12 74
2426	136	-8.33	10		329.58	633	
3758	136	11.07	10		329.52	633	
3758	2426	19.51	10			633	
3758	2407	1.14	10		319.10	633	
3758	6052	17.58	10	1.04769	336.32	634	3 20 74
2426	136	-8.39	10		329.54	634	
3758	136	11.14	10		329.57	634	
3758	2426	19.47	10			634	
3758	2407	1.10	10		319.05	634	
3758	2419	4.04	10		322.13	634	
3758	6052	17.61	10	1.04475	336.30	635	3 28 74
2426	136	-8.36	10		329.60	635	
3758	136	11.16	10		329.56	635	
3758	2426	19.59	10			635	
3758	2419	4.11	10		322.19	635	
10074	6052	18.70	10	1.05015	336.19	636	4 4 74

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
2426	136	-8.34	10		329.57	636	
10074	136	12.46	10		329.63	636	
10074	2426	20.68	10			636	
10074	2419	5.41	10		322.23	636	
10074	6052	18.60	10	1.06166	336.30	637	4 11 74
2426	136	-8.24	10		329.58	637	
10074	136	12.24	10		329.54	637	
10074	2426	20.55	10			637	
10074	2419	5.36	10		322.24	637	
10074	6052	18.98	10	1.05192	336.52	638	4 16 74
2426	136	-8.24	10		329.66	638	
10074	136	12.50	10		329.70	638	
10074	2426	20.67	10			638	
10074	2419	5.50	10		322.34	638	
10074	2423	3.75	10		320.49	638	
10074	6052	18.83	10	1.04787	336.28	639	4 25 74
2426	136	-8.37	10		329.56	639	
10074	136	12.46	10		329.61	639	
10074	2426	20.74	10			639	
10074	2423	3.80	10		320.53	639	
10074	6052	18.75	10	1.04337	336.11	640	5 2 74
10077	136	-11.73	10		329.57	640	

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
10074	136	12.47	10		329.56	640	
10074	10077	24.22	10			640	
10074	2423	3.84	10		320.56	640	
10074	6052	18.98	10	1.04380	336.36	641	5 13 74
10077	136	-11.66	10		329.64	641	
10074	136	12.51	10		329.61	641	
10074	10077	24.23	10			641	
10074	2423	3.76	10		320.47	641	
10074	3756	2.57	10		319.23	641	
10074	6052	18.99	10	1.03482	336.20	642	5 21 74
10077	136	-11.88	10		329.52	642	
10074	136	12.52	10		329.51	642	
10074	10077	24.42	10			642	
10074	3756	2.60	10		319.24	642	
10074	6052	18.39	10	1.06101	336.04	643	5 28 74
10077	136	-11.50	10		329.62	643	
10074	136	12.29	10		329.58	643	
10074	10077	23.87	10			643	
10074	3756	2.61	10		319.32	643	
10074	6052	18.02	10	1.08505	336.10	644	6 4 74
10077	136	-11.25	10		329.60	644	
10074	136	11.99	10		329.56	644	

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
10074	10077	23.32	10			644	
10074	3756	2.60	10		319.37	644	
10074	6052	16.49	10	1.20964	336.50	645	6 10 74
10077	136	-10.00	8		329.71	645	
10074	136	10.62	10		329.40	645	
10074	10077	21.21	8			645	
10074	3756	2.30	8		319.33	645	
10074	181	3.16	10		320.37	645	
10074	6052	17.31	10	1.12918	336.08	646	6 18 74
10077	136	-10.81	10		329.61	646	
10074	136	11.53	10		329.56	646	
10074	10077	22.44	10			646	
10074	181	3.40	10		320.39	646	
10074	6052	18.91	10	1.04445	336.30	647	6 25 74
10077	136	-11.62	10		329.67	647	
10074	136	12.48	10		329.58	647	
10074	10077	24.27	10			647	
10074	181	3.57	10		320.28	647	
10074	6052	18.67	9	1.05448	336.24	648	7 2 74
10077	136	-11.63	10		329.55	648	
10074	136	12.30	9		329.52	648	
10074	10077	23.98	10			648	

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
10074	181	3.66	10		320.41	648	
10074	6052	18.67	10	1.05624	336.27	649	7 11 74
10077	136	-11.69	10		329.46	649	
10074	136	12.27	10		329.51	649	
10074	10077	23.87	10			649	
10074	181	3.66	10		320.42	649	
10074	4296	2.06	10		318.73	649	
10074	6052	18.66	10	1.05889	336.31	650	7 18 74
10077	136	-11.74	10		329.38	650	
10074	136	12.17	10		329.44	650	
10074	10077	23.80	10			650	
10074	11083	2.36	5		319.05	650	
10074	6052	16.60	10	1.08552	334.57	651	7 25 74
10077	136	-10.60	10		330.30	651	
10074	136	11.27	10		328.78	651	
10074	10077	23.27	10			651	
10074	11083	2.39	9		319.14	651	
10074	4296	2.56	10		319.33	651	
10074	6052	17.52	10	1.12417	336.25	652	8 1 74
10077	136	-11.00	10		329.44	652	
10074	136	11.48	10		329.46	652	
10074	10077	22.46	10			652	

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
10074	4296	2.48	4		319.34	652	
10074	6052	18.59	10	1.06353	336.41	653	8 6 74
10077	136	-11.48	9		329.54	653	
10074	136	12.24	10		329.63	653	
10074	10077	23.56	10			653	
10074	4296	2.74	10		319.48	653	
10074	11081	3.54	10		320.33	653	
10074	6052	15.88	10	1.24342	336.30	654	8 13 74
10077	136	-9.82	10		329.60	654	
10074	136	10.53	10		329.64	654	
10074	10077	20.28	10			654	
10074	11081	3.29	10		320.64	654	
10074	6052	16.06	10	1.23551	336.39	655	8 20 74
10077	136	-9.87	9		329.62	655	
10074	136	10.60	10		329.65	655	
10074	10077	20.42	10			655	
10074	11081	3.31	10		320.64	655	
10074	6052	16.11	10	1.20948	336.03	656	8 29 74
10077	136	-10.03	10		329.68	656	
10074	136	10.63	10		329.41	656	
10074	10077	21.11	10			656	
10074	39345	1.15	10		317.94	656	

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
10074	6052	17.58	10	1.12068	336.25	657	9 3 74
10077	136	-10.78	10		329.73	657	
10074	136	11.62	10		329.57	657	
10074	10077	22.68	10			657	
10074	39345	1.12	10		317.81	657	
10074	6052	17.94	10	1.10765	336.42	658	9 12 74
10077	136	-11.20	10		329.40	658	
10074	136	11.68	10		329.49	658	
10074	10077	22.73	10			658	
10074	39345	1.18	10		317.86	658	
10074	2405	2.48	10		319.30	658	
10074	6052	17.90	10	1.10305	336.29	659	9 17 74
10077	136	-11.23	10		329.42	659	
10074	136	11.64	10		329.39	659	
10074	10077	22.93	10			659	
10074	2405	2.58	10		319.40	659	
10074	6052	18.34	10	1.08738	336.49	660	9 24 74
10077	136	-11.37	9		329.45	660	
10074	136	11.89	10		329.48	660	
10074	10077	23.20	10			660	
10074	2405	2.59	10		319.37	660	
10074	6052	17.41	10	1.12392	336.12	661	10 1 74

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	136	-10.93	10		329.53	661	
10074	136	11.59	10		329.58	661	
10074	10077	22.43	10			661	
10074	2405	2.45	10		319.30	661	
10074	11081	3.36	10		320.33	661	
10074	6052	17.70	10	1.09611	335.95	662	10 9 74
10077	136	-11.31	10		329.41	662	
10074	136	11.62	9		329.29	662	
10074	10077	23.16	10			662	
10074	11081	3.59	10		320.49	662	
10074	6052	18.97	10	1.03546	336.19	663	10 15 74
10077	136	-12.00	10		329.38	663	
10074	136	12.46	10		329.45	663	
10074	10077	24.33	10			663	
10074	11081	4.13	10		320.83	663	
10074	3760	6.25	10		323.02	663	
10074	6052	17.03	10	1.27762	338.31	664	10 29 74
10077	136	-9.25	10		329.99	664	
10074	136	9.61	9		328.83	664	
10074	10077	20.91	8			664	
10074	3760	5.72	10		323.86	664	
10074	6052	16.16	10	1.22163	336.28	665	11 5 74

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
4292	136	-7.26	10		329.35	665	
10074	136	10.59	10		329.48	665	
10074	4292	17.64	10			665	
10074	3760	5.29	10		323.01	665	
10074	6052	16.16	9	1,21994	336.26	666	11 8 74
4292	136	-7.17	10		329.46	666	
10074	136	10.64	9		329.53	666	
10074	4292	17.70	10			666	
10074	3760	5.29	8		323.00	666	
10074	2405	2.33	10		319.39	666	
10074	6052	14.81	10	1,33621	336.34	667	11 12 74
4292	136	-6.60	9		329.39	667	
10074	136	9.60	10		329.38	667	
10074	4292	16.22	10			667	
10074	2405	2.07	10		319.32	667	
10074	4276	3.43	10		321.13	667	
10074	6052	16.55	10	1,18348	336.22	668	11 19 74
4292	136	-7.30	10		329.53	668	
10074	136	11.00	10		329.62	668	
10074	4292	18.15	10			668	
10074	4276	3.94	10		321.23	668	
10074	6052	17.62	10	1,14528	336.73	669	11 29 74

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
4292	136	-7.57	9		329.54	669	
10074	136	11.05	10		329.21	669	
10074	4292	19.40	6			669	
10074	4276	4.11	10		321.26	669	
11089	6052	15.59	10	1,16601	335.74	670	12 10 74
4292	136	-7.34	9		329.65	670	
11089	136	10.14	10		329.38	670	
11089	4292	17.94	10			670	
11089	4276	3.12	10		321.20	670	
11089	4277	3.80	10		321.99	670	
11089	6052	17.31	9	.83790	332.06	671	12 19 74
4292	136	-10.57	9		329.35	671	
11089	136	14.86	10		330.01	671	
11089	4292	23.86	10			671	
11089	4277	4.81	10		321.59	671	
11089	6052	21.20	10	.94101	337.51	672	12 24 74
4292	136	-8.98	9		329.76	672	
11089	136	12.24	10		329.08	672	
11089	4292	22.85	8			672	
11089	4277	5.36	10		322.60	672	
11089	6052	21.39	10	.90789	336.98	673	12 30 74
4292	136	-9.94	10		329.19	673	

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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
11089	136	13.22	10		329.56	673	
11089	4292	22.33	10			673	
11089	4277	4.66	10		321.79	673	
11089	6052	19.04	10	.93165	335.30	674	1 2 75
4292	136	-8.92	10		329.90	674	
11089	136	13.26	10		329.91	674	
11089	4292	22.15	10			674	
11089	4277	5.00	10		322.22	674	
11089	2403	1.00	7		318.49	674	

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
2426	11082	-8.33	10				13JUL72	547
11089	11082	11.89	10					
11089	2426	20.22*	10*	19.35	0.95697			
11089	2426	20.30	10	19.35	0.95320			
			20			0.95508		
2426	11082	-8.50	8				31JUL72	548
11089	11082	12.60	9					
11089	2426	21.10*	9*	19.35	0.91706			
11089	2426	20.21	10	19.35	0.95745			
			19			0.93788		
2426	11082	-8.30	8				3AUG72	549
11089	11082	12.53	10					
11089	2426	20.83*	10*	19.35	0.92895			
11089	2426	20.50	10	19.35	0.94390			
			20			0.93637		
2426	11082	-8.64	9				11AUG72	550
11089	11082	12.32	10					
11089	2426	20.96*	10*	19.35	0.92319			
11089	2426	21.10	9	19.35	0.91706			
			19			0.92028		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9
STANDARD TANK NUMBER	COMPARED TANK NUMBER	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	INDEX DIFFERENCE	RECORDER SINGLE SET	SCALE FACTOR WEIGHTED AVERAGE	DATE OF ANALYSIS	SHEET NUMBER
2426	11082	-8.58	10				21AUG72	551
11089	11082	12.60	10					
11089	2426	21.18*	10*	19.35	0.91360			
11089	2426	21.26	10	19.35	0.91016			
			20			0.91188		
2426	11082	-8.60	10				25AUG72	552
11089	11082	12.40	9					
11089	2426	21.00*	10*	19.35	0.92143			
11089	2426	20.78	9	19.35	0.93118			
			19			0.92602		
2426	11082	-8.60	10				31AUG72	553
11089	11082	12.42	10					
11089	2426	21.02*	10*	19.35	0.92055			
11089	2426	20.81	10	19.35	0.92984			
			20			0.92517		
2426	11082	-8.48	10				6SEP72	554
11089	11082	12.47	10					
11089	2426	20.95*	10*	19.35	0.92363			
11089	2426	21.10	10	19.35	0.91706			
			20			0.92033		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9
STANDARD TANK NUMBER	COMPARED TANK NUMBER	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	INDEX DIFFERENCE	RECORDER SINGLE SET	SCALE FACTOR WEIGHTED AVERAGE	DATE OF ANALYSIS	SHEET NUMBER
2426	11082	-8.59	10				15SEP72	555
11089	11082	12.45	10					
11089	2426	21.04*	10*	19.35	0.91968			
11089	2426	20.64	10	19.35	0.93750			
			20			0.92850		
2426	11082	-5.39	10				21SEP72	556
11089	11082	7.80	10					
11089	2426	13.19*	10*	19.35	1.46702			
11089	2426	13.36	10	19.35	1.44835			
			20			1.45763		
2426	11082	-8.60	10				27SEP72	557
11089	11082	12.53	10					
11089	2426	21.13*	10*	19.35	0.91576			
11089	2426	21.07	10	19.35	0.91837			
			20			0.91706		
2426	11082	-8.58	10				20OCT72	558
11089	11082	12.60	10					
11089	2426	21.18*	10*	19.35	0.91360			
11089	2426	21.20	10	19.35	0.91274			
			20			0.91317		

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TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
2426	11082	-8.50	10				10OCT72	559
11089	11082	12.44	10					
11089	2426	20.94*	10*	19.35	0.92407			
11089	2426	21.10	10	19.35	0.91706			
			20			0.92055		
2426	11082	-8.65	10				18OCT72	560
11089	11082	12.50	10					
11089	2426	21.15*	10*	19.35	0.91489			
11089	2426	21.47	10	19.35	0.90126			
			20			0.90802		
2426	11089	-8.87	10				25OCT72	561
11089	11082	12.00	10					
11089	2426	20.87*	10*	19.35	0.92717			
11089	2426	21.00	10	19.35	0.92143			
			20			0.92429		
2426	11082	-8.94	10				27OCT72	562
11089	11082	12.84	10					
11089	2426	21.78*	10*	19.35	0.88843			
11089	2426	21.60	10	19.35	0.89583			
			20			0.89212		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4278	11082	-8.59	10				1NOV72	563
11089	11082	11.56	10					
11089	4278	20.15*	10*	19.65	0.97519	##		
11089	4278	21.69	10	19.65	0.90595	0.90595		
			20			0.93929		
4278	11082	-9.23	10				7NOV72	564
11089	11082	13.46	9					
11089	4278	22.69*	10*	19.65	0.86602			
11089	4278	22.25	10	19.65	0.88315			
			20			0.87450	###	
4278	11082	-9.71	10				9NOV72	565
11089	11082	12.51	10					
11089	4278	22.22*	10*	19.65	0.88434			
11089	4278	23.20	10	19.65	0.84698			
			20			0.86526	###	
4278	11082	-9.20	10				14NOV72	566
11089	11082	12.55	9					
11089	4278	21.75*	10*	19.65	0.90345			
11089	4278	22.30	10	19.65	0.88117			
			20			0.89217		

Rejected and not included in weighted average

All calibrations rejected for this day

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4278	11082	-9.08	10				20NOV72	567
11089	11082	12.38	10					
11089	4278	21.46*	10*	19.65	0.91566			
11089	4278	21.51	10	19.65	0.91353			
			20			0.91459		
4278	11082	-8.97	10				27NOV72	568
11089	11082	12.58	10					
11089	4278	21.55*	10*	19.65	0.91183			
11089	4278	21.63	10	19.65	0.90846			
			20			0.91014		
4278	11082	-8.64	10				1DEC72	569
18207	11082	13.61	10					
18207	4278	22.25*	10*	20.82	0.93573			
18207	4278	22.38	9	20.82	0.93029			
			19			0.93315		
4278	11082	-8.57	10				8DEC72	570
18207	11082	13.29	10					
18207	4278	21.86*	10*	20.82	0.95242 ##			
18207	4278	22.65	10	20.82	0.91921	0.91921		
			20			0.93552		

Deleted and not included in weighted average

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4278	11082	-8.82	10				14DEC72	571
18207	11082	13.44	10					
18207	4278	22.26*	10*	20.82	0.93531	##		
18207	4278	22.28	10	20.82	0.93447	0.93447		
			20			0.93489		
4278	11082	-8.93	10				19DEC72	572
18207	11082	13.93	10					
18207	4278	22.86*	10*	20.82	0.91076			
18207	4278	22.63	10	20.82	0.92002			
			20			0.91537		
4278	11082	-8.60	10				22DEC72	573
18207	11082	13.61	10					
18207	4278	22.21*	10*	20.82	0.93742			
18207	4278	21.93	10	20.82	0.94938			
			20			0.94336		
4278	11082	-8.59	10				28DEC72	574
18207	11082	13.18	10					
18207	4278	21.77*	10*	20.82	0.95636			
18207	4278	21.58	10	20.82	0.96478			
			20			0.96055		

Rejected and not included in weighted average

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9
STANDARD TANK NUMBER	COMPARED TANK NUMBER	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	INDEX DIFFERENCE	RECORDER SINGLE SET	SCALE FACTOR WEIGHTED AVERAGE	DATE OF ANALYSIS	SHEET NUMBER
4278	11082	-8.30	10				3JAN73	575
18207	11082	12.95	10					
18207	4278	21.25*	10*	20.82	0.97976			
18207	4278	21.40	10	20.82	0.97290			
			20			0.97632		
4278	11082	-8.27	10				8JAN73	576
18207	11082	12.72	9					
18207	4278	20.99*	10*	20.82	0.99190			
18207	4278	21.21	9	20.82	0.98161			
			19			0.98700		
4278	11082	-8.34	10				15JAN73	577
18207	11082	12.85	10					
18207	4278	21.19*	10*	20.82	0.98254			
18207	4278	21.05	10	20.82	0.98907			
			20			0.98580		
4278	11082	-8.32	10				24JAN73	578
18207	11082	12.93	10					
18207	4278	21.25*	10*	20.82	0.97976			
18207	4278	21.01	10	20.82	0.99096			
			20			0.98533		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9
STANDARD TANK NUMBER	COMPARED TANK NUMBER	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	INDEX DIFFERENCE	RECORDER SINGLE SET	SCALE FACTOR WEIGHTED AVERAGE	DATE OF ANALYSIS	SHEET NUMBER
4278	11082	-8.30	10				30JAN73	579
18207	11082	12.84	10					
18207	4278	21.14*	10*	20.82	0.98486			
18207	4278	21.01	10	20.82	0.99096			
			20			0.98790		
4278	11082	-8.16	10				5FEB73	580
18207	11082	12.67	10					
18207	4278	20.83*	10*	20.82	0.99952			
18207	4278	20.75	10	20.82	1.00337			
			20			1.00144		
4278	11082	-8.20	10				9FEB73	581
18207	11082	12.69	10					
18207	4278	20.89*	10*	20.82	0.99665			
18207	4278	20.87	10	20.82	0.99760			
			20			0.99713		
4278	11082	-8.16	9				15FEB73	582
18207	11082	12.63	10					
18207	4278	20.79*	10*	20.82	1.00144			
18207	4278	20.60	10	20.82	1.01068			
			20			1.00604		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4278	11082	-8.23	10				22FEB73	583
18207	11082	12.69	10					
18207	4278	20.92*	10*	20.82	0.99522			
18207	4278	21.08	10	20.82	0.98767			
			20			0.99143		
4278	11082	-8.15	10				28FEB73	584
18207	11082	12.60	10					
18207	4278	20.75*	10*	20.82	1.00337			
18207	4278	20.70	10	20.82	1.00580			
			20			1.00458		
4278	11082	-8.79	7				6MAR73	585
18207	11082	12.70	3					
18207	4278	21.49*	7*	20.82	0.96882##			
18207	4278	20.66	8	20.82	1.00774	1.00774		
			15			0.98920		
4278	11082	-8.21	10				16MAR73	586
18207	11082	12.77	10					
18207	4278	20.98*	10*	20.82	0.99237			
18207	4278	20.83	10	20.82	0.99952			
			20			0.99593		

Rejected and not included in weighted average

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4278	11082	-8.45	10				21MAR73	587
18207	11082	12.97	10					
18207	4278	21.42*	10*	20.82	0.97199			
18207	4278	21.58	10	20.82	0.96478			
			20			0.96837		
4278	11082	-7.89	10				29MAR73	588
18207	11082	12.23	7					
18207	4278	20.12*	10*	20.82	1.03479			
18207	4278	20.04	8	20.82	1.03892			
			18			1.03662		
4278	11082	-8.32	9				5APR73	589
18207	11082	13.27	10					
18207	4278	21.59*	10*	20.82	0.96434			
18207	4278	21.39	9	20.82	0.97335			
			19			0.96859		
4278	11082	-8.25	10				10APR73	590
18207	11082	12.96	10					
18207	4278	21.21*	10*	20.82	0.98161			
18207	4278	21.25	10	20.82	0.97976			
			20			0.98069		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4278	11082	-8.00	10				17APR73	591
18207	11082	12.42	10					
18207	4278	20.42*	10*	20.82	1.01959			
18207	4278	20.58	10	20.82	1.01166			
			20			1.01561		
4292	11082	-7.33	10				1MAY73	593
18207	11082	11.96	10					
18207	4292	19.29*	10*	20.39	1.05702			
18207	4292	19.20	9	20.39	1.06198			
			19			1.05937		
4292	11082	-7.28	10				10MAY73	594
18207	11082	11.80	10					
18207	4292	19.08*	10*	20.39	1.06866			
18207	4292	19.01	10	20.39	1.07259			
			20			1.07062		
4292	11082	-7.20	10				16MAY73	595
18207	11082	11.72	10					
18207	4292	18.92*	10*	20.39	1.07770			
18207	4292	19.15	10	20.39	1.06475			
			20			1.07118		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9
STANDARD TANK NUMBER	COMPARED TANK NUMBER	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	INDEX DIFFERENCE	RECORDER SINGLE SET	SCALE FACTOR WEIGHTED AVERAGE	DATE OF ANALYSIS	SHEET NUMBER
4292	11082	-7.19	10				23MAY73	596
18207	11082	11.99	10					
18207	4292	19.18*	10*	20.39	1.06309			
18207	4292	19.24	10	20.39	1.05977			
			20			1.06143		
4292	11082	-7.35	10				29MAY73	597
18207	11082	12.09	10					
18207	4292	19.44*	10*	20.39	1.04887			
18207	4292	19.70	10	20.39	1.03503			
			20			1.04190		
4292	11082	-7.66	9				6JUN73	598
18207	11082	12.42	10					
18207	4292	20.08*	10*	20.39	1.01544			
18207	4292	20.12	10	20.39	1.01342			
			20			1.01443		
4292	11082	-7.51	10				11JUN73	599
18207	11082	12.45	10					
18207	4292	19.96*	10*	20.39	1.02154			
18207	4292	19.97	10	20.39	1.02103			
			20			1.02129		

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TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4292	11082	-7.61	10				14JUN73	600
18207	11082	12.37	10					
18207	4292	19.98*	10*	20.39	1.02052			
18207	4292	19.95	10	20.39	1.02206			
			20			1.02129		
4292	11082	-7.55	10				22JUN73	601
18207	11082	12.60	10					
18207	4292	20.15*	10*	20.39	1.01191			
18207	4292	20.35	10	20.39	1.00197			
			20			1.00691		
4292	11082	-5.80	10				27JUN73	602
18207	11082	9.43	10					
18207	4292	15.23*	10*	20.39	1.33880			
18207	4292	15.26	9	20.39	1.33617			
			19			1.33756 ###		
4292	11082	-7.61	10				2JUL73	603
18207	11082	12.55	10					
18207	4292	20.16*	10*	20.39	1.01141			
18207	4292	20.27	10	20.39	1.00592			
			20			1.00866		

All calibrations rejected for this day

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4292	11082	-7.39	10				11JUL73	604
18207	11082	12.15	10					
18207	4292	19.54*	10*	20.39	1.04350			
18207	4292	19.70	10	20.39	1.03503			
			20			1.03925		
4292	11082	-7.56	10				16JUL73	605
18207	11082	12.31	10					
18207	4292	19.87*	10*	20.39	1.02617			
18207	4292	19.66	10	20.39	1.03713			
			20			1.03162		
4292	11082	-7.60	10				25JUL73	606
18207	11082	12.39	10					
18207	4292	19.99*	10*	20.39	1.02001			
18207	4292	19.99	10	20.39	1.02001			
			20			1.02001		
4292	11082	-7.51	8				3AUG73	607
3758	11082	12.19	10					
3758	4292	19.70*	10*	20.31	1.03096			
3758	4292	19.72	10	20.31	1.02992			
			20			1.03044		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SCALE FACTOR SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4292	11082	-7.51	10				8AUG73	608
3758	11082	11.86	10					
3758	4292	19.37*	10*	20.31	1.04853			
3758	4292	19.42	10	20.31	1.04583			
			20			1.04718		
4292	11082	-7.57	10				13AUG73	609
3758	11082	11.77	10					
3758	4292	19.34*	10*	20.31	1.05016			
3758	4292	19.42	10	20.31	1.04583			
			20			1.04799		
4292	11082	-7.48	9				23AUG73	610
3758	11082	11.71	10					
3758	4292	19.19*	10*	20.31	1.05836			
3758	4292	18.48	10	20.31	1.09903			
			20			1.07831		
4292	11082	-7.91	9				29AUG73	611
3758	11082	12.25	10					
3758	4292	20.16*	10*	20.31	1.00744			
3758	4292	20.26	10	20.31	1.00247			
			20			1.00495		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4292	11082	-6.95	10				20SEP73	612
3758	11082	10.90	7					
3758	4292	17.85*	10*	20.31	1.13782			
3758	4292	17.69	10	20.31	1.14811			
			20			1.14294		
4292	11082	-7.68	10				24SEP73	613
3758	11082	12.23	10					
3758	4292	19.91*	10*	20.31	1.02009			
3758	4292	19.52	9	20.31	1.04047			
			19			1.02964		
4292	136	-8.87	10				9OCT73	614
3758	136	11.78	10					
3758	4292	20.65*	10*	20.31	0.98354			
3758	4292	20.59	10	20.31	0.98640			
			20			0.98497		
4292	136	-8.82	10				18OCT73	615
3758	136	11.70	9					
3758	4292	20.52*	10*	20.31	0.98977			
3758	4292	20.72	10	20.31	0.98021			
			20			0.98497		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9
STANDARD TANK NUMBER	COMPARED TANK NUMBER	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	INDEX DIFFERENCE	RECORDER SINGLE SET	SCALE FACTOR WEIGHTED AVERAGE	DATE OF ANALYSIS	SHEET NUMBER
4292	136	-8.03	10				30OCT73	616
3758	136	10.94	10					
3758	4292	18.97*	10*	20.31	1.07064			
3758	4292	18.92	10	20.31	1.07347			
			20			1.07205		
2426	136	-8.35	10				8NOV73	617
3758	136	10.94	10					
3758	2426	19.29*	10*	20.43	1.05910			
3758	2426	19.35	10	20.43	1.05581			
			20			1.05745		
2426	136	-8.30	8				15NOV73	618
3758	136	10.38	10					
3758	2426	18.68*	10*	20.43	1.09368			
3758	2426	18.67	7	20.43	1.09427			
			17			1.09392		
2426	136	-8.90	5				27NOV73	619
3758	136	11.40	3					
3758	2426	20.30*	5*	20.43	1.00640			
3758	2426	19.79	7	20.43	1.03234			
			12			1.02137		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9
STANDARD TANK NUMBER	COMPARED TANK NUMBER	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	INDEX DIFFERENCE	RECORDER SINGLE SET	SCALE FACTOR WEIGHTED AVERAGE	DATE OF ANALYSIS	SHEET NUMBER
2426	136	-8.56	8				29NOV73	620
3758	136	11.59	9					
3758	2426	20.15*	9*	20.43	1.01390			
3758	2426	20.24	10	20.43	1.00939			
			19			1.01152		
2426	136	-8.49	8				4DEC73	621
3758	136	11.44	5					
3758	2426	19.93*	8*	20.43	1.02509			
3758	2426	20.30	8	20.43	1.00640			
			16			1.01566		
2426	136	-7.16	10				18DEC73	622
3758	136	9.38	10					
3758	2426	16.54*	10*	20.43	1.23519			
3758	2426	16.42	10	20.43	1.24421			
			20			1.23968		
2426	136	-7.24	9				3JAN74	623
3758	136	9.56	9					
3758	2426	16.80*	9*	20.43	1.21607			
3758	2426	16.69	10	20.43	1.22409			
			19			1.22028		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
2426	136	-7.49	10				8JAN74	624
3758	136	9.68	10					
3758	2426	17.17*	10*	20.43	1.18987			
3758	2426	17.18	9	20.43	1.18917			
			19			1.18954		
2426	136	-7.40	10				18JAN74	625
3758	136	9.86	9					
3758	2426	17.26*	10*	20.43	1.18366			
3758	2426	17.24	10	20.43	1.18503			
			20			1.18435		
2426	136	-7.29	10				24JAN74	626
3758	136	9.70	10					
3758	2426	16.99*	10*	20.43	1.20247			
3758	2426	17.23	10	20.43	1.18572			
			20			1.19404		
2426	136	-8.36	9				29JAN74	627
3758	136	11.13	9					
3758	2426	19.49*	9*	20.43	1.04823			
3758	2426	19.46	9	20.43	1.04985			
			18.			1.04904		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS.	5 INDEX DIFFERENCE	6 RECORDER SCALE FACTOR SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
2426	136	-8.34	10				7FEB74	628
3758	136	11.10	10					
3758	2426	19.44*	10*	20.43	1.05093			
3758	2426	19.38	10	20.43	1.05418			
			20			1.05255		
2426	136	-8.29	10				14FEB74	629
3758	136	11.08	10					
3758	2426	19.37*	10*	20.43	1.05472			
3758	2426	19.48	10	20.43	1.04877			
			20			1.05174		
2426	136	-8.31	10				20FEB74	630
3758	136	11.04	10					
3758	2426	19.35*	10*	20.43	1.05581			
3758	2426	19.36	10	20.43	1.05527			
			20			1.05554		
2426	136	-8.47	9				28FEB74	631
3758	136	11.02	10					
3758	2426	19.49*	10*	20.43	1.04823			
3758	2426	19.49	9	20.43	1.04823			
			19			1.04823		

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TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
2426	136	-8.45	10				5MAR74	632
3758	136	11.17	10					
3758	2426	19.62*	10*	20.43	1.04128			
3758	2426	19.43	10	20.43	1.05147			
			20			1.04635		
2426	136	-8.33	10				12MAR74	633
3758	136	11.07	10					
3758	2426	19.40*	10*	20.43	1.05309			
3758	2426	19.51	10	20.43	1.04716			
			20			1.05012		
2426	136	-8.39	10				20MAR74	634
3758	136	11.14	10					
3758	2426	19.53*	10*	20.43	1.04608			
3758	2426	19.47	10	20.43	1.04931			
			20			1.04769		
2426	136	-8.36	10				28MAR74	635
3758	136	11.16	10					
3758	2426	19.52*	10*	20.43	1.04662			
3758	2426	19.59	10	20.43	1.04289			
			20			1.04475		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
2426	136	-8.34	10				4APR74	636
10074	136	12.46	10					
10074	2426	20.80*	10*	21.78	1.04712			
10074	2426	20.68	10	21.78	1.05319			
			20			1.05014		
2426	136	-8.24	10				11APR74	637
10074	136	12.24	10					
10074	2426	20.48*	10*	21.78	1.06348			
10074	2426	20.55	10	21.78	1.05985			
			20			1.06166		
2426	136	-8.24	10				16APR74	638
10074	136	12.50	10					
10074	2426	20.74*	10*	21.78	1.05014			
10074	2426	20.67	10	21.78	1.05370			
			20			1.05192		
2426	136	-8.37	10				25APR74	639
10074	136	12.46	10					
10074	2426	20.83*	10*	21.78	1.04561			
10074	2426	20.74	10	21.78	1.05014			
			20			1.04787		

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TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
10077	136	-11.73	10				2MAY74	640
10074	136	12.47	10					
10074	10077	24.20*	10*	25.26	1.04380			
10074	10077	24.22	10	25.26	1.04294			
			20			1.04337		
10077	136	-11.66	10				13MAY74	641
10074	136	12.51	10					
10074	10077	24.17*	10*	25.26	1.04510			
10074	10077	24.23	10	25.26	1.04251			
			20			1.04380		
10077	136	-11.88	10				21MAY74	642
10074	136	12.52	10					
10074	10077	24.40*	10*	25.26	1.03525			
10074	10077	24.42	10	25.26	1.03440			
			20			1.03482		
10077	136	-11.50	10				28MAY74	643
10074	136	12.29	10					
10074	10077	23.79*	10*	25.26	1.06179			
10074	10077	23.87	10	25.26	1.05823			
			20			1.06001		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9
STANDARD TANK NUMBER	COMPARED TANK NUMBER	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	INDEX DIFFERENCE	RECORDER SINGLE SET	SCALE FACTOR WEIGHTED AVERAGE	DATE OF ANALYSIS	SHEET NUMBER
10077	136	-11.25	10				4JUN74	644
10074	136	11.99	10					
10074	10077	23.24*	10*	25.26	1.08692			
10074	10077	23.32	10	25.26	1.08319			
			20			1.08505		
10077	136	-10.00	8				10JUN74	645
10074	136	10.02	10					
10074	10077	20.62*	10*	25.26	1.22502			
10074	10077	21.21	8	25.26	1.19095			
			18			1.20964		
10077	136	-10.81	10				18JUN74	646
10074	136	11.53	10					
10074	10077	22.34*	10*	25.26	1.13071			
10074	10077	22.44	10	25.26	1.12567			
			20			1.12818		
10077	136	-11.62	10				25JUN74	647
10074	136	12.48	10					
10074	10077	24.10*	10*	25.26	1.04813			
10074	10077	24.27	10	25.26	1.04079			
			20			1.04445		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
10077	136	-11.63	10				2JUL74	648
10074	136	12.30	9					
10074	10077	23.93*	10*	25.26	1.05558			
10074	10077	23.98	10 20	25.26	1.05338	1.05448		
10077	136	-11.69	10				11JUL74	649
10074	136	12.27	10					
10074	10077	23.96*	10*	25.26	1.05426			
10074	10077	23.87	10 20	25.26	1.05823	1.05624		
10077	136	-11.74	10				18JUL74	650
10074	136	12.17	10					
10074	10077	23.91*	10*	25.26	1.05646			
10074	10077	23.80	10 20	25.26	1.06134	1.05890		
10077	136	-10.60	10				25JUL74	651
10074	136	11.27	10					
10074	10077	21.87*	10*	25.26	1.15501##			
10074	10077	23.27	10	25.26	1.08552	1.08552		

Rejected and not included in weighted average

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9
STANDARD TANK NUMBER	COMPARED TANK NUMBER	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	INDEX DIFFERENCE	RECORDER SINGLE SET	SCALE FACTOR WEIGHTED AVERAGE	DATE OF ANALYSIS	SHEET NUMBER
10077	136	-11.00	10				1AUG74	652
10074	136	11.48	10					
10074	10077	22.48*	10*	25.26	1.12367			
10074	10077	22.46	10	25.26	1.12467			
			20			1.12417		
10077	136	-11.48	9				6AUG74	653
10074	136	12.24	10					
10074	10077	23.72*	10*	25.26	1.06492			
10074	10077	23.56	10	25.26	1.07216			
			20			1.06853		
10077	136	-9.82	10				13AUG74	654
10074	136	10.53	10					
10074	10077	20.35*	10*	25.26	1.24128			
10074	10077	20.28	10	25.26	1.24556			
			20			1.24342		
10077	136	-9.87	9				20AUG74	655
10074	136	10.60	10					
10074	10077	20.47*	10*	25.26	1.23400			
10074	10077	20.42	10	25.26	1.23702			
			20			1.23551		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9
STANDARD TANK NUMBER	COMPARED TANK NUMBER	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	INDEX DIFFERENCE	RECORDER SINGLE SET	SCALE FACTOR WEIGHTED AVERAGE	DATE OF ANALYSIS	SHEET NUMBER
10077	136	-10.03	10				29AUG74	656
10074	136	10.63	10					
10074	10077	20.66*	10*	25.26	1.22265			
10074	10077	21.11	10	25.26	1.19659			
			20			1.20948		
10077	136	-10.78	10				3SEP74	657
10074	136	11.62	10					
10074	10077	22.40*	10*	25.26	1.12768			
10074	10077	22.68	10	25.26	1.11376			
			20			1.12067		
10077	136	-11.20	10				12SEP74	658
10074	136	11.68	10					
10074	10077	22.88*	10*	25.26	1.10402			
10074	10077	22.73	10	25.26	1.11131			
			20			1.10765		
10077	136	-11.23	10				17SEP74	659
10074	136	11.64	10					
10074	10077	22.87*	10*	25.26	1.10450			
10074	10077	22.93	10	25.26	1.10161			
			20			1.10306		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
10077	136	-11.37	9				24SEP74	660
10074	136	11.89	10					
10074	10077	23.26*	10*	25.26	1.08598			
10074	10077	23.20	10	25.26	1.08879			
			20			1.08739		
10077	136	-10.93	10				10OCT74	661
10074	136	11.59	10					
10074	10077	22.52*	10*	25.26	1.12167			
10074	10077	22.43	10	25.26	1.12617			
			20			1.12392		
10077	136	-11.31	10				9OCT74	662
10074	136	11.62	9					
10074	10077	22.93*	10*	25.26	1.10161			
10074	10077	23.16	10	25.26	1.09067			
			20			1.09612		
10077	136	-12.00	10				15OCT74	663
10074	136	12.46	10					
10074	10077	24.46*	10*	25.26	1.03271			
10074	10077	24.33	10	25.26	1.03822			
			20			1.03546		

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TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9
STANDARD TANK NUMBER	COMPARED TANK NUMBER	OBSERVED SCALE DIFFERENCE	NO. OF COMPARI- SONS	INDEX DIFFERENCE	RECORDER SINGLE SET	SCALE FACTOR WEIGHTED AVERAGE	DATE OF ANALYSIS	SHEET NUMBER
10077	136	-9.25	10				29OCT74	664
10074	136	9.61	9					
10074	10077	18.86*	10*	25.26	1.33934			
10074	10077	20.91	8	25.26	1.20803			
			18			1.27762		
4292	136	-7.26	10				5NOV74	665
10074	136	10.59	10					
10074	4292	17.85*	10*	21.66	1.21345			
10074	4292	17.64	10	21.66	1.22789			
			20			1.22063		
4292	136	-7.17	10				8NOV74	666
10074	136	10.64	9					
10074	4292	17.81*	10*	21.66	1.21617			
10074	4292	17.70	10	21.66	1.22373			
			20			1.21994		
4292	136	-6.60	9				12NOV74	667
10074	136	9.60	10					
10074	4292	16.20*	10*	21.66	1.33704			
10074	4292	16.22	10	21.66	1.33539			
			20			1.33621		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4292	136	-7.30	10				19NOV74	668
10074	136	11.00	10					
10074	4292	18.30*	10*	21.66	1.18361			
10074	4292	18.15	10	21.66	1.19339			
			20			1.18848		
4292	136	-7.57	9				29NOV74	669
10074	136	11.05	10					
10074	4292	18.62*	10*	21.66	1.16327			
10074	4292	19.40	6	21.66	1.11649			
			16			1.14527		
4292	136	-7.34	9				10DEC74	670
11089	136	10.14	10					
11089	4292	17.48*	10*	20.65	1.18135			
11089	4292	17.94	10	20.65	1.15106			
			20			1.16601		
4292	136	-10.57	9				19DEC74	671
11089	136	14.86	10					
11089	4292	25.43*	10*	20.65	0.81203			
11089	4292	23.86	10	20.65	0.86547			
			20			0.83790		

TABLE 2. RECORDER SCALE FACTORS OF ANALYZER NO. 58
MAUNA LOA CARBON DIOXIDE PROJECT

1 STANDARD TANK NUMBER	2 COMPARED TANK NUMBER	3 OBSERVED SCALE DIFFERENCE	4 NO. OF COMPARI- SONS	5 INDEX DIFFERENCE	6 RECORDER SINGLE SET	7 SCALE FACTOR WEIGHTED AVERAGE	8 DATE OF ANALYSIS	9 SHEET NUMBER
4292	136	-8.98	9				24DEC74	672
11089	136	12.24	10					
11089	4292	21.22*	10*	20.65	0.97314			
11089	4292	22.85	8	20.65	0.90372			
			18			0.94101		
4292	136	-9.94	10				30DEC74	673
11089	136	13.22	10					
11089	4292	23.16*	10*	20.65	0.89162			
11089	4292	22.33	10	20.65	0.92476			
			20			0.90789		
4292	136	-8.92	10				2JAN75	674
11089	136	13.26	10					
11089	4292	22.18*	10*	20.65	0.93102			
11089	4292	22.15	10	20.65	0.93228			
			20			0.93165		

Table 3 a. Summary of Recorder Scale Factors (from Approx. Weekly Calibrations)

1	2	3	4	5	6		
Interval Number	Initial Date	Initial Hour	Final Date	Final Hour	Parameters of Sensitivity Line		
					Initial Date Referred to 1 JAN 58 t_0 (days)	Initial Sensitivity S_0 (scale div./ppm)	Rate of Change of Sensitivity K (scale div./ppm-day)
25	6 JUN 72	0000	23 JUL 72	2400	5271	1.017692	0.963632×10^{-3}
26	26 JUL 72	0000	19 SEP 72	2400	5321	1.073360	0.256593×10^{-3}
27	20 SEP 72	0000	24 SEP 72	2400	5377	0.686045	0
28	25 SEP 72	0000	14 NOV 72	2400	5382	1.085548	0.593126×10^{-3}
29	15 NOV 72	0000	4 JAN 73	2400	5433	1.109978	-1.41211×10^{-3}
30	5 JAN 73	0000	5 JUN 73	2400	5484	1.026706	-0.510116×10^{-3}
31	6 JUN 73	0000	5 SEP 73	2400	5636	0.986285	-3.37803×10^{-3}
32	6 SEP 73	0000	6 SEP 73	1400	5728	0.992370	0
33	7 SEP 73	1700	8 SEP 73	1400	5729	0.945800	0
34	11 SEP 73	0100	11 SEP 73	0800	5733	0.907950	0
35	21 SEP 73	0200	22 OCT 73	1400	5743	1.008300	0
36	22 OCT 73	2200	20 NOV 73	1100	5774	0.934520	0
37	23 NOV 73	1800	5 DEC 73	0800	5806	0.986680	0
38	11 DEC 73	1900	25 JAN 74	1100	5824	0.802269	0.980758×10^{-3}
39	25 JAN 74	1400	31 MAY 74	0600	5869	0.950912	0.330430×10^{-4}

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

$$\text{RSF (ppm/scale div.)} = [(t - t_0)K + S_0]^{-1}$$

where t is measured in days relative to 1 JAN 58)

TABLE 3b. Recorder Scale Factors for Intervals 32-37

Interval	Date	Std. Tank No.	Std. Tank Index	Compared Tank No.	Compared Tank Index	Average Scale Difference	Index Difference	RSF	Averaged* RSF
32	6 SEP 73	3758	317.90	6052	336.26	18.22	18.36	1.00768	1.00768
33	7 SEP 73	3758	317.90	6052	336.26	16.67	18.36	1.10138	1.05731
	8 SEP 73	3758	317.90	6052	336.26	18.06	18.36	1.01661	
34	11 SEP 73	3758	317.90	6052	336.26	16.67	18.36	1.10138	1.10138
35	24 SEP 73	3758	317.90	4292	338.21	19.91	20.31	1.02009	.99177
	24 SEP 73	3758	317.90	4292	338.21	19.52	20.31	1.04047	
	4 OCT 73	3758	317.90	4292	338.21	20.96	20.31	.96899	
	9 OCT 73	3758	317.90	4292	338.21	20.65	20.31	.98354	
	9 OCT 73	3758	317.90	4292	338.21	20.59	20.31	.98640	
	18 OCT 73	3758	317.90	4292	338.21	20.52	20.31	.98977	
	18 OCT 73	3758	317.90	4292	338.21	20.72	20.31	.98021	
36	30 OCT 73	3758	317.90	4292	338.21	18.97	20.31	1.07064	1.07007
	30 OCT 73	3758	317.90	4292	338.21	18.92	20.31	1.07347	
	8 NOV 73	3758	317.90	4292	338.21	19.29	20.31	1.05288	
	8 NOV 73	3758	317.90	4292	338.21	19.35	20.31	1.04961	
	15 NOV 73	3758	317.90	4292	338.21	18.68	20.31	1.08726	
	15 NOV 73	3758	317.90	4292	338.21	18.67	20.31	1.08784	
37	27 NOV 73	3758	317.90	4292	338.21	20.30	20.31	1.00049	1.01350
	27 NOV 73	3758	317.90	4292	338.21	19.79	20.31	1.02628	
	29 NOV 73	3758	317.90	2426	338.33	20.15	20.43	1.01390	
	29 NOV 73	3758	317.90	2426	338.33	20.24	20.43	1.00939	
	4 DEC 73	3758	317.90	2426	338.33	19.93	20.43	1.02509	
	4 DEC 73	3758	317.90	2426	338.33	20.30	20.43	1.00640	

* The averages are made first for all calibrations during a given day, then all calibration day's averages are averaged. The averages are always made for reciprocal RSF's, and it is the reciprocal of the average reciprocal which is given in this table.

Table 3c. Summary of RSF Intervals

<u>Interval No.</u>	<u>Initial Date</u>	<u>Initial Hour</u>	<u>Final Date</u>	<u>Final Hour</u>	<u>Comment</u>
31	6 JUN 73	0000	5 SEP 73	2400	Ended when Moss began work on analyzer
32	6 SEP 73	0000	6 SEP 73	1400	Short segments of useful data obtained while Moss was at Mauna Loa
33	7 SEP 73	1700	8 SEP 73	1400	
34	11 SEP 73	0100	11 SEP 73	0800	
35	21 SEP 73	0200	22 OCT 73	1400	Ended before large zero shift
36	22 OCT 73	2200	20 NOV 73	1100	Ended before infrared source change
37	23 NOV 73	1800	5 DEC 73	0800	Ended when Moss began work on analyzer
38	11 DEC 73	1900	25 JAN 74	1100	Ended before John Chin adjusted phasing of analyzer
39	25 JAN 74	1400	31 MAY 74	0600	Ended before first indication of malfunction
40	31 MAY 74	0700	8 JUN 74	1600	Ended before large zero shift and change in RSF
41	10 JUN 74	2000	11 JUN 74	0200	Beginning with Interval 41, the intervals are chosen so as to exclude data which would otherwise be assigned an incorrect RSF
42	11 JUN 74	2000	12 JUN 74	2000	
43	14 JUN 74	0100	14 JUN 74	0500	
44	14 JUN 74	2000	15 JUN 74	0600	
45	17 JUN 74	2000	19 JUN 74	1500	
46	20 JUN 74	1600	19 JUL 74	2000	
47	24 JUL 74	0100	26 JUL 74	0800	
48	29 JUL 74	1200	30 JUL 74	0200	
49	2 AUG 74	1700	3 AUG 74	0200	
50	3 AUG 74	2200	4 AUG 74	0800	
51	6 AUG 74	2000	9 AUG 74	0800	
52	9 AUG 74	1100	9 AUG 74	1400	
53	13 AUG 74	1600	21 AUG 74	1600	
54	22 AUG 74	1300	27 AUG 74	0800	
55	28 AUG 74	0000	14 SEP 74	0400	
56	14 SEP 74	2200	28 SEP 74	0300	
57	28 SEP 74	0800	8 OCT 74	0200	
58	8 OCT 74	2000	26 OCT 74	0400	
59	28 OCT 74	1000	29 OCT 74	1800	
60	1 NOV 74	1400	5 NOV 74	0900	

Table 3c. Summary of RSF Intervals

<u>Interval No.</u>	<u>Initial Date</u>	<u>Initial Hour</u>	<u>Final Date</u>	<u>Final Hour</u>
61	5 NOV 74	1600	17 NOV 74	1800
62	19 NOV 74	1500	25 NOV 74	0800
63	25 NOV 74	1100	27 NOV 74	0900
64	27 NOV 74	2000	29 NOV 74	2000
65	1 DEC 74	0200	3 DEC 74	2000
66	4 DEC 74	0900	4 DEC 74	1700
67	9 DEC 74	1400	9 DEC 74	1700
68	9 DEC 74	2000	10 DEC 74	0800
69	10 DEC 74	2000	11 DEC 74	0200
70	11 DEC 74	0800	12 DEC 74	0800
71	12 DEC 74	1400	13 DEC 74	1500
72	16 DEC 74	2000	17 DEC 74	0800
73	18 DEC 74	1300	31 DEC 74	2400

Table 4a. Index Values of Field Surveillance TanksMAUNA 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
2426	11082	10	330.38			13 JUL 72
11089	11082	10	330.35			13 JUL 72
2426	11082	8	330.37			31 JUL 72
11089	11082	9	330.81			31 JUL 72
2426	11082	8	330.57			3 AUG 72
11089	11082	10	330.72			3 AUG 72
2426	11082	9	330.39			11 AUG 72
11089	11082	10	330.33			11 AUG 72
2426	11082	10	330.52			21 AUG 72
11089	11082	10	330.48			21 AUG 72
2426	11082	10	330.38			25 AUG 72
11089	11082	9	330.47			25 AUG 72
2426	11082	10	330.38			31 AUG 72
11089	11082	10	330.48			31 AUG 72
2426	11082	10	330.54			6 SEP 72
11089	11082	10	330.47			6 SEP 72
2426	11082	10	330.36			15 SEP 72
11089	11082	10	330.55			15 SEP 72
2426	11082	10	330.48			21 SEP 72
11089	11082	10	330.36			21 SEP 72
2426	11082	10	330.45			27 SEP 72
11089	11082	10	330.48			27 SEP 72
2426	11082	10	330.51			2 OCT 72
11089	11082	10	330.50			2 OCT 72
2426	11082	10	330.52			10 OCT 72
11089	11082	10	330.44			10 OCT 72
2426	11082	10	330.49			18 OCT 72
11089	11082	10	330.34			18 OCT 72
2426	11082	10	330.14			25 OCT 72

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
11089	11082	10	330.08			25 OCT 72
2426	11082	10	330.36			27 OCT 72
11089	11082	10	330.44			27 OCT 72
2426	11082			155	330.43	
11089	11082			158	330.47	
		wt'd average		313	330.45	
4278	11082	10	330.86			1 NOV 72
11089	11082	10	330.46			1 NOV 72
4278	11082		#			7 NOV 72
11089	11082		#			7 NOV 72
4278	11082		#			9 NOV 72
11089	11082		#			9 NOV 72
4278	11082	10	330.43			14 NOV 72
11089	11082	9	330.19			14 NOV 72
4278	11082	10	330.34			20 NOV 72
11089	11082	10	330.31			20 NOV 72
4278	11082	10	330.48			27 NOV 72
11089	11082	10	330.44			27 NOV 72
4278	11082			40	330.53	
11089	11082			39	330.35	
		wt'd average		79	330.44	
4278	11082	10	330.58			1 DEC 72
18207	11082	10	330.52			1 DEC 72
4278	11082	10	330.76			8 DEC 72
18207	11082	10	330.04			8 DEC 72
4278	11082	10	330.40			14 DEC 72
18207	11082	10	330.38			14 DEC 72
4278	11082	10	330.47			19 DEC 72
18207	11082	10	330.57			19 DEC 72
4278	11082	10	330.53			22 DEC 72
18207	11082	10	330.66			22 DEC 72
4278	11082	10	330.39			28 DEC 72
18207	11082	10	330.48			28 DEC 72

All calibration runs were rejected for this day; therefore unable to calculate PCF or indices

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	11082	10	330.54			3 JAN 73
18207	11082	10	330.46			3 JAN 73
4278	11082	10	330.48			8 JAN 73
18207	11082	9	330.37			8 JAN 73
4278	11082	10	330.42			15 JAN 73
18207	11082	10	330.49			15 JAN 73
4278	11082	10	330.44			24 JAN 73
18207	11082	10	330.56			24 JAN 73
4278	11082	10	330.44			30 JAN 73
18207	11082	10	330.50			30 JAN 73
4278	11082	10	330.47			5 FEB 73
18207	11082	10	330.51			5 FEB 73
4278	11082	10	330.46			9 FEB 73
18207	11082	10	330.47			9 FEB 73
4278	11082	9	330.43			15 FEB 73
18207	11082	10	330.53			15 FEB 73
4278	11082	10	330.48			22 FEB 73
18207	11082	10	330.40			22 FEB 73
4278	11082	10	330.45			28 FEB 73
18207	11082	10	330.48			28 FEB 73
4278	11082	7	329.78			6 MAR 73
18207	11082	3	330.62			6 MAR 73
4278	11082	10	330.46			16 MAR 73
18207	11082	10	330.54			16 MAR 73
4278	11082	10	330.46			21 MAR 73
18207	11082	10	330.38			21 MAR 73
4278	11082	10	330.46			29 MAR 73
18207	11082	7	330.50			29 MAR 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.	Single Set No. of Comparisons Index		Wt'd Average No. of Comparisons Index		Date of Analysis
4278	11082	9	330.58			5 APR 73
18207	11082	10	330.67			5 APR 73
4278	11082	10	330.55			10 APR 73
18207	11082	10	330.53			10 APR 73
4278	11082	10	330.52			17 APR 73
18207	11082	10	330.43			17 APR 73
4278	11082			225	330.47	
18207	11082			219	330.48	
		wt'd average		444	330.47	
4292	11082	10	330.44			1 MAY 73
18207	11082	10	330.49			1 MAY 73
4292	11082	10	330.42			10 MAY 73
18207	11082	10	330.45			10 MAY 73
4292	11082	10	330.50			16 MAY 73
18207	11082	10	330.37			16 MAY 73
4292	11082	10	330.58			23 MAY 73
18207	11082	10	330.55			23 MAY 73
4292	11082	10	330.55			29 MAY 73
18207	11082	10	330.42			29 MAY 73
4292	11082	9	330.44			6 JUN 73
18207	11082	10	330.42			6 JUN 73
4292	11082	10	330.54			11 JUN 73
18207	11082	10	330.53			11 JUN 73
4292	11082	10	330.44			14 JUN 73
18207	11082	10	330.45			14 JUN 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.	Single Set No. of Comparisons	Index	Wt'd Average No. of Comparisons	Index	Date of Analysis
4292	11082	10	330.61			22 JUN 73
18207	11082	10	330.51			22 JUN 73
4292	11082		*			27 JUN 73
18207	11082		*			27 JUN 73
4292	11082	10	330.53			2 JUL 73
18207	11082	10	330.48			2 JUL 73
4292	11082	10	330.53			11 JUL 73
18207	11082	10	330.45			11 JUL 73
4292	11082	10	330.41			16 JUL 73
18207	11082	10	330.52			16 JUL 73
4292	11082	10	330.46			25 JUL 73
18207	11082	10	330.46			25 JUL 73
18207	11082			130	330.47	
4292	11082			129	330.50	
		wt'd average		259	330.48	
4292	11082	8	330.47			3 AUG 73
3758	11082	10	330.46			3 AUG 73
4292	11082	10	330.35			8 AUG 73
3758	11082	10	330.32			8 AUG 73
4292	11082	10	330.28			13 AUG 73
3758	11082	10	330.23			13 AUG 73
4292	11082	9	330.14			23 AUG 73
3758	11082	10	330.53			23 AUG 73

* All calibration runs were rejected for this day, therefore unable to calculate RSF or indices

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
4292	11082	9	330.26			29 AUG 73
3758	11082	10	330.21			29 AUG 73
4292	11082	10	330.27			20 SEP 73
3758	11082	7	330.36			20 SEP 73
4292	11082	10	330.30			24 SEP 73
3758	11082	10	330.49			24 SEP 73
4292	11082			66	330.29	
3758	11082			67	330.37	
		wt'd average		133	330.33	
4292	136	10	329.47			10 OCT 73
3758	136	10	329.50			10 OCT 73
4292	136	10	329.52			18 OCT 73
3758	136	9	329.42			18 OCT 73
4292	136	10	329.60			30 OCT 73
3758	136	10	329.63			30 OCT 73
4292	136			30	329.53	
3758	136			29	329.52	
		wt'd average		59	329.53	

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
2426	136	10	329.50			8 NOV 73
3758	136	10	329.47			8 NOV 73
2426	136	8	329.25			15 NOV 73
3758	136	10	329.25			15 NOV 73
2426	136	5	329.24			27 NOV 73
3758	136	3	329.54			27 NOV 73
2426	136	8	329.67			29 NOV 73
3758	136	9	329.62			29 NOV 73
2426	136	8	329.71			4 DEC 73
3758	136	5	329.52			4 DEC 73
2426	136	10	329.45			18 DEC 73
3758	136	10	329.53			18 DEC 73
2426	136	9	329.50			3 JAN 74
3758	136	9	329.57			3 JAN 74
2426	136	10	329.42			8 JAN 74
3758	136	10	329.41			8 JAN 74
2426	136	10	329.57			18 JAN 74
3758	136	9	329.58			18 JAN 74
2426	136	10	329.63			24 JAN 74
3758	136	10	329.48			24 JAN 74
2426	136	9	329.56			29 JAN 74
3758	136	9	329.58			29 JAN 74

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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
2426	136	10	329.55			7 FEB 74
3758	136	10	329.58			7 FEB 74
2426	136	10	329.61			14 FEB 74
3758	136	10	329.55			14 FEB 74
2426	136	10	329.56			20 FEB 74
3758	136	10	329.55			20 FEB 74
2426	136	9	329.45			28 FEB 74
3758	136	10	329.45			28 FEB 74
2426	136	10	329.49			5 MAR 74
3758	136	10	329.59			5 MAR 74
2426	136	10	329.58			12 MAR 74
3758	136	10	329.52			12 MAR 74
2426	136	10	329.54			20 MAR 74
3758	136	10	329.57			20 MAR 74
2426	136	10	329.60			28 MAR 74
3758	136	10	329.56			28 MAR 74
2426	136			176	329.53	
3758	136			174	329.52	
		wt'd average		350	329.53	
2426	136	10	329.57			4 APR 74
10074	136	10	329.			4 APR 74
2426	136	10	329.			11 APR 74
10074	136	10	329.			11 APR 74
2426	136	10	329.			16 APR 74
10074	136	10	329.			16 APR 74
2426	136	10	329.			25 APR 74
10074	136	10	329.			25 APR 74
2426	136			40	329.59	
10074	136			40	329.62	
		wt'd average		80	329.60	

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	136	10	329.57			2 MAY 74
10074	136	10	329.56			2 MAY 74
10077	136	10	329.64			13 MAY 74
10074	136	10	329.61			13 MAY 74
10077	136	10	329.52			21 MAY 74
10074	136	10	329.57			21 MAY 74
10077	136	10	329.62			28 MAY 74
10074	136	10	329.58			28 MAY 74
10077	136	10	329.60			4 JUN 74
10074	136	10	329.56			4 JUN 74
10077	136	8	329.71			10 JUN 74
10074	136	10	329.40			10 JUN 74
10077	136	10	329.61			18 JUN 74
10074	136	10	329.56			18 JUN 74
10077	136	10	329.67			25 JUN 74
10074	136	10	329.58			25 JUN 74
10077	136	10	329.55			2 JUL 74
10074	136	9	329.52			2 JUL 74
10077	136	10	329.46			11 JUL 74
10074	136	10	329.51			11 JUL 74
10077	136	10	329.38			18 JUL 74
10074	136	10	329.44			18 JUL 74
10077	136		#			25 JUL 74
10074	136		#			25 JUL 74
10077	136	10	329.44			1 AUG 74
10074	136	10	329.46			1 AUG 74
10077	136	9	329.54			13 AUG 74
10074	136	10	329.63			13 AUG 74
10077	136	9	329.62			20 AUG 74
10074	136	10	329.65			20 AUG 74
10077	136	10	329.68			29 AUG 74

Indirect RSF was rejected for this day; therefore unable to calculate indices

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
10074	136	10	329.41			29 AUG 74
10077	136	10	329.73			3 SEP 74
10074	136	10	329.57			3 SEP 74
10077	136	10	329.40			12 SEP 74
10074	136	10	329.49			12 SEP 74
10077	136	10	329.42			17 SEP 74
10074	136	10	329.39			17 SEP 74
10077	136	9	329.45			24 SEP 74
10074	136	10	329.48			24 SEP 74
10077	136	10	329.53			1 OCT 74
10074	136	10	329.58			1 OCT 74
10077	136	10	329.41			9 OCT 74
10074	136	9	329.29			9 OCT 74
10077	136	10	329.38			15 OCT 74
10074	136	10	329.45			15 OCT 74
10077	136	10	329.99			29 OCT 74
10074	136	9	328.83			29 OCT 74
10077	136			225	329.56	
10074	136			227	329.48	
		wt'd average		452	329.52	
4292	136	10	329.35			5 NOV 74
10074	136	10	329.48			5 NOV 74
4292	136	10	329.46			8 NOV 74
10074	136	9	329.53			8 NOV 74
4292	136	9	329.39			12 NOV 74
10074	136	10	329.38			12 NOV 74
4292	136	10	329.53			19 NOV 74
10074	136	10	329.62			19 NOV 74
4292	136	9	329.54			29 NOV 74
10074	136	10	329.21			29 NOV 74
4292	136			48	329.45	
10074	136			49	329.44	
		wt'd average		97	329.44	

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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
4292	136	9	329.65			10 DEC 74
11089	136	10	329.38			10 DEC 74
4292	136	9	329.35			19 DEC 74
11089	136	10	329.01			19 DEC 74
4292	136	9	329.76			24 DEC 74
11089	136	10	329.08			24 DEC 74
4292	136	10	329.19			30 DEC 74
11089	136	10	329.56			30 DEC 74
4292	136			37	329.48	
11089	136			40	329.51	
		wt'd average		77	329.50	

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Table 4b. Average Index Values of Field Surveillance TanksMAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5
Date	Standard Tanks	Compared Tank	No. of Comparisons	Average Index
FEB 72	Tanks at SIO	11082	50	330.49
APR 72	4278 and 3754	11082	40	330.44
APR 72 - JUL 72	11089 and 3754	11082	280	330.42
JUL 72 - OCT 72	11089 and 2426	11082	313	330.45
NOV 72	11089 and 4278	11082	79	330.44
DEC 72 - APR 73	18207 and 4278	11082	444	330.47
MAY 73 - JUL 73	18207 and 4292	11082	259	330.48
AUG 73 - SEP 73	3758 and 4292	11082	133	330.33
MAR 74	Tanks at SIO	11082	49	330.31
JUL 73	Tanks at SIO	136	123	329.45
OCT 73	3758 and 4292	136	59	329.53
NOV 73 - MAR 74	3758 and 2426	136	350	329.53
APR 74	10074 and 2426	136	80	329.60
MAY 74 - OCT 74	10074 and 10077	136	452	329.52
NOV 74	10074 and 4292	136	97	329.44
DEC 74	11089 and 4292	136	77	329.50
	Still at Mauna Loa			

TABLE 5. SCRIPPS INDEX VALUES OF REFERENCE GASES

MAUNA LOA CARBON DIOXIDE PROJECT

		AT SCRIPPS PRIOR TO USE IN FIELD					AT SCRIPPS AFTER USE IN FIELD					WEIGHTED AVERAGE	
1	2	3	4	5	6	7	8	9	10	11	12		
TANK USAGE	TANK NO.	NO. OF COMPARISONS	INDEX	DATE OF LAST RUN	REF. GAS NO.	NO. OF COMPARISONS	INDEX	DATE OF LAST RERUN	REF. GAS NO.	NO. OF COMPARISONS	INDEX		
W	4296	23	318.39	16 MAR 71	18	10	318.84	11 NOV 71	19	33	318.52		
W	4290	22	319.47	16 MAR 71	18	10	319.40	11 NOV 71	19	32	319.45		
W	2419	19	319.33	1 JUL 71	18	10	319.41	14 DEC 71	19	29	319.36		
I	4283	60	311.61	9 JUL 71	18	59	311.63	22 AUG 72	20	119	311.62		
S	18208	181	309.63	7 JUL 71	18	80	309.57	11 JAN 73	21	261	309.61		
W	4277	22	318.74	9 JUL 71	18	10	318.72	14 DEC 71	19	32	318.73		
W	2418	21	319.56	24 AUG 71	19	10	319.53	14 DEC 71	19	31	319.55		
W	1008	20	321.54	14 SEP 71	19	10	321.74	29 SEP 72	21	30	321.54		
W	181 #	24	320.98	14 SEP 71	19	10	320.93	17 JAN 72	19	34	320.96		
W	11081	21	320.84	14 SEP 71	19	10	320.78	17 JAN 72	19	31	320.82		
W	181 #	24	320.98	14 SEP 71	19	10	320.93	17 JAN 72	19	34	320.96		
W	7362	20	321.68	14 SEP 71	19	10	321.84	24 APR 72	20	30	321.74		
W	7355	20	322.41	14 SEP 71	19	9	322.65	14 APR 72	20	29	322.48		
W	4276	20	322.16	14 SEP 71	19	10	322.11	14 APR 72	20	30	322.14		
W	2421	21	321.96	15 DEC 71	19	10	321.92	24 APR 72	20	31	321.95		
W	2407	20	322.17	15 DEC 71	19	10	322.17	26 JUL 72	20	30	322.17		
W	2419	23	320.92	29 FEB 72	19	11	321.14	26 JUL 72	20	34	320.99		
S	11082	50	330.49	22 FEB 72	19	49	330.31	22 MAR 74	24	99	330.40		
S	18208	181	309.63	7 JUL 71	18	80	309.57	11 JAN 73	21	261	309.61		
I	11089	91	319.00	10 MAR 72	20	33	318.97	7 FEB 73	22	124	319.99		
W	4296	23	321.38	29 FEB 72	19	21	321.67	1 AUG 72	20	44	321.52		
W	1008 #	20	321.44	29 FEB 72	19	10	321.74	29 SEP 72	21	30	321.54		
W	4290 #	20	321.44	29 FEB 72	19	12	321.55	29 SEP 72	21	32	321.48		
HS	2426	58	338.37	10 MAR 72	20	120	338.32	27 JUL 73	23	178	338.34		
W	11076	20	320.11	28 FEB 72	19	9	320.26	29 SEP 72	21	29	320.16		
W	4277	20	319.93	29 FEB 72	19	10	320.06	9 NOV 72	21	30	319.97		
SS	6052	48	336.26	2 MAR 72	19	STILL AT MAUNA LOA					48	336.26	
W	2418	24	321.11	29 FEB 72	19	21	321.19	29 JAN 73	22	45	321.15		
W	4296	20	320.22	28 FEB 72	19	22	320.46	29 JAN 73	22	42	320.35		

TABLE 5. SCRIPPS INDEX VALUES OF REFERENCE GASES

MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
AT SCRIPPS PRIOR TO USE IN FIELD				AT SCRIPPS AFTER USE IN FIELD				WEIGHTED AVERAGE			
TANK USAGE	TANK NO.	NO. OF COMPARI- SONS	INDEX	DATE OF LAST RUN	REF. GAS REPORT NO.	NO. OF COMPARI- SONS	INDEX	DATE OF LAST RERUN	REF. GAS REPORT NO.	NO. OF COMPARI- SONS	INDEX
W	11081	18	322.26	19 JUL 72	20	11	322.42	7 FEB 73	22	29	322.32
HS	4278	256	338.65	25 AUG 72	20	73	338.60	27 MAR 74	24	329	338.64
W	4295	20	320.93	19 JUL 72	20	12	320.96	5 FEB 73	22	32	320.94
I	18207	83	317.86	25 AUG 72	20	30	317.70	6 NOV 72	23	113	317.82
W	4276	21	320.21	18 JUL 72	20	9	320.23	6 FEB 73	22	30	320.22
W	10074	19	320.60	19 JUL 72	20	10	320.51	5 AUG 73	22	29	320.57
W	4286	23	322.71	27 DEC 72	21	10	322.75	5 AUG 73	22	33	322.72
W	2407	22	322.92	27 DEC 72	21	10	322.92	5 AUG 73	22	32	322.92
W	2419	20	322.79	27 DEC 72	21	10	322.82	19 JUL 73	23	30	322.82
W	3756	29	322.97	27 DEC 72	21	9	323.04	19 JUL 73	23	38	322.99
HS	4292	103	338.25	2 JUL 73	22	89	338.17	12 JUL 74	25	192	338.21
W	34803	22	322.68	30 JAN 73	22	12	322.61	16 OCT 73	23	34	322.65
W	34816	18	322.34	30 JAN 73	22	21	322.27	16 OCT 73	23	39	322.30
W	35316	23	322.19	31 JAN 73	22	10	322.23	16 OCT 73	23	33	322.20
W	35394	21	322.13	30 JAN 73	22	20	321.94	20 MAY 74	25	41	322.04
W	34940	20	321.16	30 JAN 73	22	11	321.22	16 OCT 73	23	31	321.18
I	3758	112	318.05	7 FEB 73	22	278	317.84	29 OCT 74	26	390	317.90
W	35299	22	321.18	31 JAN 73	22	16	321.22	21 JAN 74	24	38	321.20
W	35370	20	322.00	12 FEB 73	22	10	321.93	21 JAN 74	24	30	321.97
S	136	123	329.45	27 JUL 73	23		STILL AT MAUNA LOA			123	329.45
W	11092	64	317.69	19 SEP 73	23	9	317.71	21 JAN 74	24	73	317.69
HS	2426	178	338.34	8 AUG 73	23	52	338.30	16 SEP 74	26	230	338.33
W	35234	22	321.54	31 JAN 73	22	8	321.45	22 JAN 74	24	30	321.51
W	35260	22	321.67	31 JAN 73	22	8	321.53	22 JAN 74	24	30	321.63
W	4274	89	319.03	28 NOV 73	24	10	319.08	1 MAY 74	25	100	319.04
W	34967	24	321.87	30 JAN 74	24		STILL AT MAUNA LOA			24	321.87
W	2407	66	318.98	14 JAN 74	24	10	318.88	4 JUN 74	25	76	318.96
W	2419	61	322.20	9 JAN 74	24	10	322.09	4 JUN 74	25	71	322.18
I	10074	81	316.55	15 JAN 74	24		STILL AT MAUNA LOA			81	316.55

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TABLE 5. SCRIPPS INDEX VALUES OF REFERENCE GASES

MAUNA LOA CARBON DIOXIDE PROJECT

1	2	3	4	5	6	7	8	9	10	11	12
AT SCRIPPS PRIOR TO USE IN FIELD						AT SCRIPPS AFTER USE IN FIELD				WEIGHTED AVERAGE	
TANK USAGE	TANK NO.	NO. OF COMPARI- SONS	INDEX	DATE OF LAST RUN	REF. GAS REPORT NO.	NO. OF COMPARI- SONS	INDEX	DATE OF LAST RERUN	REF. GAS REPORT NO.	NO. OF COMPARI- SONS	INDEX
W	2423	71	320.48	14 JAN 74	24	10	320.37	16 SEP 74	26	81	320.47
HS	10077	57	341.81	21 JAN 74	24		STILL AT MAUNA LOA			57	341.81
W	3756	63	319.23	14 JAN 74	24	11	319.18	16 SEP 74	26	74	319.22
W	181	70	320.30	8 JAN 74	24	10	320.32	16 SEP 74	26	80	320.31
W	11083	68	319.02	15 JAN 74	24	10	318.86	31 JUL 74	25	78	319.00
W	4296	61	319.33	9 JAN 74	24	10	319.46	16 SEP 74	26	71	319.35
W	11081	20	320.39	10 JUL 74	25		STILL AT MAUNA LOA			20	320.39
W	39345	106	317.76	19 JUL 74	25		STILL AT MAUNA LOA			106	317.76
W	2405	21	319.21	10 JUL 74	25		STILL AT MAUNA LOA			21	319.21
W	3760	20	322.93	10 JUL 74	25		STILL AT MAUNA LOA			20	322.93
HS	4292	192	338.21	10 JUL 74	25		STILL AT MAUNA LOA			192	338.21
W	4276	20	321.08	10 JUL 74	25		STILL AT MAUNA LOA			20	321.08
I	11089	75	317.56	10 JUL 74	25		STILL AT MAUNA LOA			75	317.56
W	4277	20	321.94	10 JUL 74	25		STILL AT MAUNA LOA			20	321.94
W	2403	20	318.36	19 NOV 74	26		STILL AT MAUNA LOA			20	318.36

Footnote to Table 5.

In previous Mauna Loa Reports, a Working Tank was listed twice in Table 5 if it was put on line, removed and later put back on line. Two different final weighted average Indices were then given in Table 7 and used to calculate the CO₂ concentrations. The first was a weighted average of the Scripps value and those calibrations during the time the tank was first on line. The second was like the first but used only calibrations during the second time the tank was on line. It seems more reasonable to average all the Mauna Loa calibrations with the Scripps values, so that a given tank will have only one Index value while at Mauna Loa. This minor change has been introduced in this Report (after Working Tank Number 181, used in 1971). Consequently, Working Tanks number 1008 and 4290 appear twice in Tables 5 and 7 of Report 5 but only once in this report.

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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	
21JUN72	11089	1008	10	321.52			
26JUN72	11089	4290	10	321.52			
5JUL72	11089	4290	10	321.55			
10JUL72	11089	4290	10	321.55			
13JUL72	11089	4290	10	321.57	40	321.54	4290
13JUL72	11089	11076	10	320.14			
31JUL72	11089	11076	10	320.21			
3AUG72	11089	11076	10	320.30			
11AUG72	11089	11076	10	320.28	40	320.23	11076
11AUG72	11089	4277	10	319.91			
21AUG72	11089	4277	10	320.24			
25AUG72	11089	4277	9	320.18			
31AUG72	11089	4277	10	320.10			
6SEP72	11089	4277	10	320.20	49	320.12	4277
6SEP72	11089	2418	10	321.24			
15SEP72	11089	2418	10	321.16			
21SEP72	11089	2418	10	321.32			
27SEP72	11089	2418	10	321.10			
2OCT72	11089	2418	10	321.36	50	321.24	2418
2OCT72	11089	4296	10	320.27			
10OCT72	11089	4296	10	320.37			
18OCT72	11089	4296	10	320.44			
25OCT72	11089	4296	10	320.32			
27OCT72	11089	4296	10	320.26	50	320.33	4296
27OCT72	11089	11081	10	322.17			
1NOV72	11089	11081	10	322.16			

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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	
7NOV72	11089	11081	10	*			
9NOV72	11089	11081	10	*	20	322.16	11081
9NOV72	11089	4295	10	*			
14NOV72	11089	4295	10	321.04			
26NOV72	11089	4295	10	321.01			
27NOV72	11089	4295	10	320.99			
1DEC72	18207	4295	10	320.99		321.01	4295
1DEC72	18207	4276	10	320.13			
8DEC72	18207	4276	10	320.37			
14DEC72	18207	4276	10	320.17			
19DEC72	18207	4276	10	320.21			
22DEC72	18207	4276	10	320.29		320.23	4276
22DEC72	18207	10074	10	320.42			
28DEC72	18207	10074	10	320.40			

* All calibration runs were rejected for this day; therefore unable to calculate RSF or indexes

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 JAN 73	18207	10074	10	320.50			
8 JAN 73	18207	10074	10	320.37			
15 JAN 73	18207	10074	10	320.49	50	320.44	10074
15 JAN 73	18207	4286	10	322.77			
24 JAN 73	18207	4286	10	322.90			
30 JAN 73	18207	4286	10	322.90			
5 FEB 73	18207	4286	9	322.90			
9 FEB 73	18207	4286	10	322.79	49	322.85	4286
9 FEB 73	18207	2407	10	323.03			
15 FEB 73	18207	2407	10	323.02			
22 FEB 73	18207	2407	10	322.98			
28 FEB 73	18207	2407	10	322.92			
6 MAR 73	18207	2407	10	323.04	50	323.00	2407
6 MAR 73	18207	2419	8	323.01			
16 MAR 73	18207	2419	10	323.04			
21 MAR 73	18207	2419	10	322.98			
29 MAR 73	18207	2419	7	322.94			
5 APR 73	18207	2419	9	322.87	44	322.97	2419
5 APR 73	18207	3756	10	322.91			
10 APR 73	18207	3756	10	323.15			
17 APR 73	18207	3756	10	323.10			
1 MAY 73	18207	3756	10	323.16	40	323.08	3756
1 MAY 73	18207	34803	10	322.68			
10 MAY 73	18207	34803	10	322.74			
16 MAY 73	18207	34803	10	322.85			
23 MAY 73	18207	34803	10	322.70			
29 MAY 73	18207	34803	10	322.72	50	322.74	34803
29 MAY 73	18207	34816	10	322.49			

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		Wt'd Average		Compared Tank No.
			No. of Comparisons	Index	No. of Comparisons		
6 JUN 73	18207	34816	10	322.44			
11 JUN 73	18207	34816	10	322.48			
14 JUN 73	18207	34816	10	322.43	40	322.46	34816
14 JUN 73	18207	35316	10	322.39			
22 JUN 73	18207	35316	10	322.27			
27 JUN 73	18207	35316	10	*			
2 JUL 73	18207	35316	10	322.41			
16 JUL 73	18207	35316	10	322.32	40	322.35	35316
2 JUL 73	18207	35394	10	322.23			
11 JUL 73	18207	35394	10	322.21			
16 JUL 73	18207	35394	10	322.21			
25 JUL 73	18207	35394	9	322.22	39	322.22	35394
25 JUL 73	18207	34940	10	321.16			
3 AUG 73	3758	34940	10	321.31			
8 AUG 73	3758	34940	8	321.37			
13 AUG 73	3758	34940	10	321.31			
23 AUG 73	3758	34940	10	321.19	48	321.26	34940
23 AUG 73	3758	35299	10	321.08			
29 AUG 73	3758	35299	10	321.21			
20 SEP 73	3758	35299	10	321.10	30	321.13	35299
20 SEP 73	3758	35370	10	321.91			
24 SEP 73	3758	35370	10	322.05			
9 OCT 73	3758	35370	10	322.07			
18 OCT 73	3758	35370	10	322.08	40	322.03	35370
18 OCT 73	3758	11092	10	317.90			
30 OCT 73	3758	11092	10	317.90			
8 NOV 73	3758	11092	10	317.90	30	317.90	11092
8 NOV 73	3758	35234	10	321.52			

* All calibration runs were rejected for this day therefore unable to calculate RSF or indexes.

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	
15 NOV 73	3758	35234	9	321.28			
27 NOV 73	3758	35234	5	320.94			
29 NOV 73	3758	35234	9	321.35			
4 DEC 73	3758	35234	8	321.60	41	321.37	35234
4 DEC 73	3758	35260	6	321.37			
18 DEC 73	3758	35260	10	321.62			
3 JAN 74	3758	35260	10	321.72	26	321.60	35260
3 JAN 74	3758	4274	10	319.11			
8 JAN 74	3758	4274	10	319.23			
18 JAN 74	3758	4274	10	319.23			
24 JAN 74	3758	4274	10	319.26			
29 JAN 74	3758	4274	10	319.21	50	319.21	4274

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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	
29 JAN 74	3758	34967	10	321.67			
7 FEB 74	3758	34967	10	321.70			
14 FEB 74	3758	34967	10	321.67			
20 FEB 74	3758	34967	10	321.72	40	321.69	34967
20 FEB 74	3758	2407	10	319.07			
28 FEB 74	3758	2407	10	319.07			
5 MAR 74	3758	2407	10	319.06			
12 MAR 74	3758	2407	10	319.10			
20 MAR 74	3758	2407	10	319.05	50	319.07	2407
20 MAR 74	3758	2419	10	322.13			
28 MAR 74	3758	2419	10	322.19			
4 APR 74	10074	2419	10	322.23			
11 APR 74	10074	2419	10	322.24			
16 APR 74	10074	2419	10	322.34	50	322.23	2419
16 APR 74	10074	2423	10	320.49			
25 APR 74	10074	2423	10	320.53			
2 MAY 74	10074	2423	10	320.56			
13 MAY 74	10074	2423	10	320.47	40	320.51	2423
13 MAY 74	10074	3756	10	319.23			
21 MAY 74	10074	3756	10	319.24			
28 MAY 74	10074	3756	10	319.32			
4 JUN 74	10074	3756	10	319.37			
10 JUN 74	10074	3756	8	319.33	48	319.30	3756
10 JUN 74	10074	181	10	320.37			
18 JUN 74	10074	181	10	320.39			
25 JUN 74	10074	181	10	320.28			
2 JUL 74	10074	181	10	320.41			
11 JUL 74	10074	181	10	320.42	50	320.37	181
11 JUL 74	10074	4296	10	318.73			
25 JUL 74	10074	4296	10	319.33			
1 AUG 74	10074	4296	4	319.34			
6 AUG 74	10074	4296	10	319.48	34	319.20	4296

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	
18 JUL 74	10074	11083	5	319.05			
25 JUL 74	10074	11083	9	319.14	14	319.11	11083
6 AUG 74	10074	11081	10	320.33			
13 AUG 74	10074	11081	10	320.64			
20 AUG 74	10074	11081	10	320.64			
1 OCT 74	10074	11081	10	320.33			
9 OCT 74	10074	11081	10	320.49			
15 OCT 74	10074	11081	10	320.83	60	320.54	11081
29 AUG 74	10074	39345	10	317.94			
3 SEP 74	10074	39345	10	317.81			
12 SEP 74	10074	39345	10	317.86	30	317.87	39345
12 SEP 74	10074	2405	10	319.30			
17 SEP 74	10074	2405	10	319.40			
24 SEP 74	10074	2405	10	319.37			
1 OCT 74	10074	2405	10	319.30			
8 NOV 74	10074	2405	10	319.39			
12 NOV 74	10074	2405	10	319.32	60	319.35	2405
15 OCT 74	10074	3760	10	323.02			
29 OCT 74	10074	3760	10	323.86			
5 NOV 74	10074	3760	10	323.01			
8 NOV 74	10074	3760	8	323.00	38	323.23	3760
12 NOV 74	10074	4276	10	321.13			
19 NOV 74	10074	4276	10	321.23			
29 NOV 74	10074	4276	10	321.26			
10 DEC 74	10074	4276	10	321.20	40	321.21	4276
10 DEC 74	10074	4277	10	321.99			
19 DEC 74	10074	4277	10	321.59			
24 DEC 74	10074	4277	10	322.60			
30 DEC 74	10074	4277	10	321.79			
2 JAN 75	10074	4277	10	322.22	50	322.04	4277

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

1	2	3	4	5	6	7	8	9
Tank No.	At Scripps Pre- and Postfield Combined		At Mauna Loa		Index Difference (MLO - SIO)	MLO and SIO Combined		Date Use Began
	No. of Compari- sons	Wt'd Average Index	No. of Compari- sons	Wt'd Average Index		No. of Compari- sons	Wt'd Average Index	
II Tank 4283 in use								
7362	30	321.74						
7355	29	322.48	50	322.69	.21	79	322.61	3 JAN 72
4276	30	322.14	50	321.99	-.15	80	322.04	27 JAN 72
2421	31	321.95	40	321.79	-.16	71	321.86	17 FEB 72
2407	30	322.17	40	322.00	-.17	70	322.07	10 MAR 72
2419	34	320.99	50	320.97	-.02	84	320.98	4 APR 72
II Tank 11089 in use								
4286	44	321.52	50	321.47	-.05	94	321.49	28 APR 72
1008	30	321.54	60	321.55	.01	90	321.55	22 MAY 72
4290	32	321.48	60	321.53	.05	92	321.51	26 JUN 72
11076	29	320.16	40	320.23	.07	69	320.20	13 JUL 72
4277	30	319.97	49	320.12	.15	79	320.07	11 AUG 72
2418	45	321.15	50	321.24	.09	95	321.20	6 SEP 72
4296	42	320.35	50	320.33	-.02	92	320.34	2 OCT 72
11081	29	322.32	20	322.16	-.16	49	322.26	27 OCT 72
4295	32	320.94	40	321.01	.07	72	320.98	9 NOV 72
II Tank 18207 in use								
4276	30	320.22	50	320.23	.01	80	320.23	1 DEC 72
10074	29	320.57	50	320.44	-.13	79	320.49	22 DEC 72
4286	33	322.72	49	322.85	.13	82	322.80	15 JAN 73
2407	32	322.92	50	323.00	.08	82	322.97	9 FEB 73
2419	30	322.82	44	322.97	.15	74	322.91	6 MAR 73
3756	38	322.99	40	323.08	.09	78	323.04	5 APR 73
34803	34	322.65	50	322.74	.09	84	322.70	1 MAY 73
34816	39	322.30	40	322.46	.16	79	322.38	29 MAY 73
35316	33	322.20	40	322.35	.15	73	322.28	14 JUN 73
35394	41	322.04	39	322.22	.18	80	322.13	2 JUL 73
34940	31	321.18	48	321.26	.08	79	321.23	25 JUL 73

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

1	2	3	4	5	6	7	8	9
Tank No.	At Scripps Pre- and Postfield Combined		At Mauna Loa		Index Difference (MLO - SIO)	MLO and SIO Combined		Date Use Began
	No. of Compari- sons	Wt'd Average Index	No. of Compari- sons	Wt'd Average Index		No. of Compari- sons	Wt'd Average Index	
II Tank 3758 in use								
35299	38	321.20	30	321.13	-.07	68	321.17	23 AUG 73
35370	30	321.97	40	322.03	.06	70	322.00	20 SEP 73
11092	73	317.69	30	317.90	.21	103	317.75	18 OCT 73
35234	30	321.51	41	321.37	-.14	71	321.43	8 NOV 73
35260	30	321.63	26	321.60	-.03	56	321.62	4 DEC 73
4274	100	319.04	50	319.21	.17	150	319.10	3 JAN 74
34967	24	321.87	40	321.69	-.18	64	321.76	29 JAN 74
2407	76	318.96	50	319.07	.11	126	319.00	20 FEB 74
2419	71	322.18	50	322.23	.05	121	322.20	20 MAR 74
II Tank 10074 in use								
2423	81	320.47	40	320.51	.04	121	320.48	16 APR 74
3756	74	319.22	48	319.30	.08	122	319.25	13 MAY 74
181	80	320.31	50	320.37	.06	130	320.33	10 JUN 74
4296	71	319.35	34	319.20	-.15	105	319.20	11 JUL 74
11083	78	319.00	14	319.11	.11	92	319.02	18 JUL 74
11081	20	320.39	60	320.54	.15	80	320.50	6 AUG 74
39345	106	317.76	30	317.87	.11	136	317.78	29 AUG 74
2405	21	319.21	60	319.35	.14	81	319.31	12 SEP 74
3760	20	322.93	38	323.23	.30	58	323.13	15 OCT 74
4276	20	321.08	40	321.21	.13	60	321.16	12 NOV 74
II Tank 11089 in use								
4277	20	321.94	50	322.04	.10	70	322.01	10 DEC 74

TABLE 8 . DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	321,65 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 29 71	7362	321,65	.94242	0000-2400		323.13	94	323.13	94
12 30 71	7362	321,65	.94247	0000-2400		323.11	96	323.08	94
12 31 71	7362	321,65	.94252	0100-0530, 0845-2400		323.25	96	323.15	83
MONTHLY AVERAGES						322.73 (31 DAYS),		322.70 (31 DAYS)	
1 1 72	7362	321,65	.94256	0815-2400		323.17	96	322.87	63
1 2 72	7362	321,65	.94261	0000-0600		323.19	96	323.58	21
1 3 72	7362	321,65	.94266	0000-0900					
1 3 72	7355	322,61	.94266			323.43	76	323.51	33
1 4 72	7355	322,61	.94271			324.20	7	0	0
1 5 72	7355	322,61	.94276	1015-2400		323.32	56	323.31	53
1 6 72	7355	322,61	.94280	0000-1500, 1915-2400		323.25	95	323.32	73
1 7 72	7355	322,61	.94285	0600-2400		323.30	96	323.30	93
1 8 72	7355	322,61	.94290	0000-1430, 1915-2400		323.17	96	323.28	77
1 9 72	7355	322,61	.94295	0000-2400		323.21	96	323.21	93
1 10 72	7355	322,61	.94299	0000-1130, 2015-2400		323.09	96	323.11	61
1 11 72	7355	322,61	.94304	0000-0900, 2015-2400		323.01	74	323.18	51
1 12 72	7355	322,61	.94309	0000-1030, 2015-2400		322.81	96	323.20	57
1 13 72	7355	322,61	.94314	0000-1200, 1845-2400		323.12	88	323.20	61
1 14 72	7355	322,61	.94319	0000-2400		323.22	96	323.22	95
1 15 72	7355	322,61	.94323	0000-2400		323.17	96	323.12	92
1 16 72	7355	322,61	.94328	0000-1600, 1915-2400		323.07	96	323.17	83
1 17 72	7355	322,61	.94333	0000-0400, 0815-2400		323.30	96	323.13	79
1 18 72	7355	322,61	.94338	0000-2400		323.24	95	323.24	93
1 19 72	7355	322,61	.94343	0000-0900, 1445-2400		323.16	73	323.16	72
1 20 72	7355	322,61	.94347	0000-1300		323.40	51	323.40	51
1 21 72	7355	322,61	.94352	0915-2400		323.01	61	323.01	59
1 22 72	7355	322,61	.94357	0000-1200, 1915-2400		323.03	96	323.24	67

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 23 72	7355	322.61	.94362	0000-1100, 2115-2400	323.03	96	323.23	55	
1 24 72	7355	322.61	.94367	0000-0900, 1415-2400	323.18	75	323.18	75	
1 25 72	7355	322.61	.94371	0000-2400	323.34	96	323.34	96	
1 26 72	7355	322.61	.94376	0000-2400	323.49	96	323.49	96	
1 27 72	7355	322.61	.94381	0000-0900					
1 27 72	4276	322.04	.94381	1415-2400	323.54	75	323.54	74	
1 28 72	4276	322.04	.94386	0000-2400	323.56	96	323.56	96	
1 29 72	4276	322.04	.94391	0000-2400	324.04	96	324.04	96	
1 30 72	4276	322.04	.94395	0000-2400	323.91	96	323.91	96	
1 31 72	4276	322.04	.94400	0000-2400	324.34	96	324.34	96	
MONTHLY AVERAGES					323.33 (31 DAYS),		323.35 (30 DAYS)		
2 1 72	4276	322.04	.94405	0000-0900, 1415-2400	323.80	77	323.81	75	
2 2 72	4276	322.04	.94410	0000-1200, 1915-2400	323.70	96	323.76	67	
2 3 72	4276	322.04	.94415	0000-1130, 1745-2400	323.76	96	323.91	67	
2 4 72	4276	322.04	.94419	0000-2400	323.55	94	323.55	94	
2 5 72	4276	322.04	.94424	0000-2400	324.12	96	324.12	96	
2 6 72	4276	322.04	.94429	0000-2400	324.34	96	324.36	92	
2 7 72	4276	322.04	.94434	0000-2400	323.91	96	323.91	96	
2 8 72	4276	322.04	.94439	0000-2230	324.21	96	324.17	91	
2 9 72	4276	322.04	.94443	1415-2400	324.41	75	324.06	37	
2 10 72	4276	322.04	.94448	0000-2400	324.15	94	324.14	92	
2 11 72	4276	322.04	.94453	0000-2400	324.38	96	324.33	96	
2 12 72	4276	322.04	.94458	0000-2400	324.49	96	324.49	96	
2 13 72	4276	322.04	.94463	0000-2400	324.75	96	324.75	96	
2 14 72	4276	322.04	.94467	0000-0900, 2115-2400	324.43	76	324.82	47	
2 15 72	4276	322.04	.94472	0000-2400	324.93	96	324.93	96	
2 16 72	4276	322.04	.94477	0000-0500, 1815-2400	324.55	96	324.57	43	

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 17 72	4276	322.04	.94482	0000-0830					
2 17 72	2421	321.86	.94482	1415-2400	324.22	73	324.22	73	
2 18 72	2421	321.86	.94487	0000-1300, 1745-2400	324.43	96	324.50	77	
2 19 72	2421	321.86	.94491	0000-1400, 1815-2400	324.59	96	324.70	77	
2 20 72	2421	321.86	.94496	0000-0500, 0815-2100	324.63	96	324.47	71	
2 21 72	2421	321.86	.94501	0615-2400	324.46	95	324.20	71	
2 22 72	2421	321.86	.94506	0000-1000	324.16	41	324.15	41	
2 23 72	2421	321.86	.94511	1515-2400	323.58	37	323.59	37	
2 24 72	2421	321.86	.94515	0000-1200, 1515-2400	323.91	96	323.97	81	
2 25 72	2421	321.86	.94520	0000-2400	324.02	96	324.02	96	
2 26 72	2421	321.86	.94525	0000-2400	324.65	96	324.65	96	
2 27 72	2421	321.86	.94530	0000-2400	324.06	96	324.06	96	
2 28 72	2421	321.86	.94535	0000-0730	323.86	77	323.85	31	
2 29 72	2421	321.86	.94540	0000-1200	324.12	96	324.04	43	
MONTHLY AVERAGES					324.21 (29 DAYS)		324.21 (29 DAYS)		
3 1 72	2421	321.86	.94544	1745-2400	324.20	96	323.86	23	
3 2 72	2421	321.86	.94549	0000-2400	323.67	94	323.67	94	
3 3 72	2421	321.86	.94554	0000-2400	323.66	96	323.66	96	
3 4 72	2421	321.86	.94559	0000-2400	324.22	96	324.22	96	
3 5 72	2421	321.86	.94564	0000-2400	325.00	96	325.00	96	
3 6 72	2421	321.86	.94568	0000-2400	324.57	96	324.57	96	
3 7 72	2421	321.86	.94573	0000-2400	324.28	72	324.28	72	
3 8 72	2421	321.86	.94578	0000-2400	324.04	96	324.04	96	
3 9 72	2421	321.86	.94583	0000-2400	323.65	96	323.61	94	
3 10 72	2421	321.86	.94588						
3 10 72	2407	322.07	.94588		324.36	70	0	0	
3 11 72	2407	322.07	.94593	1845-2400	323.73	96	323.60	21	

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 12 72	2407	322,07	.94597	0000-0900	323.46	96	323.81	35	
3 13 72	2407	322,07	.94602	0000-1200, 1945-2400	323.45	95	323.78	65	
3 14 72	2407	322,07	.94607	0000-2400	323.73	93	323.73	93	
3 15 72	2407	322,07	.94612	0000-0300, 1945-2400	324.40	75	324.17	29	
3 16 72	2407	322,07	.94617	0000-1200, 1945-2400	324.45	96	324.62	65	
3 17 72	2407	322,07	.94621	0000-2400	324.67	96	324.68	94	
3 18 72	2407	322,07	.94626	0000-0800	324.26	96	324.49	32	
3 19 72	2407	322,07	.94631	0000-2400	324.61	96	324.61	95	
3 20 72	2407	322,07	.94636	0000-2400	323.97	72	323.97	72	
3 21 72	2407	322,07	.94641	0000-2400	323.91	96	323.84	93	
3 22 72	2407	322,07	.94646	0000-2400	324.01	96	324.01	95	
3 23 72	2407	322,07	.94650	0000-0900	323.72	78	323.82	35	
3 24 72	2407	322,07	.94655	1845-2400	325.15	96	326.25	21	
3 25 72	2407	322,07	.94660	0000-0600	325.45	96	326.46	21	
3 26 72	2407	322,07	.94665		326.31	7	0	0	
3 27 72	2407	322,07	.94670		325.93	65	0	0	
3 28 72	2407	322,07	.94675		325.56	45	0	0	
3 29 72	2407	322,07	.94679	0245-2400	325.70	87	325.73	81	
3 30 72	2407	322,07	.94684	0000-2400	326.56	96	326.56	95	
3 31 72	2407	322,07	.94689	0000-2400	326.29	96	326.29	95	
MONTHLY AVERAGES						324.55 (31 DAYS),	324.49 (27 DAYS)		
4 1 72	2407	322,07	.94694						
4 1 72	2419	320,98	.94694		324.75	54	0	0	
4 2 72	2419	320,98	.94699	0000-0900	325.75	35	325.75	35	
4 3 72	2419	320,98	.94703	1145-2400	324.27	51	324.25	49	
4 4 72	2419	320,98	.94708	0000-2400	324.35	73	324.35	73	
4 5 72	2419	320,98	.94713	0000-2400	324.70	87	324.70	87	

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, 98 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 6 72	2419	320,98	.94718	0000-2400	324.99	96	324.99	95	
4 7 72	2419	320,98	.94723	0000-0800, 1745-2400	325.97	96	325.70	57	
4 8 72	2419	320,98	.94728	0000-0600, 1745-2400	326.51	96	326.34	49	
4 9 72	2419	320,98	.94732	0000-1400, 1745-2400	326.44	96	326.65	81	
4 10 72	2419	320,98	.94737	0000-0900	327.04	74	326.83	35	
4 11 72	2419	320,98	.94742	0245-2400	326.71	96	326.62	85	
4 12 72	2419	320,98	.94747	0000-2400	326.76	96	326.69	92	
4 13 72	2419	320,98	.94752	0000-0800, 1345-2400	326.46	91	326.31	73	
4 14 72	2419	320,98	.94757	0000-2400	326.26	96	326.25	91	
4 15 72	2419	320,98	.94761	1145-2400	326.73	96	326.27	49	
4 16 72	2419	320,98	.94766	0000-2400	326.41	96	326.38	93	
4 17 72	2419	320,98	.94771	0000-2400	326.01	96	326.01	95	
4 18 72	2419	320,98	.94776	0000-0900, 1845-2400	326.00	76	326.18	57	
4 19 72	2419	320,98	.94781	0000-2400	326.01	96	326.01	95	
4 20 72	2419	320,98	.94786	0000-2400	326.17	96	326.17	95	
4 21 72	2419	320,98	.94790	0000-2400	326.01	78	326.01	73	
4 22 72	2419	320,98	.94795	0000-2400	326.13	96	326.12	95	
4 23 72	2419	320,98	.94800	0000-2400	326.98	96	326.96	95	
4 24 72	2419	320,98	.94805	0000-0600, 1945-2400	326.87	96	327.34	41	
4 25 72	2419	320,98	.94810	0000-0900	326.76	73	327.37	35	
4 26 72	2419	320,98	.94815		326.55	96	0	0	
4 27 72	2419	320,98	.94820	0000-2400	326.25	96	326.25	95	
4 28 72	2419	320,98	.94824	0000-1445					
4 28 72	4286	321,49	.94824	1500-2400	326.43	71	326.43	71	
4 29 72	4286	321,49	.94829	0000-2400	326.53	96	326.53	95	
4 30 72	4286	321,49	.94834	0000-2400	326.43	96	326.43	95	
MONTHLY AVERAGES					326.11 (30 DAYS),		326.14 (28 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 72	4286	321,49	.94839	0000-1100, 2045-2400	325,66	94	326,53	55	
5 2 72	4286	321,49	.94844	0000-1200, 2015-2400	326,27	96	326,61	63	
5 3 72	4286	321,49	.94849	0000-1100, 2115-2400	326,21	96	326,63	55	
5 4 72	4286	321,49	.94853	0000-1000, 1715-2400	326,47	76	326,51	63	
5 5 72	4286	321,49	.94858	0000-1200, 2315-2400	326,35	96	326,53	51	
5 6 72	4286	321,49	.94863	0000-1000	326,17	96	326,75	36	
5 7 72	4286	321,49	.94868	0000-1100, 2315-2400	325,83	96	326,29	47	
5 8 72	4286	321,49	.94873	0000-1200	325,95	96	326,39	43	
5 9 72	4286	321,49	.94878	2345-2400	325,87	94	326,33	1	
5 10 72	4286	321,49	.94883	0000-1230, 2345-2400	325,89	96	326,19	51	
5 11 72	4286	321,49	.94887	0000-0730, 2015-2400	326,01	96	326,32	45	
5 12 72	4286	321,49	.94892	0000-0900, 2115-2400	326,19	73	326,44	47	
5 13 72	4286	321,49	.94897	0000-2400	325,72	96	325,72	95	
5 14 72	4286	321,49	.94902	0000-1100, 2315-2400	325,74	96	325,96	47	
5 15 72	4286	321,49	.94907	0000-1030, 2115-2400	325,95	96	326,07	53	
5 16 72	4286	321,49	.94912	0000-1200, 2015-2400	326,32	96	326,64	63	
5 17 72	4286	321,49	.94916	0000-0900, 1915-2400	326,29	74	326,56	55	
5 18 72	4286	321,49	.94921	0000-1000, 1715-2400	326,44	96	326,53	67	
5 19 72	4286	321,49	.94926	0000-1200, 2015-2400	326,35	96	326,41	63	
5 20 72	4286	321,49	.94931	0000-1300, 2015-2400	326,39	96	326,47	67	
5 21 72	4286	321,49	.94936	0000-1200, 2115-2400	326,26	96	326,54	57	
5 22 72	4286	321,49	.94941	0000-0900					
5 22 72	1008	321,55	.94941	1915-2400	326,32	75	326,54	55	
5 23 72	1008	321,55	.94946	0000-0530, 1645-2400	326,76	90	326,66	51	
5 24 72	1008	321,55	.94950	0000-1100, 1645-2400	326,62	95	326,65	73	
5 25 72	1008	321,55	.94955	0000-0900, 1815-2400	326,57	95	326,60	57	
5 26 72	1008	321,55	.94960	0000-1200, 1915-2400	326,40	96	326,66	67	
5 27 72	1008	321,55	.94965	0000-2400	326,60	95	326,60	95	
5 28 72	1008	321,55	.94970	0000-0230, 0715-2400	326,85	96	326,75	77	

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	321,55	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 72	1008	321,55	.94975	0000-1200, 2315-2400	326,38	96	326,74	51	
5 30 72	1008	321,55	.94980	0000-2400	326,55	96	326,55	96	
5 31 72	1008	321,55	.94984	0000-0900, 1415-2400	326,55	75	326,55	74	
MONTHLY AVERAGES					326.26 (31 DAYS),		326.43 (31 DAYS)		
6 1 72	1008	321,55	.94989	0000-1000, 2015-2400	326,35	96	326,50	55	
6 2 72	1008	321,55	.94994	0000-2400	326,06	96	326,06	96	
6 3 72	1008	321,55	.94999	0000-1100, 1615-2400	326,06	96	326,30	75	
6 4 72	1008	321,55	.95004	0000-2400	325,98	96	325,99	96	
6 5 72	1008	321,55	.95009	0000-1000, 1915-2400	325,96	72	326,07	53	
6 6 72	1008	321,55	.98262	0000-1030, 1815-2400	325,88	96	325,72	65	
6 7 72	1008	321,55	.98169	0000-0800, 1615-2400	325,71	96	325,63	63	
6 8 72	1008	321,55	.98076	0000-1100	325,36	89	325,73	42	
6 9 72	1008	321,55	.97983	0415-1100	325,35	96	325,52	27	
6 10 72	1008	321,55	.97891		326,02	96	0	0	
6 11 72	1008	321,55	.97799		326,13	96	0	0	
6 12 72	1008	321,55	.97706	0000-2400	325,74	96	325,74	96	
6 13 72	1008	321,55	.97615	0000-1000, 1645-2400	325,53	70	325,53	63	
6 14 72	1008	321,55	.97523	0000-1200, 2315-2400	325,03	96	325,46	51	
6 15 72	1008	321,55	.97431	0000-2400	325,70	96	325,70	96	
6 16 72	1008	321,55	.97340	0000-0900					
6 16 72	4290	321,51	.97340		325,99	38	325,87	33	
6 17 72	4290	321,51	.97249	0315-1300, 1915-2400	325,62	94	325,75	53	
6 18 72	4290	321,51	.97158	0000-1200, 1815-2400	325,65	96	325,69	71	
6 19 72	4290	321,51	.97067	0000-0830, 2015-2400	325,38	90	325,52	47	
6 20 72	4290	321,51	.96976	0000-0900, 2015-2400	324,54	96	324,66	51	
6 21 72	4290	321,51	.96885	0000-0800					
6 21 72	1008	321,55	.96885		324,51	69	324,71	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	
6 22 72	1008	321,55	.96795	2315-2400	325.03	96	324.49	3	
6 23 72	1008	321,55	.96705	0000-0800					
6 23 72	4290	321,51	.96705	2315-2400	325.17	94	325.00	35	
6 24 72	4290	321,51	.96615	0000-0830, 1745-2400	324.94	96	325.01	59	
6 25 72	4290	321,51	.96525	0000-0630, 1515-2400	325.01	96	324.91	61	
6 26 72	4290	321,51	.96435	0000-0930, 1515-2400	325.01	75	325.01	73	
6 27 72	4290	321,51	.96346	0000-2400	325.12	96	325.12	95	
6 28 72	4290	321,51	.96256	0000-0800	324.28	96	324.46	32	
6 29 72	4290	321,51	.96167	0000-0700, 2315-2400	324.11	77	324.79	25	
6 30 72	4290	321,51	.96078	0000-2400	324.71	96	324.71	96	
MONTHLY AVERAGES					325.40 (30 DAYS),		325.42 (28 DAYS)		
7 1 72	4290	321,51	.95989	0000-0800	324.75	96	325.00	32	
7 2 72	4290	321,51	.95901	0115-1200	324.99	96	325.35	43	
7 3 72	4290	321,51	.95812	0315-1700, 1815-2400	325.30	96	325.30	73	
7 4 72	4290	321,51	.95724	0000-2400	325.53	96	325.53	95	
7 5 72	4290	321,51	.95635	0000-0900, 1445-2400	325.33	75	325.33	73	
7 6 72	4290	321,51	.95547	0000-0900, 1915-2400	324.78	96	325.09	55	
7 7 72	4290	321,51	.95460	0000-0500, 2345-2400	324.20	96	324.33	21	
7 8 72	4290	321,51	.95372	0000-1200	324.07	96	324.30	43	
7 9 72	4290	321,51	.95284	0000-2400	324.47	96	324.47	95	
7 10 72	4290	321,51	.95197	1515-2400	325.01	74	324.87	35	
7 11 72	4290	321,51	.95110	0000-2400	324.47	96	324.47	95	
7 12 72	4290	321,51	.95022	0000-2400	324.61	96	324.61	96	
7 13 72	4290	321,51	.94936	0000-0900					
7 13 72	11076	320,20	.94936	1615-2400	324.26	70	324.26	67	
7 14 72	11076	320,20	.94849	0000-1300, 1915-2400	323.73	96	324.08	71	
7 15 72	11076	320,20	.94762	0000-1000	324.19	96	324.18	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	ALL DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS	STEADY DATA MANO- METRIC CONC.	NO. OF COMPARI- SONS		
7 16 72	11076	320,20	.94676	1515-2400	324.13	96	323.38	35	
7 17 72	11076	320,20	.94589	1715-2400	324.51	95	324.27	27	
7 18 72	11076	320,20	.94503	0000-1100, 2215-2400	324.24	96	324.56	51	
7 19 72	11076	320,20	.94417	0000-1200, 2215-2400	324.40	96	324.63	53	
7 20 72	11076	320,20	.94331	0000-1200	324.38	96	324.63	43	
7 21 72	11076	320,20	.94246	2315-2400	324.33	92	325.01	3	
7 22 72	11076	320,20	.94160	0000-1100, 1615-2400	324.16	94	324.53	73	
7 23 72	11076	320,20	.94075	0000-0830	324.28	35	324.28	31	
7 26 72	11076	320,20	.93165	1645-2230	323.16	26	323.15	23	
7 27 72	11076	320,20	.93143	0715-1400, 2215-2400	323.83	76	324.29	31	
7 28 72	11076	320,20	.93121	0000-1030	324.23	87	324.28	42	
7 31 72	11076	320,20	.93054	1715-2400	323.59	34	324.01	26	
MONTHLY AVERAGES					324.40 (27 DAYS),		324.53 (27 DAYS)		
8 1 72	11076	320,20	.93032	0000-1100, 2015-2400	324.12	94	324.30	57	
8 2 72	11076	320,20	.93010	0000-1200, 2015-2400	323.94	96	324.27	63	
8 3 72	11076	320,20	.92988	0000-0700, 2145-2400	323.37	71	323.71	37	
8 4 72	11076	320,20	.92965	0000-1000, 2215-2400	322.56	96	323.15	47	
8 5 72	11076	320,20	.92943	0000-1000, 2115-2400	323.00	96	323.42	49	
8 6 72	11076	320,20	.92921	0000-1200, 2215-2400	322.81	92	323.21	51	
8 7 72	11076	320,20	.92899	0000-0830, 2115-2400	322.78	92	323.26	43	
8 8 72	11076	320,20	.92877	0000-1200	322.70	73	323.09	41	
8 9 72	11076	320,20	.92855	0115-0930, 1915-2400	323.00	91	323.14	49	
8 10 72	11076	320,20	.92833	0000-0800, 2015-2400	322.39	89	322.58	44	
8 11 72	11076	320,20	.92810	0000-0830					
8 11 72	4277	320,07	.92810		322.11	60	322.03	23	
8 12 72	4277	320,07	.92788	2315-2400	323.15	92	323.60	3	
8 13 72	4277	320,07	.92766	0000-1200, 1915-2400	323.51	92	323.62	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 COMPARISONS	STEADY DATA MANO-METRIC CONC.	NO. OF COMPARISONS
8 14 72	4277	320.07	.92744	0000-0430,	1845-2400	323.58	88	323.71	35
8 15 72	4277	320.07	.92722	0000-1100,	1815-2400	323.48	94	323.73	65
8 16 72	4277	320.07	.92700	0000-0900,	1815-2400	323.26	94	323.64	57
8 17 72	4277	320.07	.92678	0000-2400		323.64	96	323.64	95
8 18 72	4277	320.07	.92656	0000-0700,	1615-2400	323.30	96	323.22	57
8 19 72	4277	320.07	.92634	0000-0900,	1845-2400	323.11	93	322.81	53
8 20 72	4277	320.07	.92612	0000-0600,	1915-2400	323.23	93	322.89	41
8 21 72	4277	320.07	.92590	1815-2400		322.66	70	322.71	23
8 22 72	4277	320.07	.92568	0000-1000,	1945-2400	322.49	94	322.60	53
8 23 72	4277	320.07	.92546	0000-0800,	1945-2400	321.24	96	321.72	47
8 24 72	4277	320.07	.92524	0000-0800,	1915-2400	320.73	96	320.62	51
8 25 72	4277	320.07	.92502	0000-0530,	1815-2400	320.85	73	320.75	45
8 26 72	4277	320.07	.92480	0615-1730,	2315-2400	321.71	90	321.13	42
8 27 72	4277	320.07	.92458	0000-1000,	1745-2400	322.31	89	322.37	57
8 28 72	4277	320.07	.92436	0000-0700,	2015-2400	322.13	96	322.93	43
8 29 72	4277	320.07	.92414	0000-2400		321.82	93	321.82	93
8 30 72	4277	320.07	.92392	0000-0900,	1415-2400	321.53	92	321.54	71
8 31 72	4277	320.07	.92370	0000-0500		321.89	68	321.72	20
MONTHLY AVERAGES						322.66 (31 DAYS),	322.80 (31 DAYS)		
9 1 72	4277	320.07	.92349	0000-0630,	1915-2400	320.18	92	320.01	43
9 2 72	4277	320.07	.92327	0015-1000,	2015-2400	321.71	92	322.05	51
9 3 72	4277	320.07	.92305	0000-1030,	1715-2400	322.13	95	322.26	63
9 4 72	4277	320.07	.92283	0000-0730,	2015-2400	321.52	94	321.96	45
9 5 72	4277	320.07	.92261	0000-0900		321.86	96	322.40	31
9 6 72	4277	320.07	.92239	0000-0900					
9 6 72	2418	321.20	.92239	2015-2400		321.98	69	322.30	50
9 7 72	2418	321.20	.92217	0000-2400		322.24	94	322.23	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.	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 8 72	2418	321.20	.92196	0000-0900, 1615-2400	322.35	95	322.57	67	
9 9 72	2418	321.20	.92174	0000-1030	321.68	96	322.86	42	
9 10 72	2418	321.20	.92152	0315-1030	321.85	92	322.62	25	
9 11 72	2418	321.20	.92130	1615-2400	322.13	96	321.54	31	
9 12 72	2418	321.20	.92108	0000-0930	321.99	78	322.33	33	
9 13 72	2418	321.20	.92087	0000-0900, 1445-2400	322.00	81	322.03	73	
9 14 72	2418	321.20	.92065	0000-1000	321.89	96	322.25	40	
9 15 72	2418	321.20	.92043	0145-0930, 1445-2400	322.27	74	322.14	67	
9 16 72	2418	321.20	.92021	0000-2300	321.43	96	321.43	90	
9 17 72	2418	321.20	.92000	0315-1200, 1815-2400	320.62	96	320.81	53	
9 18 72	2418	321.20	.91978	0000-1130, 1815-2400	320.65	96	320.97	60	
9 19 72	2418	321.20	.91956	0000-0900, 1515-2400	320.49	85	320.50	71	
9 20 72	2418	321.20	1.45763	0000-1200, 1915-2400	319.00	95	319.30	67	
9 21 72	2418	321.20	1.45763	0000-0930, 1415-2400	320.21	76	320.21	75	
9 22 72	2418	321.20	1.45763	0000-1130, 1845-2400	320.35	96	320.60	67	
9 23 72	2418	321.20	1.45763	0000-1400, 1915-2400	320.44	96	320.87	75	
9 24 72	2418	321.20	1.45763	0000-1300	320.61	96	320.94	52	
9 25 72	2418	321.20	.92119	0000-0800, 2045-2400	321.65	93	322.20	45	
9 26 72	2418	321.20	.92069	0000-1200, 2015-2400	320.95	96	321.33	63	
9 27 72	2418	321.20	.92019	0000-0930, 1415-2400	320.88	73	320.90	71	
9 28 72	2418	321.20	.91969	0000-2400	320.97	96	320.97	95	
9 29 72	2418	321.20	.91918	0000-0900, 1915-2400	320.35	95	320.66	55	
9 30 72	2418	321.20	.91868	0000-0900	320.30	96	320.78	35	
MONTHLY AVERAGES						321.22 (30 DAYS)	321.47 (30 DAYS)		
0 1 72	2418	321.20	.91818	0000-1130	318.97	96	319.60	46	
0 2 72	2418	321.20	.91768						
0 2 72	4296	320.34	.91758		320.98	72	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.	320, 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 3 72	4296	320,34	.91718	1645-2400	321.28	87	321.11	27	
10 4 72	4296	320,34	.91669	0000-1200	321.07	95	321.17	45	
10 5 72	4296	320,34	.91619	1815-2400	321.17	96	320.94	23	
10 6 72	4296	320,34	.91569	0000-0900, 2345-2400	320.63	96	320.90	37	
10 7 72	4296	320,34	.91519	0000-1100	320.68	94	321.05	43	
10 8 72	4296	320,34	.91470		320.79	96	0	0	
10 9 72	4296	320,34	.91420	0545-2400	322.25	96	322.43	73	
10 10 72	4296	320,34	.91371	0000-0900, 1545-2400	322.36	72	322.37	66	
10 11 72	4296	320,34	.91321	0000-0700	321.66	91	322.23	24	
10 12 72	4296	320,34	.91272		321.59	96	0	0	
10 13 72	4296	320,34	.91222		321.96	92	0	0	
10 14 72	4296	320,34	.91173	0000-1200	321.62	94	322.06	45	
10 15 72	4296	320,34	.91124	0045-2200	321.99	94	322.03	84	
10 16 72	4296	320,34	.91074	0045-1230	322.17	96	322.49	45	
10 17 72	4296	320,34	.91025	0745-1300, 2145-2400	321.57	92	321.59	30	
10 18 72	4296	320,34	.90976	0000-0900, 2015-2400	321.50	69	321.56	49	
10 19 72	4296	320,34	.90927	0000-1000	321.31	94	321.32	33	
10 20 72	4296	320,34	.90878	0345-0930, 1445-2400	321.84	76	321.77	59	
10 21 72	4296	320,34	.90829	0315-2400	321.89	94	321.92	81	
10 22 72	4296	320,34	.90780	0000-2400	321.72	96	321.71	94	
10 23 72	4296	320,34	.90731	0000-0900, 1945-2400	321.62	96	321.67	53	
10 24 72	4296	320,34	.90682	0000-1200, 1845-2400	321.60	96	321.78	69	
10 25 72	4296	320,34	.90634	0315-0930, 1945-2400	321.66	76	321.83	41	
10 26 72	4296	320,34	.90585	0000-1030, 1845-2400	321.66	96	321.81	63	
10 27 72	4296	320,34	.90536	0000-0930					
10 27 72	11081	322,26	.90536	1715-2400	321.91	72	321.93	64	
10 28 72	11081	322,26	.90488	0000-0930, 2015-2400	322.31	96	322.27	53	
10 29 72	11081	322,26	.90439	0000-2400	322.93	96	322.93	96	
10 30 72	11081	322,26	.90391	0000-1930	322.98	94	322.82	76	

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 31 72	11081	322,26	.90342	0715-2400	322.99	96	322.80	67	
MONTHLY AVERAGES					321.63 (31 DAYS),		321.78 (27 DAYS)		
11 1 72	11081	322,26	.90294	1445-2400	322.28	75	322.25	37	
11 2 72	11081	322,26	.90246	0000-0600	322.68	65	322.34	24	
11 3 72	11081	322,26	.90197	1045-1700, 2345-2400	322.75	52	322.90	22	
11 4 72	11081	322,26	.90149	0000-1200	322.63	96	322.93	48	
11 5 72	11081	322,26	.90101	0245-2400	322.56	96	322.59	85	
11 6 72	11081	322,26	.90053	0000-0400, 1715-2400	322.69	96	322.96	43	
11 7 72	11081	322,26	.90005	0000-0530	322.61	74	323.22	22	
11 8 72	11081	322,26	.89957		322.24	95	0	0	
11 9 72	11081	322,26	.89909	0000-0930					
11 9 72	4295	320,98	.89909	1515-2400	322.28	72	322,28	72	
11 10 72	4295	320,98	.89861	0000-0900	322,39	96	322,17	33	
11 11 72	4295	320,98	.89813	0245-1300	322,87	96	323,29	41	
11 12 72	4295	320,98	.89765	1145-2400	322,93	92	322,90	45	
11 13 72	4295	320,98	.89717	0000-1300, 1745-2400	322,56	95	322,60	76	
11 14 72	4295	320,98	.89670	0315-0930	322,78	76	322,50	24	
11 15 72	4295	320,98	.90092	0845-1930	323,38	96	323,24	43	
11 16 72	4295	320,98	.90207	0445-2330	323,39	96	323,28	73	
11 17 72	4295	320,98	.90322	1245-2000	323,11	96	322,54	29	
11 18 72	4295	320,98	.90437	1115-2400	323,01	96	322,92	51	
11 19 72	4295	320,98	.90553	0000-1000	322,74	96	322,84	40	
11 20 72	4295	320,98	.90669	1545-2400	323,33	74	322,95	33	
11 21 72	4295	320,98	.90785	0000-2400	322,76	94	322,76	94	
11 22 72	4295	320,98	.90901	0000-1030, 1745-2400	322,94	83	322,98	67	
11 23 72	4295	320,98	.91018	0000-2400	323,22	96	323,22	96	
11 24 72	4295	320,98	.91135	0000-2400	323,31	96	323,31	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.	320,98 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 72	4295	320,98	.91253	0000-0200, 0545-1200	323.17	96	323.41	33	
11 26 72	4295	320,98	.91371	0345-1100, 1345-2400	323.65	96	323.85	70	
11 27 72	4295	320,98	.91489	0000-0930, 2345-2400	323.95	75	323.86	37	
11 28 72	4295	320,98	.91607	0000-2400	323.45	96	323.44	95	
11 29 72	4295	320,98	.91726	0000-2400	323.31	96	323.31	95	
11 30 72	4295	320,98	.91845	0000-2400	323.61	96	323.61	95	
MONTHLY AVERAGES					322.95 (30 DAYS),		322.98 (29 DAYS)		
12 1 72	4295	320,98	.91964	0000-0900					
12 1 72	4276	320,23	.91964	1615-2400	323.20	70	323.21	67	
12 2 72	4276	320,23	.92083	0000-2400	323.17	96	323.17	95	
12 3 72	4276	320,23	.92203	0000-2400	323.64	96	323.64	95	
12 4 72	4276	320,23	.92323	0000-2400	323.63	96	323.63	95	
12 5 72	4276	320,23	.92444	0000-1000, 1915-2400	323.52	96	323.61	59	
12 6 72	4276	320,23	.92565	0000-1200	323.52	96	323.55	43	
12 7 72	4276	320,23	.92686	0000-2400	323.48	96	323.48	95	
12 8 72	4276	320,23	.92807	0000-0900	323.57	74	323.47	35	
12 9 72	4276	320,23	.92929	0000-1200, 1815-2400	323.85	96	323.95	71	
12 10 72	4276	320,23	.93051	0000-2400	323.86	96	323.86	95	
12 11 72	4276	320,23	.93174	0000-2400	323.79	96	323.79	95	
12 12 72	4276	320,23	.93297	0000-2400	323.80	96	323.80	95	
12 13 72	4276	320,23	.93420	0000-2400	324.14	96	324.14	95	
12 14 72	4276	320,23	.93543	0000-0930, 1615-2400	324.09	71	324.08	67	
12 15 72	4276	320,23	.93667	0000-2400	323.91	96	323.90	94	
12 16 72	4276	320,23	.93791	0000-2400	324.15	96	324.15	95	
12 17 72	4276	320,23	.93915	1615-2400	324.57	94	324.26	29	
12 18 72	4276	320,23	.94040	0000-2400	324.16	96	324.16	96	
12 19 72	4276	320,23	.94165	0000-0930, 1615-2400	324.15	71	324.15	69	

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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 TANK NO.	320, 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 20 72	4276	320,23	.94290	0000-2400	324.58	96	324.58	96	
12 21 72	4276	320,23	.94416	0000-2400	324.71	96	324.71	96	
12 22 72	4276	320,23	.94542	0000-0900					
12 22 72	10074	320,49	.94542	1645-2400	324.59	68	324.59	65	
12 23 72	10074	320,49	.94668		324.78	96	0	0	
12 24 72	10074	320,49	.94795	1815-2400	324.31	96	324.14	23	
12 25 72	10074	320,49	.94922	0000-0400, 1715-2400	324.36	96	324.24	43	
12 26 72	10074	320,49	.95050	0000-1200, 1915-2400	324.24	96	324.31	67	
12 27 72	10074	320,49	.95177	1315-2400	324.61	56	324.70	43	
12 28 72	10074	320,49	.95306	0000-1000	324.74	73	324.62	37	
12 29 72	10074	320,49	.95434	0515-2400	324.63	96	324.47	75	
12 30 72	10074	320,49	.95563	0000-0800	324.51	96	324.49	32	
12 31 72	10074	320,49	.95692	0315-2400	324.82	96	324.79	83	
				MONTHLY AVERAGES	324.10	(31 DAYS),	324.05	(30 DAYS)	
1 1 73	10074	320,49	.95821	0000-2400	324.98	96	324.98	96	
1 2 73	10074	320,49	.95951	0000-0930	324.79	96	325.23	38	
1 3 73	10074	320,49	.96081		325.05	70	0	0	
1 4 73	10074	320,49	.96212		324.80	96	0	0	
1 5 73	10074	320,49	.97399	1745-2400	325.04	94	324.58	25	
1 6 73	10074	320,49	.97447	0000-2400	324.61	96	324.61	95	
1 7 73	10074	320,49	.97496	0845-1530	324.89	96	325.16	27	
1 8 73	10074	320,49	.97544	0045-1000	324.76	74	324.80	35	
1 9 73	10074	320,49	.97593	0245-1200	325.03	96	325.24	37	
1 10 73	10074	320,49	.97641	0000-0930	324.99	96	325.19	33	
1 11 73	10074	320,49	.97690	0815-2400	325.14	96	325.06	63	
1 12 73	10074	320,49	.97739	0000-2400	324.70	91	324.70	91	
1 13 73	10074	320,49	.97788	0000-2400	325.01	96	325.01	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.	320, 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 14 73	10074	320,49	.97836	0000-1230	324.59	96	324.94	51	
1 15 73	10074	320,49	.97885	0000-1000					
1 15 73	4286	322,80	.97885	1545-2400	324.75	72	324.75	72	
1 16 73	4286	322,80	.97934	0645-1300	324.98	96	324.81	25	
1 17 73	4286	322,80	.97983	0000-1100	324.54	96	324.84	44	
1 18 73	4286	322,80	.98032		325.00	89	0	0	
1 19 73	4286	322,80	.98081	0000-1230	324.95	96	325.19	51	
1 20 73	4286	322,80	.98130	0000-1600	324.91	96	324.89	61	
1 21 73	4286	322,80	.98179	0000-1100	325.07	96	325.33	44	
1 22 73	4286	322,80	.98229		325.28	96	0	0	
1 23 73	4286	322,80	.98278	0000-1200	325.27	96	325.22	43	
1 24 73	4286	322,80	.98327	1445-2400	325.44	75	325.26	37	
1 25 73	4286	322,80	.98376	0000-1200	325.17	96	325.23	43	
1 26 73	4286	322,80	.98426	1845-2400	325.45	96	325.29	21	
1 27 73	4286	322,80	.98475	0000-2200	325.38	96	325.33	83	
1 28 73	4286	322,80	.98525	0000-1000	325.53	96	325.30	40	
1 29 73	4286	322,80	.98574	0245-2230	325.42	96	325.35	79	
1 30 73	4286	322,80	.98624	1545-2400	325.45	73	325.32	33	
1 31 73	4286	322,80	.98674	0000-1300, 2045-2400	325.36	96	325.54	65	
MONTHLY AVERAGES					325.04 (31 DAYS),		325.08 (27 DAYS)		
2 1 73	4286	322,80	.98723	0000-0900, 1615-2400	325.44	93	325.40	67	
2 2 73	4286	322,80	.98773		325.19	96	0	0	
2 3 73	4286	322,80	.98823	0000-1030, 1745-2400	325.40	96	325.37	67	
2 4 73	4286	322,80	.98873	0000-0930, 1745-2400	325.63	96	325.65	63	
2 5 73	4286	322,80	.98922	0000-1000	325.54	76	325.69	39	
2 6 73	4286	322,80	.98972	0000-0600	325.92	96	325.97	24	
2 7 73	4286	322,80	.99022	0000-1200	325.65	96	326.05	43	

TABLE 8 . DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	322, 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 8 73	4286	322,80	.99072	0245-2400		325.70	96	325.62	85
2 9 73	4286	322,80	.99123	0000-0930					
2 9 73	2407	322,97	.99123	1445-2400		325.91	75	325.91	75
2 10 73	2407	322,97	.99173	0000-2400		326.12	96	326.12	93
2 11 73	2407	322,97	.99223	0000-1100, 1545-2200		325.98	96	325.90	67
2 12 73	2407	322,97	.99273	1615-2400		326.03	96	325.81	31
2 13 73	2407	322,97	.99323	0000-1030		325.96	96	325.94	42
2 14 73	2407	322,97	.99374	0000-1130, 1945-2400		326.10	96	326.17	63
2 15 73	2407	322,97	.99424	0000-1000		325.65	74	326.12	37
2 16 73	2407	322,97	.99475	0000-0700		325.37	96	325.36	23
2 17 73	2407	322,97	.99525	0545-1530		325.72	96	325.91	39
2 18 73	2407	322,97	.99576	0000-0530		326.17	96	326.36	22
2 19 73	2407	322,97	.99626	0000-1200		325.80	96	326.39	43
2 20 73	2407	322,97	.99677	0000-1230		325.68	96	325.83	50
2 21 73	2407	322,97	.99728	0000-1130		326.13	96	326.04	46
2 22 73	2407	322,97	.99778	0000-0730, 1545-2400		326.22	75	326.18	63
2 23 73	2407	322,97	.99829	0000-1000		326.04	96	326.04	40
2 24 73	2407	322,97	.99880	0000-1200, 1945-2400		326.06	96	326.22	65
2 25 73	2407	322,97	.99931	0000-0600		326.19	96	326.34	21
2 26 73	2407	322,97	.99982	0000-0830, 1415-2400		326.01	96	325.95	73
2 27 73	2407	322,97	1.00033	0000-1000		325.53	40	325.53	40
2 28 73	2407	322,97	1.00084	1315-2400		325.52	43	325.52	43
MONTHLY AVERAGES						325.81 (28 DAYS),	325.90 (27 DAYS)		
3 1 73	2407	322,97	1.00135	0000-1100		325.56	95	325.69	44
3 2 73	2407	322,97	1.00186			325.79	58	0	0
3 3 73	2407	322,97	1.00238	1515-2400		326.22	37	326.22	35
3 4 73	2407	322,97	1.00289	0000-0800		326.92	31	326.92	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	
3 5 73	2407	322.97	1.00340	1115-1900	326.67	50	326.64	30	
3 6 73	2407	322.97	1.00392	0000-0800					
3 6 73	2419	322.91	1.00392	1715-2400	326.67	66	326.65	53	
3 7 73	2419	322.91	1.00443	0000-1200	326.53	96	326.93	43	
3 8 73	2419	322.91	1.00495	0000-2400	326.20	84	326.20	84	
3 9 73	2419	322.91	1.00546	0000-1330	326.04	96	326.22	54	
3 10 73	2419	322.91	1.00598	0000-0830, 1915-2330	326.41	96	326.34	51	
3 11 73	2419	322.91	1.00649	0415-0930, 1715-2400	326.30	96	326.25	43	
3 12 73	2419	322.91	1.00701	0000-0530, 1245-2400	326.65	92	326.57	65	
3 13 73	2419	322.91	1.00753	0000-0800	326.90	31	326.90	31	
3 14 73	2419	322.91	1.00805		326.15	54	0	0	
3 15 73	2419	322.91	1.00856	0000-0930, 1845-2400	326.52	95	326.48	59	
3 16 73	2419	322.91	1.00908	0000-0800	326.73	76	326.59	32	
3 17 73	2419	322.91	1.00960	0345-1100	327.16	96	327.37	29	
3 18 73	2419	322.91	1.01012		327.28	96	0	0	
3 19 73	2419	322.91	1.01064	0445-2400	327.30	96	327.23	77	
3 20 73	2419	322.91	1.01117	0000-0830, 1645-2400	327.01	95	326.94	63	
3 21 73	2419	322.91	1.01169	0000-0700, 1645-2330	326.80	74	326.69	55	
3 22 73	2419	322.91	1.01221		326.50	96	0	0	
3 23 73	2419	322.91	1.01273		327.38	96	0	0	
3 24 73	2419	322.91	1.01326		327.29	96	0	0	
3 25 73	2419	322.91	1.01378	0000-0830	326.76	96	326.80	34	
3 26 73	2419	322.91	1.01431	1845-2400	327.18	90	327.03	21	
3 27 73	2419	322.91	1.01483	1815-2400	327.63	96	328.40	23	
3 28 73	2419	322.91	1.01536	0815-2330	327.97	96	327.82	61	
3 29 73	2419	322.91	1.01588	1545-2400	326.97	54	326.81	33	
3 30 73	2419	322.91	1.01641	0000-0800	327.23	91	327.09	32	
3 31 73	2419	322.91	1.01694	0000-0630, 1815-2400	326.90	95	326.76	49	
MONTHLY AVERAGES						326.76 (31 DAYS),	326.78 (25 DAYS)		

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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 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	
4 1 73	2419	322,91	1.01746	0000-0600, 1445-2200	326.86	96	326.70	53	
4 2 73	2419	322,91	1.01799	0315-1000	326.83	96	326.86	27	
4 3 73	2419	322,91	1.01852	0000-0800	327.21	94	327.19	32	
4 4 73	2419	322,91	1.01905	1515-2400	328.13	96	328.33	35	
4 5 73	2419	322,91	1.01958	0000-0700					
4 5 73	3756	323,04	1.01958	1545-2400	327.90	69	327.88	61	
4 6 73	3756	323,04	1.02011	0000-0730	328.40	96	327.70	30	
4 7 73	3756	323,04	1.02064	0000-0930, 1915-2400	327.50	96	327.35	57	
4 8 73	3756	323,04	1.02117	0000-0730	327.79	96	327.53	30	
4 9 73	3756	323,04	1.02171	0000-0900	327.60	96	327.48	36	
4 10 73	3756	323,04	1.02224	0000-0630	327.09	74	327.04	26	
4 11 73	3756	323,04	1.02277	0000-0730, 1715-2330	327.63	96	327.41	53	
4 12 73	3756	323,04	1.02331	1545-2200	327.74	96	327.27	25	
4 13 73	3756	323,04	1.02384	0000-0430, 1615-2400	327.96	96	327.71	49	
4 14 73	3756	323,04	1.02438	0000-2400	327.57	96	327.57	95	
4 15 73	3756	323,04	1.02491	0415-0930, 1645-2400	327.80	96	327.47	50	
4 16 73	3756	323,04	1.02545	0000-2400	327.60	95	327.60	95	
4 17 73	3756	323,04	1.02598	0000-0930	327.66	75	327.46	37	
4 18 73	3756	323,04	1.02652	0000-0830	328.65	96	328.38	34	
4 19 73	3756	323,04	1.02706	0000-0600	328.69	96	329.21	24	
4 20 73	3756	323,04	1.02760		327.71	79	0	0	
4 21 73	3756	323,04	1.02814	1745-2400	328.36	96	328.09	25	
4 22 73	3756	323,04	1.02868	0000-1900	328.09	96	328.21	76	
4 23 73	3756	323,04	1.02922	0000-0800, 1745-2400	327.89	96	327.70	57	
4 24 73	3756	323,04	1.02976	0000-0630	327.64	94	327.57	26	
4 25 73	3756	323,04	1.03030	0000-0630	327.92	93	327.84	24	
4 26 73	3756	323,04	1.03084	1645-2400	328.48	77	328.58	29	
4 27 73	3756	323,04	1.03138		328.29	96	0	0	
4 28 73	3756	323,04	1.03192		328.37	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	
4 29 73	3756	323.04	1.03247		328.48	96	0	0	
4 30 73	3756	323.04	1.03301	0000-0630	328.61	80	328.80	25	
MONTHLY AVERAGES					327.88 (30 DAYS),		327.73 (26 DAYS)		
5 1 73	3756	323.04	1.03356						
5 1 73	34803	322.70	1.03356	1515-2400	328.28	72	328.09	35	
5 2 73	34803	322.70	1.03410	0000-0930, 2145-2400	328.56	96	328.49	47	
5 3 73	34803	322.70	1.03465	0000-1030, 2145-2400	328.23	96	328.04	51	
5 4 73	34803	322.70	1.03519	0000-0630, 1615-2400	328.27	96	328.12	57	
5 5 73	34803	322.70	1.03574	0000-2400	328.26	96	328.26	96	
5 6 73	34803	322.70	1.03629	0000-0900	328.46	96	328.77	36	
5 7 73	34803	322.70	1.03684	0045-1700	328.72	66	328.72	63	
5 8 73	34803	322.70	1.03739	1945-2400	328.11	55	328.22	17	
5 9 73	34803	322.70	1.03793	0000-0700, 2245-2400	328.43	96	328.30	33	
5 10 73	34803	322.70	1.03848	0000-0800, 1445-2400	328.26	76	328.18	60	
5 11 73	34803	322.70	1.03904	0000-2130	328.65	92	328.73	85	
5 12 73	34803	322.70	1.03959	0215-0700, 2045-2400	328.41	96	328.49	32	
5 13 73	34803	322.70	1.04014	0000-2400	328.77	96	328.77	96	
5 14 73	34803	322.70	1.04069	0000-2400	328.73	96	328.73	96	
5 15 73	34803	322.70	1.04124	0000-0630, 2045-2400	328.61	96	328.34	30	
5 16 73	34803	322.70	1.04180	0000-0930, 1945-2400	328.74	75	328.92	54	
5 17 73	34803	322.70	1.04235	0000-2400	328.98	96	328.98	96	
5 18 73	34803	322.70	1.04290	0000-2400	328.88	96	328.88	96	
5 19 73	34803	322.70	1.04346	0000-2400	328.72	96	328.72	96	
5 20 73	34803	322.70	1.04402	0000-0500, 1645-2400	328.75	96	328.44	49	
5 21 73	34803	322.70	1.04457	0000-2400	328.73	96	328.73	96	
5 22 73	34803	322.70	1.04513	0000-1200	328.31	96	328.79	48	
5 23 73	34803	322.70	1.04569	0115-0930	328.57	61	329.07	32	

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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 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 24 73	34803	322,70	1.04624		0	0	0	0	
5 25 73	34803	322,70	1.04680	1245-2400	328.92	44	328.90	43	
5 26 73	34803	322,70	1.04736	0000-2400	328.86	96	328.86	95	
5 27 73	34803	322,70	1.04792	0000-2400	328.64	96	328.64	96	
5 28 73	34803	322,70	1.04848	0000-2400	328.78	95	328.78	95	
5 29 73	34803	322,70	1.04904	0000-1000					
5 29 73	34816	322,38	1.04904	1515-2000	328.61	58	328.62	57	
5 30 73	34816	322,38	1.04961		327.92	24	0	0	
5 31 73	34816	322,38	1.05017	0945-2400	328.61	57	328.61	57	
MONTHLY AVERAGES					328.56 (30 DAYS)		328.59 (29 DAYS)		
6 1 73	34816	322,38	1.05073	0000-2400	328.45	95	328.45	95	
6 2 73	34816	322,38	1.05129	0000-1100, 2145-2400	328.27	90	328.24	47	
6 3 73	34816	322,38	1.05186	0000-0900, 2145-2400	328.89	96	328.94	45	
6 4 73	34816	322,38	1.05242	0000-2400	328.72	96	328.72	95	
6 5 73	34816	322,38	1.05299	0000-0700, 2045-2400	328.82	94	328.64	41	
6 6 73	34816	322,38	1.01391	0000-0930, 1415-2400	328.92	68	328.92	63	
6 7 73	34816	322,38	1.01425	0000-2400	328.61	96	328.61	95	
6 8 73	34816	322,38	1.01460	0000-2400	328.53	93	328.53	93	
6 9 73	34816	322,38	1.01495	0000-2400	328.85	96	328.85	95	
6 10 73	34816	322,38	1.01530	0000-0500, 1245-2400	328.71	94	328.71	63	
6 11 73	34816	322,38	1.01565	0000-0930, 2045-2400	328.46	76	328.77	50	
6 12 73	34816	322,38	1.01599	0000-2400	328.98	95	328.98	95	
6 13 73	34816	322,38	1.01634	0000-2400	328.71	95	328.71	95	
6 14 73	34816	322,38	1.01669	0000-0930					
6 14 73	35316	322,28	1.01669	1515-2400	328.04	73	328.04	72	
6 15 73	35316	322,28	1.01704	0000-2400	328.20	96	328.20	95	
6 16 73	35316	322,28	1.01739	0000-1030	328.32	85	328.37	42	

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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 TANK NO.	322,28 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 17 73	35316	322,28	1.01774	0000-0800, 2145-2400	328.51	96	328.41	41	
6 18 73	35316	322,28	1.01809	0000-0900	328.48	94	328.29	33	
6 19 73	35316	322,28	1.01844	1845-2400	328.79	59	327.65	21	
6 20 73	35316	322,28	1.01879	0000-0630	327.55	95	328.01	26	
6 21 73	35316	322,28	1.01914	0000-1100	327.58	96	328.29	41	
6 22 73	35316	322,28	1.01949	0000-0930, 2045-2400	327.44	74	327.83	51	
6 23 73	35316	322,28	1.01984	0000-2400	327.31	96	327.31	93	
6 24 73	35316	322,28	1.02020	0000-2400	327.46	96	327.46	96	
6 25 73	35316	322,28	1.02055	0000-1530, 2145-2400	327.70	58	327.84	43	
6 26 73	35316	322,28	1.02090	0000-2400	327.44	47	327.44	47	
6 27 73	35316	322,28	1.02125	0000-0930, 1445-2400	0	0	0	0	
6 28 73	35316	322,28	1.02160	0000-2400	0	0	0	0	
6 29 73	35316	322,28	1.02196	0000-2400	0	0	0	0	
6 30 73	35316	322,28	1.02231	0000-1000, 1245-2400	0	0	0	0	
MONTHLY AVERAGES						328.30 (26 DAYS),	328.32 (26 DAYS)		
7 1 73	35316	322,28	1.02266		0	0	0	0	
7 2 73	35316	322,28	1.02302						
7 2 73	35394	322,13	1.02302		324.46	37	0	0	
7 3 73	35394	322,13	1.02337		324.51	96	0	0	
7 4 73	35394	322,13	1.02372	1945-2400	326.57	96	327.48	17	
7 5 73	35394	322,13	1.02408	0000-1100, 1645-2400	327.65	96	327.80	73	
7 6 73	35394	322,13	1.02443	0000-2400	327.80	92	327.80	92	
7 7 73	35394	322,13	1.02479	0000-1200	328.12	96	328.28	43	
7 8 73	35394	322,13	1.02514	0000-2400	327.92	96	327.92	93	
7 9 73	35394	322,13	1.02550	0000-1500	327.21	96	327.58	61	
7 10 73	35394	322,13	1.02585		326.69	86	0	0	
7 11 73	35394	322,13	1.02621	0000-0930	326.67	74	327.16	37	

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 73	35394	322,13	1.02656	0000-2200	327.44	96	327.50	83	
7 13 73	35394	322,13	1.02692	0845-1530	327.30	96	327.78	27	
7 14 73	35394	322,13	1.02728		326.40	96	0	0	
7 15 73	35394	322,13	1.02763	1945-2400	326.74	96	327.19	16	
7 16 73	35394	322,13	1.02799	0000-0600					
7 16 73	35316	322,28	1.02799		326.19	73	327.17	24	
7 17 73	35316	322,28	1.02835		326.20	96	0	0	
7 18 73	35316	322,28	1.02870						
7 18 73	34816	322,38	1.02870		325.57	88	0	0	
7 19 73	34816	322,38	1.02906	0000-0700, 2045-2400	325.70	96	325.80	41	
7 20 73	34816	322,38	1.02942	0000-0800					
7 20 73	35394	322,13	1.02942		325.94	94	326.10	32	
7 21 73	35394	322,13	1.02978	0045-1030, 1945-2400	326.45	96	326.83	53	
7 22 73	35394	322,13	1.03014	0000-1030, 2245-2400	326.50	90	326.86	47	
7 23 73	35394	322,13	1.03049	0000-2400	326.58	96	326.58	95	
7 24 73	35394	322,13	1.03085		325.09	96	0	0	
7 25 73	35394	322,13	1.03121						
7 25 73	34940	321,23	1.03121		325.50	71	0	0	
7 26 73	34940	321,23	1.03157		325.52	96	0	0	
7 27 73	34940	321,23	1.03193	1945-2400	326.01	86	326.52	17	
7 28 73	34940	321,23	1.03229	0000-1430	326.28	96	326.33	53	
7 29 73	34940	321,23	1.03265	0345-1000, 2115-2400	326.33	96	326.14	36	
7 30 73	34940	321,23	1.03301		325.96	96	0	0	
7 31 73	34940	321,23	1.03337		326.48	96	0	0	
MONTHLY AVERAGES					326.39 (30 DAYS),		327.10 (19 DAYS)		
8 1 73	34940	321,23	1.03373	0000-1630, 2045-2400	326.52	96	326.60	79	
8 2 73	34940	321,23	1.03409	0000-0530	325.37	96	326.35	22	

TABLE 8 , DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	321, 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 3 73	34940	321,23	1.03446			325.17	73	0	J
8 4 73	34940	321,23	1.03482			325.62	96	0	J
8 5 73	34940	321,23	1.03518			326.06	85	0	J
8 6 73	34940	321,23	1.03554	0045-1700		325.77	96	325.86	65
8 7 73	34940	321,23	1.03590	0000-1400		325.74	96	326.19	55
8 8 73	34940	321,23	1.03627			325.47	74	0	J
8 9 73	34940	321,23	1.03663			324.99	96	0	J
8 10 73	34940	321,23	1.03699	0245-0900		325.25	96	326.40	25
8 11 73	34940	321,23	1.03736	1945-2400		325.26	96	325.17	17
8 12 73	34940	321,23	1.03772	0000-0630		325.55	96	325.34	26
8 13 73	34940	321,23	1.03808	0045-0930		325.62	74	326.00	34
8 14 73	34940	321,23	1.03845	0045-0900		324.58	96	325.82	33
8 15 73	34940	321,23	1.03881			324.67	96	0	J
8 16 73	34940	321,23	1.03918	0045-1200		325.41	96	325.82	45
8 17 73	34940	321,23	1.03954	0045-0600		323.88	94	325.16	21
8 18 73	34940	321,23	1.03991			323.44	96	0	J
8 19 73	34940	321,23	1.04027	0045-1400		325.21	96	325.52	53
8 20 73	34940	321,23	1.04064	0045-1200		324.87	96	325.80	45
8 21 73	34940	321,23	1.04100			323.63	96	0	J
8 22 73	34940	321,23	1.04137	0045-0930		323.09	96	323.84	35
8 23 73	34940	321,23	1.04174	0245-0930					
8 23 73	35299	321,17	1.04174			324.34	72	324.95	26
8 24 73	35299	321,17	1.04210	0045-1230		325.25	96	325.71	47
8 25 73	35299	321,17	1.04247	0000-2400		324.69	96	324.69	96
8 26 73	35299	321,17	1.04284			324.33	96	0	J
8 27 73	35299	321,17	1.04320	0045-1100, 2045-2400		324.17	96	324.57	54
8 28 73	35299	321,17	1.04357	0000-1000		324.12	96	325.10	40
8 29 73	35299	321,17	1.04394	0000-0700		323.32	75	325.19	23
8 30 73	35299	321,17	1.04431			322.42	96	0	J

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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 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 31 73	35299	321,17	1.04468		323.16	96	0	0	
MONTHLY AVERAGES					324.74 (31 DAYS),		325.50 (20 DAYS)		
9 1 73	35299	321,17	1.04505	0245-0630, 2045-2400	323.78	96	324.89	23	
9 2 73	35299	321,17	1.04541	0000-0830, 2145-2400	324.09	96	324.83	43	
9 3 73	35299	321,17	1.04578	0000-0830, 2115-2400	324.02	96	324.84	45	
9 4 73	35299	321,17	1.04615	0000-0700	323.40	96	324.31	23	
9 5 73	35299	321,17	1.04652	0145-1130	323.94	45	324.06	33	
9 6 73	35299	321,17	1.00769	0000-1400	324.07	54	324.07	51	
9 7 73	35299	321,17	1.05731	1745-2400	323.07	27	323.09	25	
9 8 73	35299	321,17	1.05731	0000-1130	324.11	55	323.61	41	
9 9 73	35299	321,17	0		0	0	0	0	
9 10 73	35299	321,17	0		0	0	0	0	
9 11 73	35299	321,17	1.10138	0145-0730	324.49	24	324.50	23	
9 12 73	35299	321,17	0		0	0	0	0	
9 13 73	35299	321,17	0		0	0	0	0	
9 14 73	35299	321,17	0		0	0	0	0	
9 15 73	35299	321,17	0		0	0	0	0	
9 16 73	35299	321,17	0		0	0	0	0	
9 17 73	35299	321,17	0		0	0	0	0	
9 18 73	35299	321,17	0		0	0	0	0	
9 19 73	35299	321,17	0		0	0	0	0	
9 20 73	35299	321,17	0		0	0	0	0	
9 20 73	35370	322,00	0		0	0	0	0	
9 21 73	35370	322,00	.99177	0345-1130, 1945-2400	323.60	64	323.93	39	
9 22 73	35370	322,00	.99177	0000-2400	323.84	94	323.84	94	
9 23 73	35370	322,00	.99177	0000-1000	323.31	83	323.40	43	
9 24 73	35370	322,00	.99177		323.07	32	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	
9 25 73	35370	322.00	.99177	0000-1730	323.06	30	323.06	30	
9 26 73	35370	322.00	.99177		322.99	14	0	0	
9 27 73	35370	322.00	.99177		322.06	36	0	0	
9 28 73	35370	322.00	.99177		0	0	0	0	
9 29 73	35370	322.00	.99177		0	0	0	0	
9 30 73	35370	322.00	.99177		0	0	0	0	
MONTHLY AVERAGES					323.56 (16 DAYS),		324.04 (13 DAYS)		
10 1 73	35370	322.00	.99177		323.21	15	0	0	
10 2 73	35370	322.00	.99177		324.60	13	0	0	
10 3 73	35370	322.00	.99177		322.79	25	0	0	
10 4 73	35370	322.00	.99177		323.28	29	0	0	
10 5 73	35370	322.00	.99177	0245-2400	323.94	75	324.02	69	
10 6 73	35370	322.00	.99177	0000-2400	323.19	77	323.11	63	
10 7 73	35370	322.00	.99177	0000-2400	323.27	88	323.26	81	
10 8 73	35370	322.00	.99177	0000-2400	323.36	72	323.26	57	
10 9 73	35370	322.00	.99177	0000-0830, 1845-2400	323.64	65	323.73	50	
10 10 73	35370	322.00	.99177		323.58	46	0	0	
10 11 73	35370	322.00	.99177	0145-2130	323.89	59	323.87	57	
10 12 73	35370	322.00	.99177		323.73	9	0	0	
10 13 73	35370	322.00	.99177		0	0	0	0	
10 14 73	35370	322.00	.99177		0	0	0	0	
10 15 73	35370	322.00	.99177		324.16	39	0	0	
10 16 73	35370	322.00	.99177		323.78	41	0	0	
10 16 73	11092	317.75	.99177		323.67	93	323.58	53	
10 17 73	11092	317.75	.99177	0115-1030, 1815-2400	323.69	69	323.69	63	
10 18 73	11092	317.75	.99177	0000-1000, 1645-2400	323.90	95	323.75	65	
10 19 73	11092	317.75	.99177	0000-0600, 1315-2400					

TABLE 8 , DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	317,75 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 20 73	11092	317,75	.99177	0000-1030, 1845-2400		324.01	96	323.61	63
10 21 73	11092	317,75	.99177	0000-0900, 1815-2400		324.11	91	323.71	59
10 22 73	11092	317,75	1.07007	0000-0830, 2215-2400		324.31	63	323.78	41
10 23 73	11092	317,75	1.07007	0000-2400		323.99	94	323.82	90
10 24 73	11092	317,75	1.07007	0000-2400		323.97	94	323.97	87
10 25 73	11092	317,75	1.07007	0000-2400		323.34	82	323.36	63
10 26 73	11092	317,75	1.07007	0000-1130, 1545-2400		323.28	96	323.12	77
10 27 73	11092	317,75	1.07007	0000-0500		323.84	94	323.25	20
10 28 73	11092	317,75	1.07007			324.76	33	0	0
10 29 73	11092	317,75	1.07007	1615-2400		323.62	38	323.63	30
10 30 73	11092	317,75	1.07007	0000-1000, 1545-2400		323.69	71	323.69	69
10 31 73	11092	317,75	1.07007	0000-2400		323.95	93	323.81	83
MONTHLY AVERAGES						323.74 (29 DAYS),		323.60 (20 DAYS)	
11 1 73	11092	317,75	1.07007	0000-0600, 0915-2400		323.75	94	323.75	81
11 2 73	11092	317,75	1.07007	0000-1230, 1845-2400		323.91	94	324.09	63
11 3 73	11092	317,75	1.07007	0000-2400		323.97	96	323.89	83
11 4 73	11092	317,75	1.07007			324.28	96	0	0
11 5 73	11092	317,75	1.07007			325.09	35	0	0
11 6 73	11092	317,75	1.07007			323.94	50	0	0
11 7 73	11092	317,75	1.07007	0115-2400		324.12	96	324.14	91
11 8 73	11092	317,75	1.07007	0000-1000					
11 8 73	35234	321,43	1.07007			324.41	64	324.48	33
11 9 73	35234	321,43	1.07007			323.86	57	0	0
11 10 73	35234	321,43	1.07007	0000-2400		324.30	95	324.30	95
11 11 73	35234	321,43	1.07007	0000-2400		324.53	96	324.53	91
11 12 73	35234	321,43	1.07007			328.55	48	0	0
11 13 73	35234	321,43	1.07007			0	0	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	
11 14 73	35234	321.43	1.07007		324.12	42	0	J	
11 15 73	35234	321.43	1.07007		324.08	34	0	J	
11 16 73	35234	321.43	1.07007	0415-1200	324.74	37	324.75	23	
11 17 73	35234	321.43	1.07007		0	0	0	J	
11 18 73	35234	321.43	1.07007		0	0	0	J	
11 19 73	35234	321.43	1.07007		324.56	42	0	J	
11 20 73	35234	321.43	1.07007	0215-1030	324.64	41	324.72	29	
11 21 73	35234	321.43	0		0	0	0	J	
11 22 73	35234	321.43	0		0	0	0	J	
11 23 73	35234	321.43	1.01350	1800-2200	324.70	17	324.57	12	
11 24 73	35234	321.43	1.01350		325.14	10	0	J	
11 25 73	35234	321.43	1.01350		0	0	0	J	
11 26 73	35234	321.43	1.01350	0745-2400	325.48	59	325.51	55	
11 27 73	35234	321.43	1.01350	0000-0700, 1745-2030	325.07	55	325.11	35	
11 28 73	35234	321.43	1.01350	1615-2400	325.60	74	324.83	19	
11 29 73	35234	321.43	1.01350		325.14	43	0	J	
11 30 73	35234	321.43	1.01350	0045-2100	325.47	86	325.38	65	
MONTHLY AVERAGES					324.73 (24 DAYS),		324.58 (14 DAYS)		
12 1 73	35234	321.43	1.01350		325.56	63	0	J	
12 2 73	35234	321.43	1.01350	1545-2200	325.69	64	325.49	21	
12 3 73	35234	321.43	1.01350	0445-1430	325.51	61	325.53	35	
12 4 73	35234	321.43	1.01350	0115-1000					
12 4 73	35260	321.62	1.01350		325.19	29	325.19	24	
12 5 73	35260	321.62	1.01350		0	0	0	J	
12 6 73	35260	321.62	0		0	0	0	J	
12 7 73	35260	321.62	0		0	0	0	J	
12 8 73	35260	321.62	0		0	0	0	J	

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 9 73	35260	321,62	0		0	0	0	0	
12 10 73	35260	321,62	0		0	0	0	0	
12 11 73	35260	321,62	1.24646		325,52	18	0	0	
12 12 73	35260	321,62	1.24494	0000-2400	325,42	84	325,42	84	
12 13 73	35260	321,62	1.24342	0000-2400	324,91	85	324,91	85	
12 14 73	35260	321,62	1.24191	0000-2400	325,06	90	325,06	90	
12 15 73	35260	321,62	1.24140	0000-2400	325,23	90	325,23	90	
12 16 73	35260	321,62	1.23889	0000-2400	324,54	90	324,54	90	
12 17 73	35260	321,62	1.23739	0000-2400	325,01	90	325,01	90	

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 18 73	35260	321.62	1.23589	0000-2400	324.89	72	324.89	72	
12 19 73	35260	321.62	1.23439	0000-2400	324.74	88	324.74	88	
12 20 73	35260	321.62	1.23290	0000-2400	324.37	80	324.37	80	
12 21 73	35260	321.62	1.23141	0000-2400	324.58	88	324.58	87	
12 22 73	35260	321.62	1.22993	0000-2400	324.72	88	324.72	83	
12 23 73	35260	321.62	1.22844	0000-2400	324.77	86	324.72	82	
12 24 73	35260	321.62	1.22697	0000-2400	324.45	88	324.44	85	
12 25 73	35260	321.62	1.22549	0000-1400, 2045-2400	324.40	88	324.65	61	
12 26 73	35260	321.62	1.22402	0000-2400	325.11	88	325.11	83	
12 27 73	35260	321.62	1.22255	0000-2400	324.87	88	324.87	83	
12 28 73	35260	321.62	1.22109	0000-2400	325.05	88	325.05	83	
12 29 73	35260	321.62	1.21963	0000-2400	325.06	88	325.06	83	
12 30 73	35260	321.62	1.21817	0000-1100	325.00	39	325.00	39	
12 31 73	35260	321.62	1.21672		0	0	0	0	
MONTHLY AVERAGES					324.99 (24 DAYS),		324.94 (22 DAYS)		
1 1 74	35260	321.62	0*		0	0	0	0	
1 2 74	35260	321.62	1.24053	2000-2400	325.12	16	325.12	16	
1 3 74	35260	321.62	1.23269	0000-1000					
1 3 74	4274	319.10	1.23269	1545-2400	325.06	69	325.06	69	
1 4 74	4274	319.10	1.22797	0000-2400	325.36	93	325.36	93	
1 5 74	4274	319.10	1.22484	0000-2400	325.12	93	325.12	91	
1 6 74	4274	319.10	1.19293	0000-2400	324.90	93	324.90	93	
1 7 74	4274	319.10	1.19071	0000-2400	325.27	91	325.27	90	
1 8 74	4274	319.10	1.17831	0000-1000, 1545-2400	325.59	69	325.59	69	
1 9 74	4274	319.10	1.16971	0000-2400	325.66	93	325.66	93	
1 10 74	4274	319.10	1.17256	0000-2400	325.48	93	325.48	92	
1 11 74	4274	319.10	1.17256	0000-1030, 1545-2400	325.51	84	325.44	72	

* Beginning here, daily RSF's are used to calculate CO₂ concentration. The RSF listed is the last one used during

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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 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 12 74	4274	319,10	1.16404	0000-2400		325,41	93	325,41	93
1 13 74	4274	319,10	1.16829	0000-2400		325,54	93	325,54	93
1 14 74	4274	319,10	1.14875	0000-2400		325,73	86	325,73	85
1 15 74	4274	319,10	1.17256	0000-0900, 1545-2400		325,48	93	325,40	65
1 16 74	4274	319,10	1.16545	0000-2400		325,43	93	325,43	93
1 17 74	4274	319,10	1.18484	0000-1400		325,05	93	325,39	53
1 18 74	4274	319,10	1.18704			325,83	71	0	0
1 19 74	4274	319,10	1.18850	0000-2400		325,58	93	325,47	82
1 20 74	4274	319,10	1.20037	0000-2400		325,51	93	325,51	93
1 21 74	4274	319,10	1.19590	0000-1100, 2015-2400		325,39	93	325,87	56
1 22 74	4274	319,10	1.19145	0000-2400		326,07	93	326,07	93
1 23 74	4274	319,10	1.18704	0000-2400		325,58	93	325,58	93
1 24 74	4274	319,10	1.20037	0000-2400		325,82	71	325,82	69
1 25 74	4274	319,10	1.09014	0000-1000, 1445-2400		325,84	77	325,82	74
1 26 74	4274	319,10	0	0000-2000		326,62	77	326,62	77
1 27 74	4274	319,10	0			0	0	0	0
1 28 74	4274	319,10	1.05485	2000-2400		326,27	16	326,27	16
1 29 74	4274	319,10	1.06218	0000-1000					
1 29 74	34967	321,76	1.06218	1515-2400		326,63	71	326,59	69
1 30 74	34967	321,76	1.05811	0000-2400		326,48	92	326,48	92
1 31 74	34967	321,76	1.05407	0000-1100		326,91	87	327,12	33
MONTHLY AVERAGES						325,66 (29 DAYS),		325,68 (28 DAYS)	
2 1 74	34967	321,76	1.04873	0545-1300, 2045-2400		326,92	93	327,12	40
2 2 74	34967	321,76	1.04741	0000-1130, 2045-2400		326,59	93	326,93	56
2 3 74	34967	321,76	1.06082	0000-1300		326,51	93	326,87	47
2 4 74	34967	321,76	1.05811	0000-2400		326,56	93	326,56	93
2 5 74	34967	321,76	1.06082	0000-1000		326,46	93	326,91	37

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 6 74	34967	321,76	1.06082	0000-0700, 2145-2400	326,26	92	326,31	31	
2 7 74	34967	321,76	1.06218	0000-2400	326,83	74	326,83	71	
2 8 74	34967	321,76	1.05811	0000-2400	327,23	93	327,23	93	
2 9 74	34967	321,76	1.05811	0000-2400	327,39	93	327,39	93	
2 10 74	34967	321,76	1.05541	0000-2400	327,47	93	327,47	93	
2 11 74	34967	321,76	1.05676	0000-2400	327,38	93	327,36	82	
2 12 74	34967	321,76	1.06082	0000-0800, 2145-2400	327,30	93	327,32	33	
2 13 74	34967	321,76	1.05676	0000-2400	327,62	93	327,62	93	
2 14 74	34967	321,76	1.05879	0000-0600, 1745-2400	327,27	74	327,34	46	
2 15 74	34967	321,76	1.04873	0000-2400	327,04	92	327,04	90	
2 16 74	34967	321,76	1.05206	0000-2400	326,72	93	326,67	85	
2 17 74	34967	321,76	1.05140	0000-2400	326,65	93	326,63	89	
2 18 74	34967	321,76	1.05541	0000-2400	326,57	93	326,57	93	
2 19 74	34967	321,76	1.07458	0000-1030, 2145-2400	326,35	77	326,65	47	
2 20 74	34967	321,76	1.05860	0000-0930					
2 20 74	2407	319,00	1.05860	2045-2400	326,87	69	326,87	45	
2 21 74	2407	319,00	1.05169	0000-1000	327,12	93	327,02	37	
2 22 74	2407	319,00	1.04883	0000-2400	327,01	93	327,01	93	
2 23 74	2407	319,00	1.04713	0000-1200, 2045-2400	326,75	93	326,96	57	
2 24 74	2407	319,00	1.04600	0000-2400	326,61	93	326,57	90	
2 25 74	2407	319,00	1.05398	0000-2400	326,66	93	326,66	91	
2 26 74	2407	319,00	1.04883	0000-2400	326,87	93	326,83	91	
2 27 74	2407	319,00	1.05169	0000-0930, 2145-2400	326,76	93	327,09	44	
2 28 74	2407	319,00	1.05513	0000-0930, 2145-2400	325,95	73	326,38	43	
MONTHLY AVERAGES					326,85 (28 DAYS),		326,94 (28 DAYS)		
3 1 74	2407	319,00	1.05513	0000-1200, 1945-2400	326,58	93	326,69	58	
3 2 74	2407	319,00	1.05054	0000-2300	326,87	93	326,81	89	

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 3 74	2407	319,00	1.04600	0615-1100, 2145-2400	326,92	93	327,30	23	
3 4 74	2407	319,00	1.05283	0815-2400	327,57	93	327,20	63	
3 5 74	2407	319,00	1.05628	0000-2400	327,01	75	327,01	75	
3 6 74	2407	319,00	1.04940	0000-0900, 2145-2400	327,90	92	327,27	42	
3 7 74	2407	319,00	1.05802	0000-0700, 1615-2400	327,57	91	327,40	55	
3 8 74	2407	319,00	1.05860	0000-1100	327,44	93	327,50	41	
3 9 74	2407	319,00	1.04713	0245-0700, 2115-2400	327,28	91	327,29	27	
3 10 74	2407	319,00	1.04883		327,65	92	0		
3 11 74	2407	319,00	1.05513	0115-2400	327,39	93	327,22	83	
3 12 74	2407	319,00	1.06796	0000-2400	327,24	74	327,24	74	
3 13 74	2407	319,00	1.05802	0000-2400	327,77	93	327,77	93	
3 14 74	2407	319,00	1.06973	0000-2400	328,05	83	328,05	81	
3 15 74	2407	319,00	1.05513	0000-2400	328,12	93	328,12	93	
3 16 74	2407	319,00	1.05398	0000-2400	328,50	93	328,50	93	
3 17 74	2407	319,00	1.05283	0000-1100, 1815-2400	328,12	93	328,35	61	
3 18 74	2407	319,00	1.05398	0000-2400	328,14	93	328,14	93	
3 19 74	2407	319,00	1.04940	0000-1330	328,33	93	328,50	51	
3 20 74	2407	319,00	1.05425	0000-0930					
3 20 74	2419	322,20	1.05425	1545-2400	328,18	71	328,21	67	
3 21 74	2419	322,20	1.05013	0000-2400	327,96	90	327,96	83	
3 22 74	2419	322,20	1.05081	0000-2400	327,44	92	327,44	92	
3 23 74	2419	322,20	1.03863	0000-2200	327,77	93	327,70	83	
3 24 74	2419	322,20	1.03930	1445-2400	329,08	93	328,69	37	
3 25 74	2419	322,20	1.04199	0000-2400	329,35	93	329,36	83	
3 26 74	2419	322,20	1.05219	0000-0900, 1445-2400	328,21	93	327,85	70	
3 27 74	2419	322,20	1.05425	0000-0930	327,68	93	327,41	35	
3 28 74	2419	322,20	1.04604	0115-2400	327,01	71	326,97	63	
3 29 74	2419	322,20	1.04604	0000-2400	327,44	93	327,35	86	
3 30 74	2419	322,20	1.03930	0000-2400	327,37	93	327,35	82	

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	
3 31 74	2419	322.20	1.04266	0000-2400	327.58	93	327.58	93	
MONTHLY AVERAGES						327.73 (31 DAYS),	327.67 (30 DAYS)		
4 1 74	2419	322.20	1.04469	0000-2400	328.57	93	328.53	83	
4 2 74	2419	322.20	1.04876	0000-1100, 1845-2400	328.89	93	329.18	62	
4 3 74	2419	322.20	1.05632	0000-2400	328.97	93	328.95	91	
4 4 74	2419	322.20	1.05979	0000-2400	328.84	71	328.86	63	
4 5 74	2419	322.20	1.06118	0000-2400	328.92	93	328.92	93	
4 6 74	2419	322.20	1.05840	0000-2400	328.59	93	328.57	86	
4 7 74	2419	322.20	1.05425	0000-2400	328.55	93	328.52	87	
4 8 74	2419	322.20	1.04945	0000-2400	328.51	93	328.53	91	
4 9 74	2419	322.20	1.09282	0000-1030, 1715-2400	328.27	83	328.34	66	
4 10 74	2419	322.20	1.06609	0000-0400, 2045-2400	328.08	93	327.99	21	
4 11 74	2419	322.20	1.06398	0245-2400	328.15	72	328.04	64	
4 12 74	2419	322.20	1.06258	0000-2400	328.09	93	328.09	93	
4 13 74	2419	322.20	1.06258	0000-2200	328.19	93	328.16	81	
4 14 74	2419	322.20	1.06118	1545-2400	328.82	93	328.29	33	
4 15 74	2419	322.20	1.06680	0000-2400	329.01	93	329.01	93	
4 16 74	2419	322.20	1.05310	0000-0830					
4 16 74	2423	320.48	1.05310	1445-2400	329.13	73	329.11	63	
4 17 74	2423	320.48	1.04508	0000-2400	329.19	93	329.19	93	
4 18 74	2423	320.48	1.06886	0000-2400	328.99	88	328.99	83	
4 19 74	2423	320.48	1.07014	0000-2400	328.62	32	328.62	82	
4 20 74	2423	320.48	1.05000	0000-2400	329.09	92	329.09	92	
4 21 74	2423	320.48	1.05124	0000-2400	328.98	93	328.93	93	
4 22 74	2423	320.48	1.05746	0000-2400	329.48	93	329.46	87	
4 23 74	2423	320.48	1.05496	0000-2400	329.29	92	329.29	92	
4 24 74	2423	320.48	1.05872	0000-2400	329.47	93	329.47	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.	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 25 74	2423	320.48	1.07914	0000-0830, 1945-2400	328.89	74	329.53	43	
4 26 74	2423	320.48	1.04877	0000-0900, 2045-2400	329.09	93	329.40	46	
4 27 74	2423	320.48	1.05621	0000-1200, 1945-2100	328.97	93	329.51	62	
4 28 74	2423	320.48	1.04508	0000-1300, 1945-2400	329.04	93	329.31	66	
4 29 74	2423	320.48	1.04386	0000-2400	328.95	92	328.95	92	
4 30 74	2423	320.48	1.05490	0000-2400	328.96	92	328.96	90	
MONTHLY AVERAGES					328.82 (30 DAYS)		328.86 (30 DAYS)		
5 1 74	2423	320.48	1.05874	0000-2400	328.93	92	328.95	86	
5 2 74	2423	320.48	1.05594	0000-0930, 1945-2400	328.39	72	328.90	51	
5 3 74	2423	320.48	1.05874	0000-1200, 1945-2400	328.64	93	329.12	62	
5 4 74	2423	320.48	1.06014	0000-1200, 1945-2400	329.08	93	329.30	62	
5 5 74	2423	320.48	1.05385	0000-1100, 2045-2400	328.86	92	329.29	51	
5 6 74	2423	320.48	1.05385	0000-2400	329.04	93	329.04	93	
5 7 74	2423	320.48	1.05385	0000-2400	329.14	93	329.13	87	
5 8 74	2423	320.48	1.05909	0000-2400	329.18	91	329.17	87	
5 9 74	2423	320.48	1.06437	0000-2400	329.40	93	329.35	86	
5 10 74	2423	320.48	1.05594	0000-1300, 2215-2400	329.20	92	329.47	56	
5 11 74	2423	320.48	1.04970	0000-1300, 2045-2400	328.98	93	329.38	62	
5 12 74	2423	320.48	1.04559	0000-1100, 1745-2400	328.89	93	329.12	65	
5 13 74	2423	320.48	1.06919	0000-1430					
5 13 74	3/56	319.25	1.06919	1445-2400	329.29	68	329.24	65	
5 14 74	3/56	319.25	1.08150	0000-2400	329.08	92	329.08	92	
5 15 74	3/56	319.25	1.04930	0000-2400	329.16	93	329.16	93	
5 16 74	3/56	319.25	1.05322	0000-2400	329.20	93	329.19	92	
5 17 74	3/56	319.25	1.04348	0000-2400	329.07	93	329.07	93	
5 18 74	3/56	319.25	1.04444	0000-0800, 2245-2400	329.18	93	329.19	34	
5 19 74	3/56	319.25	1.04348	0000-2400	329.71	93	329.71	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.	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 20 74	3756	319.25	1.04203	0000-2400	329.63	93	329.63	93	
5 21 74	3756	319.25	1.04444	0000-2400	329.28	71	329.28	70	
5 22 74	3756	319.25	1.04444	0000-2400	329.12	93	329.12	93	
5 23 74	3756	319.25	1.06818	0000-2400	329.24	93	329.21	83	
5 24 74	3756	319.25	1.07429	0000-0600	329.41	84	329.50	21	
5 25 74	3756	319.25	1.08046	0745-2400	329.58	93	329.24	62	
5 26 74	3756	319.25	1.06415	0000-2400	329.15	93	329.15	93	
5 27 74	3756	319.25	1.06415	0000-2400	328.61	93	328.61	93	
5 28 74	3756	319.25	1.06415	0000-2400	328.56	71	328.56	71	
5 29 74	3756	319.25	1.06717	0000-2400	329.13	93	329.13	93	
5 30 74	3756	319.25	1.11049	0000-2400	329.27	92	329.27	92	
5 31 74	3756	319.25	1.12800	0000-0600, 0700-2400	329.17	86	329.17	86	
MONTHLY AVERAGES					329.11 (31 DAYS)		329.19 (31 DAYS)		
6 1 74	3756	319.25	1.09728	0000-2400	329.07	93	329.07	93	
6 2 74	3756	319.25	1.07021	0000-2400	329.23	93	329.23	93	
6 3 74	3756	319.25	1.09515	0000-1230, 2215-2400	328.78	93	329.12	54	
6 4 74	3756	319.25	1.08775	0000-2400	328.82	69	328.80	63	
6 5 74	3756	319.25	1.07429	0000-2400	328.73	93	328.67	83	
6 6 74	3756	319.25	1.05915	0000-2400	328.25	79	328.23	73	
6 7 74	3756	319.25	1.07943	0000-2400	328.16	93	328.16	93	
6 8 74	3756	319.25	0	0000-1600	328.34	59	328.34	59	
6 9 74	3756	319.25	0		0	0	0	0	
6 10 74	3756	319.25	1.35264						
6 10 74	181	320.33	1.35264		329.40	16	0	0	
6 11 74	181	320.33	2.37086	2000-2400	328.42	23	328.18	16	
6 12 74	181	320.33	0	0000-2000	328.35	77	328.28	74	
6 13 74	181	320.33	0		0	0	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.	TANK 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 14 74	181	320,33	1.11759	2000-2400	328,41	31	328,03	16	
6 15 74	181	320,33	0	0000-0600	328,37	20	328,37	20	
6 16 74	181	320,33	0		0	0	0	0	
6 17 74	181	320,33	1.17441		328,04	16	0	0	
6 18 74	181	320,33	1.11180		328,30	69	0	0	
6 19 74	181	320,33	0		328,70	44	0	0	
6 20 74	181	320,33	1.03868	1945-2400	328,67	32	328,93	17	
6 21 74	181	320,33	1.04171	0000-2400	328,70	92	328,70	92	
6 22 74	181	320,33	0	0000-2000	328,64	75	328,64	75	
6 23 74	181	320,33	0		0	0	0	0	
6 24 74	181	320,33	1.03518	0800-1800	327,53	36	327,53	36	
6 25 74	181	320,33	1.05294	0115-0930	327,71	67	328,19	32	
6 26 74	181	320,33	0		328,07	54	0	0	
6 27 74	181	320,33	1.04678		327,43	16	0	0	
6 28 74	181	320,33	1.05088	0000-2400	327,89	94	327,89	94	
6 29 74	181	320,33	1.04678	0000-1400, 1945-2400	327,83	94	328,08	71	
6 30 74	181	320,33	1.04780	0000-1300	327,94	94	328,20	50	
MONTHLY AVERAGES					328,38 (26 DAYS),		328,43 (20 DAYS)		
7 1 74	181	320,33	1.06337	0645-2400	327,97	94	327,59	67	
7 2 74	181	320,33	1.04780	0000-1130, 1815-2400	327,59	75	327,78	66	
7 3 74	181	320,33	1.05605	0000-2400	328,05	94	328,05	91	
7 4 74	181	320,33	1.04373	0000-2400	327,79	94	327,79	91	
7 5 74	181	320,33	1.04373	0000-2400	327,73	94	327,73	91	
7 6 74	181	320,33	0	0000-1200	327,73	59	327,94	46	
7 7 74	181	320,33	0		0	0	0	0	
7 8 74	181	320,33	1.04678	2000-2400	327,97	16	327,97	16	
7 9 74	181	320,33	1.05088	0000-2400	327,78	94	327,78	92	

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 10 74	181	320,33	1.04985	0000-1030, 2045-2400	327,37	94	327,80	53	
7 11 74	181	320,33	1.03210	0000-0930					
7 11 74	4296	319,30	1.03210	1915-2400	327,55	66	327,67	54	
7 12 74	4296	319,30	1.05509	0000-1445					
7 12 74	11083	319,02	1.05509	1570-2400	327,46	88	327,46	83	
7 13 74	11083	319,02	1.07298	0000-1000, 2315-2400	326,91	80	327,47	39	
7 14 74	11083	319,02	1.06695	0000-0830	326,19	91	327,36	31	
7 15 74	11083	319,02	1.07602	0145-1200	328,46	86	327,30	33	
7 16 74	11083	319,02	1.08317	0000-0730	326,14	91	326,91	27	
7 17 74	11083	319,02	1.06995	0000-1230	326,27	93	326,49	47	
7 18 74	11083	319,02	1.07247	0145-1000, 1915-2400	326,73	71	327,08	52	
7 19 74	11083	319,02	0	0000-1100	326,66	77	327,27	40	
7 20 74	11083	319,02	0		0	0	0	0	
7 21 74	11083	319,02	0		0	0	0	0	
7 22 74	11083	319,02	0		0	0	0	0	
7 23 74	11083	319,02	0		0	0	0	0	
7 24 74	11083	319,02	1.18390	0145-2400	327,91	90	327,92	87	
7 25 74	11083	319,02	1.13002	0000-0900					
7 25 74	4296	319,30	1.13002	2215-2400	327,00	70	327,44	39	
7 26 74	4296	319,30	0		326,29	29	0	0	
7 27 74	4296	319,30	0		0	0	0	0	
7 28 74	4296	319,30	0		0	0	0	0	
7 29 74	4296	319,30	1.17607		327,22	16	0	0	
7 30 74	4296	319,30	0	0000-0200	326,71	5	326,71	5	
7 31 74	4296	319,30	0		0	0	0	0	
MONTHLY AVERAGES					327,28 (23 DAYS),		327,50 (21 DAYS)		
8 1 74	4296	319,30	0		0	0	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	
8 2 74	4296	319.30	1.18786		325.66	27	0	0	
8 3 74	4296	319.30	1.19862	2215-2400	326.01	12	326.34	7	
8 4 74	4296	319.30	0	0000-0800	326.50	29	326.50	29	
8 5 74	4296	319.30	0		0	0	0	0	
8 6 74	4296	319.30	1.08724						
8 6 74	11081	320.50	1.08724		326.20	16	0	0	
8 7 74	11081	320.50	1.06978		325.77	91	0	0	
8 8 74	11081	320.50	1.10243	0000-0900	325.81	89	326.70	33	
8 9 74	11081	320.50	0	0000-0800	326.19	37	326.19	27	
8 10 74	11081	320.50	0		0	0	0	0	
8 11 74	11081	320.50	0		0	0	0	0	
8 12 74	11081	320.50	0		0	0	0	0	
8 13 74	11081	320.50	1.24766		323.94	16	0	0	
8 14 74	11081	320.50	1.23751		324.07	92	0	0	
8 15 74	11081	320.50	1.24620	0000-1030	324.55	86	324.96	39	
8 16 74	11081	320.50	1.23895	0115-1130, 2115-2400	325.42	91	325.69	52	
8 17 74	11081	320.50	1.23465	0000-1000	325.19	92	325.86	33	
8 18 74	11081	320.50	1.23465	0000-1200	325.11	92	325.70	46	
8 19 74	11081	320.50	1.23530	0000-1200	324.79	91	325.66	45	
8 20 74	11081	320.50	1.24508	0000-0800					
8 20 74	39345	317.78	1.24508	2000-2400	325.57	46	325.57	46	
8 21 74	39345	317.78	0	0000-0800	325.02	54	325.83	30	
8 22 74	39345	317.78	1.19910		323.77	41	0	0	
8 23 74	39345	317.78	1.14976	0000-1100	324.89	91	325.13	42	
8 24 74	39345	317.78	1.11044	0345-1200, 2115-2400	324.78	91	325.15	44	
8 25 74	39345	317.78	1.10584	0000-1200, 2015-2400	324.76	91	325.24	61	
8 26 74	39345	317.78	1.11096	0000-1200, 2015-2400	324.83	92	325.21	61	
8 27 74	39345	317.78	0	0000-0800	324.84	30	324.84	30	
8 28 74	39345	317.78	1.18843	0000-1000, 1915-2400	324.31	90	324.27	56	

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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 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 29 74	39345	317.78	1.14866	0000-0800, 2000-2100	324.34	46	324.34	46	
8 30 74	39345	317.78	1.12185	0000-2400	324.45	92	324.45	92	
8 31 74	39345	317.78	1.12133	0000-1100	324.17	92	324.57	42	
MONTHLY AVERAGES					325.04 (26 DAYS),		325.41 (20 DAYS)		
9 1 74	39345	317.78	1.13029	0415-1235	323.68	91	324.51	32	
9 2 74	39345	317.78	1.11767	0000-2400	323.95	92	323.95	92	
9 3 74	39345	317.78	1.12185	0000-0800	324.13	46	324.44	31	
9 4 74	39345	317.78	1.11353	0000-1200	324.15	91	324.27	46	
9 5 74	39345	317.78	1.11250	0000-2400	324.29	90	324.29	90	
9 6 74	39345	317.78	1.10737	0000-2400	324.19	92	324.19	92	
9 7 74	39345	317.78	1.11147	0000-2400	324.21	91	324.21	91	
9 8 74	39345	317.78	1.09977	0000-2400	324.27	92	324.27	92	
9 9 74	39345	317.78	1.10942	0000-0930, 1915-2400	324.02	91	324.15	55	
9 10 74	39345	317.78	1.10294	0000-0130, 0715-1200					
9 10 74	2405	319.31	1.10294		324.24	89	324.27	23	
9 11 74	2405	319.31	1.09596	0000-1130	323.95	91	324.39	43	
9 12 74	2405	319.31	1.09971	0000-0800	324.33	46	324.40	30	
9 13 74	2405	319.31	1.11386	0000-0930	323.72	92	324.36	36	
9 14 74	2405	319.31	1.10837	0000-0400, 2200-2400	323.17	22	323.17	22	
9 15 74	2405	319.31	1.09383	0000-2400	323.08	92	323.06	91	
9 16 74	2405	319.31	1.09329	0000-1030	322.27	92	322.92	40	
9 17 74	2405	319.31	1.10132	0345-0800, 2000-2400	323.23	46	323.21	33	
9 18 74	2405	319.31	1.09329	0000-0800, 2000-2400	323.27	45	323.27	45	
9 19 74	2405	319.31	1.09223	0000-1230, 2045-2400	323.34	90	323.64	59	
9 20 74	2405	319.31	1.08906	0000-2400	323.00	89	323.00	89	
9 21 74	2405	319.31	1.09223	0000-1100	322.51	90	323.01	42	
9 22 74	2405	319.31	1.09064	0045-1230, 1545-2400	323.14	90	323.16	74	

TABLE 8 , DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	TANK 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 23 74	2405	319,31	1.08591	0000-1200	322,91	91	323,60	45	
9 24 74	2405	319,31	1.08069	0145-0800, 2000-2400	322,72	44	322,73	41	
9 25 74	2405	319,31	1.08696	0000-0800, 2215-2400	323,24	45	323,20	36	
9 26 74	2405	319,31	1.09489	0000-0800, 2215-2400	323,67	45	323,67	32	
9 27 74	2405	319,31	1.12219	0000-0800, 2115-2400	323,85	45	323,88	41	
9 28 74	2405	319,31	1.14213	0000-0300, 2000-2400	323,85	25	323,85	25	
9 29 74	2405	319,31	1.12500	0000-0800, 2000-2400	323,62	46	323,62	46	
9 30 74	2405	319,31	1.11497	0000-0800, 2000-2400	324,01	46	324,01	46	
MONTHLY AVERAGES						323,60 (30 DAYS)	323,76 (30 DAYS)		
10 1 74	2405	319,31	1.16321	0000-0800					
10 1 74	11081	320,50	1.16321		323,75	46	323,83	31	
10 2 74	11081	320,50	1.12751	0000-0800	323,74	46	323,97	31	
10 3 74	11081	320,50	1.09845	2015-2400	324,25	46	323,97	15	
10 4 74	11081	320,50	1.09732	0000-1200, 1945-2400	322,97	90	323,37	63	
10 5 74	11081	320,50	1.14570	0000-1200, 2215-2400	322,97	90	323,24	53	
10 6 74	11081	320,50	1.13110	0000-1230, 1745-2400	323,65	90	323,73	72	
10 7 74	11081	320,50	1.17605	0000-1200, 1845-2400	323,38	90	323,56	66	
10 8 74	11081	320,50	1.17996	0000-0200	322,81	21	323,64	5	
10 9 74	11081	320,50	1.13714	1115-0800, 2045-2400	323,21	45	323,30	37	
10 10 74	11081	320,50	1.09845	0000-1200, 2015-2400	323,00	89	323,29	57	
10 11 74	11081	320,50	1.05495	0000-1100, 1915-2400	322,99	89	323,30	57	
10 12 74	11081	320,50	1.04666	0000-1200, 2115-2400	323,11	90	323,34	56	
10 13 74	11081	320,50	1.03951	0000-1100, 2115-2400	322,89	91	323,37	53	
10 14 74	11081	320,50	1.04154	0000-1200	323,04	90	323,42	41	
10 15 74	11081	320,50	1.03091						
10 15 74	3760	323,13	1.03091		323,54	43	0	0	
10 16 74	3760	323,13	1.02188	0345-1200, 1915-2400	323,87	92	324,01	52	

TABLE 8 . DAILY AVERAGE MANOMETRIC CONCENTRATIONS WITH CONTINUOUS ANALYZER

1	2	3	4	5	6	7	8	9	10
DATE	WORKING REFERENCE TANK NO.	323.13 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 17 74	3/60	323.13	1.02188	0000-1230	323.38	90	323.84	47	
10 18 74	3/60	323.13	1.03433	0000-1230	323.62	90	324.08	46	
10 19 74	3/60	323.13	1.02188	0000-1230, 1315-2400	323.93	91	323.94	90	
10 20 74	3/60	323.13	1.02077	0000-1200, 1915-2400	323.87	90	324.14	64	
10 21 74	3/60	323.13	1.08353	0000-2400	323.69	90	323.67	90	
10 22 74	3/60	323.13	0	0000-0800	323.65	30	323.65	30	
10 23 74	3/60	323.13	1.05418	0800-2400	323.67	57	323.67	57	
10 24 74	3/60	323.13	1.11856	0000-2400	324.02	88	324.02	83	
10 25 74	3/60	323.13	1.11456	0000-2400	323.95	91	323.95	91	
10 26 74	3/60	323.13	0	0000-0400	323.93	14	323.93	14	
10 27 74	3/60	323.13	0		0	0	0	0	
10 28 74	3/60	323.13	1.03204	2015-2400	323.92	53	324.04	15	
10 29 74	3/60	323.13	0	0000-0800	324.02	30	324.02	30	
10 30 74	3/60	323.13	0		0	0	0	0	
10 31 74	3/60	323.13	0		0	0	0	0	
MONTHLY AVERAGES					323.53 (28 DAYS),		323.72 (27 DAYS)		
11 1 74	3/60	323.13	1.29776	2000-2400	323.97	16	323.97	16	
11 2 74	3/60	323.13	1.23102	0000-1300, 1815-2400	324.05	91	324.19	72	
11 3 74	3/60	323.13	0	0000-2000	324.35	75	324.35	75	
11 4 74	3/60	323.13	1.2447	0800-2400	324.30	62	324.30	62	
11 5 74	3/60	323.13	1.16448	0000-0900, 1600-2400	324.36	65	324.36	63	
11 6 74	3/60	323.13	1.21809	0000-2400	324.37	92	324.37	92	
11 7 74	3/60	323.13	1.20640	0000-2400	324.46	91	324.46	91	
11 8 74	3/60	323.13	1.22172	0000-0800					
11 8 74	2405	319.31	1.22172	2000-2400	324.07	46	324.07	46	
11 9 74	2405	319.31	1.26846	0000-0100, 0745-2400	324.29	90	323.98	66	
11 10 74	2405	319.31	1.26506	0000-2400	324.07	90	324.07	90	

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	
11-11-74	2405	319,31	1.28571	0000-1200, 2015-2400	324,14	90	324,36	60	
11-12-74	2405	319,31	1.32171	0000-0800					
11-12-74	4276	321,16	1.32171	2000-2400	324,64	45	324,64	45	
11-13-74	4276	321,16	1.37058	0000-2400	324,70	91	324,70	91	
11-14-74	4276	321,16	1.46983	0000-0700	325,61	91	324,50	26	
11-15-74	4276	321,16	1.49169	0000-2400	325,30	92	325,30	92	
11-16-74	4276	321,16	1.43277	0000-2400	325,37	91	325,37	91	
11-17-74	4276	321,16	0	0000-1100	325,30	67	325,51	42	
11-18-74	4276	321,16	0		0	0	0	0	
11-19-74	4276	321,16	1.20580	2000-2400	324,89	16	324,89	16	
11-20-74	4276	321,16	1.19398	0000-2400	325,06	88	324,97	85	
11-21-74	4276	321,16	1.19481	0000-2400	324,84	91	324,81	90	
11-22-74	4276	321,16	1.18733	0000-1130, 2115-2400	324,63	92	324,90	55	
11-23-74	4276	321,16	1.21008	0000-1200	324,62	92	324,84	45	
11-24-74	4276	321,16	1.20580		324,51	92	0	0	
11-25-74	4276	321,16	1.11147	0000-0800, 1100-1200 2045-2400	324,28	79	324,50	47	
11-26-74	4276	321,16	1.12024	0000-0800, 2000-2400	324,80	46	324,80	46	
11-27-74	4276	321,16	2.36150	0000-0900, 2000-2400	325,10	49	325,10	49	
11-28-74	4276	321,16	2.38128	0000-2400	324,91	90	324,91	90	
11-29-74	4276	321,16	0	0000-1130	324,72	72	324,53	44	
11-30-74	4276	321,16	0		0	0	0	0	
MONTHLY AVERAGES					324,63 (28 DAYS),	324,62 (27 DAYS)			
12-1-74	4276	321,16	1.19733		324,88	9	0	0	
12-2-74	4276	321,16	0		325,00	22	0	0	
12-3-74	4276	321,16	0		324,32	45	0	0	
12-4-74	4276	321,16	0		323,70	24	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 TANK NO.	TANK INDEX	RECORDER SCALE FACTOR	HOURS OF RECORD USED FOR STEADY DATA	ALL MANO-METRIC CONC.	DATA NO. OF COMPARISONS	STEADY MANO-METRIC CONC.	DATA NO. OF COMPARISONS	
12 5 74	4276	321,16	0			0	0	0	J
12 6 74	4276	321,16	0			0	0	0	0
12 7 74	4276	321,16	0			0	0	0	J
12 8 74	4276	321,16	0			0	0	0	J
12 9 74	4276	321,16	2.36150	1445-1700, 2000-2400	326.02	23	326.04	22	
12 10 74	4276	321,16	1.39056	0000-0800					
12 10 74	4277	322,01	1.39056	2000-2400	325.50	46	325.50	46	
12 11 74	4277	322,01	2.33429	0000-0100, 0800-2400	325.61	66	325.61	66	
12 12 74	4277	322,01	1.13445	0000-0800, 1400-2400	325.62	70	325.62	70	
12 13 74	4277	322,01	0	0000-0930	325.93	53	325.82	36	
12 14 74	4277	322,01	0		0	0	0	0	J
12 15 74	4277	322,01	0		0	0	0	0	J
12 16 74	4277	322,01	2.42515	2000-2400	325.75	16	325.75	16	
12 17 74	4277	322,01	0	0000-0800	326.42	30	326.42	30	
12 18 74	4277	322,01	1.03846	1300-2400	325.80	42	325.80	42	
12 19 74	4277	322,01	1.03185	0000-0800	326.35	46	325.82	30	
12 20 74	4277	322,01	.99509	0415-2400	326.31	89	326.25	75	
12 21 74	4277	322,01	.83851	0000-2400	325.92	90	325.92	90	
12 22 74	4277	322,01	.95406	0000-2400	326.23	76	326.23	76	
12 23 74	4277	322,01	.91011	0000-2400	325.89	90	325.89	90	
12 24 74	4277	322,01	1.00124	0000-0800, 2000-2400	325.55	46	325.55	46	
12 25 74	4277	322,01	.88767	0000-2400	325.87	89	325.87	89	
12 26 74	4277	322,01	.86910	0000-2400	325.93	82	325.93	82	
12 27 74	4277	322,01	.90909	0000-0730, 1515-2400	326.10	87	325.77	60	
12 28 74	4277	322,01	.97473	0000-2400	325.82	91	325.82	91	
12 29 74	4277	322,01	1.02922	0000-2400	325.88	87	325.88	87	
12 30 74	4277	322,01	.88816	0000-0800, 2000-2400	326.31	46	326.31	46	
12 31 74	4277	322,01	0	0000-2000	325.96	73	325.96	73	

MONTHLY AVERAGES 325.71 (25 DAYS), 325.89 (21 DAYS)

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TABLE 9. Monthly Average CO₂ Concentration

<u>Date</u>	ALL DATA		STEADY DATA	
	<u>Conc.</u> <u>ppm</u>	<u>No. of</u> <u>Days</u>	<u>Conc.</u> <u>ppm</u>	<u>No. of</u> <u>Days</u>
JAN 72	323.33	31	323.35	30
FEB 72	324.21	29	324.21	29
MAR 72	324.55	31	324.49	27
APR 72	326.11	30	326.14	28
MAY 72	326.26	31	326.48	31
JUN 72	325.40	30	325.42	28
JUL 72	324.40	27	324.53	27
AUG 72	322.66	31	322.80	31
SEP 72	321.22	30	321.47	30
OCT 72	321.63	31	321.78	27
NOV 72	322.95	30	322.98	29
DEC 72	324.10	31	324.05	30
Av:	323.90		323.98	
JAN 73	325.04	31	325.08	27
FEB 73	325.81	28	325.90	27
MAR 73	326.76	31	326.78	25
APR 73	327.88	30	327.73	26
MAY 73	328.56	30	328.59	29
JUN 73	328.30	26	328.32	26
JUL 73	326.39	30	327.10	19
AUG 73	324.74	31	325.50	20
SEP 73	323.56	16	324.04	13
OCT 73	323.74	29	323.60	20
NOV 73	324.73	24	324.58	14
DEC 73	324.99	24	324.94	22
Av:	325.88		326.01	

TABLE 9. Monthly Average CO₂ Concentration

<u>Date</u>	<u>ALL DATA</u>		<u>STEADY DATA</u>	
	<u>Conc.</u> <u>ppm</u>	<u>No. of</u> <u>Days</u>	<u>Conc.</u> <u>ppm</u>	<u>No. of</u> <u>Days</u>
JAN 74	325.66	29	325.68	28
FEB 74	326.85	28	326.94	28
MAR 74	327.73	31	327.67	30
APR 74	328.82	30	328.86	30
MAY 74	329.11	31	329.19	31
JUN 74	328.38	26	328.43	20
JUL 74	327.28	23	327.50	21
AUG 74	325.04	26	325.41	20
SEP 74	323.60	30	323.76	30
OCT 74	323.53	28	323.72	27
NOV 74	324.63	28	324.62	27
DEC 74	325.71	25	325.89	21
Av:	326.36		326.47	

Table 10, which lists twelve month running means of CO₂ data in Reports 4 and 5, has not been included.

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

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Flask No.	Vol.	Date	Time LST	Position	Obsr	Index	Manometric		Field Sheet No.	Analysis Sheet No.	Report
							Flask Conc.	Daily Average			
I- 75	5	17 MAY 72	1605	19.5N 155.6W	FSC	322.62			142	884	20
I- 75	5	17 MAY 72	1605	19.5N 155.6W	FSC	322.54	325.00		142	884	20
I- 76	5	17 MAY 72	1605	19.5N 155.6W	FSC	322.62			142	884	20
I- 76	5	17 MAY 72	1605	19.5N 155.6W	FSC	322.70	325.10	325.05	142	884	20
I- 77	5	31 MAY 72	1510	19.5N 155.6W	FSC	323.99			143	884	20
I- 77	5	31 MAY 72	1510	19.5N 155.6W	FSC	323.99	326.71		143	884	20
I- 78	5	31 MAY 72	1510	19.5N 155.6W	FSC	323.99			143	884	20
I- 78	5	31 MAY 72	1510	19.5N 155.6W	FSC	323.91	326.67	326.69	143	884	20
I- 79	5	13 JUN 72	0810	19.5N 155.6W	FSC	323.53			144	904	21
I- 79	5	13 JUN 72	0810	19.5N 155.6W	FSC	323.53	326.15		144	904	21
I- 80	5	13 JUN 72	0810	19.5N 155.6W	FSC	323.28			144	904	21
I- 80	5	13 JUN 72	0810	19.5N 155.6W	FSC	323.36	325.90	326.02	144	904	21
I- 13	5	25 JUL 72	1510	19.5N 155.6W	DM	321.08			148	904	21
I- 13	5	25 JUL 72	1510	19.5N 155.6W	DM	321.16	323.22		148	904	21
I- 82	5	25 JUL 72	2004	19.5N 155.6W	DM	322.30			147	904	21
I- 82	5	25 JUL 72	2004	19.5N 155.6W	DM	322.30	324.65		147	904	21
I- 83	5	25 JUL 72	2006	19.5N 155.6W	DM	321.73			147	904	21
I- 83	5	25 JUL 72	2006	19.5N 155.6W	DM	321.73	323.96		147	904	21
I- 84	5	25 JUL 72	2008	19.5N 155.6W	DM	321.89			147	904	21
I- 84	5	25 JUL 72	2008	19.5N 155.6W	DM	321.89	324.16		147	904	21
I- 81	5	26 JUL 72	0108	19.5N 155.6W	DM	322.79			145	889	21
I- 81	5	26 JUL 72	0108	19.5N 155.6W	DM	322.79	325.25	324.00		889	21
I- 14	5	26 JUL 72	0106	19.5N 155.6W	DM	322.30			146	889	21
I- 14	5	26 JUL 72	0106	19.5N 155.6W	DM	322.30	324.65		146	889	21
I- 15	5	26 JUL 72	0108	19.5N 155.6W	DM	322.22			146	889	21
I- 15	5	26 JUL 72	0108	19.5N 155.6W	DM	322.22	324.56	324.82		889	21
I-145	5	17 AUG 72	1530	19.5N 155.6W	FSC	321.32			149	905	21
I-145	5	17 AUG 72	1530	19.5N 155.6W	FSC	321.32	323.46		149	905	21
I-146	5	17 AUG 72	1530	19.5N 155.6W	FSC	321.24			149	905	21
I-146	5	17 AUG 72	1530	19.5N 155.6W	FSC	321.16	323.31	323.38	149	905	21

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

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Flask No.	Vol.	Date	Time LST	Position	Obsr	Index	Manometric		Field Sheet No.	Analysis Sheet No.	Report
							Flask Conc.	Daily Average			
I-147	5	1 SEP 72	1240	19.5N 155.6W	MG	320.83			150	905	21
I-147	5	1 SEP 72	1240	19.5N 155.6W	MG	320.58	322.70		150	905	21
I-148	5	1 SEP 72	1240	19.5N 155.6W	MG	321.83			150	905	21
I-148	5	1 SEP 72	1240	19.5N 155.6W	MG	320.83	322.86	322.78	150	905	21
I-149	5	19 SEP 72	1620	19.5N 155.6W	FSC	318.78			151	905	21
I-149	5	19 SEP 72	1620	19.5N 155.6W	FSC	318.78	320.37		151	905	21
I-150	5	19 SEP 72	1620	19.5N 155.6W	FSC	318.86			151	905	21
I-150	5	19 SEP 72	1620	19.5N 155.6W	FSC	318.86	320.46	320.42	151	905	21
I-151	5	29 SEP 72	0845	19.5N 155.6W	FSC	388.23	405.00		152	923	21
I-152	5	29 SEP 72	0845	19.5N 155.6W	FSC	319.27			152	923	21
I-152	5	29 SEP 72	0845	19.5N 155.6W	FSC	319.19	320.91	362.96	152	923	21
I-153	5	18 OCT 72	1650	19.5N 155.6W	FSC	319.68			153	923	21
I-153	5	18 OCT 72	1650	19.5N 155.6W	FSC	319.68	321.46		153	923	21
I-154	5	18 OCT 72	1650	19.5N 155.6W	FSC	319.76			153	923	21
I-154	5	18 OCT 72	1650	19.5N 155.6W	FSC	319.84	321.61	321.54	153	923	21
I-155	5	30 OCT 72	1420	19.5N 155.6W	FSC	320.82			154	923	21
I-155	5	30 OCT 72	1420	19.5N 155.6W	FSC	320.90	322.90		154	923	21
I-156	5	30 OCT 72	1420	19.5N 155.6W	FSC	320.82			154	923	21
I-156	5	30 OCT 72	1420	19.5N 155.6W	FSC	320.66	322.75	322.82	154	923	21
I- 73	5	14 NOV 72	0830	19.5N 155.6W	FSC	320.74			155	925	22
I- 73	5	14 NOV 72	0830	19.5N 155.6W	FSC	320.74	322.75		155	925	22
I- 74	5	14 NOV 72	0830	19.5N 155.6W	FSC	320.74			155	925	22
I- 74	5	14 NOV 72	0830	19.5N 155.6W	FSC	320.74	322.75	322.75	155	925	22
I- 75	5	27 NOV 72	1730	19.5N 155.6W	FSC	322.06			156	926	22
I- 75	5	27 NOV 72	1730	19.5N 155.6W	FSC	321.89	324.26		156	926	22
I- 76	5	27 NOV 72	1730	19.5N 155.6W	FSC	322.22			156	926	22
I- 76	5	27 NOV 72	1730	19.5N 155.6W	FSC	322.06	324.46	324.36	156	926	22
I- 79	5	14 DEC 72	0900	19.5N 155.6W	MG	322.06			157	926	22
I- 79	5	14 DEC 72	0900	19.5N 155.6W	MG	322.06	324.36		157	926	22

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

Col. 1	2	3	4	5	6	7	8	9	10	11	12	
Flask No.	Vol.	Date	Time LST	Position	Obsr	Index	Manometric		Field Sheet No.	Analysis Sheet No.	Report	
							Flask Conc.	Daily Average				
I- 77	5	3 JAN 73	1515	19.5N	155.6W	FSC	322.53	-		158	949	22
I- 77	5	3 JAN 73	1515	19.5N	155.6W	FSC	322.45	324.89		158	949	22
I- 78	5	3 JAN 73	1515	19.5N	155.6W	FSC	322.36			158	949	22
I- 78	5	3 JAN 73	1515	19.5N	155.6W	FSC	322.36	324.73	324.81	158	949	22
I- 81	5	15 JAN 73	0900	19.5N	155.6W	FSC	322.94			159	949	22
I- 81	5	15 JAN 73	0900	19.5N	155.6W	FSC	322.86	325.39		159	949	22
I- 82	5	15 JAN 73	0900	19.5N	155.6W	FSC	322.77			159	949	22
I- 82	5	15 JAN 73	0900	19.5N	155.6W	FSC	322.77	325.23	325.31	159	949	22
I- 83	5	30 JAN 73	1610	19.5N	155.6W	FSC	323.02			160	949	22
I- 83	5	30 JAN 73	1610	19.5N	155.6W	FSC	323.02	325.54		160	949	22
I- 84	5	30 JAN 73	1610	19.5N	155.6W	FSC	323.10			160	949	22
I- 84	5	30 JAN 73	1610	19.5N	155.6W	FSC	323.02	325.58	325.56	160	949	22
I-145	5	16 FEB 73	1700	19.5N	155.6W	FSC	323.10			161	950	22
I-145	5	16 FEB 73	1700	19.5N	155.6W	FSC	322.94	325.54		161	950	22
I-146	5	16 FEB 73	1700	19.5N	155.6W	FSC	322.94			161	950	22
I-146	5	16 FEB 73	1700	19.5N	155.6W	FSC	322.94	325.44	325.49	161	950	22
I-147	5	27 FEB 73	0700	19.5N	155.6W	FSC	323.59			162	950	22
I-147	5	27 FEB 73	0700	19.5N	155.6W	FSC	323.51	326.18		162	950	22
I-148	5	27 FEB 73	0700	19.5N	155.6W	FSC	323.51			162	950	22
I-148	5	27 FEB 73	0700	19.5N	155.6W	FSC	323.51	326.13	326.16	162	950	22
I-149	5	16 MAR 73	1615	19.5N	155.6W	FSC	323.92			163	950	22
I-149	5	16 MAR 73	1615	19.5N	155.6W	FSC	323.84	326.58		163	950	22
I-150	5	16 MAR 73	1615	19.5N	155.6W	FSC	323.84			163	950	22
I-150	5	16 MAR 73	1615	19.5N	155.6W	FSC	323.84	326.54	326.56	163	950	22

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

Col. 1	2	3	4	5	6	7	8	9	10	11	12	
Flask No.	Vol.	Date	Time LST	Position	Obsr	Index	Manometric		Field Sheet No.	Analysis Sheet No.	Report	
							Flask Conc.	Daily Average				
I- 73	5	17 APR 73	0845	19.5N 155.6W	FSC	325.03				164	953	23
I- 73	5	17 APR 73	0845	19.5N 155.6W	FSC	324.78	327.85			164	953	23
I- 74	5	17 APR 73	0845	19.5N 155.6W	FSC	324.78				164	953	23
I- 74	5	17 APR 73	0845	19.5N 155.6W	FSC	324.78	327.68	327.76		164	953	23
I- 75	5	1 MAY 73	0825	19.5N 155.6W	FSC	325.52				165	953	23
I- 75	5	1 MAY 73	0825	19.5N 155.6W	FSC	325.52	328.58			165	953	23
I- 76	5	1 MAY 73	0825	19.5N 155.6W	FSC	325.52				165	953	23
I- 76	5	1 MAY 73	0825	19.5N 155.6W	FSC	325.60	328.63	328.61		165	953	23
I- 79	5	16 MAY 73	0828	19.5N 155.6W	FSC	325.92				166	953	23
I- 79	5	16 MAY 73	0828	19.5N 155.6W	FSC	325.92	329.07			166	953	23
I- 80	5	16 MAY 73	0828	19.5N 155.6W	FSC	325.92				166	953	23
I- 80	5	16 MAY 73	0828	19.5N 155.6W	FSC	325.92	329.07	329.07		166	953	23
I-151	5	1 JUN 73	1257	19.5N 155.6W	FSC	325.50				167	963	23
I-151	5	1 JUN 73	1257	19.5N 155.6W	FSC	325.56	328.59			167	963	23
I-152	5	1 JUN 73	1257	19.5N 155.6W	FSC	325.50				167	963	23
I-152	5	1 JUN 73	1257	19.5N 155.6W	FSC	325.43	328.52	328.56		167	963	23
I-153	5	14 JUN 73	0855	19.5N 155.6W	FSC	325.70				168	963	23
I-153	5	14 JUN 73	0855	19.5N 155.6W	FSC	325.70	328.80			168	963	23
I-154	5	14 JUN 73	0855	19.5N 155.6W	FSC	325.56				168	963	23
I-154	5	14 JUN 73	0855	19.5N 155.6W	FSC	325.56	328.63	328.72		168	963	23
I-155	5	2 JUL 73	0825	19.5N 155.6W	FSC	324.77				169	963	23
I-155	5	2 JUL 73	0825	19.5N 155.6W	FSC	324.57	327.55			169	963	23
I-156	5	2 JUL 73	0825	19.5N 155.6W	FSC	324.70				169	963	23
I-156	5	2 JUL 73	0825	19.5N 155.6W	FSC	324.70	327.58	327.57		169	963	23

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

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Flask No.	Vol.	Date	Time LST	Position	Obsr	Index	Manometric		Field Sheet No.	Analysis Sheet No.	Report
							Flask Conc.	Daily Average			
I-145	5	17 AUG 73	1025	19.5N 155.6W	FSC	322.90			170	967	24
I-145	5	17 AUG 73	1025	19.5N 155.6W	FSC	322.90	325.39		170	967	24
I-146	5	17 AUG 73	1025	19.5N 155.6W	FSC	322.90			170	967	24
I-146	5	17 AUG 73	1025	19.5N 155.6W	FSC	322.90	325.39	325.39	170	967	24
I-147	5	29 AUG 73	1555	19.5N 155.6W	FSC	319.51			171	967	24
I-147	5	29 AUG 73	1555	19.5N 155.6W	FSC	319.42	321.20		171	967	24
I-148	5	29 AUG 73	1555	19.5N 155.6W	FSC	319.33			171	967	24
I-148	5	29 AUG 73	1555	19.5N 155.6W	FSC	319.33	321.04	321.12	171	967	24
I-149	5	11 OCT 73	1505	19.5N 155.6W	FSC	321.65			172	967	24
I-149	5	11 OCT 73	1505	19.5N 155.6W	FSC	321.65	323.87		172	967	24
I-150	5	11 OCT 73	1505	19.5N 155.6W	FSC	321.56			172	967	24
I-150	5	11 OCT 73	1505	19.5N 155.6W	FSC	321.47	323.70	323.78	172	967	24
I- 79	5	31 OCT 73	1125	19.5N 155.6W	BB	322.00			173	972	24
I- 79	5	31 OCT 73	1125	19.5N 155.6W	BB	322.00	324.29		173	972	24
I- 80	5	31 OCT 73	1125	19.5N 155.6W	BB	322.00			173	972	24
I- 80	5	31 OCT 73	1125	19.5N 155.6W	BB	321.82	324.18	324.24	173	972	24
I- 81	5	30 NOV 73	1245	19.5N 155.6W	BB	323.25			174	972	24
I- 81	5	30 NOV 73	1245	19.5N 155.6W	BB	322.98	325.65		174	972	24
I- 82	5	30 NOV 73	1245	19.5N 155.6W	BB	322.98			174	973	24
I- 82	5	30 NOV 73	1245	19.5N 155.6W	BB	322.89	325.43	325.54	174	973	24
I- 83	5	12 DEC 73	1652	19.5N 155.6W	PRG	322.89			175	973	24
I- 83	5	12 DEC 73	1652	19.5N 155.6W	PRG	322.89	325.38		175	973	24
I- 84	5	12 DEC 73	1653	19.5N 155.6W	FSC	322.98			175	973	24
I- 84	5	12 DEC 73	1653	19.5N 155.6W	FSC	323.07	325.54		175	973	24
I- 73	5	12 DEC 73	1640	19.5N 155.6W	FSC	323.34			175	973	24
I- 73	5	12 DEC 73	1640	19.5N 155.6W	FSC	323.34	325.93		175	973	24
I- 74	5	12 DEC 73	1642	19.5N 155.6W	PRG	323.25			175	973	24
I- 74	5	12 DEC 73	1642	19.5N 155.6W	PRG	323.07	325.71	325.64	175	973	24

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

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Flask No.	Vol.	Date	Time LST	Position	Obsr	Index	Manometric		Field Sheet No.	Analysis Sheet No.	Report
							Flask Conc.	Daily Average			
I- 75	5	2 JAN 74	1236	19.5N 155.6W	FSC	323.07	-		176	973	24
I- 75	5	2 JAN 74	1236	19.5N 155.6W	FSC	323.07	325.60		176	973	24
I- 76	5	2 JAN 74	1236	19.5N 155.6W	FSC	323.25			176	973	24
I- 76	5	2 JAN 74	1236	19.5N 155.6W	FSC	323.25	325.82	325.71	176	973	24
I- 77	5	14 JAN 74	1137	19.5N 155.6W	FSC	323.87			177	973	24
I- 77	5	14 JAN 74	1137	19.5N 155.6W	FSC	323.78	326.52		177	973	24
I- 78	5	14 JAN 74	1137	19.5N 155.6W	FSC	324.05			177	973	24
I- 78	5	14 JAN 74	1137	19.5N 155.6W	FSC	323.87	326.68	326.60	177	973	24
I-151	5	31 JAN 74	1307	19.5N 155.6W	FSC	323.30			178	999	25
I-151	5	31 JAN 74	1307	19.5N 155.6W	FSC	323.22	325.83	325.83	178	999	25
I-153	5	14 FEB 74	1440	19.5N 155.6W	FSC	323.63			179	999	25
I-153	5	14 FEB 74	1440	19.5N 155.6W	FSC	323.63	326.28		179	999	25
I-154	5	14 FEB 74	1440	19.5N 155.6W	FSC	323.55			179	999	25
I-154	5	14 FEB 74	1440	19.5N 155.6W	FSC	323.55	326.18	326.23	179	999	25
I-155	5	28 FEB 74	1440	19.5N 155.6W	FSC	323.14			180	999	25
I-155	5	28 FEB 74	1440	19.5N 155.6W	FSC	323.30	325.78		180	999	25
I-156	5	28 FEB 74	1440	19.5N 155.6W	FSC	323.30			180	999	25
I-156	5	28 FEB 74	1440	19.5N 155.6W	FSC	323.30	325.88	325.83	180	999	25
I-145	5	28 MAR 74	1535	19.5N 155.6W	FSC	323.89			181	999	25
I-145	5	28 MAR 74	1535	19.5N 155.6W	FSC	323.89	326.60		181	999	25
I-146	5	28 MAR 74	1535	19.5N 155.6W	FSC	323.89			181	999	25
I-146	5	28 MAR 74	1535	19.5N 155.6W	FSC	323.97	326.65	326.62	181	999	25
I-147	5	16 APR 74	1510	19.5N 155.6W	FSC	325.61			182	999	25
I-147	5	16 APR 74	1510	19.5N 155.6W	FSC	325.61	328.69		182	999	25
I-148	5	16 APR 74	1510	19.5N 155.6W	FSC	325.69			182	1000	25
I-148	5	16 APR 74	1510	19.5N 155.6W	FSC	325.78	328.84	328.77	182	1000	25
I-149	5	30 APR 74	1010	19.5N 155.6W	FSC	325.86			183	1000	25
I-149	5	30 APR 74	1010	19.5N 155.6W	FSC	325.69	328.89		183	1000	25
I-150	5	30 APR 74	1010	19.5N 155.6W	FSC	325.78			183	1000	25
I-150	5	30 APR 74	1010	19.5N 155.6W	FSC	325.86	328.95	328.92	183	1000	25

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

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Flask No.	Vol.	Date	Time LST	Position	Obsr	Index	Manometric		Field Sheet No.	Analysis Sheet No.	Report
							Flask Conc.	Daily Average			
I-73	5	15 MAY 74	1440	19.5N 155.6W	FSC	325.61			184	1008	26
I-73	5	15 MAY 74	1440	19.5N 155.6W	FSC	325.53	328.64		184	1008	26
I-74	5	15 MAY 74	1440	19.5N 155.6W	FSC	325.53			184	1008	26
I-74	5	15 MAY 74	1440	19.5N 155.6W	FSC	325.53	328.59	328.62	184	1008	26
I-75	5	30 MAY 74	1215	19.5N 155.6W	FSC	325.85			185	1008	26
I-75	5	30 MAY 74	1215	19.5N 155.6W	FSC	325.85	328.98		185	1008	26
I-76	5	30 MAY 74	1215	19.5N 155.6W	FSC	325.85			185	1008	26
I-76	5	30 MAY 74	1215	19.5N 155.6W	FSC	325.85	328.98	328.98	185	1008	26
I-77	5	13 JUN 74	1510	19.5N 155.6W	FSC	324.63			186	1008	26
I-77	5	13 JUN 74	1510	19.5N 155.6W	FSC	324.72	327.55		186	1008	26
I-78	5	13 JUN 74	1510	19.5N 155.6W	FSC	324.96			186	1008	26
I-78	5	13 JUN 74	1510	19.5N 155.6W	FSC	325.04	327.95	327.75	186	1008	26
I-79	5	27 JUN 74	1245	19.5N 155.6W	FSC	324.55			187	1008	26
I-79	5	27 JUN 74	1245	19.5N 155.6W	FSC	324.55	327.40		187	1008	26
I-80	5	27 JUN 74	1245	19.5N 155.6W	FSC	324.31			187	1008	26
I-80	5	27 JUN 74	1245	19.5N 155.6W	FSC	324.31	327.11	327.25	187	1008	26
I-81	5	18 JUL 74	0947	19.5N 155.6W	BB	324.15			188	1009	26
I-81	5	18 JUL 74	0947	19.5N 155.6W	BB	324.31	327.01		188	1009	26
I-82	5	18 JUL 74	0947	19.5N 155.6W	BB	324.39			188	1009	26
I-82	5	18 JUL 74	0947	19.5N 155.6W	BB	324.47	327.25	327.13	188	1009	26
I-83	5	24 JUL 74	1400	19.5N 155.6W	BB	324.39			189	1009	26
I-83	5	24 JUL 74	1400	19.5N 155.6W	BB	324.39	327.21		189	1009	26
I-84	5	24 JUL 74	1400	19.5N 155.6W	BB	325.04			189	1009	26
I-84	5	24 JUL 74	1400	19.5N 155.6W	BB	324.88	327.90	327.55	189	1009	26
I-85	5	15 AUG 74	0947	19.5N 155.6W	FSC	322.65			190	1031	27
I-85	5	15 AUG 74	0947	19.5N 155.6W	FSC	322.65	325.09		190	1031	27
I-86	5	15 AUG 74	0947	19.5N 155.6W	FSC	322.73			190	1031	27
I-86	5	15 AUG 74	0947	19.5N 155.6W	FSC	322.65	325.13	325.11	190	1031	27
I-87	5	29 AUG 74	0855	19.5N 155.6W	FSC	322.49			191	1031	27
I-87	5	29 AUG 74	0855	19.5N 155.6W	FSC	322.33	324.79		191	1031	27

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

MAUNA LOA CARBON DIOXIDE PROJECT

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Flask No.	Vol.	Date	Time LST	Position	Obsr	Index	Manometric		Field Sheet No.	Analysis Sheet No.	Report
							Flask Conc.	Daily Average			
I-88	5	29 AUG 74	0855	19.5N 155.6W	FSC	322.33			191	1031	27
I-88	5	29 AUG 74	0855	19.5N 155.6W	FSC	322.16	324.59	324.69	191	1031	27
I-89	5	17 SEP 74	1700	19.5N 155.6W	FSC	320.95			192	1031	27
I-89	5	17 SEP 74	1700	19.5N 155.6W	FSC	320.95	323.01		192	1031	27
I-90	5	17 SEP 74	1700	19.5N 155.6W	FSC	321.03			192	1031	27
I-90	5	17 SEP 74	1700	19.5N 155.6W	FSC	321.03	323.11	323.06	192	1031	27
I-91	5	3 OCT 74	1145	19.5N 155.6W	FSC	321.69			193	1032	27
I-91	5	3 OCT 74	1145	19.5N 155.6W	FSC	321.61	323.87		193	1032	27
I-92	5	3 OCT 74	1145	19.5N 155.6W	FSC	321.61			193	1032	27
I-92	5	3 OCT 74	1145	19.5N 155.6W	FSC	321.61	323.82	323.84	193	1032	27
I-93	5	17 OCT 74	1115	19.5N 155.6W	FSC	321.12			194	1032	27
I-93	5	17 OCT 74	1115	19.5N 155.6W	FSC	321.36	323.37		194	1032	27
I-94	5	17 OCT 74	1115	19.5N 155.6W	FSC	321.69			194	1032	27
I-94	5	17 OCT 74	1115	19.5N 155.6W	FSC	321.69	323.92	323.64	194	1032	27
I-95	5	1 NOV 74	1425	19.5N 155.6W	FSC	320.71			195	1032	27
I-95	5	1 NOV 74	1425	19.5N 155.6W	FSC	320.87	322.82		195	1032	27
I-96	5	1 NOV 74	1425	19.5N 155.6W	FSC	321.04			195	1032	27
I-96	5	1 NOV 74	1425	19.5N 155.6W	FSC	320.96	323.07	322.95	195	1032	27
I-145	5	14 NOV 74	1025	19.5N 155.6W	FSC	323.80			196	1033	27
I-145	5	14 NOV 74	1025	19.5N 155.6W	FSC	324.12	326.68		196	1033	27
I-146	5	14 NOV 74	1025	19.5N 155.6W	FSC	323.72			196	1033	27
I-146	5	14 NOV 74	1025	19.5N 155.6W	FSC	323.72	326.39	326.54	196	1033	27
I-147	5	29 NOV 74	1450	19.5N 155.6W	FSC	323.48			197	1033	27
I-147	5	29 NOV 74	1450	19.5N 155.6W	FSC	323.40	326.05		197	1033	27
I-148	5	29 NOV 74	1450	19.5N 155.6W	FSC	322.43			197	1033	27
I-148	5	29 NOV 74	1450	19.5N 155.6W	FSC	322.43	324.82	325.43	197	1033	27
I-149	5	2 DEC 74	0618	19.5N 155.6W	JAA	323.40			198	1033	27
I-149	5	2 DEC 74	0618	19.5N 155.6W	JAA	323.40	326.00		198	1033	27
I-150	5	2 DEC 74	0620	19.5N 155.6W	JAA	323.56			198	1033	27
I-150	5	2 DEC 74	0620	19.5N 155.6W	JAA	323.64	326.24		198	1033	27

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

Col. 1	2	3	4	5	6	7	8	9	10	11	12
Flask No.	Vol.	Date	Time LST	Position	Obsr	Index	Manometric		Field Sheet No.	Analysis Sheet No.	Report
							Flask Conc.	Daily Average			
I-151	5	2 DEC 74	0622	19.5N 155.6W	JAA	323.72			198	1034	27
I-151	5	2 DEC 74	0622	19.5N 155.6W	JAA	323.72	326.39		198	1034	27
I-152	5	2 DEC 74	0624	19.5N 155.6W	JAA	323.96			198	1034	27
I-152	5	2 DEC 74	0624	19.5N 155.6W	JAA	323.96	326.68		198	1034	27
I-153	5	2 DEC 74	0648	19.5N 155.6W	JAA	323.32			198	1034	27
I-153	5	2 DEC 74	0648	19.5N 155.6W	JAA	323.32	325.90		198	1034	27
I-154	5	2 DEC 74	0650	19.5N 155.6W	JAA	323.56			198	1034	27
I-154	5	2 DEC 74	0650	19.5N 155.6W	JAA	323.64	326.24		198	1034	27
I-155	5	2 DEC 74	0652	19.5N 155.6W	JAA	323.72			198	1034	27
I-155	5	2 DEC 74	0652	19.5N 155.6W	JAA	323.72	326.39		198	1034	27
I-156	5	2 DEC 74	0655	19.5N 155.6W	JAA	323.40			198	1034	27
I-156	5	2 DEC 74	0655	19.5N 155.6W	JAA	323.40	326.00	326.23	198	1034	27

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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		
2 MAR 72	0947	-0.7	0.94549	2421	321.85	321.19	323.30
15 MAR 72	0820	1.5	0.94612	2407	322.07	323.49	326.10
1 APR 72	1255	1.9	0.94694	2407	322.07	323.87	326.57
13 APR 72	0815	2.8	0.94752	2419	320.98	323.63	326.28
4 MAY 72	0840	2.7	0.94853	4286	321.49	324.05	326.79
17 MAY 72	1605	1.4	0.94916	4286	321.49	322.82	325.29
31 MAY 72	1570	2.4	0.94984	1008	321.55	323.83	326.52
13 JUN 72	0810	1.6	0.97615	1008	321.55	323.11	325.64
25 JUL 72	1500	#	#	11076	330.20	#	#
25 JUL 72	2000	#	#	11076	330.20	#	#
26 JUL 72	0100	#	#	11076	330.20	#	#
17 AUG 72	1530	1.4	0.92678	4277	320.07	321.37	323.52
1 SEP 72	1240	0.6	0.92349	4277	320.07	320.62	322.61
19 SEP 72	1620	-2.6	0.91956	2418	321.20	318.81	320.40
29 SEP 72	0845	-2.3	0.91918	2418	321.20	319.09	320.74
18 OCT 72	1650	-1.1	0.90976	4296	320.34	319.34	321.05
30 OCT 72	1420	-1.7	0.90391	11081	322.26	320.72	322.73
14 NOV 72	0830	-0.5	0.89670	4295	320.98	320.53	322.50
27 NOV 72	1730	0.9	0.91489	4295	320.98	321.80	324.05
14 DEC 72	0900	2.0	0.93543	4276	320.23	322.10	324.41

No data, analyzer malfunction

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 JAN 73	1515	2.0	0.96081	10074	320.49	322.41	324.79
15 JAN 73	0900	2.2	0.97885	10074	320.49	322.64	325.07
30 JAN 73	1610	0.0	0.98624	4286	322.80	322.80	325.26
16 FEB 73	1700	-0.4	.98723	2407	322.97	322.58	325.00
27 FEB 73	0700	0.0	1.00033	2407	322.97	322.97	325.47
16 MAR 73	1615	1.2	1.00908	2419	322.91	324.12	326.87
17 APR 73	0845	1.5	1.02598	3756	323.04	324.58	327.43
1 MAY 73	0825	2.3	1.03356	3756	323.04	325.42	328.47
16 MAY 73	0828	3.4	1.04180	34803	322.70	326.24	329.46
1 JUN 73	1257	3.2	1.05073	34816	322.38	325.74	328.85
14 JUN 73	0855	3.1	1.01669	34816	322.38	325.53	328.59
2 JUL 73	0825	2.5	1.02302	35316	322.28	324.84	327.75
17 AUG 73	1025	1.5	1.03954	34390 34940	321.23	322.79	325.25
29 AUG 73	1555	-1.3	1.04394	35299	321.17	319.81	321.62
11 OCT 73	1505	-0.4	.99177	35370	322.00	321.60	323.80
31 OCT 73	1125	3.5	1.07007	11092	317.75	321.50	323.68
30 NOV 73	1245	1.4	1.01350	35234	321.43	322.85	325.33
12 DEC 73	1652	0.9	1.24494	35260	321.62	322.74	325.19
2 JAN 74	1236	1.1	1.21382	35260	321.62	322.96	325.46
14 JAN 74	1137	4.1	1.16829	4274	319.10	323.89	326.59
31 JAN 74	1307	1.6	1.05811	34967	321.76	323.45	326.06
14 FEB 74	1440	1.6	1.05676	34967	321.76	323.45	326.06
28 FEB 74	1440	4.0	1.05169	2407	319.00	323.21	325.76
28 MAR 74	1535	1.9	1.05425	2419	322.20	324.20	326.97
16 APR 74	1510	5.0	1.06680	2423	320.48	325.81	328.93
30 APR 74	1010	5.2	1.04386	2423	320.48	325.91	329.05

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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		
15 MAY 74	1440	5.8	1.08150	3756	319.25	325.52	328.58
30 MAY 74	1215	6.4	1.06717	3756	319.25	326.08	329.26
13 JUN 74	1510	3.5	1.29710	181	320.33	324.87	327.89
27 JUN 74	1245	4.1	1.04678	181	320.33	324.62	327.48
18 JUL 74	0947	4.9	1.06995	11083	319.02	324.26	327.04
24 JUL 74	1400	4.9	1.25496	11083	319.02	325.17	328.15
15 AUG 74	0947	1.8	1.23967	11081	320.50	322.73	325.18
29 AUG 74	0855	3.6	1.18843	39345	317.78	322.06	324.36
17 SEP 74	1700	1.5	1.09329	2405	319.31	320.81	322.84
3 OCT 74	1145	1.3	1.12751	11081	320.50	321.97	324.25
17 OCT 74	1115	1.5	1.02412	3760	323.13	324.68	327.57
1 NOV 74	1425	-1.8	1.29776	3760	323.13	320.79	322.81
14 NOV 74	1025	1.9	1.45478	4276	321.16	323.92	326.63
29 NOV 74	1450	1.1	1.21008	4276	321.16	322.49	324.89
2 DEC 74	0624	1.2	1.19733	4276	321.16	322.60	325.02

should be -1.4

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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	
15 MAR 72	0820	326.39	326.10	-0.29	18 OCT 72	1650	321.46	321.05	-0.41
		326.43		-0.33			321.61		-0.56
1 APR 72	1255	325.45	326.57	1.12	30 OCT 72	1420	322.90	322.73	-0.17
		325.50		1.07			322.75		-0.02
13 APR 72	0815	326.63	326.28	-0.35	14 NOV 72	0830	322.75	322.50	-0.25
		326.68		-0.40			322.75		-0.25
4 MAY 72	0840	326.76	326.79	0.03	27 NOV 72	1730	324.26	324.05	-0.21
		326.91		-0.12			324.46		-0.41
17 MAY 72	1605	325.00	325.29	0.29	14 DEC 72	0900	324.36	324.41	0.05
		325.10		0.19			324.22		0.19
31 MAY 72	1510	326.71	326.52	-0.19					
		326.67		-0.15					
13 JUN 72	0810	326.15	325.64	-0.51					
		325.90		-0.26					
25 JUL 72	1510	323.22	#	#					
	2004	324.65	#	#					
		323.96		#					
		324.16		#					
26 JUL 72	0108	325.25	#	#					
		324.65		#					
		324.56		#					
17 AUG 72	1530	323.46	323.52	0.06					
		323.31		0.21					
1 SEP 72	1240	322.70	322.61	-0.09					
		322.86		-0.25					
19 SEP 72	1620	320.37	320.40	0.03					
		320.46		-0.06					
29 SEP 72	0845	405.00	320.74	-84.26					
		320.91		-0.17					

No data; analyzer malfunction

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Table 13. Comparison of Continucus 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	
3 JAN 73	1515	324.89	324.79	-0.10	11 OCT 73	1505	323.87	323.80	-0.07
		324.73		0.06			323.70		0.10
15 JAN 73	0900	325.39	325.07	-0.32	31 OCT 73	1125	324.29	323.68	-0.61
		325.23		-0.16			324.18		-0.50
30 JAN 73	1610	325.54	325.26	-0.28	30 NOV 73	1245	325.65	325.33	-0.32
		325.58		-0.32			325.43		-0.10
16 FEB 73	1700	325.54	325.00	-0.54	12 DEC 73	1640	325.93	325.19	-0.74
		325.44		-0.44		1642	325.71		-0.52
27 FEB 73	0700	326.18	325.47	-0.65		1652	325.38		-0.19
		326.13		-0.60		1653	325.54		-0.33
16 MAR 73	1615	326.58	326.87	0.19	2 JAN 74	1236	325.60	325.46	-0.14
		326.54		0.23			325.82		-0.36
17 APR 73	0845	327.85	327.43	-0.42	14 JAN 74	1137	326.52	326.59	0.07
		327.68		-0.35			326.68		-0.09
1 MAY 73	0825	328.58	328.47	-0.11	31 JAN 74	1307	325.83	326.06	0.23
		328.63		-0.16	14 FEB 74	1440	326.28	326.06	-0.22
16 MAY 73	0828	329.07	329.46	0.39			326.18		0.12
		329.07		0.39	28 FEB 74	1440	325.78	325.76	-0.02
1 JUN 73	1257	328.59	328.85	0.26			325.88		-0.12
		328.52		0.33	28 MAR 74	1535	326.60	326.97	0.37
14 JUN 73	0855	328.80	328.59	-0.21			326.65		0.32
		328.63		-0.04	16 APR 74	1510	328.69	328.93	0.24
2 JUL 73	0825	327.55	327.75	0.20			328.84		0.09
		327.58		-0.11	30 APR 74	1010	328.89	329.05	0.16
17 AUG 73	1025	325.39	325.25	-0.14			328.95		0.10
		325.39		-0.14					
29 AUG 73	1555	321.20	321.62	0.40					
		321.04		0.58					

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	
15 MAY 74	1440	328.64	328.58	-.08	29 NOV 74	1450	326.05	324.89	-1.16
		328.59		-.01			324.82		.07
30 MAY 74	1215	328.98	329.26	.28	2 DEC 74	0624	326.00	325.02	-.98
		328.98		.28			326.24		-1.22
13 JUN 74	1510	327.55	327.89	.34			326.39		-1.37
		327.95		-.06			326.68		-1.66
27 JUN 74	1245	327.40	327.48	.08			325.90		-.88
		327.11		.37			326.24		-1.22
18 JUL 74	0947	327.01	327.04	.03			326.39		-1.37
		327.25		-.21			326.00		-.98
24 JUL 74	1400	327.21	328.15	.94					
		327.90		.25					
15 AUG 74	0947	325.09	325.18	.09					
		325.13		.05					
29 AUG 74	0855	324.79	324.36	-.43					
		324.59		-.23					
17 SEP 74	1700	323.01	322.84	-.17					
		323.11		-.27					
3 OCT 74	1145	323.87	324.25	.38					
		323.82		.43					
17 OCT 74	1115	323.37	327.57	4.20					
		323.92		3.65					
1 NOV 74	1425	322.82	322.81	-.01					
		323.07		-.26					
14 NOV 74	1025	326.68	326.63	-.05					
		326.39		.24					

1701