

ANTARCTIC CARBON DIOXIDE PROJECT

REPORT NO. 5

July 15, 1976

Prepared by

Charles D. Keeling, J. Alexander Adams and Carl A. Ekdahl

Scripps Institution of Oceanography

La Jolla, California 92093

A Summary of analyses of carbon dioxide in air collected in
glass flasks at the South Pole between 17 May 1957 and
6 February 1976

together with
Supplemental continuous analyzer data for the South Pole and
flask analysis of air collected during 1957 and 1958
at Wilkes Station

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Keeling Papers 5, 2003-31, Box 49, "ANTARCTIC CO2 Project..."

I. Introduction

This report presents measurements of the concentration of atmospheric carbon dioxide in Antarctic air from 1957 to 1976. Two methods of sampling were used. The first and most extensively used method was to collect the air in glass flasks which were subsequently analyzed at the Scripps laboratory with a non-dispersive infrared gas analyzer. The second method, used during the earlier years of the project first at Little America and then at the South Pole, was to measure the carbon dioxide concentration continuously with an infrared analyzer operated at the station.

The flask collections began during the International Geophysical Year, 1957-8, at the South Pole and Wilkes stations. Flask samples were also collected at Little America as a check on the performance of a continuously operated analyzer, but the results were not satisfactory and are not reported here. Upon the closing of Little America station in 1958, the analyzer there was transferred to the South Pole where it operated until the end of the 1963 winter season. Flask sampling at the South Pole was also continued during these years, but both operations ceased in 1964. Flask sampling was resumed at the South Pole in 1965. Sampling at Wilkes station ceased at the close of 1958.

Prior to 1965, gaps occur in both the flask and continuous analyzer records for the South Pole. By combining the results of both records, an almost uninterrupted record of seasonal and

long term atmospheric carbon dioxide variations has, however, been constructed and is presented in this report. The complete original continuous analyzer data appear in previous Antarctic Project Reports 1 through 4. The last of these reports, dated June 15, 1965, was deposited with the American Documentation Institute as Document No. 8529 and may be obtained from the same source as this present report. It contains all important data pertaining to the continuous analyzer effort. The major findings of the program through 1963 are reported by Brown and Keeling [1965]. This article, however, does not present flask data except for the year 1963, and thus neglects to consider valuable data available only from the flask collections. (A remark in Report No. 4, page 1, that no useful data were obtained in 1959 was intended to apply only to continuous analyzer data.)

Evaluation of the early flask data for the South Pole was not completed until the data for 1965 through 1971 were studied and a statistical procedure found for rejecting contaminated samples. This procedure, after it was found to work for the period after 1964 was applied to the earlier data set. Most of these earlier data are thus included in the present report for the first time. The brief set of data for Wilkes station, not previously published, are also included here in order that all currently available flask results of the Scripps Antarctica program appear in a single document.

The major findings related to the South Pole flask results through 1971 are scheduled to appear in the December, 1976 issue of Tellus [Keeling et. al., 1976] with a comparison article on continuous observations of atmospheric CO₂ in Hawaii [Keeling et al., 1976a]. Data for 1972 through 1975 and two months of 1976 are also included here to make this report as comprehensive as possible. All data are based on final calibration reference gas index values.

A scheme for identifying contaminated flasks by statistical criteria, as described by Keeling et al. [1976a], has been applied to the data for 1957 through January 1971. For the period since January 1971, as a provisional measure, samples appearing to be contaminated have been identified by inspection. In preparing a future journal article covering the more recent period, the more rigorous statistical scheme will be applied to the recent data as well.

II. Adjusted Index Values and 1974 Manometric Concentrations of Flask Samples

The CO₂ concentrations of flask samples collected at the South Pole are listed in Table 1. Remarks regarding the original sampling were recorded by the observer at the time of collection on field data sheets, listed by number in Table 1 and available in a file kept at the Scripps Institution of Oceanography. The original calculations based on recorder scale differences are entered on analysis data sheets, also listed and available in a

Table 1

file at Scripps. The source of CO₂ index values of reference gases used in the analyses is listed by Reference Gas Report number in the last column of the table. These reports are also on file at Scripps. The concentrations for Wilkes station appear in Table 1a following Table 1 proper. All analyses are listed irrespective of possible errors in sampling or analysis. The names of the observers, indicated by initials in Table 1, are listed in Table 1b. The observer at the Wilkes station is not known.

"Adjusted Index" refers to the concentration scale obtained by converting the original (1956) Scripps Index Values by the formula:

$$J = (C - 311.51) 1.2186 + 311.51 \quad (1)$$

where C is the 1956 index value and the adjusted index, J, is a new name for the 1959 manometric concentration scale employed in earlier Antarctic Reports (see e.g. Report No. 4, page 29). A new manometric scale, denoted by the column headed "MANO" refers to the 1974 mole fraction manometric scale described by Keeling et al. [1976]. This new scale incorporates all known corrections to the former 1959 scale, and is believed to reflect the true CO₂ mole fraction of dry air to within 0.5 ppm.

Mole fractions of CO₂ in dry air in parts per million were computed as follows:

1. The daily average adjusted index, J, was corrected for a linear drift in the system of primary reference gases by the relation:

$$J' = J + (D - 1974.4986) \cdot .06 \quad (2)$$

where D is the decimal date of analysis and 1974.4986 corresponds to 1 July 1974.

2. In instances when the analyzer sample cell was not at a pressure close to atmospheric, a correction was applied to J' to allow for pressure dependency of the oxygen carrier gas effect (equation (4) below). The general relation for any cell pressure, P, in mm of mercury is:

$$J'' = J' (1.00316 - 2.237 \times 10^{-6} P - 2.522 \times 10^{-9} P^2) \quad (3)$$

For the South Pole:

P = 512.1 for the semimonthly continuous analyzer averages,

P = 363.56 for flask samples collected from 17 May to 2 September 1957,

P = 376.22 for flask samples collected on 23 September 1957.

For Wilkes station samples collected in 1957, P = 281.46.

For all other flask samples: $J'' = J'$

3. All averages were corrected for the oxygen carrier gas effect at atmospheric pressure by the relation:

$$J''' = 1.012006 \cdot J'' \quad (4)$$

4. The CO_2 mole fraction, X, was determined from J''' by the relation:

$$X = C_0 + C_1(J''') + C_2(J''')^2 + C_3(J''')^3 \quad (5)$$

where:

$$C_0 = 76.582, C_1 = 0.584910, C_2 = 3.1151 \times 10^{-4}, C_3 = 7.3225 \times 10^{-7}$$

The CO₂ adjusted index values of the individual analyses, as listed in Table 1, were subjected to a statistical test. Air samples judged to be contaminated were rejected from consideration as mentioned in section I, above, and described in detail by Keeling et al., 1976. The individual rejected values are indicated in Table 1 with a single star. If acceptable individual values exist for a given flask day, only these are included in the daily averages listed. If no acceptable individual values existed, all values were averaged and the flask average is marked with a double star. A similar procedure is applied to obtain daily averages. A triple star indicates that the daily average is based entirely on rejected flask averages.

For 1960 through 1963 all flask data were categorically rejected in favor of data obtained from the continuous analyzer as described below. For 1960 through 1962 so few reliable flask data existed that statistical rejection of contaminated samples was not a reliable procedure. For 1963 a complete set of continuous analyzer data rendered the flask data superfluous.

The 1974 scale manometric daily averages were obtained by averaging manometric values of the individual analyses. The same procedure was followed as for the daily average adjusted index values.

III. Method for Obtaining Semimonthly CO₂ Index Values from Continuous CO₂ Analyzer Data at the South Pole, 1960-1963

Daily averages from Table 10, Antarctic Report No. 4, were averaged into semimonthly average index values listed in Table 2.

Table 2

The inclusive days for semimonthly averages were selected according to the following procedure: The month was divided at midnight, between the 15th and 16th days, and the daily averages for each half-month were averaged without weighting. When, however, at least one but less than five daily averages existed for either half-month, the set of daily averages was divided into two equal subsets (in the case of an odd number of days with data, the latter subset involved one extra day of data). In all cases where this procedure was applied, the month so split contained at least 10 days with data. If all of a month's data occurred in one half-month period, only that half-month was considered.

The median of the set of days used in a semimonthly averaging was assigned as the equivalent sampling date of that set. (If the set consisted of an even number of days, the day chosen was the last day in the first half of the set.)

The highly variable continuous analyzer data from May to July 1960 were rejected as unreliable as were data from November 1958 through November 1959 when the analyzer was known not to be functioning properly. Also rejected were data starred as unreliable in Table 10, Antarctic Report No. 4 for reasons stated in that report.

IV. Data Sets Used in the Tellus Article of 1976

The data set used in the statistical analysis reported by Keeling et al. [1976] consisted originally of 1320 analyses of 680 flasks exposed from 1957 through January 1971. This set was split into two groups. Group one consisted of 446 analyses of 236 flasks exposed during 1957 through 1963. Group two consisted of 874 analyses of 444 flasks exposed during 1965 through January 1971. Group one was then modified by rejecting all flasks exposed during 1960-1963; 289 analyses of 159 flasks were so rejected. These were replaced by 60 semimonthly averages of continuous analyzer data which were weighted by a factor of 4 so that each simulated 4 analyses of 2 flasks on a given date. The modified 1957-1963 data set for the first group thus consisted of 397 data including 157 analyses and 240 simulated analyses. These two groups were then analyzed statistically and data were rejected on a statistical basis, as described by Keeling et al. [1976].

From the modified 1957-1963 data set, 62 flask analyses of 29 flasks and 24 simulated analyses (6 semimonthly averages) were rejected statistically. This reduction brought the set down to 95 analyses of 48 flasks and 216 simulated analyses (54 semimonthlies), (equivalent to 311 "analyses" and 156 "flasks" if the simulated data are counted as equivalent to 4 analyses of 2 flasks per semimonthly period.)

The second group of data, 1965 through January 1971 were

treated only statistically. Rejected from this set were 252 analyses of 120 flasks leaving 622 analyses of 324 flasks.

After the statistical analysis was completed, the South Pole flasks for the remainder of 1971 were scrutinized subjectively by J. Alexander Adams and this third group of data, February 1971 through December 1971, was added to the previous two sets. The number of probably contaminated data in this third set was very high and could not be suitably rejected by statistical analysis because the results appeared near the end of the record period. This 1971 set initially consisted of 133 analyses of 69 flasks, and was reduced to 72 analyses of 36 flasks.

These three data sets were then combined, and the average value of each retained flask calculated. The flask values were then averaged for each sampling date, and these averages, along with the continuous analyzer semimonthly averages, were used for further processing.

In summary, the original data set for the period 1957 through 1971 consisted of 1453 analyses of 749 flasks plus 60 continuous analyzer semimonthly averages. Of these, 289 analyses of 159 flasks were rejected during 1960-1963 inclusive (the period for which the 60 semimonthlies were used), 61 analyses of 33 flasks were rejected by human decision in 1971, and 314 analyses of 149 flasks and 6 semimonthlies were rejected on a statistical basis. The net rejected data comprised 664 analyses of 341 flasks and

6 semimonthlies. This reduced the total data set to 789 analyses of 408 flasks and 54 semimonthlies.

As mentioned above, subjectively rejected data for 1972 through February 1976 are also noted in this report. Unlike the 1971 set, relatively few analyses were rejected in this initial rejection procedure.

V. Data Set for the South Pole from 1957 to 1976

Although the essential data for the South Pole appears in the Tables 1 and 2, a summary tabulation is presented in Table 3, a to h, for convenience of the reader. Dates of analysis (needed to apply equation (2), and statistical weighting) are also listed.

Table 3

VI. References

Brown, C.W., and C.D. Keeling, "The Concentration of Atmospheric Carbon Dioxide in Antarctica," J. Geophys. Res. 70. 6077-6085 (1965).

Keeling, C.D., J.A. Adams, C.A. Ekdahl, and P.R. Guenther, "Atmospheric Carbon Dioxide Variations at the South Pole," Tellus 28, No. 6 (1976), in press.

Keeling, C.D., R.B. Bacastow, A.E. Bainbridge, C.A. Ekdahl, P.R. Guenther, L.S. Waterman, and J.F.S. Chin, "Atmospheric Carbon Dioxide Variations at Mauna Loa Observatory, Hawaii," Tellus 28, No. 6 (1976a), in press.

TABLE 1.

ADJUSTED INDICES AND 1974 MANOMETRIC CO₂ CONCENTRATION OF FLASK
AIR SAMPLES COLLECTED AT THE SOUTH POLE

Also Included:

TABLE 1a

CO₂ Concentrations of Flask Air Samples Collected at Wilkes Station

TABLE 1b

List of Observers Who Collected Flask Samples at the South Pole

SYMBOLS:

- * Individual analyses rejected as contaminated. Criteria for rejection are described by Keeling et. al.[1976]. Flask and daily averages without stars exclude starred individual analyses.
- ** Flask averages in which all individual analyses are rejected. All rejected analyses are included in flask average.
- *** Daily averages in which all individual analyses are rejected. All rejected flask averages are included in daily average.

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET			
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R		
C-9	17	MAY 57	1700	EF	312.87*				20	2	
C-9	17	MAY 57	1700	EF	312.50*	312.69**	312.69***	315.11***	20	2	
C-10	17	JUN 57	1705	HH	310.63				20	2	
C-10	17	JUN 57	1705	HH	310.45	310.54	310.54	312.95	313.57	20	2
C-11	2	SEP 57	1750	EF	310.63				20	2	
C-11	2	SEP 57	1750	EF	310.63	310.63			20	2	
C-12	2	SEP 57	1750	EF	310.63				20	2	
C-12	2	SEP 57	1750	EF	310.91	310.77	310.70	313.11	313.74	20	2
C-5	23	SEP 57	0006	EF	311.01				20	2	
C-5	23	SEP 57	0006	EF	310.73	310.87			20	2	
C-3	23	SEP 57	0004	EF	311.33				18	2	
C-3	23	SEP 57	0004	EF	311.45	311.39			18	2	
C-1	23	SEP 57	1153	EF	311.64				18	2	
C-1	23	SEP 57	1153	EF	311.45				18	2	
C-1	23	SEP 57	1153	EF	311.56	311.55			18	2	
C-4	23	SEP 57	1155	EF	311.06				19	2	
C-4	23	SEP 57	1155	EF	311.06				19	2	
C-4	23	SEP 57	1155	EF	310.63	310.92	311.19	313.60	314.21	20	2
B-2	22	DEC 57	1200	KJH	312.13				53	3	
B-2	22	DEC 57	1200	KJH	312.13	312.13	312.13	314.60	53	3	
B-3	23	DEC 57	0000	KJH	312.13				54	3	
B-3	23	DEC 57	0000	KJH	312.13	312.13	312.13	314.60	54	3	
B-7	21	MAR 58	1200	KJH	312.03	312.03	312.03	314.51	54	3	
193	22	MAR 58	0100	KJH	312.13*				58	3	
193	22	MAR 58	0100	KJH	312.13*	312.13**			58	3	
195	22	MAR 58	1200	KJH	311.74				58	3	
195	22	MAR 58	1200	KJH	311.74	311.74	311.74	314.21	58	3	
196	20	JUN 58	1300	KJH	312.72*				58	3	
196	20	JUN 58	1300	KJH	312.72*	312.72**			58	3	
197	20	JUN 58	1300	KJH	312.13				59	3	

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
197	20 JUN 58	1300	KJH	312.33	312.23	312.23	314.70	59	3
181	21 JUN 58	1300	KJH	312.61*				53	3
181	21 JUN 58	1300	KJH	312.80*	312.70**			53	3
198	21 JUN 58	1300	KJH	312.81*				59	3
198	21 JUN 58	1300	KJH	313.11*	312.96**	312.63***	315.31***	59	3
182	27 SEP 58	1215	KJH	313.39*				53	3
182	27 SEP 58	1215	KJH	313.48*	313.44**			53	3
183	27 SEP 58	1215	KJH	312.90				53	3
183	27 SEP 58	1215	KJH	313.09	313.00	313.00	315.48	53	3
184	28 SEP 58	1100	KJH	312.90				53	3
184	28 SEP 58	1100	KJH	313.19	313.05			53	3
185	28 SEP 58	1100	KJH	313.58*				53	3
185	28 SEP 58	1100	KJH	313.58*	313.58**	313.05	315.53	53	3
192	29 SEP 58	1200	KJH	313.87*				53	3
192	29 SEP 58	1200	KJH	314.07*	313.97**	313.97***	316.47***	53	3
1	6 JAN 59	1330	HR	313.12				96	3
1	6 JAN 59	1330	HR	313.35	313.23	313.23	315.75	96	3
3	8 JAN 59	1330	HR	312.74				96	3
3	8 JAN 59	1330	HR	312.51	312.63	312.63	315.13	96	3
2	12 JAN 59	1330	HR	312.89				96	3
2	12 JAN 59	1330	HR	312.74	312.81	312.81	315.32	96	3
4	28 JAN 59	1330	HR	312.66				96	3
4	28 JAN 59	1330	HR	312.74	312.70	312.70	315.21	96	3
5	15 FEB 59	1330	HR	314.28*				96	3
5	15 FEB 59	1330	HR	314.35*	314.31**			96	3
6	15 FEB 59	1340	HR	314.04*				96	3
6	15 FEB 59	1340	HR	313.89*	313.97**			96	3
7	15 FEB 59	1500	HR	312.74				96	3
7	15 FEB 59	1500	HR	312.74	312.74			96	3
8	15 FEB 59	1522	HR	312.89				96	3

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
8	15	FEB 59 1522	HR	312.66	312.77	312.76	315.27	96	3
10	15	MAR 59 0000	HR	312.81				97	3
10	15	MAR 59 0000	HR	312.97	312.89			97	3
9	15	MAR 59 0030	HR	312.66				97	3
9	15	MAR 59 0030	HR	312.74	312.70	312.60	315.31	97	3
12	30	MAR 59 0600	HR	312.51				97	3
12	30	MAR 59 0600	HR	312.66	312.58			97	3
11	30	MAR 59 0625	HR	312.66				97	3
11	30	MAR 59 0625	HR	312.81	312.73	312.66	315.17	97	3
14	16	APR 59 1300	HR	314.28*				97	3
14	16	APR 59 1300	HR	314.28*	314.28**			97	3
13	16	APR 59 1330	HR	313.81*				97	3
13	16	APR 59 1330	HR	313.97*	313.89**	314.08***	316.61***	97	3
15	30	APR 59 1300	HR	314.20*				97	3
15	30	APR 59 1300	HR	314.13*	314.17**			97	3
16	30	APR 59 1300	HR	314.97*				97	3
16	30	APR 59 1300	HR	314.67*	314.82**	314.49***	317.03***	97	3
17	15	MAY 59 1330	HR	313.74*				98	3
17	15	MAY 59 1330	HR	313.97*	313.86**	313.86***	316.38***	98	3
20	30	MAY 59 1300	HR	314.13*				98	3
20	30	MAY 59 1300	HR	314.04*	314.09**			98	3
19	30	MAY 59 1330	HR	315.13*				98	3
19	30	MAY 59 1330	HR	314.97*	315.05**	314.57***	317.10***	98	3
22	15	JUN 59 1300	HR	315.28*				98	3
22	15	JUN 59 1300	HR	315.36*	315.32**			98	3
21	15	JUN 59 1330	HR	314.20*				98	3
21	15	JUN 59 1330	HR	314.20*	314.20**	314.76***	317.30***	98	3
24	30	JUN 59 1300	HR	314.67*				98	3
24	30	JUN 59 1300	HR	314.82*	314.75**			98	3
23	30	JUN 59 1330	HR	315.59*				98	3

TABLE 1.

ADJUSTED INDICES AND 1974 MAND CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING		OBSR	ADJUSTED INDEX			MAND. DAILY AVE.	DATA SHEET	
	DATE	AND TIME (LOCAL)		INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
25	30 JUN 59	1330	HR	315.67*	315.63**	315.19***	317.73***	98	3
26	15 JUL 59	1350	HR	316.94*				99	3
26	15 JUL 59	1350	HR	313.80*				99	3
26	15 JUL 59	1350	HR	314.64*	315.13**	315.13***	317.68***	99	3
28	30 JUL 59	1310	HR	314.03*				99	3
28	30 JUL 59	1310	HR	314.57*	314.30**			99	3
27	30 JUL 59	1340	HR	314.64*				99	3
27	30 JUL 59	1340	HR	314.57*	314.61**	314.45***	316.99***	99	3
30	15 AUG 59	1300	HR	314.34*				99	3
30	15 AUG 59	1300	HR	314.57*	314.45**			99	3
31	15 AUG 59	1330	HR	314.34*				99	3
31	15 AUG 59	1330	HR	314.34*	314.34**	314.40***	316.93***	99	3
32	30 AUG 59	1340	HR	314.50*				99	3
32	30 AUG 59	1340	HR	314.34*	314.42**			99	3
33	30 AUG 59	1350	HR	313.73				99	3
33	30 AUG 59	1350	HR	313.73	313.73	313.73	316.25	99	3
34	18 SEP 59	1400	HR	314.34*				99	3
34	18 SEP 59	1400	HR	314.18*	314.26**			99	3
35	18 SEP 59	1430	HR	313.80				99	3
35	18 SEP 59	1430	HR	314.03*	313.80	313.80	316.33	99	3
36	30 SEP 59	1300	HR	313.80				99	3
36	30 SEP 59	1300	HR	313.87	313.84	313.84	316.36	99	3
37	9 NOV 59	1300	HR	314.03				99	3
37	9 NOV 59	1300	HR	314.26	314.15			99	3
38	9 NOV 59	1330	HR	313.96				99	3
38	9 NOV 59	1330	HR	314.03	314.00	314.07	316.60	99	3
39	10 NOV 59	1300	HR	313.87				99	3
39	10 NOV 59	1300	HR	314.03	313.95			99	3
40	10 NOV 59	1330	HR	314.26				99	3
40	10 NOV 59	1330	HR	314.64*	314.26	314.06	316.58	99	3

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
	DATE	TIME		INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
41	11 NOV 59	1300	HR	313.89				100	3
41	11 NOV 59	1300	HR	313.89	313.89			101	3
42	11 NOV 59	1330	HR	314.12				100	3
42	11 NOV 59	1330	HR	314.81*				101	3
42	11 NOV 59	1330	HR	314.36	314.24	314.06	316.59	102	3
43	12 NOV 59	1300	HR	314.04				100	3
43	12 NOV 59	1300	HR	314.04	314.04			101	3
44	12 NOV 59	1330	HR	314.04				100	3
44	12 NOV 59	1330	HR	313.89	313.97	314.01	316.53	101	3
46	13 NOV 59	1300	HR	314.06				102	3
46	13 NOV 59	1300	HR	314.06	314.06			102	3
45	13 NOV 59	1330	HR	314.36				102	3
45	13 NOV 59	1330	HR	314.36	314.36	314.21	316.74	102	3
47	14 NOV 59	1230	HR	313.59				102	3
47	14 NOV 59	1230	HR	313.90	313.75			102	3
48	14 NOV 59	1300	HR	324.43*				102	3
48	14 NOV 59	1300	HR	324.59*	324.51**	313.75	316.27	102	3
49	15 NOV 59	0600	HR	313.75				102	3
49	15 NOV 59	0600	HR	313.90	313.83			102	3
50	15 NOV 59	0630	HR	313.83				102	3
50	15 NOV 59	0630	HR	313.75	313.79			102	3
51	15 NOV 59	0630	HR	314.22				102	3
51	15 NOV 59	0630	HR	314.06	314.14			102	3
52	15 NOV 59	0630	HR	314.06				102	3
52	15 NOV 59	0630	HR	313.67	313.86	313.90	316.43	102	3
53	17 NOV 59		HR	313.90				103	3
53	17 NOV 59		HR	313.67	313.78	313.78	316.31	103	3
56	18 NOV 59	0730	HR	313.67				103	3
56	18 NOV 59	0730	HR	313.90	313.78	313.78	316.31	103	3
57	25 NOV 59	0900	HR	313.67				103	3

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R
57	25 NOV 59	0900	HR	313.75	313.71			103	3
58	25 NOV 59	0920	HR	313.67				103	3
58	25 NOV 59	0920	HR	313.67	313.67			103	3
59	25 NOV 59	0935	HR	313.67				103	3
59	25 NOV 59	0935	HR	313.83	313.75			103	3
60	25 NOV 59	1000	HR	313.90				103	3
60	25 NOV 59	1000	HR	313.98	313.94	313.77	316.29	103	3
97	15 MAR 60		HT	371.00*	371.00**			170	4
100	15 MAR 60		HT	314.45*				170	4
100	15 MAR 60		HT	314.32*				170	4
100	15 MAR 60		HT	314.22*	314.33**	328.50***	332.19***	172	4
98	30 MAR 60		HT	314.56*				170	4
98	30 MAR 60		HT	314.30*	314.43**			172	4
101	30 MAR 60		HT	378.02*	378.02**	335.63***	340.03***	170	4
99	4 APR 60		HT	314.80*				170	4
99	4 APR 60		HT	314.80*				170	4
99	4 APR 60		HT	314.75*	314.78**			172	4
104	4 APR 60		HT	315.26*				170	4
104	4 APR 60		HT	315.49*				170	4
104	4 APR 60		HT	315.01*	315.26**	315.02***	317.64***	172	4
102	30 APR 60		HT	317.37*				170	4
102	30 APR 60		HT	316.79*	317.08**			170	4
103	30 APR 60		HT	314.91*				170	4
103	30 APR 60		HT	315.03*				170	4
103	30 APR 60		HT	314.57*	314.84**	315.73***	318.37***	172	4
105	19 MAY 60		HT	315.80*				168	4
105	19 MAY 60		HT	315.48*				169	4
105	19 MAY 60		HT	314.92*	315.40**			172	4
108	19 MAY 60		HT	316.84*				168	4
108	19 MAY 60		HT	316.18*	316.51**	315.84***	318.48***	169	4

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
106	1 JUN	60	HT	332.70*	332.70**			169	4
107	1 JUN	60	HT	316.41*	316.41**	324.56***	327.50***	169	4
73	15 JUN	60	HT	319.42*	319.42**			167	4
74	15 JUN	60	HT	323.71*	323.71**	321.56***	324.34***	167	4
77	2 JUL	60	HT	330.89*	330.89**			168	4
79	2 JUL	60	HT	324.32*				168	4
79	2 JUL	60	HT	324.89*				168	4
79	2 JUL	60	HT	323.94*	324.38**	326.01***	328.95***	172	4
80	15 JUL	60	HT	332.26*				168	4
80	15 JUL	60	HT	331.73*	331.99**			172	4
83	15 JUL	60	HT	321.78*				168	4
83	15 JUL	60	HT	322.01*				168	4
83	15 JUL	60	HT	321.82*	321.87**	325.92***	328.88***	172	4
62	1 AUG	60	HT	343.32*	343.32**			168	4
82	1 AUG	60	HT	315.00*				168	4
82	1 AUG	60	HT	314.89*				168	4
82	1 AUG	60	HT	315.01*	314.96**			172	4
84	1 AUG	60	HT	315.00*				168	4
84	1 AUG	60	HT	315.23*				168	4
84	1 AUG	60	HT	315.01*	315.08**	319.06***	321.87***	172	4
65	17 AUG	60	HT	315.70*				167	4
65	17 AUG	60	HT	315.24*				167	4
65	17 AUG	60	HT	315.36*	315.43**			172	4
66	17 AUG	60	HT	315.47*				167	4
66	17 AUG	60	HT	315.01*				167	4
66	17 AUG	60	HT	315.19*	315.22**	315.33***	317.95***	173	4
70	30 AUG	60	HT	314.78*				167	4
70	30 AUG	60	HT	315.24*				167	4
70	30 AUG	60	HT	314.92*	314.98**	314.98***	317.60***	173	4
67	15 SEP	60	HT	329.74*				167	4

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
67	15	SEP 60	HT	329.63*	329.69**			167	4
68	15	SEP 60	HT	316.75*				167	4
68	15	SEP 60	HT	316.87*	316.81**	323.25***	326.12***	167	4
71	30	SEP 60	HT	315.70*				167	4
71	30	SEP 60	HT	315.59*				167	4
71	30	SEP 60	HT	315.19*	315.49**			172	4
72	30	SEP 60	HT	316.06*				167	4
72	30	SEP 60	HT	315.82*				167	4
72	30	SEP 60	HT	315.36*	315.75**	315.62***	318.25***	173	4
69	15	OCT 60	HT	317.57*				167	4
69	15	OCT 60	HT	317.80*	317.68**			167	4
85	15	OCT 60	HT	361.86*	361.86**			171	4
86	15	OCT 60	HT	318.09*				171	4
86	15	OCT 60	HT	318.20*	318.15**	326.70***	330.00***	171	4
87	30	OCT 60	HT	315.97*				171	4
87	30	OCT 60	HT	315.97*				171	4
87	30	OCT 60	HT	315.71*	315.88**			173	4
89	30	OCT 60	HT	344.96*	344.96**			171	4
90	30	OCT 60	HT	338.98*	338.98**			171	4
92	30	OCT 60	HT	314.80*				170	4
92	30	OCT 60	HT	315.03*				170	4
92	30	OCT 60	HT	314.65*	314.83**	322.01***	324.94***	172	4
94	15	NOV 60	HT	326.74*				170	4
94	15	NOV 60	HT	326.50*				170	4
94	15	NOV 60	HT	326.24*	326.49**			172	4
95	15	NOV 60	HT	331.23*	331.23**			171	4
96	15	NOV 60	HT	315.97*				171	4
96	15	NOV 60	HT	315.03*				171	4
96	15	NOV 60	HT	315.28*	315.43**	322.43***	325.27***	172	4
205	2	FEB 61 1210	RW	314.14*				235	5

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R
205	2 FEB 61	1210	RW	314.03*	314.09**	314.09***	316.74***	235	5
207	28 FEB 61	1223	RW	313.81*				235	5
207	28 FEB 61	1223	RW	313.81*	313.81**			235	5
208	28 FEB 61	1224	RW	314.25*				235	5
208	28 FEB 61	1224	RW	314.03*	314.14**	313.98***	316.63***	235	5
210	16 MAR 61	1230	RW	324.28*				235	5
210	16 MAR 61	1230	RW	323.84*	324.06**	324.06***	326.97***	235	5
209	2 APR 61	1220	RW	315.81*				235	5
209	2 APR 61	1220	RW	315.81*	315.81**			235	5
212	2 APR 61	1223	RW	317.57*				231	5
212	2 APR 61	1223	RW	317.35*	317.46**			231	5
213	2 APR 61	1227	RW	314.58*				231	5
213	2 APR 61	1227	RW	314.47*	314.53**	315.93***	318.61***	231	5
214	4 APR 61	1451	RW	315.35*				232	5
214	4 APR 61	1451	RW	315.15*	315.25**			233	5
215	4 APR 61	1454	RW	315.35*				232	5
215	4 APR 61	1454	RW	315.39*	315.37**	315.31***	317.98***	233	5
1	1 MAY 61	1516	RW	314.26*				233	5
1	1 MAY 61	1516	RW	314.15*	314.21**			233	5
2	1 MAY 61	1517	RW	314.26*				233	5
2	1 MAY 61	1517	RW	314.26*	314.26**	314.24***	316.89***	233	5
3	18 MAY 61	1643	RW	314.48*				233	5
3	18 MAY 61	1643	RW	314.82*	314.65**			233	5
4	18 MAY 61	1645	RW	314.71*				233	5
4	18 MAY 61	1645	RW	314.93*	314.82**	314.74***	317.40***	233	5
5	31 MAY 61	1209	RW	314.26*				234	5
5	31 MAY 61	1209	RW	314.26*	314.26**			234	5
6	31 MAY 61	1211	RW	314.26*				234	5
6	31 MAY 61	1211	RW	314.15*	314.21**	314.24***	316.89***	234	5
10	4 JUL 61	1504	RW	314.37*	314.37**			233	5

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
	DATE	TIME (LOCAL)		INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R
12	4 JUL 61	1505	RW	314.26*				233	5
12	4 JUL 61	1505	RW	314.26*	314.26**	314.30***	316.95***	233	5
15	4 AUG 61	1426	RW	345.63*	345.63**			233	5
16	4 AUG 61	1428	RW	315.60*				233	5
16	4 AUG 61	1428	RW	315.84*	315.72**	325.69***	328.87***	233	5
17	18 AUG 61	0021	RW	315.71*				233	5
17	18 AUG 61	0021	RW	316.06*	315.83**			233	5
18	18 AUG 61	0022	RW	315.60*				233	5
18	18 AUG 61	0022	RW	315.84*	315.72**	315.80***	318.48***	233	5
19	1 SEP 61	0316	RW	315.35*				231	5
19	1 SEP 61	0316	RW	315.58*	315.46**			231	5
20	1 SEP 61	0317	RW	315.58*				231	5
20	1 SEP 61	0317	RW	315.46*	315.52**	315.49***	318.17***	231	5
21	15 SEP 61	0403	RW	315.35*				231	5
21	15 SEP 61	0403	RW	315.24*	315.29**			231	5
22	15 SEP 61	0404	RW	315.35*				231	5
22	15 SEP 61	0404	RW	314.91*	315.13**	315.21***	317.88***	231	5
23	5 OCT 61	1203	RW	314.91*				231	5
23	5 OCT 61	1203	RW	314.80*	314.86**			231	5
24	5 OCT 61	1204	RW	315.13*				231	5
24	5 OCT 61	1204	RW	314.91*	315.02**	314.94***	317.60***	231	5
109	22 NOV 61	0915	LG	315.73*				9	270 5
109	22 NOV 61	0915	LG	316.65*	316.19**	316.19***	318.92***	9	271 5
110	20 DEC 61	0915	LG	317.98*	317.98**			9	270 5
111	20 DEC 61	0930	LG	317.60*	317.60**	317.79***	320.56***	9	270 5
112	18 JAN 62	2130	LG	315.78*				9	271 5
112	18 JAN 62	2130	LG	316.02*	315.90**			9	272 5
113	18 JAN 62	2135	LG	315.52*				9	271 5
113	18 JAN 62	2135	LG	315.78*	315.65**	315.77***	318.50***	9	272 5
114	5 MAR 62	0950	LG	315.14*				9	271 5

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R	
114	5 MAR 02	0950	LG	315.01*	315.07**		9	272	5	
115	5 MAR 02	1000	LG	316.79*			9	271	5	
115	5 MAR 02	1000	LG	316.91*	316.85**	315.96***	318,69***	9	272	5
116	5 APR 02	1945	LG	317.41*				9	271	5
116	5 APR 02	1945	LG	317.03*	317.22**			9	271	5
117	5 APR 02	1955	LG	315.01*				9	271	5
117	5 APR 02	1955	LG	314.89*	314.95**	316.08***	318,82***	9	271	5
118	7 MAY 02	1830	LG	314.86*				9	270	5
118	7 MAY 02	1830	LG	315.64*	315.25**			9	271	5
119	7 MAY 02	1845	LG	315.01*				9	271	5
119	7 MAY 02	1845	LG	315.01*	315.01**	315.13***	317,84***	9	271	5
I-73	11 JUN 02	0530	LG	315.90*				9	271	5
I-73	11 JUN 02	0530	LG	315.64*	315.77**			9	272	5
I-74	11 JUN 02	0540	LG	318.18*	318.18**	316.57***	319,31***	9	271	5
I-75	14 JUL 02	0445	LG	320.19*	320.19**			9	272	5
I-76	14 JUL 02	0455	LG	319.31*	319.31**	319.75***	322,57***	9	272	5
I-77	24 JUL 02	0615	LG	319.38*	319.38**			9	273	5
I-78	24 JUL 02	0620	LG	319.38*	319.38**	319.38***	322,19***	9	273	5
I-79	6 AUG 02	1400	LG	318.09*	318.09**			9	273	5
I-80	6 AUG 02	1415	LG	323.28*	323.28**	320.69***	323,54***	9	273	5
I-81	31 AUG 02	0500	LG	315.88*				9	273	5
I-81	31 AUG 02	0500	LG	316.02*	315.95**			9	274	5
I-82	31 AUG 02	0505	LG	315.88*				9	273	5
I-82	31 AUG 02	0505	LG	316.27*	316.08**	316.02***	318,75***	9	274	5
I-83	13 SEP 02	1830	LG	314.85*	314.85**			11	274	5
I-84	13 SEP 02	1843	LG	315.49*	315.49**	315.17***	317,89***	11	274	5
I-97	10 OCT 02	1310	LG	316.32*	316.32**			11	277	6
I-98	10 OCT 02	1320	LG	316.91*	316.91**	316.62***	319,37***	11	277	6
I-99	14 OCT 02	1335	LG	318.41*	318.41**			11	279	6
I-100	14 OCT 02	1345	LG	318.41*	318.41**	318.41***	321,20***	11	279	6

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R	
I-101	19 OCT 62	1535	LG	319.42*	319.42**			11	279	6
I-102	19 OCT 62	1540	LG	319.42*	319.42**	319.42***	322,24***	11	279	6
I-103	5 NOV 62	0410	LG	317.33*	317.33**			11	280	6
I-104	5 NOV 62	0415	LG	316.69*	316.69**	317.01***	319,78***	11	280	6
I-105	8 NOV 62	0420	LG	317.20*	317.20**			11	283	6
I-106	8 NOV 62	0425	LG	316.41*	316.41**			11	283	6
I-107	8 NOV 62	1100	LG	316.01*	316.01**	316.54***	319,29***	11	284	6
I-134	6 FEB 63	0601	CB	315.52*				13	309	7
I-134	6 FEB 63	0601	CB	315.39*	315.45**			13	315	7
I-133	6 FEB 63	0611	CB	317.40*	317.40**	316.10***	318,93***	13	309	7
I-135	21 FEB 63	2341	CB	321.32*				13	309	7
I-135	21 FEB 63	2341	CB	321.03*	321.17**			13	309	7
I-136	21 FEB 63	2355	CB	318.37*	318.37**	320.24***	323,17***	13	309	7
I-138	25 FEB 63	0325	CB	322.94*				15	313	7
I-138	25 FEB 63	0325	CB	322.94*	322.94**			15	313	7
I-139	25 FEB 63	0337	CB	315.04*				15	313	7
I-139	25 FEB 63	0337	CB	315.63*	315.29**	319.11***	322,03***	15	314	7
I-141	1 MAR 63	0251	CB	320.37*	320.37**			17	313	7
I-143	1 MAR 63	0301	CB	320.56*	320.56**	320.47***	323,40***	17	313	7
I-144	15 MAR 63	1211	CB	316.03*				19	313	7
I-144	15 MAR 63	1211	CB	315.63*	315.83**	315.83***	318,65***	19	314	7
I-123	1 APR 63	0740	CB	318.49*	318.49**			21	314	7
I-125	1 APR 63	0807	CB	315.43*				21	314	7
I-125	1 APR 63	0807	CB	315.28*	315.35**	316.40***	319,24***	21	315	7
I-126	15 APR 63	1010	CB	315.34*				23	314	7
I-126	15 APR 63	1010	CB	315.28*	315.31**			23	315	7
I-128	15 APR 63	1040	CB	315.63*				23	314	7
I-128	15 APR 63	1040	CB	315.28*	315.45**	315.38***	318,19***	23	315	7
I-129	1 MAY 63	0800	CB	315.24*				25	314	7
I-129	1 MAY 63	0800	CB	315.34*	315.29**	315.29***	318,10***	25	314	7

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.			
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R	
I-131	6	MAY 63	0049	CB	316.13*			25	314	7	
I-131	6	MAY 63	0049	CB	315.14*	315.63**		25	314	7	
I-132	6	MAY 63	0057	CB	315.63*			25	314	7	
I-132	6	MAY 63	0057	CB	315.63*	315.63**	315.63***	318.45***	25	314	7
I-145	15	MAY 63	1426	CB	320.37*	320.37**			27	314	7
I-146	15	MAY 63	1434	CB	315.84*				27	314	7
I-146	15	MAY 63	1434	CB	315.84*	315.84**	317.35***	320.21***	27	314	7
I-148	22	MAY 63	0427	CB	323.43*	323.43**	323.43***	326.46***	27	314	7
I-149	1	JUN 63	0931	CB	315.52*				29	309	7
I-149	1	JUN 63	0931	CB	315.88*	315.70**			29	315	7
I-150	1	JUN 63	0939	CB	315.42*				29	309	7
I-150	1	JUN 63	0939	CB	315.48*	315.45**	315.58***	318.39***	29	315	7
I-151	10	JUN 63	1310	CB	315.71*				29	309	7
I-151	10	JUN 63	1310	CB	315.13*	315.42**			29	309	7
I-152	10	JUN 63	1317	CB	320.93*	320.93**	317.26***	320.12***	29	309	7
I-153	11	JUN 63	2341	CB	315.52*				31	310	7
I-153	11	JUN 63	2341	CB	315.88*	315.70**			31	315	7
I-154	11	JUN 63	2352	CB	315.52*				31	310	7
I-154	11	JUN 63	2352	CB	315.68*	315.60**	315.65***	318.47***	31	315	7
I-155	14	JUN 63	0132	CB	315.23*				31	310	7
I-155	14	JUN 63	0132	CB	315.28*	315.25**			31	315	7
I-156	14	JUN 63	0147	CB	315.81*				31	310	7
I-156	14	JUN 63	0147	CB	315.78*	315.79**	315.52***	318.34***	31	315	7
I-50	1	JUL 63	1623	CB	315.62*				33	310	7
I-50	1	JUL 63	1623	CB	315.58*	315.60**			33	315	7
I-52	1	JUL 63	1634	CB	315.52*				33	310	7
I-52	1	JUL 63	1634	CB	315.68*	315.60**	315.60***	318.42***	33	315	7
I-51	11	JUL 63	0930	CB	315.32*				33	310	7
I-51	11	JUL 63	0930	CB	315.35*	315.34**	315.34***	318.15***	33	311	7
I-53	14	JUL 63	0208	CB	316.99*	316.99**			35	310	7

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R
I-54	14	JUL 63 0220	CB	315.62*				35	310	7
I-54	14	JUL 63 0220	CB	315.45*	315.53**	316.02***	318.84***	35	311	7
I-55	20	JUL 63 0302	CB	315.62*				35	310	7
I-55	20	JUL 63 0302	CB	315.45*	315.53**			35	311	7
I-56	20	JUL 63 0311	CB	315.42*				35	310	7
I-56	20	JUL 63 0311	CB	315.04*	315.23**	315.38***	318.20***	35	311	7
I-57	1	AUG 63 1404	CB	315.35*				37	311	7
I-57	1	AUG 63 1404	CB	315.08*	315.21**			37	315	7
I-58	1	AUG 63 1414	CB	315.45*				37	311	7
I-58	1	AUG 63 1414	CB	315.48*	315.46**	315.34***	318.15***	37	315	7
I-59	2	AUG 63 2057	CB	316.24*				37	311	7
I-59	2	AUG 63 2057	CB	315.88*	316.06**			37	315	7
I-60	2	AUG 63 2107	CB	315.74*				37	311	7
I-60	2	AUG 63 2107	CB	315.98*	315.86**	315.96***	318.79***	37	315	7
I-88	17	AUG 63 0152	CB	316.03*				39	311	7
I-88	17	AUG 63 0152	CB	316.48*	316.26**			39	316	7
I-90	17	AUG 63 0204	CB	315.84*				39	311	7
I-90	17	AUG 63 0204	CB	316.38*	316.11**	316.18***	319.01***	39	316	7
I-87	1	SEP 63 1810	CB	316.82*				41	311	7
I-87	1	SEP 63 1810	CB	316.73*	316.77**			41	311	7
I-89	1	SEP 63 1821	CB	315.45*				41	311	7
I-89	1	SEP 63 1821	CB	315.74*	315.59**	316.18***	319.01***	41	311	7
I-94	8	SEP 63 1827	CB	315.84*				41	311	7
I-94	8	SEP 63 1827	CB	315.58*	315.71**			41	316	7
I-95	8	SEP 63 1837	CB	315.84*				41	311	7
I-95	8	SEP 63 1837	CB	315.58*	315.71**	315.71***	318.53***	41	316	7
I-91	15	SEP 63 2143	CB	314.95*				43	312	7
I-91	15	SEP 63 2143	CB	315.88*	315.42**			43	316	7
I-92	15	SEP 63 2158	CB	315.04*				43	312	7
I-92	15	SEP 63 2158	CB	315.48*	315.26**	315.34***	318.15***	43	316	7

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE,	DATA SHEET NO.			
				INDIV. ANAL.	FLASK AVE,	DAILY AVE.		FIELD	ANAL.	R	
I-93	24	SEP 63	2332	CB	315.64*			43	312	7	
I-93	24	SEP 63	2332	CB	316.32*	315.98**		43	313	7	
I-96	24	SEP 63	2343	CB	315.45*			43	312	7	
I-96	24	SEP 63	2343	CB	315.93*	315.69**	315.84***	318.66***	43	313	7
I-109	1	OCT 63	2328	CB	350.64*	350.64**		45	312	7	
I-110	1	OCT 63	2342	CB	316.03*			45	312	7	
I-110	1	OCT 63	2342	CB	315.73*	315.88**	327.47***	330.94***	45	313	7
I-111	4	OCT 63	0115	CB	315.84*			45	312	7	
I-111	4	OCT 63	0115	CB	316.03*	315.93**		45	313	7	
I-112	4	OCT 63	0124	CB	316.53*	316.53**	316.13***	318.96***	45	312	7
I-113	15	OCT 63	0652	CB	316.24*			47	312	7	
I-113	15	OCT 63	0652	CB	315.84*	316.04**		47	312	7	
I-114	15	OCT 63	0703	CB	317.32*			47	312	7	
I-114	15	OCT 63	0703	CB	317.03*	317.18**	316.61***	319.44***	47	312	7
I-115	29	OCT 63	0155	CB	316.52*			47	313	7	
I-115	29	OCT 63	0155	CB	316.58*	316.55**		47	316	7	
I-116	29	OCT 63	0208	CB	316.52*			47	313	7	
I-116	29	OCT 63	0208	CB	316.08*	316.30**	316.42***	319.26***	47	316	7
I-117	30	OCT 63	0238	CB	316.03*			49	313	7	
I-117	30	OCT 63	0238	CB	316.18*	316.10**		49	316	7	
I-118	30	OCT 63	0255	CB	316.03*			49	313	7	
I-118	30	OCT 63	0255	CB	316.27*	316.15**	316.13***	318.96***	49	316	7
I-119	31	OCT 63	2106	CB	315.93*			49	313	7	
I-119	31	OCT 63	2106	CB	316.27*	316.10**		49	316	7	
I-120	31	OCT 63	2117	CB	316.23*			49	313	7	
I-120	31	OCT 63	2117	CB	315.98*	316.10**	316.10***	318.93***	49	316	7
I-1	1	FEB 65	1255	LA	316.34			1	441	10	
I-1	1	FEB 65	1255	LA	316.34	316.34		1	441	10	
I-2	1	FEB 65	1300	LA	316.10			1	441	10	
I-2	1	FEB 65	1300	LA	316.10	316.10		1	441	10	

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
	DATE (LOCAL)	TIME		INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD	ANAL. R
I-3	1 FEB 65	1305	LA	315.87				1	441 10
I-3	1 FEB 65	1305	LA	316.34	316.10	316.18	319,13	1	441 10
I-4	6 FEB 65	1215	LA	315.41				2	441 10
I-4	6 FEB 65	1215	LA	315.52	315.46			2	441 10
I-5	6 FEB 65	1218	LA	315.98				2	441 10
I-5	6 FEB 65	1218	LA	315.98	315.98			2	441 10
I-6	6 FEB 65	1221	LA	316.34				2	441 10
I-6	6 FEB 65	1221	LA	316.34	316.34	315.93	318,87	2	441 10
I-7	15 FEB 65	1254	LA	316.10				3	442 10
I-7	15 FEB 65	1254	LA	316.10	316.10			3	442 10
I-8	15 FEB 65	1257	LA	315.52				3	442 10
I-8	15 FEB 65	1257	LA	315.64	315.58			3	442 10
I-9	15 FEB 65	1300	LA	315.75				3	442 10
I-9	15 FEB 65	1300	LA	315.64	315.70	315.79	318,73	3	442 10
I-12	17 FEB 65	1230	LA	315.64				4	442 10
I-12	17 FEB 65	1230	LA	315.75	315.70	315.70	318,63	4	442 10
I-13	1 MAR 65	1235	LA	316.04				5	444 10
I-13	1 MAR 65	1235	LA	316.27	316.16			5	444 10
I-14	1 MAR 65	1240	LA	315.46				5	445 10
I-14	1 MAR 65	1240	LA	315.80	315.63			5	445 10
I-15	1 MAR 65	1245	LA	315.69				5	445 10
I-15	1 MAR 65	1245	LA	316.27	315.98	315.92	318,87	5	445 10
I-16	8 MAR 65	1230	LA	315.80				6	445 10
I-16	8 MAR 65	1230	LA	315.57	315.68			6	445 10
I-17	8 MAR 65	1235	LA	315.69				6	445 10
I-17	8 MAR 65	1235	LA	315.46	315.57			6	445 10
I-18	8 MAR 65	1240	LA	315.69				6	445 10
I-18	8 MAR 65	1240	LA	315.80	315.74	315.67	318,60	6	445 10
I-19	15 MAR 65	1225	LA	315.69				7	445 10
I-19	15 MAR 65	1225	LA	315.69	315.69			7	445 10

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)			OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
					INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD	ANAL. R
I-20	15	MAR	05 1230	LA	315.57				7	445 10
I-20	15	MAR	05 1230	LA	315.69	315.63			7	445 10
I-21	15	MAR	05 1235	LA	315.67				7	446 10
I-21	15	MAR	05 1235	LA	315.54	315.60	315.64	318.58	7	446 10
I-22	1	APR	05 1255	LA	315.67				8	446 10
I-22	1	APR	05 1255	LA	315.67	315.67			8	446 10
I-23	1	APR	05 1300	LA	316.48*				8	446 10
I-23	1	APR	05 1300	LA	316.48*	316.48**			8	446 10
I-24	1	APR	05 1305	LA	317.05*				8	446 10
I-24	1	APR	05 1305	LA	315.90	315.90	315.74	318.68	8	446 10
I-37	15	APR	05 1250	LA	315.67				9	446 10
I-37	15	APR	05 1250	LA	315.67	315.67			9	446 10
I-38	15	APR	05 1253	LA	315.78				9	446 10
I-38	15	APR	05 1253	LA	315.78	315.78			9	446 10
I-39	15	APR	05 1256	LA	315.67				9	446 10
I-39	15	APR	05 1256	LA	315.67	315.67	315.70	318.64	9	446 10
I-41	1	MAY	05 1238	LA	315.90				10	447 10
I-41	1	MAY	05 1238	LA	315.90	315.90			10	447 10
I-42	1	MAY	05 1241	LA	315.67				10	447 10
I-42	1	MAY	05 1241	LA	316.25	315.96	315.93	318.87	10	447 10
I-43	15	MAY	05 1250	LA	316.59*				11	447 10
I-43	15	MAY	05 1250	LA	316.36	316.36			11	447 10
I-44	15	MAY	05 1253	LA	316.13				11	448 10
I-44	15	MAY	05 1253	LA	316.13	316.13			11	448 10
I-45	15	MAY	05 1256	LA	316.01				11	449 10
I-45	15	MAY	05 1256	LA	316.01	316.01	316.13	319.07	11	449 10
I-61	15	JUN	05 1230	LA	316.59				13	449 10
I-61	15	JUN	05 1230	LA	316.36	316.48	316.48	319.43	13	449 10
I-64	22	JUN	05 1220	LA	314.85				14	449 10
I-64	22	JUN	05 1220	LA	314.97	314.91			14	449 10

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)			OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
					INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD	ANAL.
I-65	22	JUN	05 1223	LA	316.47				14	449 10
I-65	22	JUN	05 1223	LA	316.59	316.53			14	449 10
I-66	22	JUN	05 1226	LA	316.59				14	449 10
I-66	22	JUN	05 1226	LA	316.36	316.48	315.97	318.92	14	449 10
I-67	1	JUL	05 1230	LA	318.15*				15	453 10
I-67	1	JUL	05 1230	LA	318.15*	318.15**			15	453 10
I-68	1	JUL	05 1233	LA	317.57*				15	453 10
I-68	1	JUL	05 1233	LA	317.33*	317.45**			15	453 10
I-69	1	JUL	05 1236	LA	317.10*				15	453 10
I-69	1	JUL	05 1236	LA	316.98*	317.04**	317.55***	320.53***	15	453 10
I-71	15	JUL	05 1218	LA	316.87				16	453 10
I-71	15	JUL	05 1218	LA	316.87	316.87	316.87	319.84	16	453 10
I-121	21	JUL	05 1215	LA	317.33*				17	453 10
I-121	21	JUL	05 1215	LA	317.10	317.10			17	453 10
I-122	21	JUL	05 1218	LA	316.52				17	454 10
I-122	21	JUL	05 1218	LA	316.40	316.46			17	454 10
I-123	21	JUL	05 1221	LA	316.75				17	454 10
I-123	21	JUL	05 1221	LA	316.52	316.63	316.66	319.62	17	454 10
I-125	1	AUG	05 1233	LA	316.63				18	454 10
I-125	1	AUG	05 1233	LA	316.63	316.63			18	454 10
I-126	1	AUG	05 1236	LA	316.52				18	455 10
I-126	1	AUG	05 1236	LA	316.52	316.52	316.57	319.53	18	455 10
I-127	15	AUG	05 1230	LA	316.87				19	455 10
I-127	15	AUG	05 1230	LA	316.75	316.81			19	455 10
I-128	15	AUG	05 1233	LA	316.87				19	455 10
I-128	15	AUG	05 1233	LA	316.52	316.70			19	455 10
I-129	15	AUG	05 1236	LA	316.75				19	455 10
I-129	15	AUG	05 1236	LA	316.64	316.70	316.73	319.70	19	455 10
I-133	1	SEP	05 1230	LA	317.69*				21	455 10
I-133	1	SEP	05 1230	LA	317.57	317.57			21	455 10

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
I-134	1	SEP 65 1233	LA	317.57				21	456 10
I-134	1	SEP 65 1233	LA	317.46	317.51			21	456 10
I-135	1	SEP 65 1236	LA	317.10				21	456 10
I-135	1	SEP 65 1236	LA	316.98	317.04	317.33	320.31	21	456 10
I-136	15	SEP 65 1215	LA	317.23				22	456 10
I-136	15	SEP 65 1215	LA	317.23	317.23			22	456 10
I-138	15	SEP 65 1221	LA	318.57*				22	463 10
I-138	15	SEP 65 1221	LA	318.44*	318.50**	317.23	320.20	22	463 10
I-139	22	SEP 65 1215	LA	319.89*				23	463 10
I-139	22	SEP 65 1215	LA	319.77*	319.83**			23	463 10
I-140	22	SEP 65 1218	LA	320.37*				23	463 10
I-140	22	SEP 65 1218	LA	320.61*	320.49**			23	463 10
I-141	22	SEP 65 1221	LA	319.16*				23	463 10
I-141	22	SEP 65 1221	LA	318.69*	318.93**	319.75***	322.79***	23	463 10
I-142	1	OCT 65 1225	LA	318.69*				24	463 10
I-142	1	OCT 65 1225	LA	318.57*	318.63**			24	463 10
I-143	1	OCT 65 1228	LA	317.85*				24	463 10
I-143	1	OCT 65 1228	LA	317.97*	317.91**			24	463 10
I-144	1	OCT 65 1231	LA	318.20*				24	463 10
I-144	1	OCT 65 1231	LA	318.09*	318.15**	318.23***	321.23***	24	463 10
I-145	15	OCT 65 1215	LA	319.89*				25	464 10
I-145	15	OCT 65 1215	LA	319.65*	319.77**			25	464 10
I-146	15	OCT 65 1218	LA	319.53*				25	464 10
I-146	15	OCT 65 1218	LA	319.65*	319.59**			25	464 10
I-147	15	OCT 65 1221	LA	356.83*	356.83**	327.11***	330.65***	25	464 10
I-150	21	OCT 65 1236	LA	319.16*				26	464 10
I-150	21	OCT 65 1236	LA	318.81*	318.99**	318.99***	322.01***	26	464 10
I-151	1	NOV 65 1235	LA	319.39*				27	465 10
I-151	1	NOV 65 1235	LA	319.52*	319.46**			27	465 10
I-152	1	NOV 65 1238	LA	319.39*				27	465 10

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R
I-152	1	NOV 05 1238	LA	319.52*	319.46**			27	465	10
I-153	1	NOV 05 1241	LA	320.11*				27	465	10
I-153	1	NOV 05 1241	LA	320.00*	320.06**	319.66***	322.70***	27	465	10
I-155	15	NOV 05 1447	RS	318.08*				28	465	10
I-155	15	NOV 05 1447	RS	317.83	317.83			28	465	10
I-154	15	NOV 05 1453	RS	317.24				28	465	10
I-154	15	NOV 05 1453	RS	317.48	317.36			28	465	10
I-156	15	NOV 05 1505	RS	316.99				28	465	10
I-156	15	NOV 05 1505	RS	317.24	317.12	317.36	320.34	28	465	10
I-193	2	DEC 05 2318	RS	317.59				29	466	10
I-193	2	DEC 05 2318	RS	317.24	317.41			29	466	10
I-194	2	DEC 05 2322	RS	323.72*				29	466	10
I-194	2	DEC 05 2322	RS	324.21*	323.96**			29	466	10
I-195	2	DEC 05 2327	RS	317.36				29	466	10
I-195	2	DEC 05 2327	RS	317.24	317.30	317.36	320.34	29	466	10
I-196	16	DEC 05 0422	RS	317.12				30	466	10
I-196	16	DEC 05 0422	RS	317.36	317.24			30	466	10
I-198	16	DEC 05 0426	RS	317.36				30	466	10
I-198	16	DEC 05 0426	RS	317.48	317.42	317.33	320.31	30	466	10
I-199	1	JAN 06 0449	RS	317.83				31	466	10
I-199	1	JAN 06 0449	RS	317.36	317.60			31	466	10
I-200	1	JAN 06 0452	RS	319.04*				31	466	10
I-200	1	JAN 06 0452	RS	319.16*	319.10**			31	466	10
I-201	1	JAN 06 0453	RS	317.71				31	466	10
I-201	1	JAN 06 0453	RS	317.59	317.65	317.62	320.61	31	466	10
I-202	19	JAN 06 0315	RS	317.40				32	467	10
I-202	19	JAN 06 0315	RS	317.27	317.33			32	467	10
I-203	19	JAN 06 0318	RS	317.27				32	467	10
I-203	19	JAN 06 0318	RS	317.52	317.40			32	467	10
I-204	19	JAN 06 0321	RS	317.27				32	467	10

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
I-204	19	JAN 66 0321	RS	317.40	317.33	317.36	320,34	32	467 10
I-208	4	FEB 66 0300	RS	317.27				34	467 10
I-208	4	FEB 66 0300	RS	317.15	317.21			34	467 10
I-209	4	FEB 66 0300	RS	318.13*				34	468 10
I-209	4	FEB 66 0300	RS	318.01*	318.07**			34	468 10
I-210	4	FEB 66 0300	RS	361.81*	361.81**	317.21	320,19	34	468 10
I-205	5	FEB 66 0113	RS	317.40				33	467 10
I-205	5	FEB 66 0113	RS	317.03	317.21			33	467 10
I-207	5	FEB 66 0124	RS	317.27				33	467 10
I-207	5	FEB 66 0124	RS	317.15	317.21	317.21	320,19	33	467 10
I-55	9	FEB 66 0526	RS	317.03				37	492 10
I-55	9	FEB 66 0526	RS	317.03	317.03			37	492 10
I-56	9	FEB 66 0530	RS	317.30				37	492 10
I-56	9	FEB 66 0530	RS	317.03	317.16			37	492 10
I-57	9	FEB 66 0535	RS	317.43				37	492 10
I-57	9	FEB 66 0535	RS	317.16	317.30	317.16	320,16	37	492 10
I-211	16	FEB 66 0525	RS	316.66				35	468 10
I-211	16	FEB 66 0525	RS	317.03	316.85			35	468 10
I-212	16	FEB 66 0526	RS	319.82*	319.82**			35	468 10
I-213	16	FEB 66 0528	RS	316.91				35	468 10
I-213	16	FEB 66 0528	RS	316.79	316.85			35	468 10
I-214	16	FEB 66 1047	RS	316.91				36	468 10
I-214	16	FEB 66 1047	RS	316.91	316.91			36	468 10
I-215	16	FEB 66 1048	RS	316.79				36	468 10
I-215	16	FEB 66 1048	RS	317.15	316.97			36	468 10
I-216	16	FEB 66 1049	RS	316.79				36	468 10
I-216	16	FEB 66 1049	RS	316.79	316.79	316.87	319,85	36	468 10
I-58	23	MAR 66 0525	RS	317.03				38	492 10
I-58	23	MAR 66 0525	RS	317.03	317.03			38	492 10
I-59	23	MAR 66 0535	RS	317.16				38	492 10

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING			OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
	DATE	AND TIME (LOCAL)			INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.
I-59	23 MAR 66	0535	RS	317.03	317.10			38	492	10
I-60	23 MAR 66	0540	RS	316.90				38	492	10
I-60	23 MAR 66	0540	RS	316.76	316.83	316.99	319.98	38	492	10
I-49	10 APR 66	2245	RS	317.16				39	492	10
I-49	10 APR 66	2245	RS	317.43	317.30			39	492	10
I-50	10 APR 66	2249	RS	317.03				39	492	10
I-50	10 APR 66	2249	RS	317.16	317.10			39	492	10
I-51	10 APR 66	2254	RS	317.16				39	493	10
I-51	10 APR 66	2254	RS	317.16	317.16	317.19	320.19	39	493	10
I-52	3 MAY 66	2358	RS	317.30				40	493	10
I-52	3 MAY 66	2358	RS	317.30	317.30			40	493	10
I-53	3 MAY 66	0005	RS	317.16				40	493	10
I-53	3 MAY 66	0005	RS	317.30	317.23			40	493	10
I-54	3 MAY 66	0011	RS	317.16				40	493	10
I-54	3 MAY 66	0011	RS	317.43	317.30	317.28	320.28	40	493	10
I-73	17 MAY 66	0622	RS	318.38*				41	493	10
I-73	17 MAY 66	0622	RS	318.38*	318.38**			41	493	10
I-74	17 MAY 66	0634	RS	317.98*				41	493	10
I-74	17 MAY 66	0634	RS	317.85*	317.91**			41	493	10
I-75	17 MAY 66	0638	RS	317.98*				41	493	10
I-75	17 MAY 66	0638	RS	317.98*	317.98**	318.09***	321.11***	41	493	10
I-76	7 JUN 66	0325	RS	317.57				42	493	10
I-76	7 JUN 66	0325	RS	317.30	317.43			42	493	10
I-77	7 JUN 66	0335	RS	317.97*				42	495	10
I-77	7 JUN 66	0335	RS	317.70	317.70			42	495	10
I-78	7 JUN 66	0345	RS	317.15				42	495	10
I-78	7 JUN 66	0345	RS	317.15	317.15	317.37	320.38	42	495	10
I-79	20 JUN 66	0125	RS	339.93*				43	495	10
I-79	20 JUN 66	0125	RS	340.06*	339.99**			43	495	10
I-80	20 JUN 66	0132	RS	359.58*				43	495	10

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
I-80	20 JUN 66	0132	RS	359.58*	359.58**			43	495 10
I-81	20 JUN 66	0140	RS	333.55*				43	495 10
I-81	20 JUN 66	0140	RS	333.55*	333.55**	344.38***	348,91***	43	495 10
I-82	1 JUL 66	0445	RS	334.37*				44	495 10
I-82	1 JUL 66	0445	RS	334.24*	334.30**			44	495 10
I-83	1 JUL 66	0451	RS	342.63*				44	495 10
I-83	1 JUL 66	0451	RS	342.63*	342.63**			44	495 10
I-84	1 JUL 66	0557	RS	340.46*				44	495 10
I-84	1 JUL 66	0557	RS	340.46*	340.46**	339.13***	343,15***	44	495 10
I-85	15 JUL 66		RS	318.50*				45	496 10
I-85	15 JUL 66		RS	318.50*	318.50**			45	496 10
I-86	15 JUL 66		RS	318.50*				45	496 10
I-86	15 JUL 66		RS	318.79*	318.64**			45	496 10
I-87	15 JUL 66		RS	317.83				45	496 10
I-87	15 JUL 66		RS	317.83	317.83	317.83	320,85	45	496 10
I-88	2 AUG 66	2220	RS	317.97				46	496 10
I-88	2 AUG 66	2220	RS	317.83	317.90			46	496 10
I-89	2 AUG 66	2229	RS	317.83				46	496 10
I-89	2 AUG 66	2229	RS	317.57	317.70			46	496 10
I-90	2 AUG 66	2243	RS	317.70				46	496 10
I-90	2 AUG 66	2243	RS	317.43	317.57	317.72	320,74	46	496 10
I-91	15 AUG 66	0458	RS	318.10				47	496 10
I-91	15 AUG 66	0458	RS	317.83	317.97			47	496 10
I-92	15 AUG 66	0505	RS	317.97				47	496 10
I-92	15 AUG 66	0505	RS	317.97	317.97			47	496 10
I-93	15 AUG 66	0513	RS	318.22				47	497 10
I-93	15 AUG 66	0513	RS	318.36*	318.22	318.02	321,04	47	497 10
I-94	1 SEP 66	0557	RS	318.36				48	497 10
I-94	1 SEP 66	0557	RS	318.49	318.43			48	497 10
I-95	1 SEP 66	0603	RS	318.36				48	497 10

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		ORSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANNUAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R
I-95	1	SEP 66 0603	RS	318.09	318.22			48	497 10
I-96	1	SEP 66 0605	RS	318.09				48	497 10
I-96	1	SEP 66 0605	RS	317.81	317.95	318.20	321.23	48	497 10
I-109	15	SEP 66 1250	RS	318.36				49	497 10
I-109	15	SEP 66 1250	RS	318.22	318.29			49	497 10
I-110	15	SEP 66 1301	RS	318.36				49	497 10
I-110	15	SEP 66 1301	RS	318.22	318.29			49	497 10
I-111	15	SEP 66 1302	RS	318.36				49	497 10
I-111	15	SEP 66 1302	RS	318.22	318.29	318.29	321.32	49	497 10
I-112	1	OCT 66 1040	RS	318.36				50	497 10
I-112	1	OCT 66 1040	RS	318.36	318.36			50	497 10
I-113	1	OCT 66 1050	RS	318.36				50	498 10
I-113	1	OCT 66 1050	RS	318.36	318.36			50	498 10
I-114	1	OCT 66 1051	RS	318.63				50	498 10
I-114	1	OCT 66 1051	RS	318.36	318.49	318.40	321.43	50	498 10
I-115	15	OCT 66 2240	RS	318.49				51	498 10
I-115	15	OCT 66 2240	RS	318.22	318.36			51	498 10
I-116	15	OCT 66 2240	RS	318.36				51	498 10
I-116	15	OCT 66 2240	RS	318.22	318.29			51	498 10
I-117	15	OCT 66 2240	RS	318.36				51	498 10
I-117	15	OCT 66 2240	RS	318.09	318.22	318.29	321.32	51	498 10
I-118	1	NOV 66 1147	RS	318.49				52	498 10
I-118	1	NOV 66 1147	RS	318.76	318.63			52	498 10
I-119	1	NOV 66 1148	RS	318.49				52	498 10
I-119	1	NOV 66 1148	RS	318.36	318.43			52	498 10
I-120	1	NOV 66 1149	RS	318.49				52	498 10
I-120	1	NOV 66 1149	RS	318.63	318.56	318.54	321.57	52	498 10
I-157	15	NOV 66 0243	RS	318.21				53	554 12
I-157	15	NOV 66 0243	RS	318.07	318.14			53	554 12
I-158	15	NOV 66 0244	RS	319.07*				53	554 12

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R
I-158	15	NOV 66 0244	RS	319.07*	319.07**			53	554	12
I-159	15	NOV 66 0245	RS	318.64				53	554	12
I-159	15	NOV 66 0245	RS	318.79	318.71			53	554	12
I-160	15	NOV 66 0247	JP	318.93*				54	554	12
I-160	15	NOV 66 0247	JP	318.64	318.64			54	554	12
I-161	15	NOV 66 0251	JP	318.49				54	554	12
I-161	15	NOV 66 0251	JP	318.49	318.49			54	554	12
I-162	15	NOV 66 0252	JP	318.49				54	554	12
I-162	15	NOV 66 0252	JP	318.36	318.43	318.46	321.55	54	554	12
I-163	-0	NOV 66		318.64				55	554	12
I-163	-0	NOV 66		318.64	318.64			55	554	12
I-165	-0	NOV 66		318.79				55	555	12
I-165	-0	NOV 66		318.49	318.64			55	555	12
I-166	-0	NOV 66		369.95*				55	555	12
I-166	-0	NOV 66		369.95*	369.95**			55	555	12
I-167	-0	NOV 66		319.50*				55	555	12
I-167	-0	NOV 66		319.21*	319.36**			55	555	12
I-168	-0	NOV 66		368.61*				55	556	12
I-168	-0	NOV 66		369.04*	368.83**	318.64	321.72	55	556	12
I-169	3	DEC 66 0403	JP	318.44				55	556	12
I-169	3	DEC 66 0403	JP	318.30	318.37			55	556	12
I-170	3	DEC 66 0404	JP	318.15				55	556	12
I-170	3	DEC 66 0404	JP	318.02	318.08			55	556	12
I-171	3	DEC 66 0408	JP	318.30				55	556	12
I-171	3	DEC 66 0408	JP	317.87	318.08	318.18	321.25	55	556	12
I-172	16	DEC 66 0313	JP	318.44				56	556	12
I-172	16	DEC 66 0313	JP	318.02	318.23			56	556	12
I-173	16	DEC 66 0314	JP	319.15*				56	556	12
I-173	16	DEC 66 0314	JP	318.86*	319.00**			56	556	12
I-174	16	DEC 66 0316	JP	317.87				56	556	12

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
I-174	16 DEC 66	0316	JP	317.72	317.80	318.01	321.08	56	556 12
I-176	1 FEB 67	2217	JP	318.15				57	557 12
I-176	1 FEB 67	2217	JP	317.87	318.01			57	557 12
I-179	1 FEB 67	2218	JP	318.46*				57	559 12
I-179	1 FEB 67	2218	JP	318.46*	318.46**			57	559 12
I-177	1 FEB 67	2221	JP	318.18				57	559 12
I-177	1 FEB 67	2221	JP	318.03	318.10			57	559 12
I-175	1 FEB 67	2222	JP	317.72				57	557 12
I-175	1 FEB 67	2222	JP	318.44*	317.72			57	557 12
I-178	1 FEB 67	2227	JP	317.88				57	559 12
I-178	1 FEB 67	2227	JP	318.18	318.03			57	559 12
I-180	1 FEB 67	2228	JP	317.88				57	559 12
I-180	1 FEB 67	2228	JP	317.88	317.88	317.98	321.04	57	559 12
I-1	1 MAR 67	0442	JP	320.72*				58	595 13
I-1	1 MAR 67	0442	JP	320.58*	320.65**			58	595 13
I-2	1 MAR 67	0448	JP	317.69				58	595 13
I-2	1 MAR 67	0448	JP	317.69	317.69	317.69	320.77	58	595 13
I-6	15 MAR 67	0530	JP	343.68*				59	596 13
I-6	15 MAR 67	0530	JP	343.83*	343.75**	343.75***	348.17***	59	596 13
I-7	1 APR 67	0842	JP	317.83				60	596 13
I-7	1 APR 67	0842	JP	317.83	317.83			60	596 13
I-8	1 APR 67	0845	JP	317.83				60	596 13
I-8	1 APR 67	0845	JP	317.83	317.83			60	596 13
I-9	1 APR 67	0848	JP	317.55				60	596 13
I-9	1 APR 67	0848	JP	317.55	317.55	317.74	320.82	60	596 13
I-10	15 APR 67	0342	JP	317.68				61	599 13
I-10	15 APR 67	0342	JP	317.38	317.53			61	599 13
I-11	15 APR 67	0345	JP	317.82				61	599 13
I-11	15 APR 67	0345	JP	317.53	317.68			61	599 13
I-12	15 APR 67	0348	JP	317.82				61	599 13

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING			OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
	DATE	AND TIME (LOCAL)			INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R
I-12	15 APR	07 0348		JP	317.53	317.68	317.63	320,71	61	599	13
I-13	1 MAY	07 0223		JP	317.68				62	599	13
I-13	1 MAY	07 0223		JP	317.82	317.75			62	599	13
I-14	1 MAY	07 0225		JP	317.82				62	599	13
I-14	1 MAY	07 0225		JP	317.82	317.82			62	599	13
I-15	1 MAY	07 0227		JP	317.82				62	599	13
I-15	1 MAY	07 0227		JP	317.82	317.82	317.80	320,80	62	599	13
I-16	15 MAY	07 1532		JP	317.98				63	600	13
I-16	15 MAY	07 1532		JP	317.83	317.91			63	600	13
I-17	15 MAY	07 1535		JP	317.83				63	600	13
I-17	15 MAY	07 1535		JP	317.69	317.76			63	600	13
I-18	15 MAY	07 1540		JP	317.98				63	600	13
I-18	15 MAY	07 1540		JP	317.69	317.83	317.83	320,92	63	600	13
I-19	1 JUN	07 0417		JP	317.98				64	600	13
I-19	1 JUN	07 0417		JP	317.69	317.83			64	600	13
I-20	1 JUN	07 0422		JP	317.83				64	600	13
I-20	1 JUN	07 0422		JP	317.83	317.83			64	600	13
I-21	1 JUN	07 0425		JP	317.69				64	600	13
I-21	1 JUN	07 0425		JP	317.69	317.69	317.79	320,87	64	600	13
I-22	15 JUN	07 1334		JP	317.83				65	600	13
I-22	15 JUN	07 1334		JP	317.69	317.76			65	600	13
I-23	15 JUN	07 1342		JP	317.69				65	600	13
I-23	15 JUN	07 1342		JP	317.55	317.62			65	600	13
I-24	15 JUN	07 1345		JP	317.83				65	601	13
I-24	15 JUN	07 1345		JP	317.83	317.83	317.74	320,82	65	601	13
I-37	1 JUL	07 1639		JP	317.98				66	601	13
I-37	1 JUL	07 1639		JP	317.83	317.91			66	601	13
I-38	1 JUL	07 1642		JP	317.83				66	601	13
I-38	1 JUL	07 1642		JP	317.83	317.83			66	601	13
I-39	1 JUL	07 1645		JP	318.55*				66	601	13

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R
I-39	1	JUL 67 1645	JP	318.42	318.42	317.98	321.07	66	601	13
I-40	15	JUL 67 0241	JP	318.54				67	604	13
I-40	15	JUL 67 0241	JP	317.82	318.18			67	604	13
I-41	15	JUL 67 0245	JP	317.82				67	604	13
I-41	15	JUL 67 0245	JP	317.68	317.75			67	604	13
I-42	15	JUL 67 0247	JP	319.98*				67	604	13
I-42	15	JUL 67 0247	JP	319.98*	319.98**	317.97	321.05	67	604	13
I-43	1	AUG 67 0035	JP	318.40				68	604	13
I-43	1	AUG 67 0035	JP	318.40	318.40			68	604	13
I-44	1	AUG 67 0040	JP	318.40				68	604	13
I-44	1	AUG 67 0040	JP	318.25	318.32			68	604	13
I-45	1	AUG 67 0043	JP	318.40				68	604	13
I-45	1	AUG 67 0043	JP	318.40	318.40	318.37	321.47	68	604	13
I-46	16	AUG 67 0326	JP	318.98*				69	604	13
I-46	16	AUG 67 0326	JP	319.11*	319.05**			69	604	13
I-48	16	AUG 67 0329	JP	318.83				69	605	13
I-48	16	AUG 67 0329	JP	318.54	318.69	318.69	321.79	69	605	13
I-61	2	SEP 67 1842	JP	318.69				70	605	13
I-61	2	SEP 67 1842	JP	318.69	318.69			70	605	13
I-62	2	SEP 67 1845	JP	319.11*				70	605	13
I-62	2	SEP 67 1845	JP	318.83	318.83			70	605	13
I-63	2	SEP 67 1849	JP	318.83				70	605	13
I-63	2	SEP 67 1849	JP	318.54	318.69	318.72	321.82	70	605	13
I-64	18	SEP 67 1914	JP	318.83				71	605	13
I-64	18	SEP 67 1914	JP	319.11	318.97			71	605	13
I-65	18	SEP 67 1919	JP	318.83				71	605	13
I-65	18	SEP 67 1919	JP	319.11	318.97			71	605	13
I-66	18	SEP 67 1924	JP	353.13*				71	605	13
I-66	18	SEP 67 1924	JP	353.84*	353.48**	318.97	322.09	71	605	13
I-67	1	OCT 67 1840	JP	318.94				72	606	13

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)	OBSR	ADJUSTED INDEX			MANO. DAILY AVE,	DATA SHEET NO.	
			INDIV. ANAL.	FLASK AVE,	DAILY AVE.		FIELD	ANAL. R
I-67	1 OCT 67 1840	JP	318.52	318.73		72	606 13	
I-68	1 OCT 67 1844	JP	319.38*			72	606 13	
I-68	1 OCT 67 1844	JP	319.38*	319.38**		72	606 13	
I-69	1 OCT 67 1849	JP	318.66			72	606 13	
I-69	1 OCT 67 1849	JP	318.81	318.74	318.73	321.84	72	606 13
I-70	15 OCT 67 1533	JP	318.81				73	606 13
I-70	15 OCT 67 1533	JP	318.81	318.81			73	606 13
I-71	15 OCT 67 1537	JP	318.94				73	606 13
I-71	15 OCT 67 1537	JP	318.52	318.73			73	606 13
I-72	15 OCT 67 1539	JP	318.52				73	606 13
I-72	15 OCT 67 1539	JP	318.52	318.52	318.69	321.79	73	606 13
I-121	1 NOV 67 0633	JP	319.52*				74	606 13
I-121	1 NOV 67 0633	JP	319.24	319.24			74	606 13
I-122	1 NOV 67 0638	JP	318.52				74	606 13
I-122	1 NOV 67 0638	JP	318.52	318.52			74	606 13
I-123	1 NOV 67 0643	JP	318.66				74	607 13
I-123	1 NOV 67 0643	JP	318.66	318.66	318.72	321.83	74	607 13
I-124	15 NOV 67 0648	JP	319.09				75	607 13
I-124	15 NOV 67 0648	JP	319.09	319.09			75	607 13
I-125	15 NOV 67 0653	JP	318.94				75	607 13
I-125	15 NOV 67 0653	JP	318.66	318.80			75	607 13
I-126	15 NOV 67 0658	JP	318.66				75	607 13
I-126	15 NOV 67 0658	JP	318.52	318.59	318.83	321.94	75	607 13
I-127	27 NOV 67 0833	JP	319.03				76	645 14
I-127	27 NOV 67 0833	JP	319.25	319.14			76	645 14
I-128	27 NOV 67 0839	JP	318.59				76	645 14
I-128	27 NOV 67 0839	JP	318.70	318.64			76	645 14
I-129	27 NOV 67 0842	JP	318.48				76	645 14
I-129	27 NOV 67 0842	JP	318.70	318.59			76	645 14
I-130	27 NOV 67 0836	HLC	351.80*				77	645 14

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING			OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
	DATE	AND TIME	(LOCAL)		INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.
I-130	27 NOV 67	0836	HLC	351.80*	351.80**			77	645	14
I-131	27 NOV 67	0842	HLC	319.04					652	14
I-131	27 NOV 67	0842	HLC	319.04	319.04				652	14
I-132	27 NOV 67	0845	HLC	354.72*					652	14
I-132	27 NOV 67	0845	HLC	354.83*	354.78**	318.85	321.99		652	14
I-133	1 DEC 67	1452	HLC	321.55*				78	654	14
I-133	1 DEC 67	1452	HLC	321.55*	321.55**			78	654	14
I-134	1 DEC 67	1455	HLC	318.70				78	654	14
I-134	1 DEC 67	1455	HLC	318.70	318.70			78	654	14
I-135	1 DEC 67	1502	HLC	318.60				78	658	14
I-135	1 DEC 67	1502	HLC	318.60	318.60	318.65	321.78	78	658	14
I-136	15 DEC 67	1506	HLC	318.82				79	658	14
I-136	15 DEC 67	1506	HLC	318.82	318.82			79	658	14
I-137	15 DEC 67	1510	HLC	319.59*				79	658	14
I-137	15 DEC 67	1510	HLC	319.59*	319.59**	318.82	321.96	79	658	14
I-139	1 JAN 68	1650	HLC	318.93				80	658	14
I-139	1 JAN 68	1650	HLC	318.71	318.82			80	658	14
I-140	1 JAN 68	1652	HLC	319.37*				80	658	14
I-140	1 JAN 68	1652	HLC	319.37*	319.37**			80	658	14
I-141	1 JAN 68	1655	HLC	318.38				80	659	14
I-141	1 JAN 68	1655	HLC	318.27	318.33	318.57	321.70	80	659	14
I-142	10 JAN 68	1450	HLC	318.71				81	659	14
I-142	10 JAN 68	1450	HLC	318.93	318.82			81	659	14
I-143	10 JAN 68	1455	HLC	318.49				81	659	14
I-143	10 JAN 68	1455	HLC	318.49	318.49			81	659	14
I-144	10 JAN 68	1458	HLC	318.27				81	659	14
I-144	10 JAN 68	1458	HLC	318.27	318.27	318.53	321.66	81	659	14
I-145	1 FEB 68	1500	HLC	322.16*				82	709	15
I-145	1 FEB 68	1500	HLC	321.54*	321.85**			82	709	15
I-146	1 FEB 68	1506	HLC	320.76*				82	709	15

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING			OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET		
	DATE	AND TIME	(LOCAL)		INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO.	FIELD	ANAL.
I-146	1	FEB 68	1506	HLC	319.98*	320.37**			82	709	15
I-147	1	FEB 68	1516	HLC	319.98*				82	709	15
I-147	1	FEB 68	1516	HLC	319.98*	319.98**	320.73***	323,96***	82	709	15
I-148	15	FEB 68	1500	HLC	319.04*				83	709	15
I-148	15	FEB 68	1500	HLC	318.72	318.72			83	709	15
I-149	15	FEB 68	1505	HLC	319.04*				83	709	15
I-149	15	FEB 68	1505	HLC	319.04*	319.04**			83	709	15
I-150	15	FEB 68	1510	HLC	318.88*				83	710	15
I-150	15	FEB 68	1510	HLC	318.88*	318.88**	318.72	321,90	83	710	15
I-211	1	MAR 68	0550	HLC	318.96*				84	711	15
I-211	1	MAR 68	0550	HLC	320.19*	319.57**			84	711	15
I-212	1	MAR 68	0555	HLC	318.96*				84	711	15
I-212	1	MAR 68	0555	HLC	320.04*	319.50**			84	711	15
I-213	1	MAR 68	0600	HLC	319.11*				84	711	15
I-213	1	MAR 68	0600	HLC	319.58*	319.35**	319.47***	322,66***	84	711	15
I-214	15	MAR 68	1155	HLC	319.26*				85	711	15
I-214	15	MAR 68	1155	HLC	319.26*	319.26**			85	711	15
I-215	15	MAR 68	1157	HLC	318.49				85	711	15
I-215	15	MAR 68	1157	HLC	318.49	318.49			85	711	15
I-216	15	MAR 68	1159	HLC	319.11*				85	711	15
I-216	15	MAR 68	1159	HLC	319.26*	319.19**	318.49	321,66	85	712	15
I-91	1	APR 68	0550	HLC	318.33				86	712	15
I-91	1	APR 68	0550	HLC	318.33	318.33			86	712	15
I-93	1	APR 68	0555	HLC	318.49				86	712	15
I-93	1	APR 68	0555	HLC	318.49	318.49	318.41	321,58	86	712	15
I-94	15	APR 68	1150	HLC	319.31*				87	713	15
I-94	15	APR 68	1150	HLC	319.15*	319.23**			87	713	15
I-95	15	APR 68	1155	HLC	324.60*				87	713	15
I-95	15	APR 68	1155	HLC	324.74*	324.67**			87	713	15
I-96	15	APR 68	1159	HLC	322.42*				87	713	15

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)			OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
					INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD	ANAL. R
I-96	15 APR 68	1159	HLC	322.73*	322.57**	322.16***	325,44***	87	713 15	
I-206	1 MAY 68	1155	HLC	320.55*				88	713 15	
I-206	1 MAY 68	1155	HLC	320.55*	320.55**			88	713 15	
I-86	1 MAY 68	1157	HLC	323.04*				88	713 15	
I-86	1 MAY 68	1157	HLC	323.04*	323.04**			88	713 15	
I-210	1 MAY 68	1159	HLC	321.79*				88	713 15	
I-210	1 MAY 68	1159	HLC	321.49*	321.64**	321.74***	325,01***	88	713 15	
I-205	15 MAY 68	1150	HLC	318.38				89	714 15	
I-205	15 MAY 68	1150	HLC	318.38	318.38			89	714 15	
I-207	15 MAY 68	1152	HLC	319.93*				89	714 15	
I-207	15 MAY 68	1152	HLC	318.38	318.38			89	714 15	
I-209	15 MAY 68	1154	HLC	318.38				89	714 15	
I-209	15 MAY 68	1154	HLC	318.07	318.22	318.32	321,48	89	714 15	
I-74	1 JUN 68	0552	HLC	324.01*				90	719 15	
I-74	1 JUN 68	0552	HLC	324.01*	324.01**			90	719 15	
I-76	1 JUN 68	0554	HLC	435.34*	435.34**	351.12***	370,55***	90	719 15	
I-73	15 JUN 68	1150	HLC	318.57				91	719 15	
I-73	15 JUN 68	1150	HLC	318.25	318.41			91	719 15	
I-75	15 JUN 68	1154	HLC	318.25				91	719 15	
I-75	15 JUN 68	1154	HLC	318.25	318.25			91	719 15	
I-77	15 JUN 68	1158	HLC	318.41				91	719 15	
I-77	15 JUN 68	1158	HLC	318.09	318.29	318.30	321,46	91	719 15	
I-80	-0 JUL 68		HLC	324.01*					719 15	
I-80	-0 JUL 68		HLC	323.71*	323.86**				719 15	
I-82	-0 JUL 68		HLC	323.55*					719 15	
I-82	-0 JUL 68		HLC	323.39*	323.47**				719 15	
I-84	-0 JUL 68		HLC	318.57					720 15	
I-84	-0 JUL 68		HLC	318.41	318.49				720 15	
I-79	-0 JUL 68		HLC	318.41					720 15	
I-79	-0 JUL 68		HLC	318.41	318.41				720 15	

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R
I-81	-0	JUL 68	HLC	322.15*				720	15
I-81	-0	JUL 68	HLC	322.31*	322.23**			720	15
I-83	-0	JUL 68	HLC	318.41				720	15
I-83	-0	JUL 68	HLC	318.09	318.25	318.38	321.55	720	15
I-50	1	AUG 68 0550	HLC	339.17*				94	721 15
I-50	1	AUG 68 0550	HLC	338.70*	338.93**			94	721 15
I-52	1	AUG 68 0554	HLC	339.95*				94	721 15
I-52	1	AUG 68 0554	HLC	339.64*	339.79**			94	721 15
I-54	1	AUG 68 0558	HLC	339.32*				94	721 15
I-54	1	AUG 68 0558	HLC	339.17*	339.25**	339.32***	343.48***	94	721 15
I-49	15	AUG 68 0550	HLC	340.57*				95	721 15
I-49	15	AUG 68 0550	HLC	339.95*	340.26**			95	721 15
I-88	15	AUG 68 0553	HLC	318.72				95	721 15
I-88	15	AUG 68 0553	HLC	318.72	318.72			95	721 15
I-53	15	AUG 68 0557	HLC	392.39*	392.39**	318.72	321.90	95	721 15
I-116	1	SEP 68 0550	HLC	318.41				96	722 15
I-116	1	SEP 68 0550	HLC	318.41	318.41			96	722 15
I-118	1	SEP 68 0554	HLC	318.41				96	722 15
I-118	1	SEP 68 0554	HLC	318.10	318.25			96	722 15
I-120	1	SEP 68 0558	HLC	379.74*	379.74**	318.33	321.50	96	722 15
I-115	15	SEP 68 0549	HLC	323.61*				97	723 15
I-115	15	SEP 68 0549	HLC	323.31*	323.46**			97	723 15
I-117	15	SEP 68 0552	HLC	323.77*				97	723 15
I-117	15	SEP 68 0552	HLC	323.77*	323.77**			97	723 15
I-119	15	SEP 68 0554	HLC	318.20				97	723 15
I-119	15	SEP 68 0554	HLC	318.20	318.20	318.20	321.36	97	723 15
I-56	1	OCT 68 0552	HLC	322.54*				98	723 15
I-56	1	OCT 68 0552	HLC	322.38*	322.46**			98	723 15
I-57	1	OCT 68 0554	HLC	318.36				98	723 15
I-57	1	OCT 68 0554	HLC	318.36	318.36	318.36	321.52	98	723 15

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R
I-58	15	OCT 68 1150	HLC	323.93*				99	724 15
I-58	15	OCT 68 1150	HLC	324.23*	324.08**			99	724 15
I-59	15	OCT 68 1153	HLC	319.91*				99	724 15
I-59	15	OCT 68 1153	HLC	319.59	319.59			99	724 15
I-60	15	OCT 68 1156	HLC	318.04				99	724 15
I-60	15	OCT 68 1156	HLC	318.20	318.12	318.61	321.78	99	724 15
I-151	20	NOV 68 0001	JRK	349.68*				100	715 15
I-151	20	NOV 68 0001	JRK	349.37*	349.52**			100	715 15
I-152	20	NOV 68 0002	JRK	344.72*				100	715 15
I-152	20	NOV 68 0002	JRK	344.88*	344.80**			100	715 15
I-153	20	NOV 68 0003	JRK	319.92*				100	715 15
I-153	20	NOV 68 0003	JRK	319.76	319.76	319.76	322.96	100	715 15
I-154	4	DEC 68 1224	JRK	321.47*				101	715 15
I-154	4	DEC 68 1224	JRK	321.47*	321.47**			101	715 15
I-155	4	DEC 68 1225	JRK	322.71*				101	715 15
I-155	4	DEC 68 1225	JRK	322.55*	322.63**			101	715 15
I-156	4	DEC 68 1226	JRK	319.76				101	715 15
I-156	4	DEC 68 1226	JRK	319.76	319.76	319.76	322.96	101	715 15
I-193	12	DEC 68 1858	JRK	319.46				102	715 15
I-193	12	DEC 68 1858	JRK	319.30	319.38			102	715 15
I-194	12	DEC 68 1859	JRK	319.30				102	716 15
I-194	12	DEC 68 1859	JRK	319.61	319.46			102	716 15
I-195	12	DEC 68 1900	JRK	319.14				102	716 15
I-195	12	DEC 68 1900	JRK	319.14	319.14	319.32	322.51	102	716 15
I-196	18	DEC 68 0030	JRK	319.94*				103	717 15
I-196	18	DEC 68 0030	JRK	319.94*	319.94**			103	717 15
I-197	18	DEC 68 0031	JRK	319.63				103	717 15
I-197	18	DEC 68 0031	JRK	319.63	319.63			103	717 15
I-198	18	DEC 68 0032	JRK	319.63				103	717 15
I-198	18	DEC 68 0032	JRK	319.94*	319.63	319.63	322.82	103	717 15

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD	ANAL. R
I-199	25 DEC 68	2140	JRK	319.16				104	717 15
I-199	25 DEC 68	2140	JRK	319.16	319.16			104	717 15
I-200	25 DEC 68	2141	JRK	319.16				104	717 15
I-200	25 DEC 68	2141	JRK	319.32	319.24			104	717 15
I-201	25 DEC 68	2142	JRK	319.63				104	718 15
I-201	25 DEC 68	2142	JRK	319.32	319.47	319.29	322.48	104	718 15
I-202	31 DEC 68	0909	JRK	319.63				105	718 15
I-202	31 DEC 68	0909	JRK	319.48	319.55			105	718 15
I-203	31 DEC 68	0910	JRK	321.19*				105	718 15
I-203	31 DEC 68	0910	JRK	321.19*	321.19**			105	718 15
I-204	31 DEC 68	0911	JRK	320.56*				105	718 15
I-204	31 DEC 68	0911	JRK	321.19*	320.87**	319.55	322.75	105	718 15
I-25	8 JAN 69	0025	JRK	319.44				106	729 15
I-25	8 JAN 69	0025	JRK	319.30	319.37			106	729 15
I-26	8 JAN 69	0025	JRK	319.30				106	729 15
I-26	8 JAN 69	0025	JRK	318.83	319.07			106	729 15
I-27	8 JAN 69	0026	JRK	319.44				106	729 15
I-27	8 JAN 69	0026	JRK	319.44	319.44	319.29	322.49	106	729 15
I-28	13 JAN 69	1101	JRK	319.30				107	729 15
I-28	13 JAN 69	1101	JRK	319.30	319.30			107	729 15
I-29	13 JAN 69	1101	JRK	335.82*	335.82**	319.30	322.49	107	729 15
I-109	20 JAN 69	1102	JRK	319.44				108	729 15
I-109	20 JAN 69	1102	JRK	319.30	319.37			108	730 15
I-110	20 JAN 69	1103	JRK	320.05*				108	730 15
I-110	20 JAN 69	1103	JRK	319.75*	319.90**			108	730 15
I-111	20 JAN 69	1105	JRK	319.14				108	730 15
I-111	20 JAN 69	1105	JRK	319.14	319.14	319.25	322.45	108	730 15
I-87	30 JAN 69	0801	JRK	319.44				109	730 15
I-87	30 JAN 69	0801	JRK	319.30	319.37			109	730 15
I-112	30 JAN 69	0802	JRK	319.14				109	730 15

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
	DATE	TIME		INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL. R
I-112	30 JAN 69	0802	JRK	319.14	319.14			109	730 15
I-113	30 JAN 69	0803	JRK	318.83				109	730 15
I-113	30 JAN 69	0803	JRK	318.99	318.91	319.14	322,33	109	730 15
I-61	10 FEB 69	1026	JRK	320.55*				110	821 18
I-61	10 FEB 69	1026	JRK	320.55*	320.55**			110	821 18
I-62	10 FEB 69	1026	JRK	320.06*				110	821 18
I-62	10 FEB 69	1026	JRK	320.16*	320.11**	320.33***	323,64***	110	821 18
I-66	24 FEB 69	1233	JRK	319.11	319.11	319.11	322,38	111	821 18
I-19	10 MAR 69	0030	JRK	318.26				112	814 18
I-19	10 MAR 69	0030	JRK	318.14	318.20			112	814 18
I-20	10 MAR 69	0032	JRK	318.14				112	814 18
I-20	10 MAR 69	0032	JRK	318.26	318.20			112	814 18
I-21	10 MAR 69	0034	JRK	318.44	318.44	318.25	321,50	112	815 18
I-22	24 MAR 69	0101	JRK	322.50*				113	815 18
I-22	24 MAR 69	0101	JRK	321.92*	322,21**			113	815 18
I-23	24 MAR 69	0102	JRK	322.71*				113	815 18
I-23	24 MAR 69	0102	JRK	322.71*	322.71**			113	815 18
I-24	24 MAR 69	0104	JRK	319.74*				113	815 18
I-24	24 MAR 69	0104	JRK	319.43*	319.58**	321.50***	324,84***	113	815 18
I-13	7 APR 69	0045	JRK	318.08				114	818 18
I-13	7 APR 69	0045	JRK	318.16	318.12			114	818 18
I-14	7 APR 69	0046	JRK	318.26				114	818 18
I-14	7 APR 69	0046	JRK	318.54	318.40			114	818 18
I-15	7 APR 69	0047	JRK	318.64				114	818 18
I-15	7 APR 69	0047	JRK	318.74	318.69	318.40	321,65	114	818 18
I-16	21 APR 69	0759	JRK	318.94				115	818 18
I-16	21 APR 69	0759	JRK	319.04	318.99			115	818 18
I-17	21 APR 69	0800	JRK	321.77*	321.77**			115	818 18
I-18	21 APR 69	0801	JRK	324.61*	324.61**	318.99	322,26	115	818 18
I-7	5 MAY 69	0100	JRK	318.83				116	816 18

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R
I-7	5 MAY 69	0100	JRK	318.74	318.79			116	816	18
I-8	5 MAY 69	0101	JRK	319.83*				116	816	18
I-8	5 MAY 69	0101	JRK	319.93*	319.88**			116	816	18
I-9	5 MAY 69	0103	JRK	319.83*				116	816	18
I-9	5 MAY 69	0103	JRK	319.83*	319.83**	318.79	322.05	116	816	18
I-10	19 MAY 69	0144	JRK	318.64				117	816	18
I-10	19 MAY 69	0144	JRK	318.83	318.74			117	816	18
I-11	19 MAY 69	0145	JRK	318.44				117	816	18
I-11	19 MAY 69	0145	JRK	318.54	318.49			117	816	18
I-12	19 MAY 69	0146	JRK	318.64				117	817	18
I-12	19 MAY 69	0146	JRK	318.64	318.64	318.62	321.88	117	817	18
I-140	2 JUN 69	0036	JRK	368.43*	368.43**			118	824	18
I-141	2 JUN 69	0038	JRK	331.69*				118	824	18
I-141	2 JUN 69	0038	JRK	331.88*	331.79**	344.00***	348.93***	118	824	18
I-143	16 JUN 69	1150	JRK	318.64				119	824	18
I-143	16 JUN 69	1150	JRK	318.83	318.74			119	824	18
I-144	16 JUN 69	1151	JRK	318.74				119	824	18
I-144	16 JUN 69	1151	JRK	318.74	318.74	318.74	322.00	119	824	18
I-127	30 JUN 69	1036	JRK	319.03				120	822	18
I-127	30 JUN 69	1036	JRK	319.03	319.03			120	822	18
I-128	30 JUN 69	1037	JRK	318.83				120	822	18
I-128	30 JUN 69	1037	JRK	318.93	318.88			120	822	18
I-129	30 JUN 69	1038	JRK	319.03				120	822	18
I-129	30 JUN 69	1038	JRK	319.14	319.08	319.00	322.26	120	822	18
I-130	14 JUL 69	0010	JRK	319.33				121	822	18
I-130	14 JUL 69	0010	JRK	319.33	319.33			121	822	18
I-131	14 JUL 69	0012	JRK	319.33				121	822	18
I-131	14 JUL 69	0012	JRK	319.24	319.28			121	822	18
I-132	14 JUL 69	0014	JRK	337.02*	337.02**	319.31	322.58	121	823	18
I-1	28 JUL 69	1900	JRK	319.43				122	816	18

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING			OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
	DATE	AND TIME	(LOCAL)		INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.
I-1	28 JUL 69	1900		JRK	319.33	319.33			122	816 18
I-2	28 JUL 69	1901		JRK	319.33				122	816 18
I-2	28 JUL 69	1901		JRK	319.33	319.33			122	816 18
I-3	28 JUL 69	1902		JRK	319.33				122	816 18
I-3	28 JUL 69	1902		JRK	319.33	319.33	319.35	322.62	122	816 18
I-4	11 AUG 69	1100		JRK	319.64				123	816 18
I-4	11 AUG 69	1100		JRK	319.64	319.64			123	816 18
I-5	11 AUG 69	1101		JRK	319.43				123	816 18
I-5	11 AUG 69	1101		JRK	319.54	319.49			123	816 18
I-6	11 AUG 69	1102		JRK	319.43				123	816 18
I-6	11 AUG 69	1102		JRK	319.54	319.49	319.54	322.82	123	816 18
I-43	25 AUG 69	1621		JRK	320.45*				124	820 18
I-43	25 AUG 69	1621		JRK	320.36*	320.41**			124	820 18
I-45	25 AUG 69	1624		JRK	319.78				124	820 18
I-45	25 AUG 69	1624		JRK	319.78	319.78	319.78	323.07	124	820 18
I-46	8 SEP 69	0700		JRK	319.98				125	820 18
I-46	8 SEP 69	0700		JRK	319.98	319.98			125	820 18
I-47	8 SEP 69	0701		JRK	319.88				125	820 18
I-47	8 SEP 69	0701		JRK	319.98	319.93			125	820 18
I-48	8 SEP 69	0702		JRK	319.88				125	820 18
I-48	8 SEP 69	0702		JRK	320.06	319.97	319.96	323.25	125	820 18
I-121	23 SEP 69	1200		JRK	320.42				126	822 18
I-121	23 SEP 69	1200		JRK	320.52	320.47			126	822 18
I-122	23 SEP 69	1201		JRK	320.13				126	822 18
I-122	23 SEP 69	1201		JRK	320.13	320.13			126	822 18
I-123	23 SEP 69	1203		JRK	321.90*				126	822 18
I-123	23 SEP 69	1203		JRK	321.81*	321.86**	320.30	323.60	126	822 18
I-124	6 OCT 69	2317		JRK	320.42				127	822 18
I-124	6 OCT 69	2317		JRK	320.42	320.42			127	822 18
I-125	6 OCT 69	2318		JRK	319.82				127	822 18

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD	ANAL. R
I-125	6 OCT 69	2318	JRK	319.82	319.82		127	822 18	
I-126	6 OCT 69	2319	JRK	320.03			127	822 18	
I-126	6 OCT 69	2319	JRK	319.92	319.97	320.07	323,37	127 822 18	
I-67	4 NOV 69	1115	DW	321.02*			128	821 18	
I-67	4 NOV 69	1115	DW	320.92*	320.97**		128	821 18	
I-68	4 NOV 69	1118	DW	319.92			128	821 18	
I-68	4 NOV 69	1118	DW	319.92	319.92		128	821 18	
I-69	4 NOV 69	1121	DW	320.03			128	821 18	
I-69	4 NOV 69	1121	DW	319.82	319.92	319.92	323,21	128 821 18	
I-70	15 NOV 69	1018	DW	320.42			129	821 18	
I-70	15 NOV 69	1018	DW	320.22	320.32		129	821 18	
I-71	15 NOV 69	1021	DW	319.62			129	821 18	
I-71	15 NOV 69	1021	DW	319.92	319.87		129	821 18	
I-72	15 NOV 69	1024	DW	320.03			129	821 18	
I-72	15 NOV 69	1024	DW	320.13	320.08	320.09	323,39	129 821 18	
I-37	1 DEC 69	1055	DW	321.87*			130	819 18	
I-37	1 DEC 69	1055	DW	321.47*	321.67**		130	819 18	
I-38	1 DEC 69	1058	DW	321.37*			130	819 18	
I-38	1 DEC 69	1058	DW	321.58*	321.47**		130	819 18	
I-39	1 DEC 69	1100	DW	321.67*			130	819 18	
I-39	1 DEC 69	1100	DW	321.47*	321.57**	321.57***	324,91***	130 819 18	
I-40	15 DEC 69	1342	DW	321.37*			131	819 18	
I-40	15 DEC 69	1342	DW	321.47*	321.42**		131	819 18	
I-41	15 DEC 69	1345	DW	321.60*			131	820 18	
I-41	15 DEC 69	1345	DW	321.50*	321.55**		131	820 18	
I-42	15 DEC 69	1348	DW	321.31*	321.31**	321.45***	324,79***	131 820 18	
I-163	2 JAN 70	0735	DW	320.20			132	824 18	
I-163	2 JAN 70	0735	DW	320.20	320.20		132	824 18	
I-164	2 JAN 70	0737	DW	320.59			132	824 18	
I-164	2 JAN 70	0737	DW	320.59	320.59		132	824 18	

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
I-165	2 JAN	/0 0739	DW	320.20				132	824 18
I-165	2 JAN	/0 0739	DW	320.20	320.20	320.33	323.63	132	824 18
I-166	15 JAN	/0 1625	DW	320.20				133	824 18
I-166	15 JAN	/0 1625	DW	320.10	320.15			133	824 18
I-167	15 JAN	/0 1627	DW	320.39				133	825 18
I-167	15 JAN	/0 1627	DW	320.39	320.39			133	825 18
I-168	15 JAN	/0 1629	DW	320.20				133	825 18
I-168	15 JAN	/0 1629	DW	320.20	320.20	320.25	323.55	133	825 18
I-211	1 FEB	/0 2018	DW	320.37				134	791 18
I-211	1 FEB	/0 2018	DW	320.37	320.37			134	791 18
I-212	1 FEB	/0 2021	DW	320.69*				134	791 18
I-212	1 FEB	/0 2021	DW	320.21	320.21			134	791 18
I-213	1 FEB	/0 2024	DW	320.21				134	791 18
I-213	1 FEB	/0 2024	DW	320.37	320.29	320.31	323.64	134	791 18
I-214	15 FEB	/0 1646	DW	320.53				135	791 18
I-214	15 FEB	/0 1646	DW	320.21	320.37			135	791 18
I-215	15 FEB	/0 1648	DW	320.37				135	791 18
I-215	15 FEB	/0 1648	DW	320.37	320.37			135	791 18
I-216	15 FEB	/0 1650	DW	320.21				135	791 18
I-216	15 FEB	/0 1650	DW	320.06	320.14	320.29	323.63	135	791 18
I-25	3 MAR	/0 1825	DW	320.34				136	805 18
I-25	3 MAR	/0 1825	DW	320.34	320.34			136	805 18
I-26	3 MAR	/0 1828	DW	320.34				136	805 18
I-26	3 MAR	/0 1828	DW	320.34	320.34			136	805 18
I-27	3 MAR	/0 1831	DW	320.04				136	805 18
I-27	3 MAR	/0 1831	DW	320.04	320.04	320.24	323.59	136	805 18
I-28	17 MAR	/0 1410	DW	320.34				137	805 18
I-28	17 MAR	/0 1410	DW	320.34	320.34			137	805 18
I-29	17 MAR	/0 1412	DW	320.20				137	805 18
I-29	17 MAR	/0 1412	DW	320.20	320.20			137	805 18

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R	
I-30	17 MAR	70 1414	DW	320.04				137	806	18
I-30	17 MAR	70 1414	DW	320.04	320.04	320.19	323.54	137	806	18
I-31	28 MAR	70 1650	DW	320.20				138	806	18
I-31	28 MAR	70 1650	DW	320.20	320.20			138	806	18
I-32	28 MAR	70 1655	DW	320.04				138	806	18
I-32	28 MAR	70 1655	DW	320.04	320.04			138	806	18
I-33	28 MAR	70 1700	DW	320.04				138	806	18
I-33	28 MAR	70 1700	DW	320.04	320.04	320.09	323.43	138	806	18
I-34	16 APR	70 1330	DW	320.52				139	806	18
I-34	16 APR	70 1330	DW	320.52	320.52			139	806	18
I-35	16 APR	70 1333	DW	320.52				139	806	18
I-35	16 APR	70 1333	DW	320.20	320.36			139	806	18
I-36	16 APR	70 1335	DW	320.36				139	806	18
I-36	16 APR	70 1335	DW	320.36	320.36	320.41	323.76	139	806	18
I-49	2 MAY	70 1615	DW	320.50				140	808	18
I-49	2 MAY	70 1615	DW	320.34	320.42			140	808	18
I-50	2 MAY	70 1618	DW	320.34				140	808	18
I-50	2 MAY	70 1618	DW	320.50	320.42			140	808	18
I-51	2 MAY	70 1621	DW	320.66*				140	808	18
I-51	2 MAY	70 1621	DW	320.50	320.50	320.44	323.79	140	808	18
I-52	16 MAY	70 1330	DW	320.50				141	808	18
I-52	16 MAY	70 1330	DW	320.50	320.50			141	808	18
I-53	16 MAY	70 1335	DW	320.34				141	808	18
I-53	16 MAY	70 1335	DW	320.34	320.34	320.42	323.78	141	808	18
I-55	2 JUN	70 1510	DW	321.27*				142	809	18
I-55	2 JUN	70 1510	DW	320.81	320.81			142	809	18
I-56	2 JUN	70 1513	DW	320.97*				142	809	18
I-56	2 JUN	70 1513	DW	320.65	320.65			142	809	18
I-57	2 JUN	70 1516	DW	320.81				142	809	18
I-57	2 JUN	70 1516	DW	320.65	320.73	320.73	324.09	142	809	18

TABLE 1.

ADJUSTED INDICES AND 1974 MAND CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OPSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R
I-58	17 JUN	/0 1600	DW	320.97				143	809 18
I-58	17 JUN	/0 1600	DW	320.97	320.97			143	809 18
I-59	17 JUN	/0 1603	DW	320.97				143	809 18
I-59	17 JUN	/0 1603	DW	320.97	320.97			143	809 18
I-60	17 JUN	/0 1606	DW	320.97				143	809 18
I-60	17 JUN	/0 1606	DW	320.65	320.81	320.91	324.28	143	809 18
I-97	2 JUL	/0 1549	DW	321.12				144	810 18
I-97	2 JUL	/0 1549	DW	321.12	321.12			144	810 18
I-98	2 JUL	/0 1551	DW	320.97				144	810 18
I-98	2 JUL	/0 1551	DW	320.97	320.97			144	810 18
I-99	2 JUL	/0 1553	DW	321.28*				144	810 18
I-99	2 JUL	/0 1553	DW	320.97	320.97	321.03	324.40	144	810 18
I-100	15 JUL	/0 1425	DW	321.12				145	810 18
I-100	15 JUL	/0 1425	DW	320.97	321.05			145	810 18
I-101	15 JUL	/0 1426	DW	321.12				145	810 18
I-101	15 JUL	/0 1426	DW	320.97	321.05			145	810 18
I-102	15 JUL	/0 1427	DW	321.28				145	811 18
I-102	15 JUL	/0 1427	DW	321.12	321.20	321.10	324.47	145	811 18
I-103	4 AUG	/0 1500	DW	320.95				146	811 18
I-103	4 AUG	/0 1500	DW	320.95	320.95			146	811 18
I-104	4 AUG	/0 1501	DW	321.27				146	811 18
I-104	4 AUG	/0 1501	DW	321.27	321.27			146	811 18
I-105	4 AUG	/0 1502	DW	321.43				146	811 18
I-105	4 AUG	/0 1502	DW	321.27	321.35	321.19	324.57	146	811 18
I-106	17 AUG	/0 1635	DW	321.59				147	811 18
I-106	17 AUG	/0 1635	DW	321.43	321.51			147	811 18
I-107	17 AUG	/0 1640	DW	321.43				147	811 18
I-107	17 AUG	/0 1640	DW	321.59	321.51			147	811 18
I-108	17 AUG	/0 1645	DW	321.59				147	811 18
I-108	17 AUG	/0 1645	DW	321.59	321.59	321.54	324.92	147	811 18

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO, FIELD ANAL.	R
I-109	3 SEP	/0 1405	DW	321.90				148	812 18
I-109	3 SEP	/0 1405	DW	321.90	321.90			148	812 18
I-110	3 SEP	/0 1407	DW	321.60				148	812 18
I-110	3 SEP	/0 1407	DW	321.76	321.68			148	812 18
I-111	3 SEP	/0 1410	DW	321.76				148	812 18
I-111	3 SEP	/0 1410	DW	321.76	321.76	321.78	325,17	148	812 18
I-112	16 SEP	/0 1648	DW	322.54*				149	812 18
I-112	16 SEP	/0 1648	DW	322.38*	322.46**			149	812 18
I-113	16 SEP	/0 1649	DW	322.22*				149	812 18
I-113	16 SEP	/0 1649	DW	322.54*	322.38**			149	812 18
I-114	16 SEP	/0 1650	DW	322.22*				149	813 18
I-114	16 SEP	/0 1650	DW	322.06	322.06	322.06	325,47	149	813 18
I-115	1 OCT	/0 2058	DW	321.90				150	813 18
I-115	1 OCT	/0 2058	DW	321.90	321.90			150	813 18
I-116	1 OCT	/0 2100	DW	321.90				150	813 18
I-116	1 OCT	/0 2100	DW	321.90	321.90			150	813 18
I-117	1 OCT	/0 2102	DW	321.75				150	813 18
I-117	1 OCT	/0 2102	DW	321.90	321.83	321.88	325,28	150	813 18
I-118	18 OCT	/0 2110	DW	321.90				151	813 18
I-118	18 OCT	/0 2110	DW	321.90	321.90			151	813 18
I-119	18 OCT	/0 2115	DW	322.84*				151	813 18
I-119	18 OCT	/0 2115	DW	323.00*	322.92**			151	813 18
I-120	18 OCT	/0 2120	DW	321.75				151	813 18
I-120	18 OCT	/0 2120	DW	321.75	321.75	321.83	325,22	151	813 18
I-193	4 NOV	/0 1615	DW	322.01				152	838 18
I-193	4 NOV	/0 1615	DW	322.01	322.01			152	838 18
I-194	4 NOV	/0 1617	DW	322.01				152	838 18
I-194	4 NOV	/0 1617	DW	322.01	322.01			152	838 18
I-195	4 NOV	/0 1619	DW	321.33				152	838 18
I-195	4 NOV	/0 1619	DW	321.67	321.50	321.84	325,26	152	838 18

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.
I-196	15 NOV	/0 1425	CG	321.69				153	839 18
I-196	15 NOV	/0 1425	CG	321.86	321.77			153	839 18
I-197	15 NOV	/0 1427	CG	322.03				153	839 18
I-197	15 NOV	/0 1427	CG	322.03	322.03			153	839 18
I-198	15 NOV	/0 1429	CG	326.45*				153	839 18
I-198	15 NOV	/0 1429	CG	326.45*	326.45**	321.90	325.31	153	839 18
I-199	1 DEC	/0 0925	CG	323.89*				154	839 18
I-199	1 DEC	/0 0925	CG	323.72*	323.81**			154	839 18
I-200	1 DEC	/0 0927	CG	322.70*				154	839 18
I-200	1 DEC	/0 0927	CG	322.37	322.37			154	839 18
I-201	1 DEC	/0 0930	CG	324.40*				154	839 18
I-201	1 DEC	/0 0930	CG	324.40*	324.40**	322.37	325.80	154	839 18
I-202	15 DEC	/0 1410	CG	325.43*				155	839 18
I-202	15 DEC	/0 1410	CG	325.43*	325.43**			155	839 18
I-203	15 DEC	/0 1412	CG	322.03				155	839 18
I-203	15 DEC	/0 1412	CG	322.03	322.03			155	839 18
I-204	15 DEC	/0 1414	CG	324.40*				155	839 18
I-204	15 DEC	/0 1414	CG	324.06*	324.23**	322.03	325.44	155	839 18
I-133	1 JAN	/1 0840	CG	321.81				156	840 18
I-133	1 JAN	/1 0840	CG	321.65	321.73			156	840 18
I-134	1 JAN	/1 0842	CG	321.65				156	840 18
I-134	1 JAN	/1 0842	CG	321.65	321.65			156	840 18
I-135	1 JAN	/1 0844	CG	321.65				156	840 18
I-135	1 JAN	/1 0844	CG	321.65	321.65	321.68	325.08	156	840 18
I-136	15 JAN	/1 1515	CG	321.32				157	841 18
I-136	15 JAN	/1 1515	CG	321.32	321.32			157	841 18
I-137	15 JAN	/1 1517	CG	321.49				157	841 18
I-137	15 JAN	/1 1517	CG	321.49	321.49			157	841 18
I-138	15 JAN	/1 1519	CG	321.32				157	841 18
I-138	15 JAN	/1 1519	CG	322.00	321.66	321.49	324.89	157	841 18

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
I-205	1 FEB	/1 1435	CG	323.05*				158	859 20
I-205	1 FEB	/1 1435	CG	322.79*	322.92**			158	859 20
I-206	1 FEB	/1 1437	CG	322.70*				158	859 20
I-206	1 FEB	/1 1437	CG	322.70*	322.70**			158	859 20
I-207	1 FEB	/1 1439	CG	321.73				158	859 20
I-207	1 FEB	/1 1439	CG	321.65	321.69	321.69	325.14	158	859 20
I-208	15 FEB	/1 1425	CG	321.30				159	859 20
I-208	15 FEB	/1 1425	CG	321.30	321.30			159	859 20
I-209	15 FEB	/1 1427	CG	321.39				159	859 20
I-209	15 FEB	/1 1427	CG	321.12	321.26			159	859 20
I-210	15 FEB	/1 1429	CG	321.39				159	859 20
I-210	15 FEB	/1 1429	CG	321.30	321.34	321.30	324.74	159	859 20
I-43	1 MAR	/1 1444	CG	321.03				160	860 20
I-43	1 MAR	/1 1444	CG	321.12	321.08			160	860 20
I-44	1 MAR	/1 1446	CG	320.94				160	860 20
I-44	1 MAR	/1 1446	CG	320.94	320.94			160	860 20
I-45	1 MAR	/1 1448	CG	321.12				160	860 20
I-45	1 MAR	/1 1448	CG	321.12	321.12	321.05	324.48	160	860 20
I-46	15 MAR	/1 1410	CG	330.57*				161	860 20
I-46	15 MAR	/1 1410	CG	330.57*	330.57**			161	860 20
I-47	15 MAR	/1 1412	CG	321.12				161	860 20
I-47	15 MAR	/1 1412	CG	321.12	321.12			161	860 20
I-48	15 MAR	/1 1414	CG	321.65*				161	860 20
I-48	15 MAR	/1 1414	CG	321.65*	321.65**	321.12	324.56	161	860 20
I-61	1 APR	/1 1430	CG	321.14				162	861 20
I-61	1 APR	/1 1430	CG	321.05	321.09			162	861 20
I-62	1 APR	/1 1433	CG	321.14				162	861 20
I-62	1 APR	/1 1433	CG	321.05	321.09			162	861 20
I-63	1 APR	/1 1436	CG	321.14				162	861 20
I-63	1 APR	/1 1436	CG	321.14	321.14	321.11	324.54	162	861 20

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
I-64	15 APR	/1 1245	CG	321.14				163	861 20
I-64	15 APR	/1 1245	CG	321.23	321.19			163	861 20
I-65	15 APR	/1 1247	CG	325.62*				163	861 20
I-65	15 APR	/1 1247	CG	325.54*	325.58**			163	861 20
I-66	15 APR	/1 1249	CG	321.05				163	861 20
I-66	15 APR	/1 1249	CG	321.32	321.19	321.19	324.62	163	861 20
I-7	1 MAY	/1 1425	CG	338.43*				164	862 20
I-7	1 MAY	/1 1425	CG	338.34*	338.39**			164	862 20
I-8	1 MAY	/1 1427	CG	321.49				164	862 20
I-8	1 MAY	/1 1427	CG	321.39	321.44			164	862 20
I-9	1 MAY	/1 1429	CG	333.77*				164	862 20
I-9	1 MAY	/1 1429	CG	333.96*	333.87**	321.44	324.89	164	862 20
I-10	15 MAY	/1 1440	CG	321.49				165	862 20
I-10	15 MAY	/1 1440	CG	321.31	321.40			165	862 20
I-11	15 MAY	/1 1442	CG	321.31				165	862 20
I-11	15 MAY	/1 1442	CG	321.31	321.31			165	862 20
I-12	15 MAY	/1 1444	CG	333.77*				165	862 20
I-12	15 MAY	/1 1444	CG	333.69*	333.73**	321.35	324.79	165	862 20
I-121	1 JUN	/1 1404	CG	321.58				166	863 20
I-121	1 JUN	/1 1404	CG	321.49	321.53			166	863 20
I-123	1 JUN	/1 1408	CG	321.41				166	863 20
I-123	1 JUN	/1 1408	CG	321.41	321.41	321.47	324.91	166	863 20
I-124	15 JUN	/1 1350	CG	321.93				167	863 20
I-124	15 JUN	/1 1350	CG	321.76	321.84			167	863 20
I-125	15 JUN	/1 1352	CG	321.58				167	863 20
I-125	15 JUN	/1 1352	CG	321.49	321.53			167	863 20
I-126	15 JUN	/1 1354	CG	321.49				167	863 20
I-126	15 JUN	/1 1354	CG	321.49	321.49	321.62	325.07	167	863 20
I-38	1 JUL	/1 1411	CG	335.32*				168	864 20
I-38	1 JUL	/1 1411	CG	335.24*	335.29**			168	864 20

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R
I-39	1 JUL	/1 1413	CG	326.12*				168	864 20
I-39	1 JUL	/1 1413	CG	326.39*	326.26**	330.77***	334.62***	168	864 20
I-40	15 JUL	/1 1433	CG	321.92				169	864 20
I-40	15 JUL	/1 1433	CG	322.00	321.96			169	864 20
I-41	15 JUL	/1 1435	CG	321.75				169	864 20
I-41	15 JUL	/1 1435	CG	321.65	321.70			169	864 20
I-42	15 JUL	/1 1437	CG	342.69*				169	864 20
I-42	15 JUL	/1 1437	CG	342.60*	342.65**	321.83	325.29	169	864 20
I-140	1 AUG	/1 1304	CG	324.65*				170	865 20
I-140	1 AUG	/1 1304	CG	324.56*	324.60**			170	865 20
I-141	1 AUG	/1 1306	CG	321.75				170	865 20
I-141	1 AUG	/1 1306	CG	321.66	321.70			170	865 20
I-142	1 AUG	/1 1308	CG	322.18				170	865 20
I-142	1 AUG	/1 1308	CG	322.01	322.10	321.90	325.36	170	865 20
I-143	15 AUG	/1 1330	CG	404.72*				171	865 20
I-143	15 AUG	/1 1330	CG	404.72*	404.72**			171	865 20
I-144	15 AUG	/1 1332	CG	322.37				171	865 20
I-144	15 AUG	/1 1332	CG	322.27	322.32			171	865 20
I-139	15 AUG	/1 1334	CG	383.64*				171	865 20
I-139	15 AUG	/1 1334	CG	383.64*	383.64**	322.32	325.79	171	865 20
I-1	1 SEP	/1 1405	CG	322.28				172	866 20
I-1	1 SEP	/1 1405	CG	322.20	322.24			172	866 20
I-2	1 SEP	/1 1407	CG	322.37				172	866 20
I-2	1 SEP	/1 1407	CG	322.28	322.33			172	866 20
I-3	1 SEP	/1 1409	CG	322.37				172	866 20
I-3	1 SEP	/1 1409	CG	322.37	322.37	322.31	325.78	172	866 20
I-4	15 SEP	/1 1415	CG	322.45				173	866 20
I-4	15 SEP	/1 1415	CG	322.37	322.41			173	866 20
I-5	15 SEP	/1 1417	CG	322.89*				173	866 20
I-5	15 SEP	/1 1417	CG	322.89*	322.89**			173	866 20

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
I-6	15 SEP	/1 1419	CG	322.45				173	866 20
I-6	15 SEP	/1 1419	CG	322.55	322.50	322.46	325.93	173	866 20
I-13	1 OCT	/1 1510	CG	335.04*				174	867 20
I-13	1 OCT	/1 1510	CG	335.04*	335.04**			174	867 20
I-14	1 OCT	/1 1512	CG	322.59				174	867 20
I-14	1 OCT	/1 1512	CG	322.49	322.54			174	867 20
I-15	1 OCT	/1 1514	CG	322.15				174	867 20
I-15	1 OCT	/1 1514	CG	321.98	322.06	322.30	325.77	174	867 20
I-16	15 OCT	/1 1445	CG	355.60*				175	867 20
I-16	15 OCT	/1 1445	CG	355.42*	355.51**			175	867 20
I-18	15 OCT	/1 1449	CG	322.49				175	867 20
I-18	15 OCT	/1 1449	CG	322.67	322.58	322.58	326.06	175	867 20
I-19	7 NOV	/1 1430	EAJ	353.83*	353.83**			177	870 20
I-20	7 NOV	/1 1435	EAJ	329.17*				177	870 20
I-20	7 NOV	/1 1435	EAJ	329.08*	329.12**			177	870 20
I-21	7 NOV	/1 1441	EAJ	327.52*				177	870 20
I-21	7 NOV	/1 1441	EAJ	327.34*	327.43**			177	870 20
I-22	7 NOV	/1 1447	EAJ	331.86*				178	870 20
I-22	7 NOV	/1 1447	EAJ	331.86*	331.86**			178	870 20
I-23	7 NOV	/1 1452	EAJ	327.34*				178	870 20
I-23	7 NOV	/1 1452	EAJ	327.00*	327.17**			178	870 20
I-24	7 NOV	/1 1458	EAJ	386.41*	386.41**	337.14***	341.72***	178	870 20
I-127	1 NOV	/1 1425	EAJ	340.59*	340.59**			176	871 20
I-128	1 NOV	/1 1430	EAJ	322.45				176	871 20
I-128	1 NOV	/1 1430	EAJ	322.45	322.45			176	871 20
I-129	1 NOV	/1 1436	EAJ	322.27				176	871 20
I-129	1 NOV	/1 1436	EAJ	322.54	322.40	322.43	325.91	176	871 20
I-130	15 NOV	/1 1505	EAJ	334.37*				179	871 20
I-130	15 NOV	/1 1505	EAJ	334.37*	334.37**			179	871 20
I-131	15 NOV	/1 1518	EAJ	322.79				179	871 20

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R	
I-131	15 NOV	/1 1518	EAJ	323.05	322.92		179	871	20	
I-132	15 NOV	/1 1522	EAJ	327.28*			179	871	20	
I-132	15 NOV	/1 1522	EAJ	327.46*	327.37**	322.92	326.42	179	871 20	
I-67	1 DEC	/1 1210	EAJ	324.37*				180	872 20	
I-67	1 DEC	/1 1210	EAJ	324.62*	324.49**			180	872 20	
I-68	1 DEC	/1 1218	EAJ	328.22*				180	872 20	
I-68	1 DEC	/1 1218	EAJ	328.13*	328.17**			180	872 20	
I-69	1 DEC	/1 1225	EAJ	345.85*	345.85**	330.24***	334.12***	180	872 20	
I-70	18 DEC	/1 1222	EAJ	325.22*				181	872 20	
I-70	18 DEC	/1 1222	EAJ	325.56*	325.39**			181	872 20	
I-71	18 DEC	/1 1228	EAJ	337.30*				181	872 20	
I-71	18 DEC	/1 1228	EAJ	337.21*	337.25**			181	872 20	
I-72	18 DEC	/1 1232	EAJ	356.72*	356.72**	336.40***	340.71***	181	872 20	
I-32	1 JAN	/2 1450	EAJ	322.38				182	906 21	
I-32	1 JAN	/2 1450	EAJ	322.38	322.38			182	906 21	
I-33	1 JAN	/2 1455	EAJ	324.99*				182	906 21	
I-33	1 JAN	/2 1455	EAJ	324.99*	324.99**	322.38	325.90	182	906 21	
I-34	15 JAN	/2 1820	EAJ	322.78				183	906 21	
I-34	15 JAN	/2 1820	EAJ	322.78	322.78			183	906 21	
I-35	15 JAN	/2 1825	EAJ	324.49*				183	906 21	
I-35	15 JAN	/2 1825	EAJ	324.59*	324.54**	322.78	326.32	183	906 21	
I-55	2 FEB	/2 1510	EAJ	322.18				184	906 21	
I-55	2 FEB	/2 1510	EAJ	322.18	322.18			184	906 21	
I-56	2 FEB	/2 1516	EAJ	322.68				184	906 21	
I-56	2 FEB	/2 1516	EAJ	322.49	322.59			184	906 21	
I-57	2 FEB	/2 1523	EAJ	323.20*				184	907 21	
I-57	2 FEB	/2 1523	EAJ	323.20*	323.20**	322.39	325.91	184	907 21	
I-58	15 FEB	/2 1214	EAJ	325.10*				185	907 21	
I-58	15 FEB	/2 1214	EAJ	325.21*	325.15**			185	907 21	
I-59	15 FEB	/2 1220	EAJ	324.70*				185	907 21	

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R	
I-59	15 FEB	/2 1220	EAJ	324.70*	324.70**		185	907	21	
I-60	15 FEB	/2 1232	EAJ	321.78			185	907	21	
I-60	15 FEB	/2 1232	EAJ	321.78	321.78	321.78	325,28	185	907 21	
I-50	1 MAR	/2 1219	EAJ	322.99*				186	907 21	
I-50	1 MAR	/2 1219	EAJ	323.09*	323.04**			186	907 21	
I-51	1 MAR	/2 1224	EAJ	321.78				186	907 21	
I-51	1 MAR	/2 1224	EAJ	321.69	321.73	321.73	325,23	186	907 21	
I-52	15 MAR	/2 1220	EAJ	321.69				187	907 21	
I-52	15 MAR	/2 1220	EAJ	321.58	321.63			187	907 21	
I-53	15 MAR	/2 1228	EAJ	321.69				187	907 21	
I-53	15 MAR	/2 1228	EAJ	321.58	321.63			187	907 21	
I-54	15 MAR	/2 1233	EAJ	321.58				187	907 21	
I-54	15 MAR	/2 1233	EAJ	321.69	321.63	321.63	325,13	187	907 21	
I-25	1 APR	/2 1725	EAJ	321.58				188	908 21	
I-25	1 APR	/2 1725	EAJ	321.69	321.63			188	908 21	
I-26	1 APR	/2 1731	EAJ	321.78				188	908 21	
I-26	1 APR	/2 1731	EAJ	321.78	321.78			188	908 21	
I-27	1 APR	/2 1736	EAJ	321.58				188	908 21	
I-27	1 APR	/2 1736	EAJ	321.58	321.58	321.66	325,16	188	908 21	
I-28	15 APR	/2 1510	EAJ	321.69				189	908 21	
I-28	15 APR	/2 1510	EAJ	321.78	321.73			189	908 21	
I-29	15 APR	/2 1514	EAJ	323.18*				189	908 21	
I-29	15 APR	/2 1514	EAJ	323.09*	323.14**			189	908 21	
I-30	15 APR	/2 1521	EAJ	321.78				189	908 21	
I-30	15 APR	/2 1521	EAJ	321.78	321.78	321.76	325,26	189	908 21	
I-97	1 MAY	/2 1515	EAJ	321.78				190	909 21	
I-97	1 MAY	/2 1515	EAJ	321.78	321.78			190	909 21	
I-98	1 MAY	/2 1522	EAJ	321.69				190	909 21	
I-98	1 MAY	/2 1522	EAJ	321.69	321.69			190	909 21	
I-99	1 MAY	/2 1531	EAJ	321.99				190	909 21	

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R
I-99	1 MAY	12 1531	EAJ	321.78	321.89	321.78	325.29	190	909	21
I-100	15 MAY	12 1215	EAJ	321.78				191	909	21
I-100	15 MAY	12 1215	EAJ	321.78	321.78			191	909	21
I-101	15 MAY	12 1224	EAJ	321.78				191	909	21
I-101	15 MAY	12 1224	EAJ	321.99	321.89			191	909	21
I-102	15 MAY	12 1233	EAJ	321.99				191	909	21
I-102	15 MAY	12 1233	EAJ	321.99	321.99	321.89	325.39	191	909	21
I-103	1 JUN	12 1215	EAJ	321.99				192	909	21
I-103	1 JUN	12 1215	EAJ	321.99	321.99			192	909	21
I-104	1 JUN	12 1223	EAJ	322.20				192	909	21
I-104	1 JUN	12 1223	EAJ	322.20	322.20			192	909	21
I-105	1 JUN	12 1231	EAJ	322.20				192	910	21
I-105	1 JUN	12 1231	EAJ	322.20	322.20	322.13	325.64	192	910	21
I-106	15 JUN	12 1215	EAJ	322.49				193	910	21
I-106	15 JUN	12 1215	EAJ	322.49	322.49			193	910	21
I-107	15 JUN	12 1222	EAJ	322.49				193	910	21
I-107	15 JUN	12 1222	EAJ	322.39	322.44			193	910	21
I-108	15 JUN	12 1235	EAJ	322.60				193	910	21
I-108	15 JUN	12 1235	EAJ	322.60	322.60	322.51	326.04	193	910	21
I-109	1 JUL	12 1218	EAJ	322.89				194	911	21
I-109	1 JUL	12 1218	EAJ	322.89	322.89			194	911	21
I-110	1 JUL	12 1226	EAJ	322.79				194	911	21
I-110	1 JUL	12 1226	EAJ	322.79	322.79			194	911	21
I-111	1 JUL	12 1233	EAJ	322.68				194	911	21
I-111	1 JUL	12 1233	EAJ	322.79	322.74	322.81	326.34	194	911	21
I-112	15 JUL	12 1740	EAJ	322.49				195	911	21
I-112	15 JUL	12 1740	EAJ	322.39	322.44			195	911	21
I-113	15 JUL	12 1746	EAJ	322.28				195	911	21
I-113	15 JUL	12 1746	EAJ	322.18	322.23			195	911	21
I-114	15 JUL	12 1752	EAJ	322.39				195	911	21

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R
I-114	15 JUL	/2 1752	EAJ	322.39	322.39	322.36	325,88	195	911	21
I-157	2 AUG	/2 1520	EAJ	321.59				196	912	21
I-157	2 AUG	/2 1520	EAJ	321.69	321.64			196	912	21
I-158	2 AUG	/2 1526	EAJ	321.89				196	912	21
I-158	2 AUG	/2 1526	EAJ	321.89	321.89			196	912	21
I-159	2 AUG	/2 1540	EAJ	321.89				196	912	21
I-159	2 AUG	/2 1540	EAJ	321.69	321.79	321.77	325,27	196	912	21
I-160	15 AUG	/2 1550	EAJ	323.40				197	912	21
I-160	15 AUG	/2 1550	EAJ	323.40	323.40			197	912	21
I-161	15 AUG	/2 1600	EAJ	323.40				197	912	21
I-161	15 AUG	/2 1600	EAJ	323.40	323.40			197	912	21
I-162	15 AUG	/2 1609	EAJ	323.31				197	912	21
I-162	15 AUG	/2 1609	EAJ	323.20	323.25	323.35	326,91	197	912	21
I-115	3 SEP	/2 0405	EAJ	323.00				198	912	21
I-115	3 SEP	/2 0405	EAJ	323.00	323.00			198	912	21
I-116	3 SEP	/2 0413	EAJ	323.10				198	912	21
I-116	3 SEP	/2 0413	EAJ	323.10	323.10			198	912	21
I-117	3 SEP	/2 0422	EAJ	323.00				198	913	21
I-117	3 SEP	/2 0422	EAJ	323.00	323.00	323.03	326,58	198	913	21
I-118	15 SEP	/2 1330	EAJ	323.10				199	913	21
I-118	15 SEP	/2 1330	EAJ	323.00	323.05			199	913	21
I-119	15 SEP	/2 1336	EAJ	322.89				199	913	21
I-119	15 SEP	/2 1336	EAJ	323.00	322.95			199	913	21
I-120	15 SEP	/2 1343	EAJ	323.00				199	913	21
I-120	15 SEP	/2 1343	EAJ	323.00	323.00	323.00	326,54	199	913	21
I-136	2 OCT	/2 2130	EAJ	323.39				200	914	21
I-136	2 OCT	/2 2130	EAJ	323.29	323.34			200	914	21
I-137	2 OCT	/2 2135	EAJ	323.18				200	914	21
I-137	2 OCT	/2 2135	EAJ	323.09	323.14			200	914	21
I-138	2 OCT	/2 2141	EAJ	323.29				200	914	21

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX		MANO. DAILY AVE.	DATA SHEET NO.				
				INDIV. ANAL.	FLASK AVE.		DAILY AVE.	FIELD ANAL.	R		
I-138	2	OCT /2	2141	EAJ	323.29	323.29	323.26	326.81	200	914	21
I-133	19	OCT /2	0410	EAJ	321.69				201	914	21
I-133	19	OCT /2	0410	EAJ	321.98	321.83			201	914	21
I-134	19	OCT /2	0416	EAJ	321.98				201	914	21
I-134	19	OCT /2	0416	EAJ	321.88	321.93			201	914	21
I-135	19	OCT /2	0422	EAJ	321.78				201	914	21
I-135	19	OCT /2	0422	EAJ	321.78	321.78	321.85	325.35	201	914	21
I-169	11	NOV /2	1615	BW	323.35				202	935	22
I-169	11	NOV /2	1615	BW	323.35	323.35			202	935	22
I-170	11	NOV /2	1620	BW	323.35				202	935	22
I-170	11	NOV /2	1620	BW	323.35	323.35			202	935	22
I-171	11	NOV /2	1627	BW	323.46				202	935	22
I-171	11	NOV /2	1627	BW	323.46	323.46			202	935	22
I-172	11	NOV /2	1631	BW	323.35				203	935	22
I-172	11	NOV /2	1631	BW	323.35	323.35			203	935	22
I-173	11	NOV /2	1636	BW	323.26				203	935	22
I-173	11	NOV /2	1636	BW	323.35	323.31			203	935	22
I-174	11	NOV /2	1645	BW	323.26				203	935	22
I-174	11	NOV /2	1645	BW	323.16	323.21	323.34	326.91	203	935	22
I-163	20	NOV /2	1520	BW	327.39*				204	936	22
I-163	20	NOV /2	1520	BW	327.28*	327.33**			204	936	22
I-164	20	NOV /2	1528	BW	341.15*				204	936	22
I-164	20	NOV /2	1528	BW	341.15*	341.15**			204	936	22
I-165	20	NOV /2	1535	BW	323.46				204	936	22
I-165	20	NOV /2	1535	BW	323.56	323.51			204	936	22
I-166	20	NOV /2	1545	BW	330.09*				205	936	22
I-166	20	NOV /2	1545	BW	330.00*	330.04**			205	936	22
I-167	20	NOV /2	1550	BW	335.66*				205	936	22
I-167	20	NOV /2	1550	BW	335.66*	335.66**			205	936	22
I-168	20	NOV /2	1605	BW	323.77				205	936	22

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. FIELD ANAL.	R
I-168	20 NOV	72 1605	BW	323.77	323.77	323.64	327.22	205	936 22
I-193	4 DEC	72 1445	BW	323.45				206	936 22
I-193	4 DEC	72 1445	BW	323.45	323.45			206	936 22
I-194	4 DEC	72 1450	BW	323.35				206	936 22
I-194	4 DEC	72 1450	BW	323.26	323.31			206	936 22
I-195	4 DEC	72 1458	BW	323.35				206	936 22
I-195	4 DEC	72 1458	BW	323.26	323.31	323.35	326.93	206	936 22
I-196	20 DEC	72 1620	BW	323.15				207	937 22
I-196	20 DEC	72 1620	BW	323.15	323.15			207	937 22
I-198	20 DEC	72 1705	BW	323.26				207	937 22
I-198	20 DEC	72 1705	BW	323.35	323.31	323.23	326.79	207	937 22
I-199	4 JAN	73 1620	BW	323.15				208	937 22
I-199	4 JAN	73 1620	BW	323.34	323.25			208	937 22
I-200	4 JAN	73 1625	BW	323.25				208	937 22
I-200	4 JAN	73 1625	BW	323.34	323.29			208	937 22
I-201	4 JAN	73 1637	BW	323.34				208	937 22
I-201	4 JAN	73 1637	BW	323.25	323.29	323.28	326.85	208	937 22
I-202	17 JAN	73 1523	BW	323.15				209	937 22
I-202	17 JAN	73 1523	BW	323.15	323.15			209	937 22
I-203	17 JAN	73 1527	BW	326.65*				209	937 22
I-203	17 JAN	73 1527	BW	323.55				209	937 22
I-203	17 JAN	73 1527	BW	323.55				209	937 22
I-203	17 JAN	73 1527	BW	323.55	323.55			209	937 22
I-204	17 JAN	73 1533	BW	323.34				209	937 22
I-204	17 JAN	73 1533	BW	323.15	323.25	323.35	326.92	209	937 22
I-211	1 FEB	73	BW	322.89				210	978 24
I-211	1 FEB	73	BW	323.00	322.95			210	978 24
I-212	1 FEB	73	BW	322.56				210	978 24
I-212	1 FEB	73	BW	322.45	322.51			210	978 24
I-215	1 FEB	73	BW	322.34				210	978 24

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)	OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
			INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R
I-213	1 FEB /3	BW	322.34	322.34	322.60	326.21	210	978 24
I-214	15 FEB /3	BW	322.78				211	978 24
I-214	15 FEB /3	BW	322.78	322.78			211	978 24
I-215	15 FEB /3	BW	322.78				211	978 24
I-215	15 FEB /3	BW	322.78	322.78			211	978 24
I-216	15 FEB /3	BW	322.67				211	978 24
I-216	15 FEB /3	BW	322.78	322.73	322.76	326.38	211	978 24
I-61	1 MAR /3 1530	BW	322.88				212	979 24
I-61	1 MAR /3 1530	BW	322.77	322.82			212	979 24
I-62	1 MAR /3 1537	BW	322.77				212	979 24
I-62	1 MAR /3 1537	BW	322.66	322.72			212	979 24
I-63	1 MAR /3 1541	BW	427.92*	427.92**	322.77	326.38	212	979 24
I-64	15 MAR /3 1515	BW	322.77				213	979 24
I-64	15 MAR /3 1515	BW	322.77	322.77			213	979 24
I-65	15 MAR /3 1521	BW	322.77				213	979 24
I-65	15 MAR /3 1521	BW	322.88	322.82			213	979 24
I-66	15 MAR /3 1527	BW	322.66				213	979 24
I-66	15 MAR /3 1527	BW	322.77	322.72	322.77	326.38	213	979 24
I-139	1 APR /3 1505	BW	323.00				214	980 24
I-139	1 APR /3 1505	BW	323.00	323.00			214	980 24
I-140	1 APR /3 1508	BW	323.00				214	980 24
I-140	1 APR /3 1508	BW	323.00	323.00			214	980 24
I-141	1 APR /3 1513	BW	323.00				214	980 24
I-141	1 APR /3 1513	BW	323.10	323.05	323.02	326.64	214	980 24
I-142	15 APR /3 1620	BW	323.43				215	980 24
I-142	15 APR /3 1620	BW	323.43	323.43			215	980 24
I-143	15 APR /3 1624	BW	323.32				215	980 24
I-143	15 APR /3 1624	BW	323.32	323.32			215	980 24
I-144	15 APR /3 1630	BW	323.21				215	980 24
I-144	15 APR /3 1630	BW	323.21	323.21	323.32	326.95	215	980 24

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO.	DATA SHEET		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.	DAILY AVE.	NO.	FIELD	ANAL.
I-67	1	MAY /3 1555	BW	323.32				216	981	24
I-67	1	MAY /3 1555	BW	323.43	323.37			216	981	24
I-68	1	MAY /3 1559	BW	323.43				216	981	24
I-68	1	MAY /3 1559	BW	323.43	323.43			216	981	24
I-69	1	MAY /3 1603	BW	323.43				216	981	24
I-69	1	MAY /3 1603	BW	323.43	323.43	323.41	327.05	216	981	24
I-70	15	MAY /3 1505	BW	323.43				217	981	24
I-70	15	MAY /3 1505	BW	323.43	323.43			217	981	24
I-71	15	MAY /3 1508	BW	323.54				217	981	24
I-71	15	MAY /3 1508	BW	323.54	323.54			217	981	24
I-72	15	MAY /3 1512	BW	323.54				217	981	24
I-72	15	MAY /3 1512	BW	323.43	323.43	323.48	327.12	217	981	24
I-10	2	JUN /3 1627	BW	325.72*				218	982	24
I-10	2	JUN /3 1627	BW	325.62*	325.67**			218	982	24
I-11	2	JUN /3 1631	BW	323.77				218	982	24
I-11	2	JUN /3 1631	BW	323.77	323.77			218	982	24
I-12	2	JUN /3 1636	BW	323.55				218	982	24
I-12	2	JUN /3 1636	BW	323.66	323.60	323.69	327.33	218	982	24
I-7	15	JUN /3 1615	BW	323.87				219	982	24
I-7	15	JUN /3 1615	BW	323.87	323.87			219	982	24
I-8	15	JUN /3 1619	BW	323.77				219	982	24
I-8	15	JUN /3 1619	BW	323.66	323.71			219	982	24
I-9	15	JUN /3 1624	BW	323.77				219	982	24
I-9	15	JUN /3 1624	BW	323.87	323.82	323.80	327.45	219	982	24
I-43	1	JUL /3 1755	BW	323.87				220	983	24
I-43	1	JUL /3 1755	BW	323.87	323.87			220	983	24
I-44	1	JUL /3 1801	BW	323.87				220	983	24
I-44	1	JUL /3 1801	BW	323.87	323.87			220	983	24
I-45	1	JUL /3 1807	BW	323.98				220	983	24
I-45	1	JUL /3 1807	BW	323.98	323.98	323.90	327.56	220	983	24

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
	DATE	TIME (LOCAL)		INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.
I-46	15 JUL	/3 1750	BW	323.98				221	983 24
I-46	15 JUL	/3 1750	BW	323.98	323.98			221	983 24
I-47	15 JUL	/3 1756	BW	324.09				221	983 24
I-47	15 JUL	/3 1756	BW	324.20	324.14			221	983 24
I-48	15 JUL	/3 1801	BW	324.20				221	983 24
I-48	15 JUL	/3 1801	BW	324.09	324.14	324.09	327.75	221	983 24
I-37	3 AUG	/3 1515	BW	324.74				222	983 24
I-37	3 AUG	/3 1515	BW	324.63	324.69			222	983 24
I-38	3 AUG	/3 1520	BW	324.96				222	983 24
I-38	3 AUG	/3 1520	BW	324.85	324.91			222	983 24
I-39	3 AUG	/3 1527	BW	324.63				222	983 24
I-39	3 AUG	/3 1527	BW	324.63	324.63	324.74	328.43	222	983 24
I-40	16 AUG	/3 1450	BW	324.63				223	984 24
I-40	16 AUG	/3 1450	BW	324.63	324.63			223	984 24
I-41	16 AUG	/3 1457	BW	324.63				223	984 24
I-41	16 AUG	/3 1457	BW	324.63	324.63			223	984 24
I-42	16 AUG	/3 1502	BW	324.52				223	984 24
I-42	16 AUG	/3 1502	BW	324.52	324.52	324.60	328.28	223	984 24
I-121	1 SEP	/3 1600	BW	324.95				224	985 24
I-121	1 SEP	/3 1600	BW	324.95	324.95			224	985 24
I-122	1 SEP	/3 1606	BW	324.95				224	985 24
I-122	1 SEP	/3 1606	BW	324.95	324.95			224	985 24
I-123	1 SEP	/3 1610	BW	324.95				224	985 24
I-123	1 SEP	/3 1610	BW	324.84	324.90	324.93	328.63	224	985 24
I-124	17 SEP	/3 1715	BW	325.17				225	985 24
I-124	17 SEP	/3 1715	BW	325.17	325.17			225	985 24
I-125	17 SEP	/3 1720	BW	324.95				225	985 24
I-125	17 SEP	/3 1720	BW	324.95	324.95			225	985 24
I-126	17 SEP	/3 1726	BW	324.95				225	985 24
I-126	17 SEP	/3 1726	BW	324.84	324.90	325.01	328.70	225	985 24

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R
I-127	1	OCT 73 1610	BW	324.95				226	986 24
I-127	1	OCT 73 1610	BW	324.95	324.95			226	986 24
I-128	1	OCT 73 1613	BW	324.95				226	986 24
I-128	1	OCT 73 1613	BW	324.95	324.95			226	986 24
I-129	1	OCT 73 1618	BW	324.95				226	986 24
I-129	1	OCT 73 1618	BW	324.95	324.95	324.95	328.65	226	986 24
I-130	15	OCT 73 1555	BW	324.95				227	986 24
I-130	15	OCT 73 1555	BW	324.95	324.95			227	986 24
I-131	15	OCT 73 1600	BW	324.95				227	986 24
I-131	15	OCT 73 1600	BW	324.95	324.95			227	986 24
I-132	15	OCT 73 1604	BW	324.95				227	986 24
I-132	15	OCT 73 1604	BW	324.94	324.90	324.93	328.63	227	986 24
I-13	1	NOV 73 1755	BW	324.85				228	986 24
I-13	1	NOV 73 1755	BW	324.96	324.91			228	986 24
I-14	1	NOV 73 1759	BW	324.96				228	986 24
I-14	1	NOV 73 1759	BW	324.85	324.91			228	986 24
I-15	1	NOV 73 1803	BW	325.07				228	986 24
I-15	1	NOV 73 1803	BW	325.07	325.07	324.96	328.66	228	986 24
I-16	2	DEC 73 1135	DWN	324.96				229	987 24
I-16	2	DEC 73 1135	DWN	324.96	324.96			229	987 24
I-17	2	DEC 73 1140	DWN	325.07				229	987 24
I-17	2	DEC 73 1140	DWN	324.96	325.02	324.99	328.69	229	987 24
I-1	1	JAN 74 2156	DWN	324.95				230	988 24
I-1	1	JAN 74 2156	DWN	324.62	324.79			230	988 24
I-2	1	JAN 74 2203	DWN	324.73				230	988 24
I-2	1	JAN 74 2203	DWN	324.84	324.79			230	988 24
I-3	1	JAN 74 2208	DWN	324.73				230	988 24
I-3	1	JAN 74 2208	DWN	324.84	324.79	324.79	328.48	230	988 24
I-4	15	JAN 74 1421	DWN	324.62				231	988 24
I-4	15	JAN 74 1421	DWN	324.62	324.62			231	988 24

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO. FIELD ANAL. R		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.				
I-5	15 JAN	/4 1424	DWN	324.62				231	988	24
I-5	15 JAN	/4 1424	DWN	324.62	324.62			231	988	24
I-6	15 JAN	/4 1430	DWN	324.51				231	988	24
I-6	15 JAN	/4 1430	DWN	324.51	324.51	324.59	328.27	231	988	24
I-205	9 FEB	/4 1816	DWN	482.35*	482.35**			232	989	24
I-206	9 FEB	/4 1819	DWN	324.40				232	989	24
I-206	9 FEB	/4 1819	DWN	324.29	324.35			232	989	24
I-207	9 FEB	/4 1825	DWN	324.51				232	989	24
I-207	9 FEB	/4 1825	DWN	324.40	324.46			232	989	24
I-209	9 FEB	/4	DWN	324.51				233	989	24
I-209	9 FEB	/4	DWN	324.51	324.51			233	989	24
I-210	9 FEB	/4	DWN	324.62				233	989	24
I-210	9 FEB	/4	DWN	324.51	324.57	324.47	328.15	233	989	24
I-19	3 MAR	/4 1826	DWN	324.17				234	1042	27
I-19	3 MAR	/4 1826	DWN	324.07	324.12			234	1042	27
I-20	3 MAR	/4 1830	DWN	324.46				234	1042	27
I-20	3 MAR	/4 1830	DWN	324.46	324.46			234	1042	27
I-21	3 MAR	/4 1833	DWN	324.17				234	1042	27
I-21	3 MAR	/4 1833	DWN	324.07	324.12	324.24	327.97	234	1042	27
I-22	23 MAR	/4 0213	DWN	324.17				235	1042	27
I-22	23 MAR	/4 0213	DWN	324.07	324.12			235	1042	27
I-23	23 MAR	/4 0215	DWN	324.17				235	1042	27
I-23	23 MAR	/4 0215	DWN	324.17	324.17	324.15	327.88	235	1042	27
I-199	2 APR	/4 1609	DWN	323.88				236	1043	27
I-199	2 APR	/4 1609	DWN	323.88	323.88			236	1043	27
I-200	2 APR	/4 1611	DWN	324.07				236	1043	27
I-200	2 APR	/4 1611	DWN	324.07	324.07			236	1043	27
I-201	2 APR	/4 1614	DWN	324.07				236	1040	27
I-201	2 APR	/4 1614	DWN	323.88	323.98	323.98	327.70	236	1043	27
I-202	15 APR	/4 1905	DWN	323.98				237	1043	27

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R
I-202	15 APR	74 1905	DWN	323.98	323.98		237	1040	27	
I-203	15 APR	74 1908	DWN	324.07			237	1043	27	
I-203	15 APR	74 1908	DWN	323.98	324.03		237	1043	27	
I-204	15 APR	74 1912	DWN	324.38			237	1043	27	
I-204	15 APR	74 1912	DWN	324.38	324.38	324.13	327,86	237	1043	27
I-169	15 MAY	74 1616	DWN	324.27			238	1044	27	
I-169	15 MAY	74 1616	DWN	324.16	324.21		238	1044	27	
I-170	15 MAY	74 1619	DWN	324.06			238	1044	27	
I-170	15 MAY	74 1619	DWN	324.06	324.06		238	1044	27	
I-171	15 MAY	74 1622	DWN	323.96			238	1044	27	
I-171	15 MAY	74 1622	DWN	324.16	324.06	324.11	327,84	238	1044	27
I-172	3 JUN	74 1534	DWN	323.87			239	1044	27	
I-172	3 JUN	74 1534	DWN	323.96	323.92		239	1044	27	
I-173	3 JUN	74 1539	DWN	324.06			239	1044	27	
I-173	3 JUN	74 1539	DWN	324.06	324.06		239	1044	27	
I-174	3 JUN	74 1542	DWN	323.96			239	1044	27	
I-174	3 JUN	74 1542	DWN	323.96	323.96	323.98	327,70	239	1044	27
I-133	15 JUN	74 1451	DWN	323.96			240	1045	27	
I-133	15 JUN	74 1451	DWN	323.96	323.96		240	1040	27	
I-134	15 JUN	74 1454	DWN	323.87			240	1045	27	
I-134	15 JUN	74 1454	DWN	323.77	323.82		240	1045	27	
I-135	15 JUN	74 1457	DWN	323.96			240	1045	27	
I-135	15 JUN	74 1457	DWN	323.96	323.96	323.92	327,64	240	1045	27
I-136	1 JUL	74 1510	DWN	324.37			241	1045	27	
I-136	1 JUL	74 1510	DWN	324.37	324.37		241	1045	27	
I-137	1 JUL	74 1513	DWN	324.46			241	1045	27	
I-137	1 JUL	74 1513	DWN	324.46	324.46		241	1045	27	
I-138	1 JUL	74 1517	DWN	324.46			241	1045	27	
I-138	1 JUL	74 1517	DWN	324.46	324.46	324.43	328,17	241	1045	27
I-193	15 JUL	74 1605	DWN	324.55			242	1046	27	

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING			OPSR	ADJUSTED INDEX		MANO. DAILY AVE.	DATA SHEET NO.		
	DATE	AND TIME	(LOCAL)		INDIV. ANAL.	FLASK AVE.		DAILY AVE.	FIELD	ANAL.
I-193	15 JUL	/4 1605		DWN	324.45	324.50		242	1046	27
I-194	15 JUL	/4 1608		DWN	324.55			242	1046	27
I-194	15 JUL	/4 1608		DWN	324.45	324.50		242	1046	27
I-195	15 JUL	/4 1611		DWN	324.65			242	1046	27
I-195	15 JUL	/4 1611		DWN	324.55	324.60	324.53	328.28	242	1046 27
I-196	2 AUG	/4 1601		DWN	324.55			243	1046	27
I-196	2 AUG	/4 1601		DWN	324.55	324.55		243	1046	27
I-197	2 AUG	/4 1603		DWN	324.65			243	1046	27
I-197	2 AUG	/4 1603		DWN	324.65	324.65		243	1046	27
I-198	2 AUG	/4 1605		DWN	324.74			243	1046	27
I-198	2 AUG	/4 1605		DWN	324.55	324.65	324.61	328.36	243	1046 27
I-103	17 AUG	/4 1640		DWN	324.85			244	1047	27
I-103	17 AUG	/4 1640		DWN	324.85	324.85		244	1047	27
I-104	17 AUG	/4 1643		DWN	324.66			244	1047	27
I-104	17 AUG	/4 1643		DWN	324.66	324.66		244	1047	27
I-105	17 AUG	/4 1646		DWN	324.95			244	1047	27
I-105	17 AUG	/4 1646		DWN	324.85	324.90	324.80	328.56	244	1047 27
I-106	2 SEP	/4 1606		DWN	325.05			245	1047	27
I-106	2 SEP	/4 1606		DWN	324.95	325.00		245	1047	27
I-107	2 SEP	/4 1608		DWN	325.05			245	1047	27
I-107	2 SEP	/4 1608		DWN	325.05	325.05		245	1047	27
I-108	2 SEP	/4 1610		DWN	324.95			245	1047	27
I-108	2 SEP	/4 1610		DWN	324.85	324.90	324.98	328.75	245	1047 27
I-55	16 SEP	/4 1552		DWN	324.95			246	1047	27
I-55	16 SEP	/4 1552		DWN	324.95	324.95		246	1047	27
I-56	16 SEP	/4 1555		DWN	324.95			246	1047	27
I-56	16 SEP	/4 1555		DWN	324.95	324.95		246	1047	27
I-57	16 SEP	/4 1559		DWN	325.05			246	1047	27
I-57	16 SEP	/4 1559		DWN	324.95	325.00	324.97	328.73	246	1047 27
I-58	2 OCT	/4 1444		DWN	325.05			247	1047	27

TABLE 1.

ADJUSTED INDICES AND 1974 MAND CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MAND. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R	
I-58	2 OCT	74 1444	DWN	325.05	325.05		247	1047	27	
I-59	2 OCT	74 1448	DWN	325.15			247	1047	27	
I-59	2 OCT	74 1448	DWN	325.15	325.15		247	1047	27	
I-60	2 OCT	74 1452	DWN	325.15			247	1047	27	
I-60	2 OCT	74 1452	DWN	324.95	325.05	325.08	328.85	247	1047	27
I-32	17 OCT	74 1306	DWN	325.13				248	1049	27
I-32	17 OCT	74 1306	DWN	325.13	325.13			248	1049	27
I-33	17 OCT	74 1310	DWN	325.13				248	1049	27
I-33	17 OCT	74 1310	DWN	325.04	325.09			248	1049	27
I-34	17 OCT	74 1314	DWN	416.61*	416.61**	325.11	328.88	248	1049	27
I-25	4 NOV	74 1629	DWN	325.33				249	1049	27
I-25	4 NOV	74 1629	DWN	325.23	325.28			249	1049	27
I-26	4 NOV	74 1636	DWN	325.33				249	1049	27
I-26	4 NOV	74 1636	DWN	325.33	325.33			249	1049	27
I-27	4 NOV	74 1640	DWN	325.44				249	1049	27
I-27	4 NOV	74 1640	DWN	325.33	325.38	325.33	329.11	249	1049	27
I-28	16 NOV	74 1538	DWN	325.23				250	1050	27
I-28	16 NOV	74 1538	DWN	325.13	325.18			250	1050	27
I-29	16 NOV	74 1540	DWN	325.04				250	1050	27
I-29	16 NOV	74 1540	DWN	325.04	325.04			250	1050	27
I-30	16 NOV	74 1545	DWN	325.13				250	1050	27
I-30	16 NOV	74 1545	DWN	325.13	325.13			250	1050	27
I-35	16 NOV	74 1555	SJK	325.04				251	1050	27
I-35	16 NOV	74 1555	SJK	325.04	325.04			251	1050	27
I-36	16 NOV	74 1557	SJK	325.04				251	1050	27
I-36	16 NOV	74 1557	SJK	325.23	325.13	325.10	328.87	251	1050	27
I-49	2 DEC	74 1507	SJK	325.23				252	1051	27
I-49	2 DEC	74 1507	SJK	325.23	325.23			252	1051	27
I-50	2 DEC	74 1509	SJK	325.13				252	1001	27
I-50	2 DEC	74 1509	SJK	325.04	325.09			252	1051	27

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R	
I-51	2	DEC /4 1511	SJK	325.04				252	1051	27
I-51	2	DEC /4 1511	SJK	325.04	325.04	325.12	328.88	252	1051	27
I-52	15	DEC /4 1554	SJK	325.04				253	1051	27
I-52	15	DEC /4 1554	SJK	325.04	325.04			253	1051	27
I-53	15	DEC /4 1557	SJK	325.04				253	1051	27
I-53	15	DEC /4 1557	SJK	325.04	325.04			253	1051	27
I-54	15	DEC /4 1600	SJK	325.04				253	1051	27
I-54	15	DEC /4 1600	SJK	325.04	325.04	325.04	328.80	253	1051	27
I-97	6	JAN /5 1718	SJK	324.95				254	1052	27
I-97	6	JAN /5 1718	SJK	324.85	324.90			254	1052	27
I-98	6	JAN /5 1722	SJK	324.85				254	1052	27
I-98	6	JAN /5 1722	SJK	324.95	324.90			254	1052	27
I-99	6	JAN /5 1728	SJK	325.06				254	1052	27
I-99	6	JAN /5 1728	SJK	325.06	325.06	324.96	328.72	254	1052	27
I-100	15	JAN /5 1016	SJK	325.06				255	1052	27
I-100	15	JAN /5 1016	SJK	325.06	325.06			255	1052	27
I-101	15	JAN /5 1021	SJK	325.06				255	1052	27
I-101	15	JAN /5 1021	SJK	325.06	325.06			255	1052	27
I-102	15	JAN /5 1024	SJK	324.95				255	1052	27
I-102	15	JAN /5 1024	SJK	324.95	324.95	325.02	328.79	255	1052	27
I-109	1	FEB /5 1405	SJK	324.91				256	1111	29
I-109	1	FEB /5 1405	SJK	324.91	324.91			256	1111	29
I-110	1	FEB /5 1413	SJK	324.91				256	1111	29
I-110	1	FEB /5 1413	SJK	325.01	324.96			256	1111	29
I-111	1	FEB /5 1417	SJK	325.01				256	1111	29
I-111	1	FEB /5 1417	SJK	325.01	325.01	324.96	328.77	256	1111	29
I-112	15	FEB /5 1539	SJK	324.83				257	1111	29
I-112	15	FEB /5 1539	SJK	324.91	324.87			257	1111	29
I-113	15	FEB /5 1543	SJK	324.91				257	1111	29
I-113	15	FEB /5 1543	SJK	324.91	324.91			257	1111	29

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R
I-114	15 FEB /5	1547	SJK	325.46*				257	1111 29
I-114	15 FEB /5	1547	SJK	325.46*	325.46**	324.89	328.70	257	1111 29
I-115	1 MAR /5	1539	SJK	324.80				258	1112 29
I-115	1 MAR /5	1539	SJK	324.72	324.76			258	1112 29
I-116	1 MAR /5	1542	SJK	324.90				258	1112 29
I-116	1 MAR /5	1542	SJK	324.90	324.90			258	1112 29
I-117	1 MAR /5	1545	SJK	324.90				258	1112 29
I-117	1 MAR /5	1545	SJK	324.90	324.90	324.86	328.66	258	1112 29
I-119	15 MAR /5	1511	SJK	324.90				259	1112 29
I-119	15 MAR /5	1511	SJK	324.90	324.90			259	1112 29
I-159	15 MAR /5	1757	SJK	324.73				260	1112 29
I-159	15 MAR /5	1757	SJK	324.73	324.73			260	1112 29
I-160	15 MAR /5	1801	SJK	324.91				261	1112 29
I-160	15 MAR /5	1801	SJK	324.91	324.91	324.85	328.65	261	1112 29
I-158	5 APR /5	0855	SJK	324.83				262	1112 29
I-158	5 APR /5	0855	SJK	324.83	324.83			262	1112 29
I-161	5 APR /5	0859	SJK	325.01				262	1113 29
I-161	5 APR /5	0859	SJK	324.91	324.96			262	1113 29
I-162	5 APR /5	0903	SJK	324.91				262	1113 29
I-162	5 APR /5	0903	SJK	324.91	324.91	324.90	328.71	262	1113 29
I-163	15 APR /5	1340	SJK	324.95				263	1114 29
I-163	15 APR /5	1340	SJK	324.77	324.86			263	1114 29
I-164	15 APR /5	1347	SJK	324.95				263	1114 29
I-164	15 APR /5	1347	SJK	324.95	324.95			263	1114 29
I-165	15 APR /5	1353	SJK	324.95				263	1114 29
I-165	15 APR /5	1353	SJK	324.87	324.91	324.91	328.71	263	1114 29
I-166	1 MAY /5	1315	SJK	324.95				264	1114 29
I-166	1 MAY /5	1315	SJK	324.95	324.95			264	1114 29
I-167	1 MAY /5	1322	SJK	324.95				264	1114 29
I-167	1 MAY /5	1322	SJK	324.95	324.95			264	1114 29

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD ANAL.	R	
I-168	1	MAY 75 1329	SJK	324.95				264	1114	29
I-168	1	MAY 75 1329	SJK	324.95	324.95	324.95	328.76	264	1114	29
I-1	15	MAY 75 1600	SJK	324.77				265	1115	29
I-1	15	MAY 75 1600	SJK	324.77	324.77			265	1115	29
I-2	15	MAY 75 1605	SJK	324.87				265	1115	29
I-2	15	MAY 75 1605	SJK	324.87	324.87			265	1115	29
I-3	15	MAY 75 1611	SJK	324.87				265	1115	29
I-3	15	MAY 75 1611	SJK	324.77	324.82	324.82	328.62	265	1115	29
I-4	1	JUN 75 1412	SJK	324.95				266	1115	29
I-4	1	JUN 75 1412	SJK	324.95	324.95			266	1115	29
I-5	1	JUN 75 1419	SJK	324.95				266	1115	29
I-5	1	JUN 75 1419	SJK	324.95	324.95			266	1115	29
I-6	1	JUN 75 1426	SJK	324.95				266	1115	29
I-6	1	JUN 75 1426	SJK	324.87	324.91	324.94	328.74	266	1115	29
I-7	15	JUN 75 1550	SJK	325.05				267	1115	29
I-7	15	JUN 75 1550	SJK	325.05	325.05			267	1115	29
I-8	15	JUN 75 1557	SJK	324.95				267	1115	29
I-8	15	JUN 75 1557	SJK	325.13	325.04			267	1115	29
I-9	15	JUN 75 1603	SJK	325.13				267	1115	29
I-9	15	JUN 75 1603	SJK	325.05	325.09	325.06	328.87	267	1115	29
I-10	1	JUL 75 1315	SJK	325.23				268	1116	29
I-10	1	JUL 75 1315	SJK	325.32	325.27			268	1116	29
I-11	1	JUL 75 1321	SJK	325.13				268	1116	29
I-11	1	JUL 75 1321	SJK	325.13	325.13			268	1116	29
I-12	1	JUL 75 1328	SJK	325.23				268	1116	29
I-12	1	JUL 75 1328	SJK	325.13	325.18	325.20	329.01	268	1116	29
I-13	15	JUL 75 1315	SJK	325.15				269	1116	29
I-13	15	JUL 75 1315	SJK	325.33	325.24			269	1116	29
I-14	15	JUL 75 1322	SJK	325.33				269	1116	29
I-14	15	JUL 75 1322	SJK	325.24	325.29			269	1116	29

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		ORSR	ADJUSTED INDEX		MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANAL.	FLASK AVE.		DAILY AVE.	FIELD ANAL.
I-15	15 JUL	75 1328	SJK	325.33			269	1116 29
I-15	15 JUL	75 1328	SJK	325.33	325.33	325.28	329.10	269 1116 29
I-16	1 AUG	75 1346	SJK	326.16*			270	1116 29
I-16	1 AUG	75 1346	SJK	326.07*	326.11**		270	1116 29
I-17	1 AUG	75 1357	SJK	325.61			270	1116 29
I-17	1 AUG	75 1357	SJK	325.61	325.61		270	1116 29
I-18	1 AUG	75 1409	SJK	325.51			270	1116 29
I-18	1 AUG	75 1409	SJK	325.61	325.56	325.58	329.42	270 1116 29
I-37	15 AUG	75 1400	SJK	325.88			271	1118 29
I-37	15 AUG	75 1400	SJK	325.98	325.88		271	1118 29
I-38	15 AUG	75 1500	SJK	325.78			271	1118 29
I-38	15 AUG	75 1500	SJK	325.69	325.74		271	1118 29
I-39	15 AUG	75 1500	SJK	325.88			271	1118 29
I-39	15 AUG	75 1500	SJK	325.69	325.79	325.80	329.64	271 1118 29
I-40	1 SEP	75 1505	SJK	326.06			272	1118 29
I-40	1 SEP	75 1505	SJK	326.06	326.06		272	1118 29
I-41	1 SEP	75 1515	SJK	325.96			272	1118 29
I-41	1 SEP	75 1515	SJK	325.96	325.96		272	1118 29
I-42	1 SEP	75 1530	SJK	326.06			272	1118 29
I-42	1 SEP	75 1530	SJK	326.06	326.06	326.03	329.88	272 1118 29
I-43	17 SEP	75 1542	SJK	326.24			273	1119 29
I-43	17 SEP	75 1542	SJK	326.24	326.24		273	1119 29
I-44	17 SEP	75 1551	SJK	326.24			273	1119 29
I-44	17 SEP	75 1551	SJK	326.24	326.24		273	1119 29
I-45	17 SEP	75 1604	SJK	326.24			273	1119 29
I-45	17 SEP	75 1604	SJK	326.15	326.19	326.23	330.08	273 1119 29
I-46	1 OCT	75 1530	RGM	326.33			274	1119 29
I-46	1 OCT	75 1530	RGM	326.33	326.33		274	1119 29
I-47	1 OCT	75 1539	RGM	326.33			274	1119 29
I-47	1 OCT	75 1539	RGM	326.33	326.33		274	1119 29

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R
I-48	1	OCT /5 1549	RGM	326.33				274	1119	29
I-48	1	OCT /5 1549	RGM	326.33	326.33	326.33	330.19	274	1119	29
I-61	16	OCT /5 1402	SJK	326.61				275	1119	29
I-61	16	OCT /5 1402	SJK	326.61	326.61			275	1119	29
I-62	16	OCT /5 1410	SJK	326.69				275	1119	29
I-62	16	OCT /5 1410	SJK	326.69	326.69			275	1119	29
I-63	16	OCT /5 1417	SJK	326.61				275	1120	29
I-63	16	OCT /5 1417	SJK	326.51	326.56	326.62	330.50	275	1120	29
I-64	1	NOV /5 1545	GE	326.43				276	1120	29
I-64	1	NOV /5 1545	GE	326.43	326.43			276	1120	29
I-65	1	NOV /5 1557	GE	326.43				276	1120	29
I-65	1	NOV /5 1557	GE	326.43	326.43	326.43	330.29	276	1120	29
I-67	28	NOV /5 1000	GE	326.39				277	1126	29
I-67	28	NOV /5 1000	GE	326.29	326.34			277	1126	29
I-68	28	NOV /5 1010	GE	326.39				277	1126	29
I-68	28	NOV /5 1010	GE	326.39	326.39			277	1126	29
I-69	28	NOV /5 1010	GE	326.29				277	1126	29
I-69	28	NOV /5 1010	GE	326.21	326.25	326.33	330.20	277	1126	29
I-70	1	DEC /5 1405	JRJ	326.11				278	1126	29
I-70	1	DEC /5 1405	JRJ	326.21	326.16			278	1126	29
I-71	1	DEC /5 1408	JRJ	326.11				278	1126	29
I-71	1	DEC /5 1408	JRJ	326.21	326.16			278	1126	29
I-72	1	DEC /5 1412	JRJ	326.21				278	1126	29
I-72	1	DEC /5 1412	JRJ	326.21	326.21	326.17	330.04	278	1126	29
I-121	15	DEC /5 2048	JRJ	326.39				279	1127	29
I-121	15	DEC /5 2048	JRJ	326.39	326.39			279	1127	29
I-122	15	DEC /5 2051	JRJ	326.21				279	1127	29
I-122	15	DEC /5 2051	JRJ	326.21	326.21			279	1127	29
I-123	15	DEC /5 2054	JRJ	326.21				279	1127	29
I-123	15	DEC /5 2054	JRJ	326.21	326.21	326.27	330.14	279	1127	29

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING DATE AND TIME (LOCAL)		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL. R
I-124	1	JAN /6 1810	JRJ	326.67*				280	1127 29
I-124	1	JAN /6 1810	JPJ	326.67*	326.67**			280	1127 29
I-125	1	JAN /6 1815	JRJ	326.21				280	1127 29
I-125	1	JAN /6 1815	JRJ	326.12	326.16			280	1127 29
I-126	1	JAN /6 1819	JRJ	326.39				280	1127 29
I-126	1	JAN /6 1819	JRJ	326.49	326.44	326.30	330.17	280	1127 29
I-127	16	JAN /6 0924	VS	328.06*				281	1127 29
I-127	16	JAN /6 0924	VS	327.88*	327.97**			281	1127 29
I-128	16	JAN /6 0928	VS	327.50*				281	1127 29
I-128	16	JAN /6 0928	VS	327.50*	327.50**			281	1127 29
I-129	16	JAN /6 0935	VS	330.43*				281	1128 29
I-129	16	JAN /6 0935	VS	330.52*	330.48**	328.65***	332.63***	281	1128 29
I-130	2	FEB /6 1318	VS	326.04				282	1128 29
I-130	2	FEB /6 1318	VS	325.95	325.99			282	1128 29
I-131	2	FEB /6 1320	VS	326.50*				282	1128 29
I-131	2	FEB /6 1320	VS	326.68*	326.59**			282	1128 29
I-132	2	FEB /6 1326	VS	326.04				282	1128 29
I-132	2	FEB /6 1326	VS	326.13	326.08	326.04	329.90	282	1128 29
I-139	3	FEB /6 1420	VS	326.04				283	1129 29
I-139	3	FEB /6 1420	VS	326.04	326.04			283	1129 29
I-140	3	FEB /6 1425	VS	326.04				283	1129 29
I-140	3	FEB /6 1425	VS	326.04	326.04			283	1129 29
I-141	3	FEB /6 1430	VS	326.30				283	1129 29
I-141	3	FEB /6 1430	VS	326.22	326.26			283	1129 29
I-142	3	FEB /6 1149	VS	325.94				284	1129 29
I-142	3	FEB /6 1149	VS	325.85	325.90			284	1129 29
I-143	3	FEB /6 1153	VS	326.12				284	1129 29
I-143	3	FEB /6 1153	VS	325.94	326.03			284	1129 29
I-144	3	FEB /6 1158	VS	325.94				284	1129 29
I-144	3	FEB /6 1158	VS	326.04	325.99	326.04	329.90	284	1129 29

TABLE 1.

ADJUSTED INDICES AND 1974 MANO CO2 CONCENTRATIONS OF FLASK AIR SAMPLES

SOUTH POLE

FLASK NO.	SAMPLING		OBSR	ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET NO.		
	DATE	TIME		INDIV. ANAL.	FLASK AVE.	DAILY AVE.		FIELD	ANAL.	R
I-205	5 FEB '76	1305	VS	325.96				285	1130	29
I-205	5 FEB '76	1305	VS	326.05	326.01			285	1130	29
I-206	5 FEB '76	1309	VS	326.23				285	1130	29
I-206	5 FEB '76	1309	VS	326.23	326.23			285	1130	29
I-207	5 FEB '76	1314	VS	325.96				285	1130	29
I-207	5 FEB '76	1314	VS	325.96	325.96	326.07	329.93	285	1130	29
I-208	6 FEB '76	0150	VS	326.23				286	1130	29
I-208	6 FEB '76	0150	VS	326.23	326.23			286	1130	29
I-209	6 FEB '76	0152	VS	325.87				286	1130	29
I-209	6 FEB '76	0152	VS	325.87	325.87			286	1130	29
I-210	6 FEB '76	0154	VS	325.78				286	1130	29
I-210	6 FEB '76	0154	VS	325.68	325.73	325.94	329.80	286	1130	29

TABLE 1a

ADJUSTED INDICES AND 1974 MANO CO₂ CONCENTRATIONS OF FLASK AIR SAMPLES
WILKES STATION (66.0°S, 110.0°E)

FLASK NO.	VOL.	SAMPLING DATE AND TIME (LOCAL)		ADJUSTED INDEX			MANO. DAILY AVE.	DATA SHEET	
				INDIV. ANAL.	FLASK AVE.	DAILY AVE.		NO. ANAL.	R
A-9	5	23 SEP 57	2330	310.97				14	2
A-9	5	23 SEP 57	2330	310.55	310.76	310.76	313.89	14	2
A-11	5	22 DEC 57	1200	311.55				14	2
A-11	5	22 DEC 57	1200	311.83	311.69			14	2
A-12	5	22 DEC 57	1200	313.67*				14	2
A-12	5	22 DEC 57	1200	313.39*	313.53*	311.69	314.83	14	2
A-1	5	23 DEC 57	0000	326.57*				14	2
A-1	5	23 DEC 57	0000	325.72*	326.15*			14	2
A-2	5	23 DEC 57	0000	312.11				14	2
A-2	5	23 DEC 57	0000	311.83	311.97	311.97	315.11	14	2
A-3	5	20 JUN 58	--	312.62				14	2
A-3	5	20 JUN 58	--	312.52	312.57			58	3
A-4	5	20 JUN 58	--	315.07*				58	3
A-4	5	20 JUN 58	--	315.07*	315.07*	312.57	315.05	58	3
A-5	5	22 DEC 58	--	340.66*				58	3
A-5	5	22 DEC 58	--	340.66*	340.66*			58	3
A-5	5	22 DEC 58	--	313.89				58	3
A-5	5	22 DEC 58	--	313.79	313.84	313.84	316.33	58	3

*Individual Analyses more than 1 ppm in adjusted index above daily averages (Not included in daily average).

TABLE 1b

LIST OF OBSERVERS WHO COLLECTED FLASK SAMPLES AT THE SOUTH POLE

LA - L. Aldaz
CB - Craig Brown
HC - Harold L. Coleman, also known as HLC
GE - George Engeman
EF - E. Flowers
CG - Charles Gadsden, also known as CAG
LG - L.F. Gillespie
KJH - K.J. Hanson
EAJ - Ed Jessup
JRJ - James R. Jordan
SJK - Stephen J. Kott
JRK - James R. Kroth
RGM - Richard G. Maestas
DWN - Don Nelson
JP - John C. Plankinton
HR - Howard Redifer
RS - Ron Stephen
VS - Valentine Szwarc
HT - Harry Thomas
DW - Denis Walts
BW - Bruce Webster
RW - R. Witalis

TABLE 2

Semimonthly CO₂ Index Values Obtained From the
South Pole Continuous Analyzer, 1960-1963

Table 2. Semimonthly CO₂ Index Values Obtained From the South Pole Continuous Analyzer, 1960-1963

ANTARCTIC CARBON DIOXIDE PROJECT

Col: 1	2	3	4	5
Year	Days over which index was averaged	Median day	Adjusted Average Index	Mano. Conc.
1960	Aug. 1-Aug.15	Aug. 7	313.61	316.59
	Aug.16-Aug.31	Aug.19	313.42	316.39
1961	May 16-May 31	May 25	313.56	316.58
	Jun. 1-Jun.15	Jun. 8	313.44	316.46
	Jun.16-Jun.30	Jun.23	313.67	316.70
	Jul. 1-Jul.15	Jul. 8	313.57	316.60
	Jul.16-Jul.31	Jul.23	313.80	316.84
	Aug. 1-Aug.15	Aug. 7	313.94	316.98
	Aug.16-Aug.31	Aug.27	314.18	317.23
	Sep. 1-Sep.15	Sep. 5	314.51	317.57
	Sep.16-Sep.30	Sep.15	314.15	317.20
	Oct.14-Oct.22	Oct.18	315.18*	318.26*
	Oct.23-Oct.31	Oct.27	314.74	317.81
	Nov. 1-Nov.15	Nov. 8	314.98	318.06
	Nov.16-Nov.30	Nov.23	315.19	318.27
	Dec. 1-Dec.15	Dec. 8	314.97	318.05
	Dec.16-Dec.30	Dec.23	314.80	318.88
1962	Jan. 1-Jan.15	Jan.10	314.70	317.78
	Feb. 1-Feb.15	Feb. 8	314.52	317.60
	Feb.16-Feb.28	Feb.22	314.43	317.51
	Mar. 1-Mar.15	Mar. 8	314.30	317.38
	Mar.16-Mar.31	Mar.23	314.24	317.33
	Apr. 1-Apr.15	Apr. 8	314.23	317.32
	Apr.16-Apr.30	Apr.23	314.40	317.49
	May 1-May 15	May 8	314.29	317.38
	May 16-May 31	May 22	314.45	317.55
	Jun. 1-Jun.15	Jun. 8	314.51	317.61
	Jun.16-Jun.30	Jun.28	314.40	317.51
	Jul. 1-Jul.15	Jul. 9	314.34	317.45
	Jul.16-Jul.31	Jul.23	314.58	317.69
	Aug. 1-Aug.15	Aug. 8	314.69	317.81
	Aug.16-Aug.31	Aug.23	314.90	318.02
	Sep. 1-Sep.15	Sep. 7	315.13	318.26
	Sep.16-Sep.30	Sep.23	315.28	318.42
	Oct. 1-Oct.15	Oct. 8	315.74*	318.89*
	Oct.16-Oct.31	Oct.23	316.23*	319.39*
	Nov. 1-Nov.15	Nov. 3	316.54*	319.71*
	Nov.16-Nov.30	Nov.25	316.04*	319.20*
	Dec. 1-Dec.15	Dec. 8	315.79	318.95

Table 2. Semimonthly CO₂ Index Values Obtained From the South Pole Continuous Analyzer, 1960-1963

ANTARCTIC CARBON DIOXIDE PROJECT

Col: 1	2	3	4	5
Year	Days over which index was averaged	Median day	Adjusted Average Index	Mano. Conc.
1962	Dec.16-Dec.31	Dec.23	315.67	318.83
1963	Jan. 1-Jan.15	Jan. 8	315.41	318.57
	Jan.16-Jan.31	Jan.23	315.06	318.21
	Feb. 1-Feb.15	Feb. 8	314.98	318.13
	Feb.16-Feb.28	Feb.22	314.96	318.12
	Mar. 1-Mar.15	Mar. 8	314.69	317.84
	Mar.16-Mar.31	Mar.23	314.46	317.61
	Apr.12-Apr.20	Apr.16	315.12	318.29
	Apr.21-Apr.30	Apr.25	315.49	318.67
	May 1-May 15	May 8	315.73*	318.91*
	May 16-May 30	May 23	315.54	318.72
	Jun. 1-Jun.15	Jun. 5	315.57	318.76
	Jun.16-Jun.30	Jun.23	315.59	318.78
	Jul. 1-Jul.15	Jul. 7	315.67	318.86
	Jul.16-Jul.31	Jul.24	315.56	318.75
	Aug. 1-Aug.15	Aug. 8	315.91	319.11
	Aug.16-Aug.31	Aug.23	315.51	318.71
	Sep. 1-Sep.15	Sep. 5	315.53	318.73
	Sep.16-Sep.30	Sep.22	315.91	319.12
	Oct. 1-Oct.15	Oct.11	316.24	319.46
	Oct.16-Oct.31	Oct.19	316.38	319.61

* Rejected statistically when combined with long term set of flask data.

TABLE 3

ALGOL PROGRAM OUTPUT LISTING FOR THE SOUTH POLE STATION

Table 3a: Daily average adjusted index values (labeled "59MANO").

Table 3b: Dates of analysis for the above, (year, month, day).

Table 3c: Dates of collection in same format as Table 3b.

Table 3d: Statistical weight assigned to each daily average.

Table 3e: Plotting symbol which distinguishes between flask and continuous data.

Table 3f: Date of collection as decimal fraction since 1 January 1957.

Table 3g: Daily averages corrected by equations (2), (3) and (4).

Table 3h: Daily averages expressed as mole fractions on the 1974 manometric scale.

TABLE 3a

DAILY AVERAGES (59MANO) ARE

310.54	310.70	311.19	312.13	312.13	312.03	311.74	312.23	313.00	313.05	313.23	312.63
312.81	312.70	312.76	312.80	312.66	313.73	313.80	313.84	314.07	314.06	314.06	314.01
314.21	313.75	313.90	313.78	313.78	313.77	313.61	313.42	313.56	313.44	313.67	313.57
313.80	313.94	314.18	314.51	314.15	314.74	314.98	315.19	314.97	314.80	314.70	314.52
314.43	314.20	314.24	314.23	314.40	314.29	314.45	314.51	314.40	314.34	314.58	314.69
314.90	315.13	315.28	315.79	315.67	315.41	315.06	314.98	314.96	314.69	314.46	315.12
315.49	315.54	315.57	315.59	315.67	315.56	315.91	315.51	315.53	315.91	316.24	316.38
316.18	315.93	315.79	315.70	315.92	315.67	315.64	315.74	315.70	315.93	316.13	316.48
315.97	316.87	316.66	316.57	316.73	317.33	317.23	317.36	317.36	317.33	317.62	317.36
317.21	317.21	317.16	316.87	316.99	317.19	317.28	317.37	317.83	317.72	318.02	318.20
318.29	318.40	318.29	318.54	318.46	318.64	318.18	318.01	317.98	317.69	317.74	317.63
317.80	317.83	317.79	317.74	317.98	317.97	318.37	318.69	318.72	318.97	318.73	318.69
318.72	318.83	318.85	318.65	318.82	318.57	318.53	318.72	318.49	318.41	318.32	318.30
318.38	318.72	318.33	318.20	318.36	318.61	319.76	319.76	319.32	319.63	319.29	319.55
319.29	319.30	319.25	319.14	319.11	318.25	318.40	318.99	318.79	318.62	318.74	319.00
319.31	319.35	319.54	319.78	319.96	320.30	320.07	319.92	320.09	320.33	320.25	320.31
320.29	320.24	320.19	320.09	320.41	320.44	320.42	320.73	320.91	321.03	321.10	321.19
321.54	321.78	322.06	321.88	321.83	321.84	321.90	322.37	322.03	321.68	321.49	321.69
321.30	321.84	321.12	321.11	321.18	321.44	321.36	321.47	321.62	321.83	321.90	322.32
322.31	322.46	322.30	322.58	322.43	322.92	322.38	322.78	322.38	321.78	321.74	321.64
321.66	321.76	321.78	321.88	322.13	322.51	322.80	322.35	321.77	323.35	323.03	323.00
323.26	321.85	323.34	323.63	323.35	323.22	323.28	323.34	322.60	322.75	322.77	322.77
323.01	323.31	323.41	323.48	323.68	323.80	323.90	324.08	324.74	324.59	324.92	325.00
324.95	324.92	324.96	324.98	324.78	324.58	324.47	324.23	324.13	323.97	324.12	324.11
323.97	323.91	324.42	324.53	324.61	324.80	324.98	324.96	325.08	325.11	325.33	325.11
325.12	325.03	324.95	325.02	324.96	324.89	324.86	324.85	324.90	324.91	324.95	324.82
324.94	325.16	325.20	325.28	325.58	325.80	326.03	326.23	326.33	326.62	326.43	326.33
326.17	326.27	326.30	326.04	326.04	326.07	325.94					

TABLE 3b

DATE ANALYSED =

581021	581021	581014	590903	590903	590903	590905	590905	590903	590903	600302	600302
600302	600302	600302	600302	600302	600303	600303	600303	600303	600303	600308	600308
600309	600309	600309	600309	600309	600309	600807	600819	610525	610608	610623	610708
610723	610807	610827	610905	610915	611027	611108	611123	611208	611223	620110	620208
620222	620308	620323	620408	620423	620508	620522	620608	620628	620709	620723	620808
620823	620907	620923	621208	621223	630108	630123	630208	630222	630308	630323	630416
630425	630523	630605	630623	630707	630724	630808	630823	630905	630922	631011	631019
660524	660524	660524	660524	660601	660601	660601	660607	660607	660607	660607	660608
660608	660607	660627	660627	660629	660629	660629	660629	660810	660810	660810	660811
660811	660811	661213	660811	661213	661213	661213	661213	661214	661214	661214	661215
661215	661215	661215	661215	671004	671004	671005	671005	671005	680118	680118	680119
680119	680124	680124	680124	680124	680125	680125	680125	680125	680125	680126	680126
680126	680126	680605	680614	680619	680619	680619	690211	690214	690214	690218	690226
690226	690228	690228	690303	690303	690303	690220	690220	690220	690224	690224	690224
690404	690404	690404	690404	700716	700713	700715	700715	700714	700714	700717	700716
700716	700714	700714	700716	700716	700716	700716	700716	700716	700717	700717	710212
710212	710401	710401	710401	710401	710407	710407	710407	710407	710408	710408	710408
710408	710409	710409	710409	710409	710712	710712	710712	710712	710713	710713	720330
720330	720330	720330	720405	720405	720405	720405	720406	720406	720406	720407	720407
720407	720407	720410	720410	720418	720418	730102	730102	730102	730102	730102	730102
730103	730103	730103	730103	730103	730103	730104	730104	730104	730104	730104	730104
730105	730105	730405	730405	730405	730405	730405	730405	740410	740410	740410	740410
740411	740411	740411	740411	740412	740412	740412	740412	740412	740412	740413	740413
740413	740413	740413	740413	740414	740414	740414	750508	750508	750508	750508	750509
750509	750509	750509	750510	750510	750510	750510	750510	750510	750511	750511	750511
750512	750512	750512	750512	760115	760115	760115	760115	760115	760116	760116	760116
760116	760116	760116	760116	760116	760117	760117	760117	760117	760117	760117	760327
760327	760327	760327	760327	760328	760328	760328	760328	760328	760328	760328	760328

TABLE 3c

DATE COLLECTED =

570617	570902	570923	571222	571223	580321	580322	580620	580927	580928	590106	590108
590112	590128	590215	590315	590330	590830	590918	590930	591109	591110	591111	591112
591113	591114	591115	591117	591118	591125	600807	600819	610525	610608	610623	610708
610723	610807	610827	610905	610915	611027	611108	611123	611208	611223	620110	620208
620222	620308	620323	620408	620423	620508	620522	620608	620628	620709	620723	620808
620823	620907	620923	621208	621223	630108	630123	630208	630222	630308	630323	630416
630425	630523	630605	630623	630707	630724	630808	630823	630905	630922	631011	631019
650201	650206	650215	650217	650301	650308	650315	650401	650415	650501	650515	650615
650622	650715	650721	650801	650815	650901	650915	651115	651202	651216	660101	660119
660204	660205	660209	660216	660323	660410	660503	660607	660715	660802	660815	660901
660915	661001	661015	661101	661115	661116	661203	661216	670201	670301	670401	670415
670501	670515	670601	670615	670701	670715	670801	670816	670902	670918	671001	671015
671101	671115	671127	671201	671215	680101	680110	680215	680315	680401	680515	680615
680715	680815	680901	680915	681001	681015	681120	681204	681212	681218	681225	681231
690108	690113	690120	690130	690224	690310	690407	690421	690505	690519	690616	690630
690714	690728	690811	690825	690908	690923	691006	691104	691115	700102	700115	700201
700215	700303	700317	700328	700416	700502	700516	700602	700617	700702	700715	700804
700817	700903	700916	701001	701018	701104	701115	701201	701215	710101	710115	710201
710215	710301	710315	710401	710415	710501	710515	710601	710615	710715	710801	710815
710901	710915	711001	711015	711101	711115	720101	720115	720202	720215	720301	720315
720401	720415	720501	720515	720601	720615	720701	720715	720802	720815	720903	720915
721002	721019	721111	721120	721204	721220	730104	730117	730201	730215	730301	730315
730401	730415	730501	730515	730602	730615	730701	730715	730803	730816	730901	730917
731001	731015	731101	731202	740101	740115	740209	740303	740323	740402	740415	740515
740603	740615	740701	740715	740802	740817	740902	740916	741002	741017	741104	741116
741202	741215	750106	750115	750201	750215	750301	750315	750405	750415	750501	750515
750601	750615	750701	750715	750801	750815	750901	750917	751001	751016	751101	751128
751201	751215	760101	760202	760203	760205	760206					

TABLE 3d

NUMBER OF RETAINED MEASUREMENTS FOR EACH DAILY, OR ASSIGNED WEIGHT FOR AVERAGING AT 15TH OF MONTH IS

2	4	10	2	2	1	2	2	2	2	2	2	2
2	2	4	4	4	2	1	2	4	3	4	4	4
4	2	8	2	2	8	4	4	4	4	4	4	4
4	4	4	4	4	4	4	4	4	4	4	4	4
4	4	4	4	4	4	4	4	4	4	4	4	4
4	4	4	4	4	4	4	4	4	4	4	4	4
4	4	4	4	4	4	4	4	4	4	4	4	4
6	6	6	2	6	6	6	3	6	4	5	2	2
6	2	5	4	6	5	2	5	4	4	4	6	6
2	4	6	10	6	6	6	5	2	6	5	6	6
6	6	6	6	9	4	6	4	9	2	6	6	6
6	6	6	6	5	4	6	2	5	4	4	6	6
5	6	8	4	2	4	6	1	2	4	5	6	6
6	2	4	2	2	3	1	2	6	3	6	2	2
6	2	4	6	1	5	6	2	2	6	4	6	6
4	6	6	2	6	4	6	4	6	6	6	5	5
6	6	6	6	6	5	4	4	6	5	6	6	6
6	6	1	6	4	6	4	1	2	6	6	2	2
6	6	2	6	4	6	4	4	6	4	4	2	2
6	4	4	2	4	2	2	2	4	2	2	6	6
6	4	6	6	6	6	6	6	6	6	6	6	6
6	6	12	4	6	4	6	7	6	6	4	6	6
6	6	6	6	4	6	6	6	6	6	6	6	6
6	6	6	4	6	6	8	6	4	6	6	6	6
6	6	6	6	6	6	6	6	6	4	6	10	6
6	6	6	6	6	4	6	6	6	6	6	6	6
6	6	6	6	4	6	6	6	6	6	4	6	6
6	6	4	4	12	6	6	6	6	6	4	6	6

TABLE 3f

YEAR RELATIVE TO 1957 IS											
0.4600	0.6712	0.7288	0.9753	0.9781	1.2192	1.2219	1.4685	1.7397	1.7425	2.0164	2.0219
2.0329	2.0767	2.1260	2.2027	2.2438	2.6630	2.7151	2.7479	2.8575	2.8603	2.8630	2.8658
2.8685	2.8712	2.8740	2.8795	2.8822	2.9014	3.6027	3.6356	4.3973	4.4356	4.4767	4.5178
4.5589	4.6000	4.6548	4.6795	4.7068	4.8219	4.8548	4.8959	4.9370	4.9781	5.0274	5.1068
5.1452	5.1836	5.2247	5.2685	5.3096	5.3507	5.3890	5.4356	5.4904	5.5205	5.5589	5.6027
5.6438	5.6849	5.7288	5.9370	5.9781	6.0219	6.0630	6.1068	6.1452	6.1836	6.2247	6.2904
6.3151	6.3918	6.4274	6.4767	6.5151	6.5616	6.6027	6.6438	6.6795	6.7260	6.7781	6.8000
8.0877	8.1014	8.1260	8.1315	8.1644	8.1836	8.2027	8.2493	8.2877	8.3315	8.3699	8.4548
8.4740	8.5370	8.5534	8.5836	8.6219	8.6685	8.7068	8.8740	8.9205	8.9589	9.0027	9.0521
9.0959	9.0986	9.1096	9.1288	9.2247	9.2740	9.3370	9.4329	9.5370	9.5863	9.6219	9.6685
9.7068	9.7507	9.7890	9.8356	9.8740	9.8767	9.9233	9.9589	10.0877	10.1644	10.2493	10.2877
10.3315	10.3699	10.4164	10.4548	10.4986	10.5370	10.5836	10.6247	10.6712	10.7151	10.7507	10.7890
10.8356	10.8740	10.9068	10.9178	10.9562	11.0027	11.0274	11.1260	11.2055	11.2521	11.3726	11.4575
11.5397	11.6247	11.6712	11.7096	11.7534	11.7918	11.8904	11.9288	11.9507	11.9671	11.9863	12.0027
12.0219	12.0356	12.0548	12.0822	12.1507	12.1890	12.2658	12.3041	12.3425	12.3808	12.4575	12.4959
12.5342	12.5726	12.6110	12.6493	12.6877	12.7288	12.7644	12.8438	12.8740	13.0055	13.0411	13.0877
13.1260	13.1699	13.2082	13.2384	13.2904	13.3342	13.3726	13.4192	13.4603	13.5014	13.5370	13.5918
13.6274	13.6740	13.7096	13.7507	13.7973	13.8438	13.8740	13.9178	13.9562	14.0027	14.0411	14.0877
14.1260	14.1644	14.2027	14.2493	14.2877	14.3315	14.3699	14.4164	14.4548	14.5370	14.5836	14.6219
14.6685	14.7068	14.7507	14.7890	14.8356	14.8740	15.0027	15.0411	15.0904	15.1260	15.1671	15.2055
15.2521	15.2904	15.3342	15.3726	15.4192	15.4575	15.5014	15.5397	15.5890	15.6247	15.6767	15.7096
15.7562	15.8027	15.8658	15.8904	15.9288	15.9726	16.0110	16.0466	16.0877	16.1260	16.1644	16.2027
16.2493	16.2877	16.3315	16.3699	16.4192	16.4548	16.4986	16.5370	16.5890	16.6247	16.6685	16.7123
16.7507	16.7890	16.8356	16.9205	17.0027	17.0411	17.1096	17.1699	17.2247	17.2521	17.2877	17.3699
17.4219	17.4548	17.4986	17.5370	17.5863	17.6274	17.6712	17.7096	17.7534	17.7945	17.8438	17.8767
17.9205	17.9562	18.0164	18.0411	18.0877	18.1260	18.1644	18.2027	18.2603	18.2877	18.3315	18.3699
18.4164	18.4548	18.4986	18.5370	18.5836	18.6219	18.6685	18.7123	18.7507	18.7918	18.8356	18.9096
18.9178	18.9562	19.0027	19.0904	19.0932	19.0986	19.1014					

TABLE 3g

DAILY AVERAGES, 59 MANO SCALE WITH FOLLOWING CORRECTIONS:

(1) REFERENCE GAS SYSTEM DRIFT

(2) OXYGEN EFFECT, INCLUDING REDUCED PRESSURE EFFECT FOR ANALYSER AT THE STATION

(3) REDUCED PRESSURE IN ANALYSER FOR FLASKS FROM THREE DAYS IN 1957 FROM SOUTH POLE

313.95	314.11	314.59	314.98	314.98	314.88	314.58	315.08	315.86	315.91	316.12	315.51
315.70	315.58	315.64	315.69	315.54	316.63	316.70	316.74	316.97	316.96	316.96	316.91
317.11	316.65	316.80	316.68	316.68	316.67	316.96	316.77	316.96	316.84	317.07	316.97
317.21	317.35	317.60	317.94	317.57	318.18	318.42	318.64	318.42	318.25	318.15	317.97
317.88	317.75	317.70	317.69	317.86	317.75	317.92	317.98	317.87	317.82	318.06	318.17
318.39	318.63	318.78	319.31	319.19	318.93	318.58	318.50	318.48	318.21	317.98	318.65
319.03	319.08	319.12	319.14	319.22	319.11	319.47	319.07	319.09	319.48	319.82	319.96
319.48	319.23	319.09	319.00	319.22	318.97	318.94	319.04	319.00	319.23	319.44	319.79
319.27	320.19	319.98	319.88	320.05	320.65	320.55	320.69	320.69	320.66	320.95	320.69
320.54	320.54	320.51	320.20	320.34	320.54	320.63	320.72	321.19	321.08	321.38	321.56
321.65	321.76	321.65	321.91	321.87	322.06	321.59	321.42	321.39	321.11	321.16	321.05
321.22	321.26	321.21	321.16	321.41	321.40	321.80	322.13	322.16	322.41	322.17	322.13
322.16	322.27	322.31	322.11	322.28	322.03	321.99	322.22	321.99	321.91	321.82	321.80
321.88	322.22	321.83	321.70	321.86	322.11	323.27	323.27	322.83	323.14	322.80	323.06
322.81	322.82	322.76	322.65	322.70	321.83	321.98	322.58	322.38	322.20	322.33	322.59
322.90	322.94	323.14	323.38	323.56	323.91	323.67	323.52	323.69	323.94	323.85	323.95
323.93	323.69	323.84	323.74	324.06	324.09	324.07	324.38	324.57	324.69	324.76	324.85
325.20	325.45	325.73	325.55	325.50	325.52	325.58	326.06	325.72	325.36	325.17	325.42
325.02	324.76	324.84	324.83	324.90	325.16	325.08	325.19	325.35	325.56	325.63	326.05
326.04	326.20	326.03	326.32	326.17	326.66	326.16	326.56	326.16	325.55	325.51	325.41
325.43	325.53	325.55	325.65	325.91	326.29	326.59	326.13	325.54	327.14	326.82	326.79
327.05	325.62	327.15	327.44	327.16	327.03	327.09	327.15	326.46	326.61	326.63	326.63
326.87	327.18	327.28	327.35	327.55	327.67	327.78	327.96	328.63	328.47	328.81	328.89
328.84	328.81	328.85	328.87	328.67	328.46	328.35	328.17	328.07	327.91	328.06	328.05
327.91	327.85	328.37	328.48	328.56	328.75	328.93	328.91	329.03	329.07	329.29	329.07
329.08	328.98	328.90	328.97	328.96	328.88	328.85	328.84	328.89	328.90	328.95	328.81
328.94	329.06	329.20	329.28	329.58	329.81	330.04	330.24	330.34	330.64	330.44	330.35
330.19	330.29	330.32	330.06	330.06	330.09	329.96					

TABLE 3h

DAILY CORRECTED AVERAGES (74MAN0) ARE

313.57	313.74	314.21	314.60	314.60	314.50	314.21	314.70	315.48	315.53	315.75	315.14
315.32	315.21	315.27	315.31	315.17	316.25	316.32	316.36	316.60	316.59	316.59	316.54
316.74	316.27	316.43	316.30	316.30	316.29	316.59	316.39	316.58	316.46	316.70	316.60
316.84	316.98	317.23	317.57	317.20	317.81	318.06	318.27	318.05	317.88	317.78	317.60
317.51	317.38	317.33	317.32	317.49	317.38	317.55	317.61	317.51	317.45	317.69	317.81
318.02	318.26	318.42	318.95	318.83	318.57	318.21	318.13	318.12	317.84	317.61	318.29
318.67	318.72	318.76	318.78	318.86	318.75	319.11	318.71	318.73	319.12	319.46	319.61
319.13	318.87	318.73	318.64	318.86	318.61	318.58	318.68	318.64	318.87	319.08	319.43
318.91	319.84	319.62	319.53	319.69	320.31	320.20	320.34	320.34	320.31	320.61	320.34
320.19	320.19	320.16	319.84	319.99	320.19	320.28	320.38	320.85	320.73	321.04	321.23
321.32	321.43	321.32	321.57	321.54	321.73	321.25	321.08	321.05	320.77	321.82	320.71
320.88	320.91	320.87	320.82	321.07	321.06	321.47	321.80	321.83	322.08	321.84	321.80
321.83	321.94	321.98	321.78	321.95	321.70	321.66	321.89	321.66	321.57	321.48	321.46
321.54	321.89	321.49	321.36	321.53	321.78	322.96	322.96	322.51	322.83	322.48	322.75
322.48	322.50	322.44	322.33	322.38	321.50	321.65	322.26	322.05	321.88	322.00	322.27
322.58	322.63	322.82	323.07	323.25	323.60	323.37	323.21	323.39	323.63	323.55	323.65
323.63	323.58	323.53	323.43	323.76	323.79	323.77	324.09	324.28	324.40	324.47	324.56
324.93	325.17	325.46	325.28	325.23	325.25	325.31	325.80	325.45	325.09	324.89	325.14
324.74	324.47	324.55	324.54	324.62	324.88	324.80	324.92	325.07	325.29	325.36	325.79
325.78	325.94	325.77	326.06	325.91	326.42	325.90	326.32	325.90	325.28	325.24	325.14
325.16	325.26	325.28	325.28	325.64	326.04	326.34	325.87	325.27	326.91	326.57	326.54
326.81	325.35	326.91	327.21	326.92	326.79	326.85	326.91	326.21	326.36	326.38	326.38
326.63	326.94	327.05	327.12	327.33	327.45	327.55	327.74	328.43	328.27	328.61	328.70
328.65	328.61	328.66	328.68	328.47	328.26	328.15	327.96	327.86	327.69	327.85	327.84
327.69	327.63	328.16	328.28	328.36	328.56	328.74	328.72	328.85	328.88	329.11	328.88
328.89	328.80	328.71	328.79	328.77	328.69	328.66	328.65	328.70	328.71	328.76	328.62
328.74	328.87	329.02	329.10	329.41	329.64	329.88	330.09	330.19	330.50	330.30	330.20
330.04	330.14	330.17	329.90	329.90	329.93	329.80					