A Technical Memorandum ERL CMDL-1

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

# ATMOSPHERIC METHANE DATA FOR THE PERIOD 1983-1985 FROM THE NOAA/GMCC GLOBAL COOPERATIVE FLASK SAMPLING NETWORK

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## FOREWORD

This Technical Memorandum supplements and extends the description of the flask sampling program operated by the Geophysical Monitoring for Climatic Change (GMCC) division of the National Oceanic and Atmospheric Administration (NOAA) for the measurement of atmospheric methane concentrations. Other details of this program can be found in the paper "The global distribution of methane in the troposphere" by L.P. Steele, P.J. Fraser, R.A. Rasmussen, M.A.K. Khalil, T.J. Conway, A.J. Crawford, R.H. Gammon, K.A. Masarie, and K.W. Thoning which was published in the *Journal of Atmospheric Chemistry*, Volume 5, 1987, pp. 125-171. The monthly average methane concentrations which are tabulated in this memorandum may be obtained as an ASCII file on a DOS formatted 5.25 inch floppy disc by writing to:

Dr. Pieter Tans
Carbon Cycle Group
NOAA/ERL/GMCC (R/E/CG1)
U.S. Department of Commerce
325 Broadway
Boulder, Colorado 80303
U.S.A.

The monthly average methane concentrations may also be obtained from:

Oak Ridge National Laboratory
Attention: Carbon Dioxide Information Analysis Center, Building 1000
P.O. Box 2008
Oak Ridge, Tennessee 37831-6335
U.S.A.

# CONTENTS

# Atmospheric Methane Data for the Period 1983 - 1985 from the NOAA/GMCC Global Cooperative Flask Sampling Network

Patricia M. Lang, L. Paul Steele, Russell C. Martin, and Ken A. Masarie

**ABSTRACT.** This report presents details of relevant aspects of the NOAA/GMCC program to measure atmospheric methane concentrations through its global, cooperative, flask sampling network. These aspects include the history of the development of the program; details of the sampling network; the flasks and the flask sampling methods; the analytical instrumentation and methods; and the calibration gases and methods. The data from individual flask samples are tabulated, as are the monthly average methane concentrations.

## 1. Introduction

Methane ($CH_4$) is an important trace species in the Earth's atmosphere since it is active both chemically (see *Logan et al.*, 1981) and radiatively (*Ramanathan et al.*, 1985). Over the past decade it has become recognized that the concentration of atmospheric methane is rising rapidly. This result has emerged principally through the direct analysis of air samples by the technique of gas chromatography (GC) with flame ionization detection (FID), and several investigators have published such findings (see, for example, *Blake and Rowland*, 1988; *Steele et al.*, 1987; *Fraser et al.*, 1986; *Khalil and Rasmussen*, 1983). A careful analysis of infrared solar spectra recorded at Jungfraujoch in the Swiss Alps has provided convincing evidence that the vertical column abundance of atmospheric methane gas increased at 0.7 ± 0.1% per year during the period 1951-1986 (*Zander et al.*, 1989).

By the analysis of air bubbles trapped in the ice sheets of both Greenland and Antarctica, atmospheric methane variations have been revealed on time scales extending back as far as 160,000 years before present (*Raynaud et al.*, 1988; *Stauffer et al.*, 1988; *Etheridge et al.*, 1988; *Rasmussen and Khalil*, 1984). This ice core work clearly indicates that present day concentrations of atmospheric methane are more than double those of the pre-industrial era.

The purpose of this report is to tabulate the data and to document the relevant aspects of the NOAA/GMCC program to measure atmospheric methane by global flask sampling. It is intended to supplement the information already provided in *Steele et al.* (1987). Through adequate documentation it is more likely that the full value of these methane measurements will be realized in long-term studies of the greenhouse effect and climate change.

## 2. Development of the Program

The NOAA/GMCC methane program had its origins with Dr. Paul Fraser of the Commonwealth Scientific and Industrial Research Organisation (CSIRO) of Australia. Starting in November 1982 he spent a year's sabbatical from CSIRO's Division of Atmospheric Research with NOAA/GMCC laboratories as a Research Associate in the Cooperative Institute for Research in Environmental Sciences (CIRES). During that time he took delivery of a Carle model 211-M (Series S) gas chromatograph (GC) fitted with a flame ionization detector (FID). This GC system was provided to him by Dr. Rei Rasmussen of the Oregon Graduate Center (OGC) in Beaverton, Oregon.

At that time NOAA/GMCC already had an extensive global network of flask sampling sites which was being used to collect pairs of pressurized air samples for analysis of carbon dioxide ($CO_2$) (see *Komhyr et al.*,1985). In early 1983 the NOAA/GMCC $CO_2$ program came under the direction of Dr. Richard Gammon. Since a GC analysis for methane requires only a small volume of air, Dr. Fraser suggested to Dr. Gammon that an experiment be tried whereby the pressurized glass flasks would be first analyzed for methane, and then subsequently for $CO_2$. Dr. Gammon agreed to such an experiment. To verify that the methane analysis could be done successfully without introducing any bias or contamination for the subsequent $CO_2$ analysis, the experiment was tried on flasks from only a few sites, and the methane analysis was done on only one member of each flask pair. Subsequently both members of the flask pair were analyzed for $CO_2$. The experiment was a success, showing that both methane and $CO_2$ concentrations could be obtained reliably from the same flask sample. For a methane calibration scale an internally electropolished stainless steel cylinder filled to ~3000 kPa with natural air (see *Rasmussen and Lovelock*, 1983) was purchased from Dr. Rasmussen, who provided a methane concentration for this air sample. For flask samples analyzed prior to December 1983 the chromatograms were plotted and the peaks quantified with a Spectra-Physics SP4100 computing integrator made available by NOAA/GMCC. At an early stage in this development process Dr. Paul Steele became involved, writing software for the integrator, analyzing flasks, and processing the methane concentration data. At this time Dr. Steele was a National Research Council (NRC) Research Associate in NOAA/GMCC.

The methane measurements on flask samples began in April 1983. It quickly became clear that very valuable information about the global distribution of atmospheric methane could be obtained by the continuation of the program that Dr. Fraser had initiated. In November 1983 Dr. Fraser returned to Australia and took his Carle GC with him. The flask methane measurements continued without interruption when a similar model GC (Carle 211-M, Series S) was provided on loan to NOAA/GMCC by Dr. Rasmussen of OGC, together with a Hewlett-Packard (HP) model 3390A integrator. After the departure of Dr. Fraser from NOAA/GMCC, the day-to-day running of the methane program was assumed by Dr. Steele who gradually introduced improvements and modifications to this GC system. In July 1984 a newer model HP 3392A integrator was purchased by NOAA/GMCC and was used to replace the 3390A model. Then in October 1984 an HP-85B computer was interfaced to the 3392A integrator to allow automated data acquisition of all chromatogram reports. Mr. Kirk Thoning (CIRES) was responsible for developing the HP-85B software which allowed the data acquisition as well as real-time calculation of the methane concentrations during flask analysis. The 3390A integrator was returned to Dr. Rasmussen in February 1985. In August 1985 NOAA/GMCC purchased and began using a Hach-Carle Series 400 automated gas chromatograph (model number 04270-A). These newer GC's had an identical column arrangement to the earlier 211-MS models, but had a microprocessor controller rather than a drum timer for controlling the switching of the valves. The Carle 211-MS GC system was returned to Dr. Rasmussen in October 1985.

Beginning in December 1983 Mr. Thomas Conway of NOAA/GMCC contributed by both analyzing flask samples and doing repair and maintenance work on the gas chromatograph. In October 1984 Mr. Ken Masarie (CIRES) joined the program to be responsible for much of the flask analysis and data processing. This joint work culminated in a paper published in the *Journal of Atmospheric Chemistry* which describes the first 2 years of the project (*Steele et al.*, 1987).

## 3. Details of Flask Sampling

A comprehensive description of our flask sampling procedures has been given by *Steele et al.* (1987). Since then some modifications have been made, and the purpose of this section is to document these changes and to give some additional details. The sampling sites used during 1983-1985 are given in Table 1, and their locations are also shown in Figure 1.

Most of the flasks used in the sampling network during 1983-1985 were 0.5-L glass flasks fitted with two solid-plug, ground-glass stopcocks. Other types of flasks were also used, and for each sample the type of flask was always recorded in the data base. In Appendix A we provide a code which indicates the type of flask used for every sample. The key to this code is given in Table 2. The 5-L glass flasks (code 0) were used only at the CHR site for a brief period, and were provided to us through the courtesy of Dr. C.D. Keeling of the Scripps Institution of Oceanography. Both the 5-L (code 0) and the 3-L (code 5) flasks were covered on the outside with off-white adhesive tape (Johnson and Johnson ZONAS type) to provide some safety in the event of an accidental breakage. The 0.5-L flasks had no such covering.

A variety of methods have been used to collect the air samples. The collection method used for every flask sample is given by a code in the tabulations of Appendix A. The key to this code is provided in Table 3.

## 4. Analytical and Calibration Procedures

Over the period 1983-1985 we have used four different gas chromatographic systems to analyze the flask samples for methane. Some details of the first two of these systems have been presented previously by *Steele et al.* (1987). In order to document as completely as possible the record of atmospheric methane measurements, we include in the tabulations of Appendix A a code which identifies the gas chromatographic system used in the analysis of every flask sample. In Table 4 we show the salient features of the gas chromatographic systems, and their periods of use, together with the appropriate codes used in Appendix A. It is clear from Table 4 that for flask analysis none of the GC systems operated in parallel with each other. Thus the date on which any sample was analyzed (the analysis date, also given in Appendix A) uniquely determined the GC system that was used for the analysis.

The basic features of the gas chromatographic technique have been described in the appendix to *Rasmussen and Khalil* (1981). This appendix is available on microfiche from the American Geophysical Union (see *Rasmussen and Khalil*, 1981, for ordering details).

Whenever possible we analyze two aliquots from each flask sample, therefore we have an inherent measure of the precision of the methane concentrations determined. Whenever this difference in concentration between the first and second aliquot is available it is included in the tabulations of Appendix A. The summary statistics of these first aliquot minus second aliquot

Table 1.--Flask Sampling Sites Used During 1983-1985

| Site Code | Site Location | Country | LST to GMT* | Latitude | Longitude | Elevation (m)+ |
|---|---|---|---|---|---|---|
| ALT | Alert, N.W.T. | Canada | + 9 | 82°27' N | 62°31' W | 6 |
| AMS | Amsterdam Island | France | - 5 | 37°57' S | 77°32' E | 150 |
| ASC | Ascension Island | U.K. | + 1 | 07°55' S | 14°25' W | 54 |
| AVI | St. Croix, Virgin Islands | U.S. Territory | + 4 | 17°45' N | 64°45' W | 3 |
| AZR | Azores (Terceira Island) | Portugal | + 1 | 38°45' N | 27°05' W | 30 |
| BRW | Point Barrow, Alaska | U.S.A. | + 9 | 71°19' N | 156°36' W | 11 |
| CBA | Cold Bay, Alaska | U.S.A. | + 9 | 55°12' N | 162°43' W | 25 |
| CGO | Cape Grim, Tasmania | Australia | -10 | 40°41' S | 144°44' E | 94 |
| CHR | Christmas Island | Kiribati | +10 | 02°00' N | 157°19' W | 3 |
| CMO | Cape Meares, Oregon | U.S.A. | + 8 | 45°00' N | 124°00' W | 30 |
| GMI | Guam (Mariana Islands) | U.S. Territory | -10 | 13°26' N | 144°47' E | 2 |
| HBA | Halley Bay | Antarctica | + 2 | 75°40' S | 25°30' W | 10 |
| KEY | Key Biscayne, Florida | U.S.A. | + 5 | 24°40' N | 80°12' W | 3 |
| KPA | Kitt Peak, Arizona | U.S.A. | + 7 | 32°00' N | 112°00' W | 2083 |
| KUM | Cape Kumukahi, Hawaii | U.S.A. | +10 | 19°31' N | 154°49' W | 3 |
| MBC | Mould Bay, N.W.T. | Canada | +10 | 76°14' N | 119°20' W | 15 |
| MCM | McMurdo Station | Antarctica | -12 | 77°50' S | 166°36' E | 11 |
| MID | Sand Island, Midway | U.S. Territory | +11 | 28°13' N | 177°22' W | 4 |
| MLO | Mauna Loa, Hawaii | U.S.A. | +10 | 19°32' N | 155°35' W | 3397 |
| NWR | Niwot Ridge, Colorado | U.S.A. | + 7 | 40°03' N | 105°38' W | 3749 |
| NZL | Kaitorete Spit | New Zealand | -12 | 43°50' S | 112°38' E | 3 |
| OPW | Olympic Peninsula, Washington | U.S.A. | + 8 | 48°15' N | 124°45' W | 2 & 488 |
| PSA | Palmer Station (Anvers Island) | Antarctica | + 3 | 64°55' S | 64°00' W | 10 |
| SEY | Seychelles (Mahe Island) | Seychelles | - 4 | 04°40' S | 55°10' E | 3 |
| SHM | Shemya Island, Alaska | U.S.A. | +10 | 52°43' N | 174°06' E | 40 |
| SIO | Scripps Institution, California | U.S.A. | + 8 | 32°50' N | 117°16' W | 14 |
| SMO | Matatula Point, Samoa | U.S. Territory | +11 | 14°15' S | 170°34' W | 42 |
| SPO | Amundsen Scott (South Pole) | Antarctica | -12 | 89°59' S | 24°48' W | 2810 |
| STM | Ocean Station "M" | North Atlantic | 0 | 66°00' N | 02°00' E | 4.5 - 9 |

* The numbers in this column give the conversion (in hours) between Local Standard Time (LST) and Greenwich Mean Time (GMT), eg. at ALT to convert from LST to GMT, <u>add</u> 9 hours to LST.

\+ Elevation above mean sea level

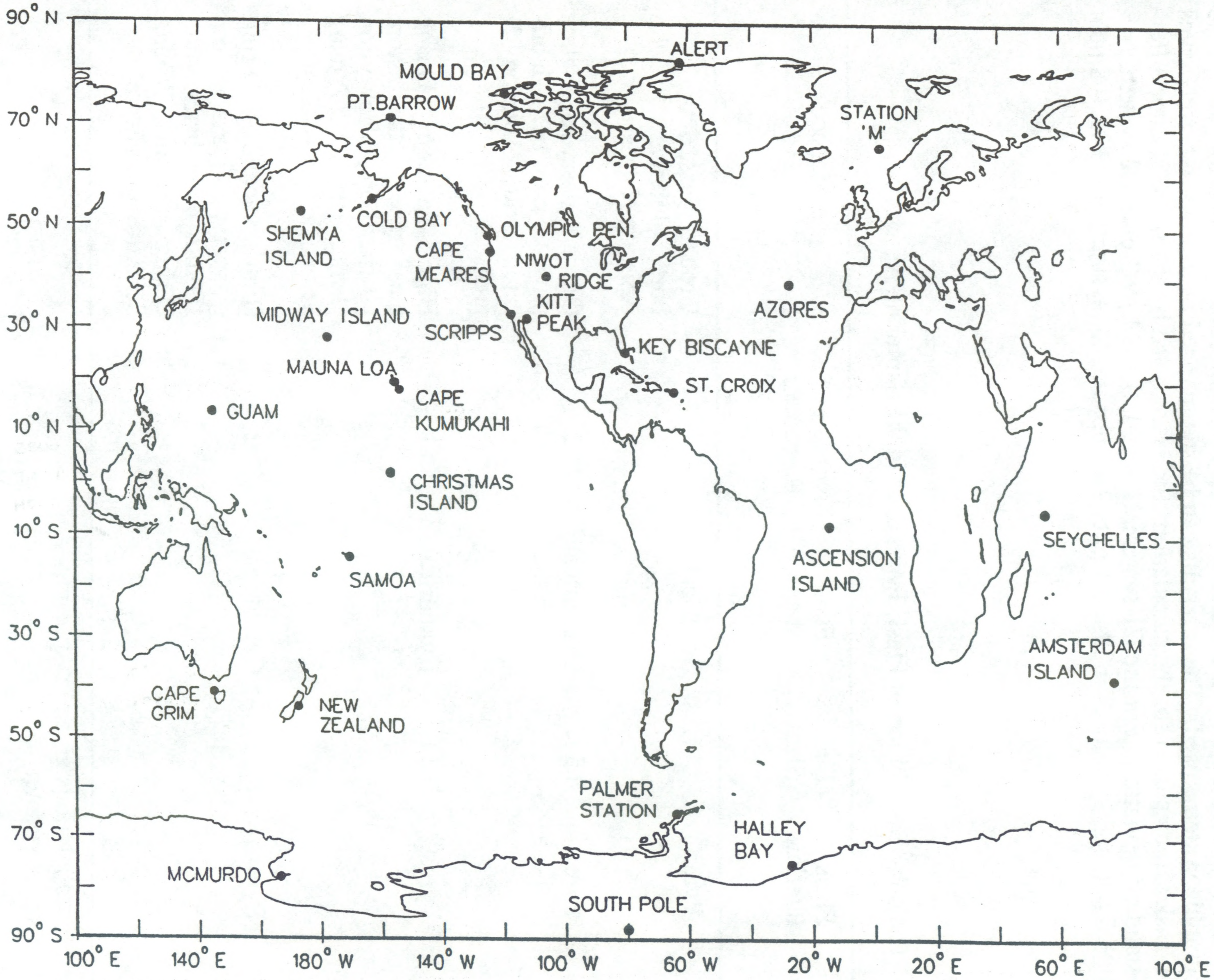


Figure 1. Map showing the location of those flask sampling sites used during 1983 - 1985 for the collection of air samples which were analyzed for atmospheric methane concentration.

values are given for each site in Table 5. From all sites, at least two aliquots were analyzed for 2271 flasks. From this we calculate a mean value of first minus second aliquot concentration of 0.3 ppb, and a standard deviation of 4.6 ppb. This corresponds to an average precision level of better than 0.3%. However, there were differences in the precision levels attained for each of the gas chromatographic systems used. These results can be summarized as follows, where N gives the number of flask samples used for the calculation, and is followed by the mean aliquot difference and the standard deviation. For the C1 system, N = 294, 0.1 ppb, 9.3 ppb; C2 system, N = 1478, 0.3 ppb, 3.6 ppb; C3 system, N = 394, 0.1 ppb, 2.4 ppb; and C4 system, N = 105, 0.8 ppb, 4.5 ppb.

Table 2.--Description of Flask Types used in the Sampling Network

| Code Used For Flask Type* | Flask Material | Flask Size+ | Flask Shape | Number of Stopcocks | Stopcock Type |
|---|---|---|---|---|---|
| 0 | Pyrex | 5 L | Spherical | 1 | Ground glass, 6 mm glass bore lubricated with Apiezon N grease |
| 1 | Pyrex | 0.5 L | Cylindrical | 2 | Ground glass, solid glass plug, 3 mm bore, lubricated with Apiezon N grease |
| 5 | Pyrex | 3 L | Cylindrical | 1 | High vacuum, O-ring glass type, glass piston, 10 mm bore, black viton O-ring (from J. Young Scientific Glassware) |
| 7 | Pyrex | 0.5 L | Cylindrical | 2 | High vacuum, O-ring glass type, glass piston, 10 mm bore, black viton O-ring (from Young Scientific Glassware) |

* Code is used for tabulations given in Appendix A.
+ Flask sizes are approximate.

Another statistic that we calculate is the time between when flask samples are collected at each site and when they are analyzed for methane. This information is shown for each site in Table 6. Some sites have very short average storage times (less than 2 weeks). Others have average storage times that exceed six months because of the geographical location of the sites.

In the tabulations of Appendix A only those flask samples that were properly collected and analyzed are included. Table 7 shows the statistics on the number of unacceptable flask samples for each site. Over the 3-year period 2841 flask pairs were collected, and 402 (14.2%) were classified as unacceptable. This may seem at first glance to be a significant percentage, but closer examination reveals that of the 402 unacceptable flasks, 195 (48.5%) are from only four sites (HBA, SMO, SPO, and PSA). At HBA the flask sampling instructions were not properly followed for significant periods of time. The samples were collected from an open roof hatch,

Table 3.--Description of Sample Collection Methods used in the Sampling Network

| Code Used for Collection Method* | Description of Collection Method |
|---|---|
| P | Portable, battery-powered, suitcase sampler. Two flasks normally connected in series, flushed with air, and then pressurized to 1.25-1.5 times ambient atmospheric pressure (see *Komhyr et al.*, 1985). |
| T | Filling of evacuated 3-L glass flask by opening the single O-ring stopcock (see *Steele et al.*, 1987, for more details). |
| S | Filling of 0.5-L glass flasks (in pairs) at the NOAA/GMCC observatory sites. Flasks are filled and pressurized by diverting air from the continuous in-situ $CO_2$ analysis system (see *Komhyr and Harris*, 1977; *Komhyr*, 1983; *Komhyr et al.*, 1989). |
| N | Filling and pressurizing of 0.5-L glass flasks (in pairs) by a pump system different from that supplied by NOAA/GMCC. In most cases (eg. at NWR and CGO) the pump is a Metal Bellows pump. In addition, the flasks filled by this method at the Cape Grim Baseline Air Pollution Station (site code CGO) are filled with air that has been dried chemically (see *Steele et al.*, 1987). |
| F | Filling of an evacuated 5-L glass flask by opening the single, ground-glass, greased stopcock (see *Steele et al.*, 1987 for more details). |

* Code is used for tabulations given in Appendix A.

thus frequently contaminating them with $CO_2$ levels in excess of 500 ppm. At SPO the high altitude and cold temperatures contributed to a lack of adequate pressurization in many of the flasks. Samples with insufficient overpressure cannot be analyzed for $CH_4$ on our GC system. At SMO excessive exposure of some flasks to direct sunlight caused contamination of the samples. For PSA some samples were collected downwind of the settlement, resulting in contamination from local activities. In most cases the decision that a flask sample was unacceptable was straightforward and unambiguous, being largely based on information provided by the sample taker on the flask sampling sheet.

The number of reasons that we have identified as leading to unacceptable flask samples is large. Following is a list that includes the more common problems we have encountered. The order of appearance in the list does not indicate the frequency at which the problem occurred.

Table 4.--Description of Gas Chromatographic Systems Used for Methane Analysis

| Code Used for GC System* | Period of Use | Basic Configuration of GC System |
|---|---|---|
| C1 | 27 APR 83 - 13 NOV 83 | Carle 211-M, series S GC, Spectra-Physics SP4100 integrator, Carle Model 2026 8-port stream selection valve. |
| C2 | 07 DEC 83 - 05 AUG 85 | Carle 211-M, series S GC, Hewlett-Packard 3390A and 3392A integrators, Carle model 2026 8-port stream selection valve. Hewlett-Packard 85-B computer (after October 1984). |
| C3 | 12 AUG 85 - 12 JAN 86 | Hach-Carle series 400, model 04270-A GC, Hewlett-Packard 3392A integrator, Hach-Carle model 2026 8-port stream selection valve, Hewlett-Packard 85-B computer. |
| C4 | 24 JAN 86 - 16 SEP 86 | Hach-Carle series 400 GC, basic model 04270-A but configured without a methanizer and to backflush $CO_2$ from the silica gel column. Hewlett-Packard 3392A integrator, Hach-Carle model 2026 8-port stream selection valve, Hewlett-Packard 85-B computer. |

* Code is used for tabulations given in Appendix A.

Table 5.--Summary Statistics for the Precision of Methane Concentration

| Site Code | Number of Flasks with at least 2 Aliquots | Mean Value of First-Second Aliquot Concentration (ppb) | Sample Standard Deviation of Mean (ppb) |
|---|---|---|---|
| ALT | 21 | .3 | 2.7 |
| AMS | 92 | -.5 | 4.7 |
| ASC | 130 | .8 | 5.0 |
| AVI | 101 | 0.0 | 4.6 |
| AZR | 60 | 1.0 | 5.0 |
| BRW | 158 | .2 | 4.6 |
| CBA | 106 | -.1 | 5.3 |
| CGO | 89 | .3 | 3.0 |
| CHR | 64 | -.6 | 3.1 |
| CMO | 104 | .5 | 5.2 |
| GMI | 108 | .5 | 4.8 |
| HBA | 59 | 1.8 | 3.1 |
| KEY | 83 | .4 | 3.0 |
| KPA | 25 | .8 | 9.7 |
| KUM | 98 | .6 | 3.9 |
| MBC | 129 | .7 | 3.7 |
| MCM | 1 | 4.5 | |
| MID | 36 | .5 | 1.7 |
| MLO | 113 | -.1 | 5.3 |
| NWR | 97 | -.6 | 3.8 |
| NZL | 72 | -.1 | 5.2 |
| OPW | 6 | .3 | 2.1 |
| PSA | 101 | -.4 | 5.6 |
| SEY | 82 | .1 | 5.8 |
| SHM | 14 | -.8 | 3.0 |
| SIO | 14 | .5 | 1.9 |
| SMO | 99 | .9 | 5.3 |
| SPO | 85 | .4 | 3.9 |
| STM | 125 | .7 | 4.4 |

Table 6.--Summary Statistics for the Duration Between Flask Sampling and Flask Analysis

| Site Code | Mean Duration (Days) | Median Duration (Days) | Minimum and Maximum Duration (Days) |
|---|---|---|---|
| ALT | 38 | 36 | 19 - 64 |
| AMS | 293 | 297 | 163-414 |
| ASC | 14 | 12 | 5 - 43 |
| AVI | 12 | 12 | 3 - 36 |
| AZR | 19 | 17 | 4 - 57 |
| BRW | 11 | 10 | 2 - 28 |
| CBA | 10 | 8 | 2 - 31 |
| CGO | 46 | 44 | 22 - 84 |
| CHR | 28 | 26 | 8 - 71 |
| CMO | 12 | 11 | 3 - 39 |
| GMI | 17 | 15 | 3 - 43 |
| HBA | 428 | 442 | 226 - 638 |
| KEY | 13 | 10 | 3 - 33 |
| KPA | 18 | 12 | 4 - 105 |
| KUM | 12 | 9 | 1 - 39 |
| MBC | 49 | 44 | 15 - 149 |
| MCM | 84 | | |
| MID | 18 | 16 | 7 - 39 |
| MLO | 9 | 7 | 1 - 34 |
| NWR | 9 | 8 | 1 - 38 |
| NZL | 17 | 15 | 5 - 45 |
| OPW | 11 | 7 | 7 - 17 |
| PSA | 226 | 212 | 92 - 457 |
| SEY | 32 | 25 | 5 - 139 |
| SHM | 18 | 15 | 5 - 34 |
| SIO | 8 | 9 | 4 - 12 |
| SMO | 12 | 11 | 3 - 50 |
| SPO | 169 | 156 | 11 - 348 |
| STM | 44 | 37 | 10 - 264 |

Table 7.--Flask Sampling Statistics During 1983 - 1985

| Site Code | Total Number of Flasks* | Number of Unacceptable Flasks | Percent of Unacceptable Flasks |
|---|---|---|---|
| ALT | 25 | 3 | 12 |
| AMS | 129 | 25 | 19 |
| ASC | 142 | 7 | 5 |
| AVI | 129 | 15 | 12 |
| AZR | 68 | 4 | 6 |
| BRW | 163 | 5 | 3 |
| CBA | 122 | 13 | 11 |
| CGO | 97 | 8 | 8 |
| CHR | 82 | 3 | 4 |
| CMO | 126 | 19 | 15 |
| GMI | 118 | 5 | 4 |
| HBA | 135 | 73 | 54 |
| KEY | 102 | 15 | 15 |
| KPA | 27 | 1 | 4 |
| KUM | 113 | 5 | 4 |
| MBC | 138 | 4 | 3 |
| MCM | 1 | 0 | 0 |
| MID | 44 | 6 | 14 |
| MLO | 139 | 13 | 9 |
| NWR | 132 | 27 | 20 |
| NZL | 102 | 11 | 11 |
| OPW | 6 | 0 | 0 |
| PSA | 146 | 34 | 23 |
| SEY | 95 | 8 | 8 |
| SHM | 16 | 2 | 13 |
| SIO | 18 | 4 | 22 |
| SMO | 154 | 47 | 31 |
| SPO | 140 | 41 | 29 |
| STM | 133 | 4 | 3 |

* Methane analysis was attempted.

- Flask samples were collected using the portable sampler either from within a building or outside the building but too close to it.
- Flask samples were not adequately pressurized. This situation could arise in several ways: the flask leaked after pressurization, but before analysis; the flask stopcocks were closed in the wrong sequence during the collection of the sample; the flask stopcocks were not closed at all; the batteries of the portable sampler were not adequately charged; the pump of the portable sampler was beginning to fail; the standard taper joints of the flasks were not lubricated adequately; the standard taper joints were dirty so that they did not seal properly; or insufficient time was allowed for the pump to pressurize the flasks.
- Flask samples were not collected at all. In other words, flasks were returned to Boulder still containing the dry fill gas that they left Boulder with.
- Flask samples were contaminated by improper handling such as excessive exposure to sunlight.
- Flask samples were collected at a time different to that given on the sample sheet. In other words the sample sheet was deliberately falsified.
- Flask samples were contaminated by a leak in the sampling stack. This problem only applied to those sites where this type of sampling was carried out (CGO, NWR, SMO, and SPO), and the flasks were subsequently analyzed for methane.
- Flask samples were not reliable because of inadequate flushing of the flasks prior to pressurization. In other words the fill gas was not fully flushed from the flasks.
- Flask samples were contaminated during collection when the wind direction was such to bring air from a known local source.
- Flask samples were contaminated by local sources when the samples were collected during calm winds conditions.

For the period of data presented in this report only two tanks of calibration gas were used. Both were purchased from Dr. Rasmussen, and both were natural air contained in internally electropolished stainless steel cylinders (*Rasmussen and Lovelock*, 1983). These natural air standards were assigned methane concentrations by Dr. Rasmussen. The relevant details of these two standards are shown in Table 8. Over the period of this work both cylinders were frequently checked against each other, and no relative changes in concentration were found. The particular calibration tank that was used for the analysis of any flask sample can be deduced from the value appearing in the "Analysis Date" column in Appendix A, and the starting and ending dates for each calibration cylinder given in Table 8. For example, any flask analysis date falling in the period 27 APR 83 - 10 JUN 85 indicates that the flask was analyzed with O-245 as the calibration tank.

Table 8.--Calibration Standards Used for Methane Flask Analysis

| Cylinder Number | $CH_4$ Concentration (ppb) | Starting Analysis Date | Ending Analysis Date |
|---|---|---|---|
| O-245 | 1653.0 | 27 APR 83 | 10 JUN 85 |
| O-259 | 1676.0 | 11 JUN 85 | 24 MAR 87 |

## Acknowledgements

The diligent efforts of the personnel at all of the flask sampling sites are greatly appreciated. The logistics of the flask sampling network have been capably managed by Lee Waterman of NOAA/GMCC. We thank the other members of the Carbon Cycle group of NOAA/GMCC for many useful comments on an earlier draft of this memorandum.

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## Appendix A
## Tabulation of Methane Concentrations from Individual Flask Samples

In this appendix we tabulate the relevant details of the sampling and analysis of individual flask samples. The results are presented separately for each site. The sites are arranged alphabetically by the 3-letter site code (see Table 1 for a full listing). The column headings are largely self-explanatory, but for clarity we provide the following additional information.

For each site the data are ordered chronologically by sample date, and if necessary, sample time. For internal consistency all sample dates and all sample times are given in Greenwich Mean Time (GMT). The convention we adopt for specifying dates is "day-month-year" with the month given by the first three letters of the month's name. This avoids any possibility of ambiguity. For the year we specify only the last two digits eg. 1985 is given only as 85. The sample time is given in the 24-hour clock convention, to the nearest minute. On those occasions when a sample date was provided by the sample taker, but a sample time was not, a default value of 9999 was entered for the sample time. In general, the filling of the flasks was not instantaneous, and so the sample taker would usually provide the beginning and ending time for the sampling period. At most this sampling period was a few minutes. The convention we adopt for these tabulations in that the sample time given is the beginning of the sampling period.

For most of the flask samples, two separate aliquots are analyzed, and a methane concentration is generated for each aliquot. The number of separate aliquots analyzed is given in the fifth column. The mean methane concentration that we report for each flask sample (third column) is the arithmetic mean of the values obtained for each separate aliquot. An indication of the analytical precision is given in the fourth column, where we report, wherever possible, the difference in methane concentration between the first and second aliquots. This concentration difference is always calculated as first minus second aliquot. The mean methane concentration is given to the nearest 0.1 ppb. Prior to installation of the HP 85B computer (data acquisition system) on October 16, 1984, the (first - second) aliquot values are given only to the nearest 1 ppb. After this analysis date the (first - second) aliquot values are given to the nearest 0.1 ppb. This is done to retain enough significant digits for any further processing, or any future reprocessing, of these data.

The flask I.D. given in column 6 is the identifying number assigned to the flask. It is included here principally to aid in the future merging of these methane data with the carbon dioxide concentrations found in these same flasks by a non-dispersive infrared technique. The flask type (column 7) specifies the particular type of flask used for each air sample. It is given by a code number, as described in Table 2.

The collection method (column 8) refers to the method used to fill the flask with an air sample. It is given by a code letter, and the code is described in Table 3.

Since several different gas chromatographs have been used during the course of this work, we include a specification of the gas chromatograph used for the analysis of each sample. This is given by a code in column 9. A full description of the meaning of the code is given in Table 4.

The analysis date (column 10) is the date on which the flask sample was analyzed for its methane concentration. We use the same convention as for the sample date, except that the analysis date is based upon local time in Boulder, Colorado rather than GMT. In some instances a flask sample was analyzed on more than one occasion. When this occurred the results of each analysis occasion are included separately in the tabulation. An example of this can be seen for the ASC site, when the flask with the sample date of 16 FEB 84 was analyzed on both 05 MAR 84 and 29 MAR 84.

Finally, the column headed as "flag" (column 11) is used to identify those flask samples which we believe to be "non-background". Such non-background samples are identified with a + symbol in this column. For most sites, very few samples are identified as non-background. One of the most common criteria for considering a sample to be non-background is that the wind direction is outside some specified sector at the time of sampling.

As a final note, we point out that these tabulations do not include methane data that were judged to be unacceptable. For example, any flask sample that was not collected according to specified guidelines was classified as unacceptable. The failure of sample takers to follow specified guidelines when collecting samples accounted for the large majority of unacceptable samples. In most cases the information provided by the sample takers themselves was used as the basis for deciding whether specified guidelines were followed or not.

Sometimes a flask sample could be collected correctly, but during analysis for methane one of the individual aliquots would be classified as unacceptable because of an unscheduled interruption to the analysis cycle. An example of such an interruption was the occasional loss of communication between the 3392A integrator and the 85-B computer. In such a case the aliquots that were unaffected by the interruption were retained in the tabulation, but the affected ones were not.

Alert, Canada (ALT)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 10 JUN 85 | 1820 | 1707.2 | 2.5 | 2 | 388-85 | 1 | P | C2 | 16 JUL 85 | |
| 17 JUN 85 | 1927 | 1707.6 | 4.1 | 2 | 390-85 | 1 | P | C2 | 16 JUL 85 | |
| 24 JUN 85 | 1904 | 1708.7 | 4.3 | 2 | 391-85 | 1 | P | C2 | 24 JUL 85 | |
| 01 JUL 85 | 1913 | 1703.2 | 2.7 | 2 | 393-85 | 1 | P | C2 | 24 JUL 85 | |
| 08 JUL 85 | 2118 | 1696.4 | .7 | 2 | 882-83 | 1 | P | C3 | 11 SEP 85 | |
| 15 JUL 85 | 1905 | 1694.1 | -.7 | 2 | 906-82 | 1 | P | C3 | 11 SEP 85 | |
| 29 JUL 85 | 1904 | 1694.7 | .9 | 2 | 1662-82 | 1 | P | C3 | 12 SEP 85 | |
| 26 AUG 85 | 1922 | 1698.5 | .8 | 2 | 1830-82 | 1 | P | C3 | 02 OCT 85 | |
| 02 SEP 85 | 1857 | 1707.4 | -.7 | 2 | 878-82 | 1 | P | C3 | 02 OCT 85 | |
| 16 SEP 85 | 1941 | 1715.8 | -2.9 | 2 | 628-82 | 1 | P | C3 | 28 OCT 85 | |
| 23 SEP 85 | 1858 | 1722.0 | -1.1 | 2 | 1098-82 | 1 | P | C3 | 28 OCT 85 | |
| 30 SEP 85 | 1931 | 1737.3 | .6 | 2 | 256-83 | 1 | P | C3 | 28 OCT 85 | |
| 09 OCT 85 | 1858 | 1701.3 | 1.8 | 2 | 772-83 | 1 | P | C3 | 28 OCT 85 | |
| 14 OCT 85 | 1914 | 1754.2 | -4.2 | 2 | 577-83 | 1 | P | C3 | 19 NOV 85 | |
| 21 OCT 85 | 1907 | 1738.0 | 3.8 | 2 | 750-82 | 1 | P | C3 | 19 NOV 85 | |
| 28 OCT 85 | 1950 | 1730.9 | 2.1 | 2 | 734-81 | 1 | P | C3 | 13 DEC 85 | |
| 25 NOV 85 | 1942 | 1750.8 | -1.3 | 2 | 188-83 | 1 | P | C3 | 03 JAN 86 | |
| 02 DEC 85 | 2003 | 1726.5 | -1.1 | 2 | 296-82 | 1 | P | C3 | 09 JAN 86 | |
| 10 DEC 85 | 1933 | 1723.5 | 1.5 | 2 | 1498-82 | 1 | P | C3 | 09 JAN 86 | |
| 16 DEC 85 | 1944 | 1784.2 | | 1 | 1552-82 | 1 | P | C4 | 04 FEB 86 | |
| 23 DEC 85 | 1914 | 1749.6 | -5.3 | 2 | 921-83 | 1 | P | C4 | 14 FEB 86 | |
| 30 DEC 85 | 1932 | 1764.6 | -3.0 | 2 | 938-83 | 1 | P | C4 | 14 FEB 86 | |

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 02 JAN 83 | 0855 | 1531.1 | 10.0 | 2 | 784-81 | 1 | P | C1 | 05 AUG 83 | + |
| 06 JAN 83 | 1120 | 1521.6 | 11.0 | 2 | 642-81 | 1 | P | C1 | 05 AUG 83 | + |
| 08 JAN 83 | 1055 | 1534.6 | -21.0 | 2 | 640-81 | 1 | P | C1 | 05 AUG 83 | + |
| 15 JAN 83 | 1055 | 1519.1 | 0.0 | 2 | 1160-82 | 1 | P | C1 | 04 AUG 83 | + |
| 21 JAN 83 | 0955 | 1542.1 | -26.0 | 2 | 1156-82 | 1 | P | C1 | 28 JUL 83 | |
| 31 JAN 83 | 0455 | 1536.6 | 11.0 | 2 | 1152-82 | 1 | P | C1 | 28 JUL 83 | |
| 04 FEB 83 | 1158 | 1545.1 | -8.0 | 2 | 364-80 | 1 | P | C1 | 28 JUL 83 | |
| 16 FEB 83 | 0550 | 1541.1 | 0.0 | 2 | 1192-82 | 1 | P | C2 | 04 APR 84 | |
| 25 FEB 83 | 1155 | 1540.1 | 2.0 | 2 | 662-81 | 1 | P | C2 | 04 APR 84 | |
| 01 MAR 83 | 0956 | 1535.1 | -2.0 | 2 | 658-81 | 1 | P | C2 | 04 APR 84 | |
| 08 MAR 83 | 1145 | 1539.6 | 3.0 | 2 | 630-81 | 1 | P | C2 | 04 APR 84 | |
| 18 MAR 83 | 0955 | 1540.1 | | 1 | 1246-82 | 1 | P | C2 | 04 APR 84 | |
| 25 MAR 83 | 1045 | 1549.1 | -2.0 | 2 | 1250-82 | 1 | P | C2 | 04 APR 84 | |
| 03 APR 83 | 1055 | 1542.6 | -1.0 | 2 | 1254-82 | 1 | P | C2 | 04 APR 84 | |
| 08 APR 83 | 0457 | 1548.6 | 1.0 | 2 | 1242-82 | 1 | P | C2 | 04 APR 84 | |
| 18 APR 83 | 0455 | 1551.1 | -2.0 | 2 | 1196-82 | 1 | P | C2 | 04 APR 84 | |
| 22 APR 83 | 0450 | 1576.1 | 0.0 | 2 | 1218-82 | 1 | P | C2 | 05 APR 84 | + |
| 05 MAY 83 | 0452 | 1547.1 | -2.0 | 2 | 1094-82 | 1 | P | C2 | 05 APR 84 | |
| 12 MAY 83 | 0354 | 1555.1 | -2.0 | 2 | 1200-82 | 1 | P | C2 | 05 APR 84 | |
| 17 MAY 83 | 0545 | 1558.1 | | 1 | 688-81 | 1 | P | C2 | 05 APR 84 | |
| 02 JUN 83 | 0455 | 1562.1 | 4.0 | 2 | 736-81 | 1 | P | C2 | 05 APR 84 | |
| 07 JUN 83 | 0555 | 1560.6 | -3.0 | 2 | 732-81 | 1 | P | C2 | 05 APR 84 | |
| 17 JUN 83 | 0450 | 1566.1 | 2.0 | 2 | 670-81 | 1 | P | C2 | 05 APR 84 | |
| 24 JUN 83 | 0435 | 1567.1 | | 1 | 672-81 | 1 | P | C2 | 05 APR 84 | |
| 02 JUL 83 | 0445 | 1566.1 | -4.0 | 2 | 768-81 | 1 | P | C2 | 05 APR 84 | |
| 08 JUL 83 | 0350 | 1586.5 | -3.0 | 2 | 676-81 | 1 | P | C2 | 05 APR 84 | + |
| 15 JUL 83 | 0358 | 1572.6 | -3.0 | 2 | 1164-82 | 1 | P | C2 | 05 APR 84 | |
| 20 JUL 83 | 0454 | 1569.6 | -1.0 | 2 | 1167-82 | 1 | P | C2 | 05 APR 84 | |
| 27 JUL 83 | 0453 | 1570.1 | 0.0 | 2 | 1172-82 | 1 | P | C2 | 05 APR 84 | |
| 04 AUG 83 | 0854 | 1583.0 | -2.0 | 2 | 1078-82 | 1 | P | C2 | 05 APR 84 | |
| 09 AUG 83 | 0452 | 1574.6 | 3.0 | 2 | 1104-82 | 1 | P | C2 | 05 APR 84 | |
| 19 AUG 83 | 0451 | 1575.6 | 1.0 | 2 | 1124-82 | 1 | P | C2 | 12 SEP 84 | |
| 31 AUG 83 | 0530 | 1572.1 | 2.0 | 2 | 1108-82 | 1 | P | C2 | 12 SEP 84 | |
| 05 SEP 83 | 0550 | 1576.6 | 1.0 | 2 | 1110-82 | 1 | P | C2 | 11 SEP 84 | |
| 20 SEP 83 | 1000 | 1575.1 | 0.0 | 2 | 1176-82 | 1 | P | C2 | 12 SEP 84 | |
| 27 SEP 83 | 0600 | 1580.5 | 3.0 | 2 | 1186-82 | 1 | P | C2 | 12 SEP 84 | |
| 08 OCT 83 | 1000 | 1576.6 | -3.0 | 2 | 1184-82 | 1 | P | C2 | 12 SEP 84 | |
| 14 OCT 83 | 1000 | 1576.1 | 0.0 | 2 | 1180-82 | 1 | P | C2 | 12 SEP 84 | |
| 26 OCT 83 | 1000 | 1579.0 | 0.0 | 2 | 1208-82 | 1 | P | C2 | 12 SEP 84 | |
| 01 NOV 83 | 1000 | 1580.0 | 0.0 | 2 | 1134-82 | 1 | P | C2 | 12 SEP 84 | |
| 16 NOV 83 | 1030 | 1577.6 | -1.0 | 2 | 1098-82 | 1 | P | C2 | 13 SEP 84 | |
| 24 NOV 83 | 1100 | 1576.6 | 1.0 | 2 | 1080-82 | 1 | P | C2 | 12 SEP 84 | |
| 07 DEC 83 | 1050 | 1567.1 | 0.0 | 2 | 1132-82 | 1 | P | C2 | 12 SEP 84 | |
| 19 DEC 83 | 1040 | 1565.6 | 3.0 | 2 | 1148-82 | 1 | P | C2 | 11 SEP 84 | |
| 23 DEC 83 | 0430 | 1590.0 | 2.0 | 2 | 1144-82 | 1 | P | C2 | 11 SEP 84 | + |
| 28 DEC 83 | 1100 | 1571.6 | -1.0 | 2 | 1128-82 | 1 | P | C2 | 12 SEP 84 | |
| 06 JAN 84 | 0530 | 1562.1 | -2.0 | 2 | 1229-82 | 1 | P | C2 | 12 SEP 84 | |
| 15 JAN 84 | 0610 | 1557.6 | 1.0 | 2 | 1226-82 | 1 | P | C2 | 12 SEP 84 | |
| 28 JAN 84 | 0930 | 1558.1 | 0.0 | 2 | 1238-82 | 1 | P | C2 | 11 SEP 84 | |
| 31 JAN 84 | 0500 | 1559.1 | 0.0 | 2 | 1234-82 | 1 | P | C2 | 12 SEP 84 | |
| 04 FEB 84 | 1030 | 1563.1 | -2.0 | 2 | 546-83 | 1 | P | C2 | 12 SEP 84 | |
| 15 FEB 84 | 0405 | 1557.4 | | 1 | 540-83 | 1 | P | C2 | 17 JAN 85 | |
| 20 FEB 84 | 0500 | 1563.3 | 2.3 | 2 | 538-83 | 1 | P | C2 | 16 JAN 85 | |
| 26 FEB 84 | 0500 | 1559.3 | -1.6 | 2 | 524-83 | 1 | P | C2 | 17 JAN 85 | |
| 07 MAR 84 | 0500 | 1561.7 | .7 | 2 | 544-83 | 1 | P | C2 | 17 JAN 85 | |
| 17 MAR 84 | 0545 | 1562.0 | .5 | 2 | 1084-82 | 1 | P | C2 | 17 JAN 85 | |
| 24 MAR 84 | 0300 | 1566.3 | -2.0 | 2 | 1090-82 | 1 | P | C2 | 17 JAN 85 | |
| 30 MAR 84 | 0420 | 1560.3 | 6.9 | 2 | 1118-82 | 1 | P | C2 | 17 JAN 85 | |
| 03 APR 84 | 0900 | 1559.8 | 6.2 | 2 | 1114-82 | 1 | P | C2 | 17 JAN 85 | |
| 18 APR 84 | 1020 | 1580.4 | 3.5 | 2 | 1282-82 | 1 | P | C2 | 16 JAN 85 | |
| 20 APR 84 | 0500 | 1575.6 | .9 | 2 | 1280-82 | 1 | P | C2 | 17 JAN 85 | |
| 22 APR 84 | 0520 | 1569.3 | 1.5 | 2 | 1260-82 | 1 | P | C2 | 17 JAN 85 | |
| 12 MAY 84 | 0345 | 1571.0 | 5.3 | 2 | 1256-82 | 1 | P | C2 | 17 JAN 85 | |
| 21 MAY 84 | 0840 | 1583.0 | -.9 | 2 | 1257-82 | 1 | P | C2 | 17 JAN 85 | |

Amsterdam Island (AMS)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 23 MAY 84 | 0920 | 1584.5 | 1.1 | 2 | 1138-82 | 1 | P | C2 | 17 JAN 85 | |
| 27 MAY 84 | 1030 | 1582.4 | -.1 | 2 | 1140-82 | 1 | P | C2 | 17 JAN 85 | |
| 30 MAY 84 | 0630 | 1577.4 | -3.9 | 2 | 1272-82 | 1 | P | C2 | 17 JAN 85 | |
| 04 JUL 84 | 0412 | 1584.5 | -.2 | 2 | 1278-82 | 1 | P | C3 | 14 AUG 85 | |
| 16 JUL 84 | 0920 | 1591.1 | -3.7 | 2 | 1100-82 | 1 | P | C3 | 13 AUG 85 | |
| 17 JUL 84 | 0945 | 1591.3 | | 1 | 1209-82 | 1 | P | C3 | 14 AUG 85 | |
| 17 JUL 84 | 0945 | 1594.6 | | 1 | 1210-82 | 1 | P | C3 | 14 AUG 85 | |
| 21 JUL 84 | 0630 | 1583.6 | .2 | 2 | 1220-82 | 1 | P | C3 | 14 AUG 85 | |
| 25 JUL 84 | 0520 | 1591.6 | -4.7 | 2 | 1275-82 | 1 | P | C3 | 14 AUG 85 | |
| 16 AUG 84 | 1030 | 1589.5 | 2.3 | 2 | 1222-82 | 1 | P | C3 | 14 AUG 85 | |
| 21 AUG 84 | 0520 | 1587.6 | -1.4 | 2 | 1264-82 | 1 | P | C3 | 14 AUG 85 | |
| 23 AUG 84 | 0530 | 1589.0 | -2.0 | 2 | 1266-82 | 1 | P | C3 | 14 AUG 85 | |
| 27 AUG 84 | 0550 | 1588.9 | -2.5 | 2 | 1086-82 | 1 | P | C3 | 14 AUG 85 | |
| 11 SEP 84 | 0900 | 1587.4 | -1.0 | 2 | 1088-82 | 1 | P | C3 | 14 AUG 85 | |
| 19 SEP 84 | 0840 | 1587.9 | 1.7 | 2 | 1268-82 | 1 | P | C3 | 14 AUG 85 | |
| 21 SEP 84 | 0920 | 1589.7 | -.9 | 2 | 1270-82 | 1 | P | C3 | 13 AUG 85 | |
| 23 SEP 84 | 0430 | 1591.0 | -1.3 | 2 | 1204-82 | 1 | P | C3 | 14 AUG 85 | |
| 25 SEP 84 | 1020 | 1588.5 | -.9 | 2 | 1202-82 | 1 | P | C3 | 15 AUG 85 | |
| 27 SEP 84 | 1015 | 1589.2 | -.3 | 2 | 450-83 | 1 | P | C3 | 14 AUG 85 | |
| 08 OCT 84 | 0850 | 1591.7 | -1.7 | 2 | 452-83 | 1 | P | C3 | 14 AUG 85 | |
| 15 OCT 84 | 0920 | 1587.9 | 3.7 | 2 | 580-83 | 1 | P | C3 | 14 AUG 85 | |
| 26 DEC 84 | 1200 | 1581.0 | -2.3 | 2 | 578-83 | 1 | P | C3 | 14 AUG 85 | |
| 02 MAR 85 | 1230 | 1563.5 | 1.5 | 2 | 442-83 | 1 | P | C3 | 15 AUG 85 | |
| 04 MAR 85 | 1100 | 1565.8 | | 1 | 243-85 | 1 | P | C3 | 16 AUG 85 | |
| 04 MAR 85 | 1100 | 1572.5 | | 1 | 244-85 | 1 | P | C3 | 15 AUG 85 | |
| 02 APR 85 | 1630 | 1570.1 | -4.0 | 2 | 256-85 | 1 | P | C3 | 04 JAN 86 | |
| 22 MAY 85 | 0630 | 1585.2 | | 1 | 242-85 | 1 | P | C3 | 10 JAN 86 | |
| 22 MAY 85 | 0630 | 1592.3 | | 1 | 242-85 | 1 | P | C3 | 10 JAN 86 | |
| 06 JUN 85 | 1005 | 1584.8 | -5.4 | 2 | 196-85 | 1 | P | C3 | 10 JAN 86 | |
| 17 JUN 85 | 0630 | 1565.9 | -4.3 | 2 | 252-85 | 1 | P | C3 | 10 JAN 86 | + |
| 24 JUN 85 | 1030 | 1606.3 | | 1 | 254-85 | 1 | P | C3 | 10 JAN 86 | + |
| 09 JUL 85 | 0455 | 1592.1 | -2.9 | 2 | 170-85 | 1 | P | C3 | 10 JAN 86 | |
| 24 JUL 85 | 0550 | 1596.2 | 1.5 | 2 | 194-85 | 1 | P | C3 | 10 JAN 86 | |
| 05 AUG 85 | 0500 | 1600.9 | -3.6 | 2 | 212-85 | 1 | P | C4 | 07 JUL 86 | |
| 17 AUG 85 | 0420 | 1602.3 | -2.7 | 2 | 214-85 | 1 | P | C4 | 07 JUL 86 | |
| 24 AUG 85 | 0515 | 1607.7 | -1.1 | 2 | 180-85 | 1 | P | C4 | 07 JUL 86 | |
| 03 SEP 85 | 0440 | 1607.4 | -.7 | 2 | 176-85 | 1 | P | C4 | 07 JUL 86 | |
| 30 SEP 85 | 0430 | 1614.1 | -4.2 | 2 | 248-85 | 1 | P | C4 | 07 JUL 86 | |
| 07 OCT 85 | 0610 | 1600.1 | 1.5 | 2 | 250-85 | 1 | P | C4 | 07 JUL 86 | |
| 15 NOV 85 | 0520 | 1596.2 | | 1 | 174-85 | 1 | P | C4 | 07 JUL 86 | |

Ascension Island (ASC)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 11 MAY 83 | 1110 | 1576.1 | 0.0 | 2 | 860-81 | 1 | P | C1 | 19 MAY 83 | |
| 19 MAY 83 | 0935 | 1579.6 | 11.0 | 2 | 1818-82 | 1 | P | C1 | 26 MAY 83 | |
| 26 MAY 83 | 0800 | 1571.1 | | 1 | 170-83 | 1 | P | C1 | 06 JUN 83 | |
| 02 JUN 83 | 0838 | 1587.5 | 5.0 | 2 | 1580-82 | 1 | P | C1 | 14 JUN 83 | |
| 09 JUN 83 | 0922 | 1585.5 | -3.0 | 2 | 1712-82 | 1 | P | C1 | 17 JUN 83 | |
| 16 JUN 83 | 0833 | 1585.0 | 10.0 | 2 | 1566-82 | 1 | P | C1 | 28 JUN 83 | |
| 07 JUL 83 | 0905 | 1585.1 | 14.0 | 2 | 788-82 | 1 | P | C1 | 13 JUL 83 | |
| 14 JUL 83 | 0820 | 1591.5 | 7.0 | 2 | 74-83 | 1 | P | C1 | 21 JUL 83 | |
| 21 JUL 83 | 1027 | 1588.0 | -12.0 | 2 | 812-82 | 1 | P | C1 | 28 JUL 83 | |
| 04 AUG 83 | 1015 | 1579.1 | -10.0 | 2 | 1418-82 | 1 | P | C1 | 18 AUG 83 | |
| 11 AUG 83 | 1000 | 1580.0 | 0.0 | 2 | 632-82 | 1 | P | C1 | 01 SEP 83 | |
| 19 AUG 83 | 1400 | 1586.0 | 0.0 | 2 | 268-82 | 1 | P | C1 | 02 SEP 83 | |
| 25 AUG 83 | 1115 | 1591.0 | 4.0 | 2 | 986-81 | 1 | P | C1 | 02 SEP 83 | |
| 01 SEP 83 | 1000 | 1572.6 | -5.0 | 2 | 214-83 | 1 | P | C1 | 14 SEP 83 | |
| 08 SEP 83 | 1300 | 1590.0 | 4.0 | 2 | 1472-82 | 1 | P | C2 | 28 SEP 83 | |
| 12 SEP 83 | 1000 | 1586.0 | 14.0 | 2 | 1160-82 | 1 | P | C2 | 28 SEP 83 | |
| 22 SEP 83 | 1355 | 1599.5 | 11.0 | 2 | 808-83 | 1 | P | C2 | 28 SEP 83 | |
| 29 SEP 83 | 1418 | 1580.0 | | 1 | 780-83 | 1 | P | C2 | 05 OCT 83 | |
| 29 SEP 83 | 1418 | 1588.0 | 24.0 | 2 | 780-83 | 1 | P | C2 | 06 OCT 83 | |
| 06 OCT 83 | 1300 | 1582.5 | 3.0 | 2 | 758-83 | 1 | P | C1 | 18 OCT 83 | |
| 13 OCT 83 | 1440 | 1581.1 | -6.0 | 2 | 68-83 | 1 | P | C1 | 26 OCT 83 | |
| 20 OCT 83 | 1550 | 1585.0 | 4.0 | 2 | 610-83 | 1 | P | C1 | 28 OCT 83 | |
| 27 OCT 83 | 1056 | 1593.7 | -7.0 | 3 | 704-83 | 1 | P | C1 | 08 NOV 83 | |
| 03 NOV 83 | 1455 | 1577.6 | 3.0 | 2 | 164-83 | 1 | P | C1 | 13 NOV 83 | |
| 10 NOV 83 | 1145 | 1576.6 | -3.0 | 2 | 808-83 | 1 | P | C2 | 07 DEC 83 | |
| 17 NOV 83 | 1115 | 1580.6 | -5.0 | 2 | 758-83 | 1 | P | C2 | 13 DEC 83 | |
| 24 NOV 83 | 1430 | 1574.1 | 0.0 | 2 | 1814-82 | 1 | P | C2 | 08 DEC 83 | |
| 02 DEC 83 | 1015 | 1582.5 | -3.0 | 2 | 870-81 | 1 | P | C2 | 24 DEC 83 | |
| 09 DEC 83 | 1115 | 1574.1 | -4.0 | 2 | 726-82 | 1 | P | C2 | 27 DEC 83 | |
| 15 DEC 83 | 1445 | 1572.6 | 1.0 | 2 | 932-83 | 1 | P | C2 | 27 DEC 83 | |
| 22 DEC 83 | 1130 | 1574.6 | 1.0 | 2 | 762-83 | 1 | P | C2 | 04 JAN 84 | |
| 30 DEC 83 | 1300 | 1573.6 | 5.0 | 2 | 1150-82 | 1 | P | C2 | 18 JAN 84 | |
| 06 JAN 84 | 1015 | 1579.6 | -3.0 | 2 | 626-83 | 1 | P | C2 | 31 JAN 84 | |
| 13 JAN 84 | 1315 | 1582.5 | -7.0 | 2 | 106-83 | 1 | P | C2 | 02 FEB 84 | |
| 19 JAN 84 | 1012 | 1563.1 | -2.0 | 2 | 826-81 | 1 | P | C2 | 02 FEB 84 | |
| 27 JAN 84 | 1340 | 1569.1 | 0.0 | 2 | 378-82 | 1 | P | C2 | 17 FEB 84 | |
| 03 FEB 84 | 0930 | 1563.6 | -1.0 | 2 | 802-83 | 1 | P | C2 | 17 FEB 84 | |
| 10 FEB 84 | 1030 | 1571.1 | 2.0 | 2 | 1596-82 | 1 | P | C2 | 04 MAR 84 | |
| 16 FEB 84 | 1635 | 1577.6 | -3.0 | 2 | 484-82 | 1 | P | C2 | 05 MAR 84 | |
| 16 FEB 84 | 1635 | 1578.1 | 0.0 | 2 | 484-82 | 1 | P | C2 | 29 MAR 84 | |
| 23 FEB 84 | 1315 | 1561.1 | 4.0 | 2 | 840-81 | 1 | P | C2 | 05 MAR 84 | |
| 02 MAR 84 | 1000 | 1575.1 | 0.0 | 2 | 194-83 | 1 | P | C2 | 29 MAR 84 | |
| 08 MAR 84 | 1024 | 1569.1 | 0.0 | 2 | 12-83 | 1 | P | C2 | 29 MAR 84 | |
| 15 MAR 84 | 1547 | 1585.0 | -2.0 | 2 | 1714-82 | 1 | P | C2 | 30 MAR 84 | |
| 22 MAR 84 | 1405 | 1574.6 | 3.0 | 2 | 106-83 | 1 | P | C2 | 02 APR 84 | |
| 29 MAR 84 | 1345 | 1576.6 | -3.0 | 2 | 972-83 | 1 | P | C2 | 04 APR 84 | |
| 04 APR 84 | 1045 | 1587.5 | 1.0 | 2 | 1562-82 | 1 | P | C2 | 12 APR 84 | |
| 13 APR 84 | 0930 | 1588.5 | -1.0 | 2 | 762-83 | 1 | P | C2 | 24 APR 84 | |
| 19 APR 84 | 1455 | 1578.6 | -3.0 | 2 | 726-83 | 1 | P | C2 | 02 MAY 84 | |
| 26 APR 84 | 1445 | 1590.0 | 0.0 | 2 | 402-82 | 1 | P | C2 | 02 MAY 84 | |
| 10 MAY 84 | 1520 | 1589.5 | -1.0 | 2 | 1696-82 | 1 | P | C2 | 23 MAY 84 | |
| 17 MAY 84 | 0955 | 1702.0 | 6.0 | 2 | 1608-82 | 1 | P | C2 | 23 MAY 84 | + |
| 24 MAY 84 | 0943 | 1591.5 | 7.0 | 2 | 50-83 | 1 | P | C2 | 31 MAY 84 | |
| 31 MAY 84 | 1235 | 1593.5 | 3.0 | 2 | 1192-82 | 1 | P | C2 | 14 JUN 84 | |
| 07 JUN 84 | 0940 | 1587.0 | 0.0 | 2 | 1010-82 | 1 | P | C2 | 14 JUN 84 | |
| 14 JUN 84 | 1000 | 1599.5 | 1.0 | 2 | 194-83 | 1 | P | C2 | 10 JUL 84 | |
| 21 JUN 84 | 1450 | 1592.5 | -1.0 | 2 | 724-83 | 1 | P | C2 | 02 JUL 84 | |
| 28 JUN 84 | 1023 | 1601.0 | | 1 | 108-84 | 1 | P | C2 | 10 JUL 84 | |
| 05 JUL 84 | 0945 | 1601.0 | -2.0 | 2 | 1150-82 | 1 | P | C2 | 12 JUL 84 | |
| 12 JUL 84 | 0930 | 1595.5 | -1.0 | 2 | 1588-82 | 1 | P | C2 | 31 JUL 84 | |
| 19 JUL 84 | 0950 | 1605.0 | | 1 | 104-84 | 1 | P | C2 | 31 JUL 84 | |
| 26 JUL 84 | 1000 | 1600.5 | 3.0 | 2 | 184-82 | 1 | P | C2 | 01 AUG 84 | |
| 03 AUG 84 | 1025 | 1600.0 | 0.0 | 2 | 1696-82 | 1 | P | C2 | 07 SEP 84 | |
| 09 AUG 84 | 1420 | 1599.5 | 3.0 | 2 | 1664-82 | 1 | P | C2 | 10 SEP 84 | |

Ascension Island (ASC)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 AUG 84 | 1100 | 1606.0 | 0.0 | 2 | 406-82 | 1 | P | C2 | 05 SEP 84 | |
| 24 AUG 84 | 1600 | 1598.5 | -5.0 | 2 | 202-83 | 1 | P | C2 | 11 SEP 84 | |
| 30 AUG 84 | 1015 | 1603.5 | 3.0 | 2 | 1646-82 | 1 | P | C2 | 10 SEP 84 | |
| 06 SEP 84 | 0920 | 1593.0 | 2.0 | 2 | 738-82 | 1 | P | C2 | 22 SEP 84 | |
| 12 SEP 84 | 1600 | 1599.5 | 1.0 | 2 | 946-83 | 1 | P | C2 | 21 SEP 84 | |
| 20 SEP 84 | 1008 | 1602.9 | 2.8 | 3 | 708-83 | 1 | P | C2 | 17 OCT 84 | |
| 27 SEP 84 | 1545 | 1601.7 | .6 | 2 | 726-83 | 1 | P | C2 | 17 OCT 84 | |
| 05 OCT 84 | 1345 | 1589.7 | .9 | 2 | 548-83 | 1 | P | C2 | 18 OCT 84 | |
| 11 OCT 84 | 0926 | 1593.6 | -3.9 | 2 | 1630-82 | 1 | P | C2 | 17 OCT 84 | |
| 18 OCT 84 | 1412 | 1597.9 | -5.9 | 2 | 362-82 | 1 | P | C2 | 01 NOV 84 | |
| 25 OCT 84 | 1344 | 1594.6 | -.3 | 2 | 846-81 | 1 | P | C2 | 07 NOV 84 | |
| 01 NOV 84 | 1438 | 1587.6 | -4.7 | 2 | 1142-82 | 1 | P | C2 | 14 NOV 84 | |
| 08 NOV 84 | 1100 | 1587.6 | -.1 | 2 | 1680-82 | 1 | P | C2 | 15 NOV 84 | |
| 15 NOV 84 | 0810 | 1594.1 | -1.6 | 2 | 1000-82 | 1 | P | C2 | 27 NOV 84 | |
| 22 NOV 84 | 0825 | 1586.7 | .9 | 2 | 1486-82 | 1 | P | C2 | 06 DEC 84 | |
| 29 NOV 84 | 0915 | 1582.8 | 1.1 | 2 | 954-83 | 1 | P | C2 | 11 DEC 84 | |
| 06 DEC 84 | 0815 | 1583.9 | -4.5 | 2 | 266-83 | 1 | P | C2 | 18 DEC 84 | |
| 13 DEC 84 | 0855 | 1603.7 | 2.0 | 2 | 166-83 | 1 | P | C2 | 08 JAN 85 | |
| 20 DEC 84 | 0813 | 1600.8 | 5.0 | 2 | 1442-82 | 1 | P | C2 | 08 JAN 85 | |
| 27 DEC 84 | 0830 | 1585.8 | 1.2 | 2 | 620-83 | 1 | P | C2 | 09 JAN 85 | |
| 03 JAN 85 | 1025 | 1580.5 | 4.7 | 2 | 624-82 | 1 | P | C2 | 09 JAN 85 | |
| 10 JAN 85 | 1348 | 1588.7 | -5.5 | 2 | 730-83 | 1 | P | C2 | 17 JAN 85 | |
| 17 JAN 85 | 0940 | 1585.1 | -.4 | 2 | 1348-82 | 1 | P | C2 | 24 JAN 85 | |
| 24 JAN 85 | 1000 | 1580.0 | -1.2 | 2 | 486-82 | 1 | P | C2 | 05 FEB 85 | |
| 31 JAN 85 | 0933 | 1582.9 | -.5 | 2 | 1664-82 | 1 | P | C2 | 14 FEB 85 | |
| 07 FEB 85 | 1610 | 1582.0 | -3.7 | 2 | 1216-82 | 1 | P | C2 | 20 FEB 85 | |
| 14 FEB 85 | 1100 | 1582.7 | 4.7 | 2 | 1010-82 | 1 | P | C2 | 27 FEB 85 | |
| 21 FEB 85 | 0915 | 1593.1 | 1.7 | 2 | 166-83 | 1 | P | C2 | 27 FEB 85 | |
| 28 FEB 85 | 0910 | 1576.0 | 3.0 | 2 | 1274-82 | 1 | P | C2 | 25 MAR 85 | |
| 07 MAR 85 | 0940 | 1582.8 | 5.2 | 2 | 1198-82 | 1 | P | C2 | 27 MAR 85 | |
| 14 MAR 85 | 0940 | 1588.8 | 3.9 | 2 | 1150-82 | 1 | P | C2 | 26 MAR 85 | |
| 21 MAR 85 | 0955 | 1594.8 | -1.2 | 2 | 1818-82 | 1 | P | C2 | 10 APR 85 | |
| 28 MAR 85 | 1545 | 1602.0 | -.6 | 2 | 932-83 | 1 | P | C2 | 04 APR 85 | |
| 04 APR 85 | 0935 | 1600.1 | 6.1 | 2 | 628-82 | 1 | P | C2 | 16 APR 85 | |
| 11 APR 85 | 0930 | 1596.7 | -2.1 | 2 | 934-83 | 1 | P | C2 | 24 APR 85 | |
| 18 APR 85 | 0940 | 1601.7 | -3.2 | 2 | 744-83 | 1 | P | C2 | 24 APR 85 | |
| 26 APR 85 | 1345 | 1599.8 | -1.7 | 2 | 542-82 | 1 | P | C2 | 07 MAY 85 | |
| 02 MAY 85 | 1630 | 1603.5 | -1.4 | 2 | 260-83 | 1 | P | C2 | 22 MAY 85 | |
| 06 MAY 85 | 0930 | 1602.4 | .7 | 2 | 651-83 | 1 | P | C2 | 16 MAY 85 | |
| 16 MAY 85 | 1515 | 1597.0 | 6.1 | 2 | 268-82 | 1 | P | C2 | 22 MAY 85 | |
| 23 MAY 85 | 1350 | 1599.3 | -1.3 | 2 | 900-83 | 1 | P | C2 | 11 JUN 85 | |
| 30 MAY 85 | 1000 | 1594.9 | -3.0 | 2 | 804-82 | 1 | P | C2 | 11 JUN 85 | |
| 06 JUN 85 | 1410 | 1608.8 | -.4 | 2 | 806-83 | 1 | P | C2 | 13 JUN 85 | |
| 13 JUN 85 | 1005 | 1617.4 | .1 | 2 | 1343-82 | 1 | P | C2 | 28 JUN 85 | |
| 19 JUN 85 | 0915 | 1608.9 | 4.2 | 2 | 1092-82 | 1 | P | C2 | 28 JUN 85 | |
| 27 JUN 85 | 0935 | 1614.6 | -4.3 | 2 | 1682-82 | 1 | P | C2 | 09 JUL 85 | |
| 04 JUL 85 | 1455 | 1605.1 | 1.3 | 2 | 636-83 | 1 | P | C2 | 16 JUL 85 | |
| 11 JUL 85 | 1229 | 1607.4 | -2.8 | 3 | 34-83 | 1 | P | C2 | 31 JUL 85 | |
| 18 JUL 85 | 0932 | 1610.9 | -1.3 | 2 | 548-83 | 1 | P | C2 | 31 JUL 85 | |
| 25 JUL 85 | 1000 | 1612.3 | 1.0 | 2 | 496-82 | 1 | P | C3 | 12 AUG 85 | |
| 01 AUG 85 | 1340 | 1608.2 | -7.7 | 2 | 186-82 | 1 | P | C3 | 12 AUG 85 | |
| 08 AUG 85 | 0950 | 1607.1 | 2.1 | 2 | 1146-82 | 1 | P | C3 | 14 AUG 85 | |
| 15 AUG 85 | 1415 | 1629.6 | 1.3 | 2 | 502-82 | 1 | P | C3 | 11 SEP 85 | |
| 29 AUG 85 | 0922 | 1610.7 | 2.5 | 2 | 192-83 | 1 | P | C3 | 12 SEP 85 | |
| 05 SEP 85 | 0915 | 1615.4 | 1.1 | 2 | 1140-82 | 1 | P | C3 | 14 SEP 85 | |
| 12 SEP 85 | 0950 | 1613.6 | | 1 | 542-83 | 1 | P | C3 | 24 SEP 85 | |
| 19 SEP 85 | 0910 | 1620.1 | 4.1 | 2 | 382-83 | 1 | P | C3 | 02 OCT 85 | |
| 26 SEP 85 | 1400 | 1614.9 | 1.4 | 2 | 630-82 | 1 | P | C3 | 09 OCT 85 | |
| 03 OCT 85 | 1520 | 1606.9 | -5.0 | 2 | 666-83 | 1 | P | C3 | 22 OCT 85 | |
| 10 OCT 85 | 1000 | 1605.1 | -2.1 | 2 | 789-83 | 1 | P | C3 | 24 OCT 85 | |
| 17 OCT 85 | 1000 | 1608.2 | | 1 | 962-83 | 1 | P | C3 | 23 OCT 85 | |
| 24 OCT 85 | 1000 | 1611.4 | -1.7 | 2 | 484-82 | 1 | P | C3 | 05 NOV 85 | |
| 07 NOV 85 | 1000 | 1598.4 | .3 | 2 | 740-83 | 1 | P | C3 | 20 NOV 85 | |
| 14 NOV 85 | 0915 | 1610.2 | -1.0 | 2 | 920-82 | 1 | P | C3 | 20 NOV 85 | |
| 21 NOV 85 | 0920 | 1602.2 | 1.2 | 2 | 560-85 | 1 | P | C3 | 14 DEC 85 | |

Ascension Island (ASC)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 28 NOV 85 | 1410 | 1598.6 | 3.5 | 2 | 856-83 | 1 | P | C3 | 13 DEC 85 | |
| 05 DEC 85 | 1435 | 1608.5 | 2.8 | 2 | 724-85 | 1 | P | C3 | 13 DEC 85 | |
| 12 DEC 85 | 0945 | 1606.2 | 3.8 | 2 | 272-85 | 1 | P | C3 | 03 JAN 86 | |
| 19 DEC 85 | 0905 | 1594.2 | -2.2 | 2 | 814-83 | 1 | P | C3 | 04 JAN 86 | |

St. Croix, Virgin Islands (AVI)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 MAY 83 | 2000 | 1618.0 | -2.0 | 2 | 814-81 | 1 | P | C1 | 17 MAY 83 | |
| 18 MAY 83 | 1930 | 1606.5 | -15.0 | 2 | 6-83 | 1 | P | C1 | 24 MAY 83 | |
| 26 MAY 83 | 1300 | 1605.0 | -4.0 | 2 | 1766-82 | 1 | P | C1 | 01 JUN 83 | |
| 02 JUN 83 | 2030 | 1635.0 | | 1 | 198-82 | 1 | P | C1 | 08 JUN 83 | |
| 10 JUN 83 | 2030 | 1639.0 | 12.0 | 2 | 860-82 | 1 | P | C1 | 14 JUN 83 | |
| 18 JUN 83 | 1800 | 1620.0 | 0.0 | 2 | 272-83 | 1 | P | C1 | 28 JUN 83 | |
| 24 JUN 83 | 2000 | 1618.0 | 8.0 | 2 | 100-83 | 1 | P | C1 | 06 JUL 83 | |
| 01 JUL 83 | 2015 | 1602.0 | 10.0 | 2 | 986-82 | 1 | P | C1 | 13 JUL 83 | |
| 07 JUL 83 | 1900 | 1650.0 | | 1 | 1522-82 | 1 | P | C1 | 20 JUL 83 | |
| 14 JUL 83 | 1900 | 1665.0 | 0.0 | 2 | 1698-82 | 1 | P | C1 | 20 JUL 83 | |
| 22 JUL 83 | 1830 | 1622.0 | 0.0 | 2 | 1580-82 | 1 | P | C1 | 06 AUG 83 | |
| 29 JUL 83 | 1730 | 1623.5 | -23.0 | 2 | 884-81 | 1 | P | C1 | 06 AUG 83 | |
| 04 AUG 83 | 2130 | 1660.5 | -1.0 | 2 | 1518-82 | 1 | P | C1 | 18 AUG 83 | |
| 11 AUG 83 | 1930 | 1607.5 | 7.0 | 2 | 710-83 | 1 | P | C1 | 19 AUG 83 | |
| 19 AUG 83 | 1800 | 1646.0 | 0.0 | 2 | 276-82 | 1 | P | C1 | 31 AUG 83 | |
| 23 AUG 83 | 2000 | 1635.5 | -3.0 | 2 | 196-83 | 1 | P | C1 | 31 AUG 83 | |
| 03 SEP 83 | 2030 | 1651.5 | 5.0 | 2 | 756-83 | 1 | P | C1 | 15 SEP 83 | |
| 09 SEP 83 | 1930 | 1687.5 | -1.0 | 2 | 944-81 | 1 | P | C1 | 15 SEP 83 | |
| 14 SEP 83 | 1930 | 1622.5 | -1.0 | 2 | 752-83 | 1 | P | C2 | 06 OCT 83 | |
| 22 SEP 83 | 1830 | 1620.5 | 9.0 | 2 | 1418-82 | 1 | P | C2 | 06 OCT 83 | |
| 07 OCT 83 | 1830 | 1657.5 | -3.0 | 2 | 682-82 | 1 | P | C1 | 18 OCT 83 | |
| 17 OCT 83 | 2000 | 1647.5 | 5.0 | 2 | 100-83 | 1 | P | C1 | 28 OCT 83 | |
| 22 DEC 83 | 1345 | 1645.5 | 3.0 | 2 | 278-82 | 1 | P | C2 | 28 DEC 83 | |
| 28 DEC 83 | 1340 | 1663.5 | -7.0 | 2 | 192-83 | 1 | P | C2 | 04 JAN 84 | |
| 05 JAN 84 | 1900 | 1657.0 | -4.0 | 2 | 906-82 | 1 | P | C2 | 17 JAN 84 | |
| 12 JAN 84 | 1240 | 1643.5 | -3.0 | 2 | 1562-82 | 1 | P | C2 | 18 JAN 84 | |
| 18 JAN 84 | 1300 | 1654.5 | -1.0 | 2 | 136-83 | 1 | P | C2 | 31 JAN 84 | |
| 27 JAN 84 | 1220 | 1659.5 | 3.0 | 2 | 100-83 | 1 | P | C2 | 03 FEB 84 | |
| 01 FEB 84 | 1930 | 1635.5 | 1.0 | 2 | 776-83 | 1 | P | C2 | 07 FEB 84 | |
| 09 FEB 84 | 1845 | 1653.5 | -5.0 | 2 | 1820-82 | 1 | P | C2 | 17 FEB 84 | |
| 16 FEB 84 | 2025 | 1674.5 | 5.0 | 2 | 256-83 | 1 | P | C2 | 04 MAR 84 | |
| 03 MAR 84 | 1230 | 1635.0 | -2.0 | 2 | 1648-82 | 1 | P | C2 | 29 MAR 84 | |
| 14 MAR 84 | 2000 | 1647.0 | -6.0 | 2 | 948-83 | 1 | P | C2 | 30 MAR 84 | |
| 31 MAR 84 | 1200 | 1649.5 | 5.0 | 2 | 786-83 | 1 | P | C2 | 12 APR 84 | |
| 12 APR 84 | 1915 | 1635.0 | 0.0 | 2 | 936-82 | 1 | P | C2 | 24 APR 84 | |
| 25 APR 84 | 1345 | 1648.0 | 2.0 | 2 | 1698-82 | 1 | P | C2 | 02 MAY 84 | |
| 29 APR 84 | 1300 | 1677.5 | 7.0 | 2 | 184-82 | 1 | P | C2 | 03 MAY 84 | |
| 04 MAY 84 | 1840 | 1665.0 | -8.0 | 2 | 930-83 | 1 | P | C2 | 16 MAY 84 | |
| 10 MAY 84 | 2100 | 1649.5 | -3.0 | 2 | 56-82 | 1 | P | C2 | 17 MAY 84 | |
| 18 MAY 84 | 1845 | 1655.5 | -3.0 | 2 | 1364-82 | 1 | P | C2 | 31 MAY 84 | |
| 27 MAY 84 | 1430 | 1656.0 | -4.0 | 2 | 1732-82 | 1 | P | C2 | 15 JUN 84 | |
| 04 JUN 84 | 1850 | 1633.0 | -2.0 | 2 | 1344-82 | 1 | P | C2 | 14 JUN 84 | |
| 15 JUN 84 | 1420 | 1630.0 | -2.0 | 2 | 1694-82 | 1 | P | C2 | 10 JUL 84 | |
| 30 JUN 84 | 2045 | 1642.0 | -2.0 | 2 | 836-81 | 1 | P | C2 | 11 JUL 84 | |
| 13 JUL 84 | 1350 | 1646.0 | 0.0 | 2 | 1754-82 | 1 | P | C2 | 31 JUL 84 | |
| 22 JUL 84 | 1400 | 1634.0 | 4.0 | 2 | 688-81 | 1 | P | C2 | 13 AUG 84 | |
| 30 JUL 84 | 1345 | 1650.5 | -3.0 | 2 | 1442-82 | 1 | P | C2 | 13 AUG 84 | |
| 02 AUG 84 | 2000 | 1636.0 | -2.0 | 2 | 1384-82 | 1 | P | C2 | 13 AUG 84 | |
| 11 AUG 84 | 1400 | 1650.0 | -2.0 | 2 | 210-83 | 1 | P | C2 | 10 SEP 84 | |
| 17 AUG 84 | 1700 | 1655.0 | | 1 | 776-82 | 1 | P | C2 | 05 SEP 84 | |
| 26 AUG 84 | 1700 | 1646.0 | 0.0 | 2 | 1380-82 | 1 | P | C2 | 11 SEP 84 | |
| 10 SEP 84 | 2000 | 1648.0 | | 1 | 1394-82 | 1 | P | C2 | 22 SEP 84 | |
| 12 SEP 84 | 1400 | 1646.2 | .7 | 2 | 750-82 | 1 | P | C2 | 18 OCT 84 | |
| 23 SEP 84 | 1940 | 1641.6 | -.4 | 2 | 1604-82 | 1 | P | C2 | 16 OCT 84 | |
| 26 SEP 84 | 1630 | 1637.7 | 1.7 | 2 | 255-83 | 1 | P | C2 | 18 OCT 84 | |
| 04 OCT 84 | 1900 | 1637.6 | 4.4 | 2 | 1166-82 | 1 | P | C2 | 18 OCT 84 | |
| 12 OCT 84 | 1330 | 1645.3 | 3.2 | 2 | 188-83 | 1 | P | C2 | 16 OCT 84 | |
| 18 OCT 84 | 1900 | 1639.3 | 2.7 | 2 | 1688-82 | 1 | P | C2 | 02 NOV 84 | |
| 27 OCT 84 | 1330 | 1651.5 | 1.3 | 2 | 1442-82 | 1 | P | C2 | 14 NOV 84 | |
| 05 NOV 84 | 1245 | 1637.3 | 1.0 | 2 | 1358-82 | 1 | P | C2 | 14 NOV 84 | |
| 11 NOV 84 | 1400 | 1679.8 | -3.2 | 2 | 1604-82 | 1 | P | C2 | 23 NOV 84 | |
| 15 NOV 84 | 1300 | 1653.9 | -2.2 | 2 | 1448-82 | 1 | P | C2 | 27 NOV 84 | |
| 21 NOV 84 | 1800 | 1652.7 | 1.0 | 2 | 1094-82 | 1 | P | C2 | 27 NOV 84 | |
| 29 NOV 84 | 1400 | 1676.3 | -2.0 | 2 | 754-82 | 1 | P | C2 | 11 DEC 84 | |

St. Croix, Virgin Islands (AVI)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 02 DEC 84 | 1130 | 1661.7 | -2.0 | 2 | 726-82 | 1 | P | C2 | 19 DEC 84 | |
| 14 DEC 84 | 2000 | 1685.5 | -2.4 | 2 | 1586-82 | 1 | P | C2 | 09 JAN 85 | |
| 16 DEC 84 | 2050 | 1697.5 | -5.9 | 2 | 966-83 | 1 | P | C2 | 08 JAN 85 | |
| 18 DEC 84 | 2030 | 1696.1 | | 1 | 1092-82 | 1 | P | C2 | 08 JAN 85 | |
| 30 DEC 84 | 1615 | 1679.5 | 4.6 | 2 | 828-83 | 1 | P | C2 | 09 JAN 85 | |
| 04 JAN 85 | 2030 | 1684.9 | 3.7 | 2 | 1198-82 | 1 | P | C2 | 16 JAN 85 | |
| 12 JAN 85 | 1315 | 1654.0 | -.3 | 2 | 1012-82 | 1 | P | C2 | 17 JAN 85 | |
| 18 JAN 85 | 1800 | 1681.2 | -1.6 | 2 | 854-83 | 1 | P | C2 | 24 JAN 85 | |
| 27 JAN 85 | 1240 | 1656.8 | 1.6 | 2 | 1302-82 | 1 | P | C2 | 04 FEB 85 | |
| 02 FEB 85 | 1330 | 1690.7 | -3.9 | 2 | 1150-82 | 1 | P | C2 | 14 FEB 85 | |
| 09 FEB 85 | 1400 | 1650.5 | 5.8 | 2 | 1538-82 | 1 | P | C2 | 27 FEB 85 | |
| 15 FEB 85 | 1700 | 1656.8 | 6.9 | 2 | 1602-82 | 1 | P | C2 | 20 FEB 85 | |
| 24 FEB 85 | 1345 | 1665.4 | -2.9 | 2 | 968-83 | 1 | P | C2 | 27 FEB 85 | |
| 03 MAR 85 | 1500 | 1681.0 | -.8 | 2 | 1176-82 | 1 | P | C2 | 26 MAR 85 | |
| 10 MAR 85 | 1225 | 1660.4 | -.9 | 2 | 1678-82 | 1 | P | C2 | 27 MAR 85 | |
| 17 MAR 85 | 1330 | 1665.7 | 4.8 | 2 | 808-83 | 1 | P | C2 | 26 MAR 85 | |
| 22 MAR 85 | 1845 | 1662.6 | -.5 | 2 | 944-83 | 1 | P | C2 | 28 MAR 85 | |
| 28 MAR 85 | 1715 | 1698.5 | .8 | 2 | 624-82 | 1 | P | C2 | 10 APR 85 | |
| 13 APR 85 | 1200 | 1678.0 | 4.3 | 2 | 544-83 | 1 | P | C2 | 24 APR 85 | |
| 19 APR 85 | 1950 | 1658.6 | -2.1 | 2 | 1682-82 | 1 | P | C2 | 01 MAY 85 | |
| 26 APR 85 | 1900 | 1679.6 | | 1 | 1662-82 | 1 | P | C2 | 01 MAY 85 | |
| 02 MAY 85 | 1920 | 1674.6 | | 1 | 416-82 | 1 | P | C2 | 22 MAY 85 | |
| 08 MAY 85 | 1945 | 1660.9 | | 1 | 688-83 | 1 | P | C2 | 16 MAY 85 | |
| 16 MAY 85 | 2015 | 1656.0 | -1.9 | 2 | 485-82 | 1 | P | C2 | 29 MAY 85 | |
| 16 MAY 85 | 2015 | 1654.5 | | 1 | 2008-85 | 7 | P | C2 | 29 MAY 85 | |
| 22 MAY 85 | 2000 | 1658.1 | 3.0 | 2 | 1742-82 | 1 | P | C2 | 29 MAY 85 | |
| 28 MAY 85 | 1930 | 1656.4 | | 1 | 786-83 | 1 | P | C2 | 13 JUN 85 | |
| 07 JUN 85 | 1900 | 1648.3 | | 1 | 1292-82 | 1 | P | C2 | 13 JUN 85 | |
| 20 JUN 85 | 1430 | 1664.0 | 4.2 | 2 | 678-83 | 1 | P | C2 | 28 JUN 85 | |
| 06 JUL 85 | 1800 | 1654.0 | | 1 | 1328-82 | 1 | P | C2 | 16 JUL 85 | |
| 16 JUL 85 | 1930 | 1645.1 | -3.1 | 2 | 1688-82 | 1 | P | C2 | 19 JUL 85 | |
| 26 JUL 85 | 1200 | 1644.5 | .2 | 2 | 907-83 | 1 | P | C3 | 13 AUG 85 | |
| 09 AUG 85 | 1600 | 1676.7 | 3.6 | 2 | 1332-82 | 1 | P | C3 | 15 AUG 85 | |
| 16 AUG 85 | 2020 | 1645.6 | 2.2 | 2 | 739-83 | 1 | P | C3 | 26 AUG 85 | |
| 29 AUG 85 | 2155 | 1651.2 | | 1 | 398-85 | 1 | P | C3 | 12 SEP 85 | |
| 07 SEP 85 | 1845 | 1657.6 | | 1 | 1812-82 | 1 | P | C3 | 24 SEP 85 | |
| 14 SEP 85 | 2000 | 1636.7 | .5 | 2 | 1270-82 | 1 | P | C3 | 23 SEP 85 | |
| 23 SEP 85 | 1715 | 1670.1 | 1.3 | 2 | 1818-82 | 1 | P | C3 | 02 OCT 85 | |
| 27 SEP 85 | 2125 | 1655.0 | 2.2 | 2 | 554-85 | 1 | P | C3 | 02 OCT 85 | |
| 04 OCT 85 | 2055 | 1656.0 | 1.5 | 2 | 1316-82 | 1 | P | C3 | 23 OCT 85 | |
| 12 OCT 85 | 1255 | 1679.2 | .6 | 2 | 620-83 | 1 | P | C3 | 23 OCT 85 | |
| 22 OCT 85 | 1600 | 1693.5 | -.6 | 2 | 318-83 | 1 | P | C3 | 19 NOV 85 | |
| 03 NOV 85 | 1715 | 1650.9 | 0.0 | 2 | 726-85 | 1 | P | C3 | 14 NOV 85 | |
| 08 NOV 85 | 2140 | 1699.5 | 3.2 | 2 | 1578-82 | 1 | P | C3 | 19 NOV 85 | |
| 16 NOV 85 | 2050 | 1694.2 | -.8 | 2 | 1386-82 | 1 | P | C3 | 27 NOV 85 | |
| 25 NOV 85 | 1800 | 1701.6 | -3.4 | 2 | 296-83 | 1 | P | C3 | 14 DEC 85 | |
| 29 NOV 85 | 1335 | 1678.7 | .5 | 2 | 872-83 | 1 | P | C3 | 13 DEC 85 | |
| 05 DEC 85 | 1535 | 1686.5 | -.8 | 2 | 906-83 | 1 | P | C3 | 17 DEC 85 | |
| 12 DEC 85 | 1600 | 1696.9 | -1.0 | 2 | 578-83 | 1 | P | C3 | 17 DEC 85 | |
| 20 DEC 85 | 1545 | 1712.5 | -7.2 | 3 | 478-82 | 1 | P | C3 | 04 JAN 86 | |
| 28 DEC 85 | 1934 | 1686.1 | 1.0 | 2 | 544-85 | 1 | P | C3 | 10 JAN 86 | |

Azores (AZR)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 17 MAY 83 | 1000 | 1674.5 | -19.0 | 2 | 218-83 | 1 | P | C1 | 14 JUN 83 | |
| 24 MAY 83 | 1330 | 1681.5 | -1.0 | 2 | 872-81 | 1 | P | C1 | 12 JUN 83 | |
| 13 JUN 83 | 0915 | 1672.0 | 12.0 | 2 | 1716-82 | 1 | P | C1 | 17 JUN 83 | |
| 20 JUL 83 | 1310 | 1640.0 | 20.0 | 2 | 1002-82 | 1 | P | C1 | 28 JUL 83 | |
| 29 JUL 83 | 1610 | 1665.0 | 8.0 | 2 | 192-83 | 1 | P | C1 | 19 AUG 83 | |
| 10 AUG 83 | 1145 | 1672.5 | -7.0 | 2 | 842-81 | 1 | P | C1 | 18 AUG 83 | |
| 25 AUG 83 | 1815 | 1630.0 | 6.0 | 2 | 262-83 | 1 | P | C1 | 14 SEP 83 | |
| 02 SEP 83 | 1200 | 1669.0 | 2.0 | 2 | 230-83 | 1 | P | C2 | 27 SEP 83 | |
| 11 SEP 83 | 1700 | 1661.0 | 2.0 | 2 | 1754-82 | 1 | P | C2 | 28 SEP 83 | |
| 11 SEP 83 | 1700 | 1667.0 | 4.0 | 2 | 1754-82 | 1 | P | C2 | 07 OCT 83 | |
| 24 SEP 83 | 1540 | 1677.0 | 4.0 | 2 | 804-83 | 1 | P | C2 | 06 OCT 83 | |
| 08 OCT 83 | 1435 | 1683.0 | 0.0 | 2 | 704-82 | 1 | P | C1 | 28 OCT 83 | |
| 19 OCT 83 | 1150 | 1666.0 | 2.0 | 2 | 720-83 | 1 | P | C1 | 08 NOV 83 | |
| 31 OCT 83 | 1305 | 1689.5 | -1.0 | 2 | 230-83 | 1 | P | C1 | 13 NOV 83 | |
| 13 NOV 83 | 1800 | 1692.0 | 4.0 | 2 | 936-82 | 1 | P | C2 | 13 DEC 83 | |
| 28 NOV 83 | 1320 | 1658.0 | 0.0 | 2 | 244-83 | 1 | P | C2 | 14 DEC 83 | |
| 10 DEC 83 | 1200 | 1673.5 | 3.0 | 2 | 752-83 | 1 | P | C2 | 28 DEC 83 | |
| 01 JAN 84 | 1300 | 1669.5 | 3.0 | 2 | 90-83 | 1 | P | C2 | 31 JAN 84 | |
| 11 JAN 84 | 1810 | 1701.6 | 4.0 | 3 | 1798-82 | 1 | P | C2 | 01 FEB 84 | |
| 19 JAN 84 | 1800 | 1698.5 | 3.0 | 2 | 402-82 | 1 | P | C2 | 02 FEB 84 | |
| 01 FEB 84 | 1430 | 1670.0 | 4.0 | 2 | 804-82 | 1 | P | C2 | 17 FEB 84 | |
| 28 FEB 84 | 1800 | 1728.5 | 1.0 | 2 | 1040-82 | 1 | P | C2 | 08 MAR 84 | |
| 09 MAR 84 | 1730 | 1687.5 | -1.0 | 2 | 730-82 | 1 | P | C2 | 30 MAR 84 | |
| 22 MAR 84 | 1810 | 1694.5 | 3.0 | 2 | 258-83 | 1 | P | C2 | 12 APR 84 | |
| 31 MAR 84 | 1600 | 1685.5 | -5.0 | 2 | 716-83 | 1 | P | C2 | 12 APR 84 | |
| 17 APR 84 | 1330 | 1695.0 | 1.0 | 3 | 1216-82 | 1 | P | C2 | 03 MAY 84 | |
| 03 MAY 84 | 1820 | 1698.5 | 5.0 | 2 | 1006-82 | 1 | P | C2 | 16 MAY 84 | |
| 11 MAY 84 | 1630 | 1695.0 | -2.0 | 2 | 1194-82 | 1 | P | C2 | 31 MAY 84 | |
| 22 MAY 84 | 2100 | 1673.5 | 1.0 | 2 | 1380-82 | 1 | P | C2 | 15 JUN 84 | |
| 10 JUN 84 | 1000 | 1673.0 | 0.0 | 2 | 1308-82 | 1 | P | C2 | 10 JUL 84 | |
| 22 JUN 84 | 1645 | 1690.0 | -2.0 | 2 | 974-83 | 1 | P | C2 | 10 JUL 84 | |
| 15 JUL 84 | 2110 | 1633.0 | 0.0 | 2 | 1688-82 | 1 | P | C2 | 31 JUL 84 | |
| 24 JUL 84 | 1320 | 1666.5 | 1.0 | 2 | 1190-82 | 1 | P | C2 | 13 AUG 84 | |
| 17 SEP 84 | 2000 | 1700.7 | -.1 | 2 | 1742-82 | 1 | P | C2 | 16 OCT 84 | |
| 25 SEP 84 | 1705 | 1677.4 | -1.5 | 2 | 1588-82 | 1 | P | C2 | 18 OCT 84 | |
| 07 OCT 84 | 1815 | 1689.3 | .2 | 2 | 50-83 | 1 | P | C2 | 17 OCT 84 | |
| 15 OCT 84 | 1830 | 1698.1 | .9 | 2 | 524-82 | 1 | P | C2 | 01 NOV 84 | |
| 21 OCT 84 | 1400 | 1669.8 | -.9 | 2 | 704-82 | 1 | P | C2 | 14 NOV 84 | |
| 18 NOV 84 | 1800 | 1726.5 | | 1 | 1224-82 | 1 | P | C2 | 04 DEC 84 | |
| 01 DEC 84 | 1100 | 1719.8 | 4.3 | 2 | 1742-82 | 1 | P | C2 | 18 DEC 84 | |
| 15 DEC 84 | 1330 | 1697.2 | | 1 | 1484-82 | 1 | P | C2 | 03 JAN 85 | |
| 15 DEC 84 | 1330 | 1707.2 | | 1 | 1484-82 | 1 | P | C2 | 08 JAN 85 | |
| 24 DEC 84 | 1230 | 1712.4 | -4.7 | 2 | 526-82 | 1 | P | C2 | 05 FEB 85 | |
| 28 JAN 85 | 1330 | 1682.7 | -.7 | 2 | 8-83 | 1 | P | C2 | 05 FEB 85 | |
| 22 FEB 85 | 1430 | 1713.4 | -.2 | 2 | 488-82 | 1 | P | C2 | 26 MAR 85 | |
| 04 MAR 85 | 1430 | 1708.9 | 4.2 | 2 | 704-82 | 1 | P | C2 | 26 MAR 85 | |
| 10 MAR 85 | 1805 | 1697.6 | | 1 | 790-83 | 1 | P | C2 | 26 MAR 85 | |
| 17 MAR 85 | 1830 | 1761.5 | -9.4 | 2 | 210-83 | 1 | P | C2 | 26 MAR 85 | + |
| 13 APR 85 | 0930 | 1714.1 | -.2 | 2 | 718-83 | 1 | P | C2 | 24 APR 85 | |
| 25 APR 85 | 1620 | 1709.4 | 4.1 | 2 | 1648-82 | 1 | P | C2 | 07 MAY 85 | |
| 06 MAY 85 | 1700 | 1722.1 | 1.5 | 2 | 58-83 | 1 | P | C2 | 16 MAY 85 | |
| 13 MAY 85 | 1830 | 1698.8 | -.2 | 2 | 548-83 | 1 | P | C2 | 22 MAY 85 | |
| 21 MAY 85 | 2030 | 1733.4 | 2.8 | 2 | 1274-82 | 1 | P | C2 | 29 MAY 85 | |
| 12 JUN 85 | 1545 | 1689.4 | -.6 | 2 | 1310-82 | 1 | P | C2 | 28 JUN 85 | |
| 08 JUL 85 | 1736 | 1686.6 | -1.6 | 2 | 876-83 | 1 | P | C2 | 24 JUL 85 | |
| 20 JUL 85 | 1709 | 1655.5 | 1.0 | 2 | 920-82 | 1 | P | C2 | 31 JUL 85 | |
| 28 JUL 85 | 2002 | 1709.5 | 5.1 | 2 | 976-83 | 1 | P | C3 | 12 AUG 85 | |
| 11 SEP 85 | 2035 | 1711.8 | -2.5 | 2 | 938-83 | 1 | P | C3 | 09 OCT 85 | |
| 19 SEP 85 | 1246 | 1686.0 | 2.4 | 2 | 804-83 | 1 | P | C3 | 02 OCT 85 | |
| 26 OCT 85 | 2300 | 1718.6 | 2.7 | 2 | 522-83 | 1 | P | C3 | 05 NOV 85 | |
| 27 OCT 85 | 2000 | 1721.2 | -4.4 | 2 | 690-83 | 1 | P | C3 | 19 NOV 85 | |
| 27 NOV 85 | 1800 | 1690.2 | -2.8 | 2 | 1202-82 | 1 | P | C3 | 03 JAN 86 | |
| 16 DEC 85 | 2000 | 1712.4 | 2.2 | 2 | 636-83 | 1 | P | C4 | 12 FEB 86 | |
| 27 DEC 85 | 2000 | 1715.4 | 3.2 | 2 | 694-83 | 1 | P | C4 | 12 FEB 86 | |

Pt. Barrow, Alaska (BRW)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 06 APR 83 | 2145 | 1699.0 | 0.0 | 3 | 759-82 | 1 | P | C1 | 27 APR 83 | |
| 06 APR 83 | 2145 | 1696.2 | -18.0 | 4 | 760-82 | 1 | P | C1 | 27 APR 83 | |
| 14 APR 83 | 2235 | 1698.0 | 25.0 | 3 | 147-82 | 1 | P | C1 | 29 APR 83 | |
| 14 APR 83 | 2235 | 1705.5 | -5.0 | 2 | 148-82 | 1 | P | C1 | 29 APR 83 | |
| 17 MAY 83 | 2030 | 1681.0 | 8.0 | 2 | 148-83 | 1 | P | C1 | 25 MAY 83 | |
| 17 MAY 83 | 2035 | 1659.0 | 2.0 | 2 | 223-83 | 1 | P | C1 | 01 JUN 83 | |
| 17 MAY 83 | 2035 | 1667.5 | 5.0 | 2 | 224-83 | 1 | P | C1 | 01 JUN 83 | |
| 24 MAY 83 | 2127 | 1687.0 | -2.0 | 2 | 1002-81 | 1 | P | C1 | 02 JUN 83 | |
| 24 MAY 83 | 2217 | 1678.5 | 1.0 | 2 | 83-83 | 1 | P | C1 | 01 JUN 83 | |
| 24 MAY 83 | 2217 | 1670.5 | -5.0 | 2 | 84-83 | 1 | P | C1 | 01 JUN 83 | |
| 01 JUN 83 | 2125 | 1697.0 | -8.0 | 2 | 798-81 | 1 | P | C1 | 08 JUN 83 | |
| 14 JUN 83 | 2127 | 1692.0 | -2.0 | 2 | 210-83 | 1 | P | C1 | 17 JUN 83 | |
| 23 JUN 83 | 9999 | 1668.0 | 12.0 | 2 | 1564-82 | 1 | P | C1 | 06 JUL 83 | |
| 25 JUN 83 | 9999 | 1671.5 | -7.0 | 2 | 994-81 | 1 | P | C1 | 06 JUL 83 | |
| 04 JUL 83 | 2130 | 1690.3 | -14.0 | 3 | 46-83 | 1 | P | C1 | 28 JUL 83 | |
| 05 JUL 83 | 2130 | 1671.0 | 0.0 | 2 | 760-82 | 1 | P | C1 | 13 JUL 83 | |
| 05 JUL 83 | 9999 | 1685.0 | -12.0 | 2 | 1806-82 | 1 | P | C1 | 21 JUL 83 | |
| 26 JUL 83 | 2225 | 1667.5 | 15.0 | 2 | 216-83 | 1 | P | C1 | 06 AUG 83 | |
| 08 AUG 83 | 2125 | 1706.5 | -5.0 | 2 | 862-81 | 1 | P | C1 | 18 AUG 83 | |
| 15 AUG 83 | 2230 | 1669.0 | -4.0 | 2 | 304-82 | 1 | P | C1 | 02 SEP 83 | |
| 15 AUG 83 | 2230 | 1665.5 | 5.0 | 2 | 912-82 | 1 | P | C1 | 19 AUG 83 | |
| 02 SEP 83 | 2300 | 1712.5 | -1.0 | 2 | 1709-82 | 1 | P | C1 | 15 SEP 83 | |
| 12 SEP 83 | 2330 | 1684.0 | 0.0 | 2 | 768-83 | 1 | P | C2 | 27 SEP 83 | |
| 23 SEP 83 | 2158 | 1705.0 | -2.0 | 2 | 164-84 | 1 | P | C2 | 28 SEP 83 | |
| 26 SEP 83 | 2130 | 1726.5 | 5.0 | 2 | 626-83 | 1 | P | C2 | 07 OCT 83 | |
| 04 OCT 83 | 2130 | 1735.9 | -2.0 | 2 | 244-83 | 1 | P | C1 | 18 OCT 83 | |
| 11 OCT 83 | 2130 | 1702.5 | -3.0 | 2 | 74-83 | 1 | P | C1 | 18 OCT 83 | |
| 26 OCT 83 | 2312 | 1743.9 | 0.0 | 2 | 718-83 | 1 | P | C1 | 08 NOV 83 | |
| 02 NOV 83 | 2130 | 1714.0 | 8.0 | 2 | 806-83 | 1 | P | C1 | 08 NOV 83 | |
| 09 NOV 83 | 2025 | 1710.0 | -2.0 | 2 | 814-83 | 1 | P | C2 | 07 DEC 83 | |
| 15 NOV 83 | 2125 | 1721.5 | 3.0 | 2 | 632-82 | 1 | P | C2 | 07 DEC 83 | |
| 23 NOV 83 | 2126 | 1711.0 | 0.0 | 2 | 926-83 | 1 | P | C2 | 13 DEC 83 | |
| 30 NOV 83 | 2224 | 1697.5 | -1.0 | 2 | 750-82 | 1 | P | C2 | 08 DEC 83 | |
| 06 DEC 83 | 2326 | 1698.0 | -2.0 | 2 | 628-82 | 1 | P | C2 | 14 DEC 83 | |
| 14 DEC 83 | 2226 | 1724.0 | 6.0 | 2 | 1758-82 | 1 | P | C2 | 24 DEC 83 | |
| 19 DEC 83 | 2130 | 1717.5 | 1.0 | 2 | 946-83 | 1 | P | C2 | 28 DEC 83 | |
| 27 DEC 83 | 9999 | 1697.0 | 0.0 | 2 | 178-82 | 1 | P | C2 | 03 JAN 84 | |
| 03 JAN 84 | 2130 | 1745.5 | 5.0 | 2 | 122-83 | 1 | P | C2 | 17 JAN 84 | |
| 09 JAN 84 | 2130 | 1726.0 | 12.0 | 2 | 628-82 | 1 | P | C2 | 17 JAN 84 | |
| 17 JAN 84 | 2130 | 1704.0 | 6.0 | 2 | 930-83 | 1 | P | C2 | 31 JAN 84 | |
| 25 JAN 84 | 2130 | 1763.3 | 2.0 | 3 | 796-83 | 1 | P | C2 | 02 FEB 84 | |
| 01 FEB 84 | 2130 | 1805.9 | 4.0 | 2 | 720-83 | 1 | P | C2 | 07 FEB 84 | |
| 06 FEB 84 | 2130 | 1739.0 | -4.0 | 2 | 1668-82 | 1 | P | C2 | 17 FEB 84 | |
| 14 FEB 84 | 2130 | 1740.9 | 0.0 | 2 | 1608-82 | 1 | P | C2 | 04 MAR 84 | |
| 22 FEB 84 | 2130 | 1762.4 | 3.0 | 2 | 100-83 | 1 | P | C2 | 05 MAR 84 | |
| 28 FEB 84 | 2130 | 1751.4 | -3.0 | 2 | 788-83 | 1 | P | C2 | 05 MAR 84 | |
| 05 MAR 84 | 2130 | 1726.0 | -2.0 | 2 | 388-82 | 1 | P | C2 | 29 MAR 84 | |
| 12 MAR 84 | 2030 | 1739.0 | 0.0 | 2 | 780-83 | 1 | P | C2 | 30 MAR 84 | |
| 19 MAR 84 | 2130 | 1728.0 | -2.0 | 2 | 1820-82 | 1 | P | C2 | 02 APR 84 | |
| 29 MAR 84 | 2125 | 1722.0 | -2.0 | 2 | 256-83 | 1 | P | C2 | 12 APR 84 | |
| 03 APR 84 | 2126 | 1713.0 | -2.0 | 2 | 1056-82 | 1 | P | C2 | 12 APR 84 | |
| 11 APR 84 | 9999 | 1726.5 | 3.0 | 2 | 1486-82 | 1 | P | C2 | 17 APR 84 | |
| 18 APR 84 | 2125 | 1713.5 | 1.0 | 2 | 1092-82 | 1 | P | C2 | 24 APR 84 | |
| 23 APR 84 | 2224 | 1719.0 | 2.0 | 2 | 932-83 | 1 | P | C2 | 03 MAY 84 | |
| 30 APR 84 | 2125 | 1712.5 | 5.0 | 2 | 736-83 | 1 | P | C2 | 03 MAY 84 | |
| 01 MAY 84 | 2310 | 1720.5 | -3.0 | 2 | 1010-82 | 1 | P | C2 | 16 MAY 84 | |
| 02 MAY 84 | 2300 | 1710.5 | -1.0 | 2 | 613-83 | 1 | P | C2 | 16 MAY 84 | |
| 03 MAY 84 | 2330 | 1713.0 | 2.0 | 2 | 614-83 | 1 | P | C2 | 16 MAY 84 | |
| 04 MAY 84 | 2313 | 1834.4 | 1.0 | 2 | 813-83 | 1 | P | C2 | 23 MAY 84 | + |
| 05 MAY 84 | 2343 | 1707.0 | 4.0 | 2 | 814-83 | 1 | P | C2 | 23 MAY 84 | |
| 06 MAY 84 | 2211 | 1719.5 | 5.0 | 2 | 1349-82 | 1 | P | C2 | 23 MAY 84 | |
| 07 MAY 84 | 2230 | 1712.5 | -3.0 | 2 | 1350-82 | 1 | P | C2 | 23 MAY 84 | |
| 10 MAY 84 | 0114 | 1721.5 | 1.0 | 2 | 1701-82 | 1 | P | C2 | 23 MAY 84 | |
| 11 MAY 84 | 0038 | 1708.5 | -5.0 | 2 | 807-83 | 1 | P | C2 | 23 MAY 84 | |

Pt. Barrow, Alaska (BRW)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 11 MAY 84 | 0111 | 1715.5 | -3.0 | 2 | 808-83 | 1 | P | C2 | 23 MAY 84 | |
| 13 MAY 84 | 0200 | 1716.5 | -5.0 | 2 | 115-84 | 1 | P | C2 | 23 MAY 84 | |
| 13 MAY 84 | 2205 | 1711.0 | 2.0 | 2 | 116-84 | 1 | P | C2 | 23 MAY 84 | |
| 16 MAY 84 | 1911 | 1704.0 | 6.0 | 2 | 754-83 | 1 | P | C2 | 23 MAY 84 | |
| 18 MAY 84 | 2242 | 1707.0 | 0.0 | 2 | 753-83 | 1 | P | C2 | 23 MAY 84 | |
| 24 MAY 84 | 1930 | 1706.5 | 7.0 | 2 | 764-83 | 1 | P | C2 | 31 MAY 84 | |
| 30 MAY 84 | 2026 | 1706.0 | -4.0 | 2 | 976-83 | 1 | P | C2 | 15 JUN 84 | |
| 04 JUN 84 | 2130 | 1704.5 | 1.0 | 2 | 806-83 | 1 | P | C2 | 14 JUN 84 | |
| 11 JUN 84 | 2033 | 1712.0 | 4.0 | 2 | 1242-82 | 1 | P | C2 | 14 JUN 84 | |
| 18 JUN 84 | 2126 | 1685.5 | -3.0 | 2 | 1366-82 | 1 | P | C2 | 10 JUL 84 | |
| 25 JUN 84 | 2130 | 1699.5 | 1.0 | 2 | 772-83 | 1 | P | C2 | 02 JUL 84 | |
| 02 JUL 84 | 2126 | 1703.6 | 10.0 | 3 | 34-82 | 1 | P | C2 | 11 JUL 84 | |
| 09 JUL 84 | 2126 | 1697.5 | -1.0 | 2 | 1324-82 | 1 | P | C2 | 12 JUL 84 | |
| 20 JUL 84 | 2240 | 1685.0 | 0.0 | 2 | 948-83 | 1 | P | C2 | 01 AUG 84 | |
| 24 JUL 84 | 2226 | 1741.5 | 3.0 | 2 | 1540-82 | 1 | P | C2 | 31 JUL 84 | |
| 30 JUL 84 | 2230 | 1694.5 | 1.0 | 2 | 258-82 | 1 | P | C2 | 13 AUG 84 | |
| 09 AUG 84 | 2107 | 1705.0 | 0.0 | 2 | 1192-82 | 1 | P | C2 | 07 SEP 84 | |
| 17 AUG 84 | 0000 | 1695.5 | 5.0 | 2 | 538-82 | 1 | P | C2 | 05 SEP 84 | |
| 23 AUG 84 | 2128 | 1715.5 | -1.0 | 2 | 1820-82 | 1 | P | C2 | 05 SEP 84 | |
| 29 AUG 84 | 2305 | 1717.5 | -3.0 | 2 | 1796-82 | 1 | P | C2 | 11 SEP 84 | |
| 03 SEP 84 | 2115 | 1705.0 | -2.0 | 2 | 744-83 | 1 | P | C2 | 10 SEP 84 | |
| 10 SEP 84 | 2117 | 1719.5 | -1.0 | 2 | 34-82 | 1 | P | C2 | 22 SEP 84 | |
| 17 SEP 84 | 2244 | 1761.4 | -3.0 | 2 | 1416-82 | 1 | P | C2 | 21 SEP 84 | |
| 24 SEP 84 | 2117 | 1847.9 | 0.0 | 2 | 760-83 | 1 | P | C2 | 28 SEP 84 | + |
| 01 OCT 84 | 2115 | 1716.9 | 2.6 | 2 | 626-83 | 1 | P | C2 | 17 OCT 84 | |
| 08 OCT 84 | 2155 | 1717.0 | -1.8 | 2 | 1690-82 | 1 | P | C2 | 18 OCT 84 | |
| 17 OCT 84 | 0035 | 1747.1 | 3.2 | 2 | 790-83 | 1 | P | C2 | 02 NOV 84 | |
| 22 OCT 84 | 2125 | 1726.5 | -2.1 | 2 | 502-82 | 1 | P | C2 | 01 NOV 84 | |
| 29 OCT 84 | 2308 | 1752.9 | 1.7 | 2 | 1540-82 | 1 | P | C2 | 14 NOV 84 | |
| 05 NOV 84 | 2202 | 1725.1 | -2.8 | 2 | 926-83 | 1 | P | C2 | 15 NOV 84 | |
| 12 NOV 84 | 2222 | 1721.1 | 1.9 | 2 | 120-84 | 1 | P | C2 | 15 NOV 84 | |
| 19 NOV 84 | 2207 | 1720.7 | 2.8 | 2 | 90-83 | 1 | P | C2 | 27 NOV 84 | |
| 26 NOV 84 | 2044 | 1718.6 | -2.3 | 2 | 974-83 | 1 | P | C2 | 06 DEC 84 | |
| 03 DEC 84 | 2212 | 1728.5 | -2.9 | 2 | 932-82 | 1 | P | C2 | 06 DEC 84 | |
| 10 DEC 84 | 2248 | 1730.1 | -1.1 | 2 | 682-82 | 1 | P | C2 | 18 DEC 84 | |
| 17 DEC 84 | 2228 | 1728.4 | 2.0 | 2 | 278-82 | 1 | P | C2 | 08 JAN 85 | |
| 24 DEC 84 | 2249 | 1770.4 | -.9 | 2 | 938-83 | 1 | P | C2 | 08 JAN 85 | |
| 07 JAN 85 | 2256 | 1756.7 | 1.4 | 2 | 502-82 | 1 | P | C2 | 16 JAN 85 | |
| 10 JAN 85 | 2250 | 1752.6 | -5.2 | 2 | 624-83 | 1 | P | C2 | 17 JAN 85 | |
| 16 JAN 85 | 2158 | 1740.2 | -2.8 | 2 | 538-82 | 1 | P | C2 | 24 JAN 85 | |
| 23 JAN 85 | 2140 | 1733.2 | -.9 | 2 | 2-83 | 1 | P | C2 | 04 FEB 85 | |
| 30 JAN 85 | 2041 | 1725.2 | -.5 | 2 | 1146-82 | 1 | P | C2 | 05 FEB 85 | |
| 07 FEB 85 | 2349 | 1724.9 | -1.9 | 2 | 942-83 | 1 | P | C2 | 13 FEB 85 | |
| 24 FEB 85 | 2047 | 1752.6 | .5 | 2 | 1683-82 | 1 | P | C2 | 27 FEB 85 | |
| 24 FEB 85 | 2047 | 1753.2 | -.6 | 2 | 1684-82 | 1 | P | C2 | 27 FEB 85 | |
| 02 MAR 85 | 0001 | 1738.1 | -.1 | 2 | 470-82 | 1 | S | C2 | 25 MAR 85 | |
| 07 MAR 85 | 0008 | 1739.3 | .1 | 2 | 1310-82 | 1 | P | C2 | 25 MAR 85 | |
| 13 MAR 85 | 9999 | 1753.8 | -3.3 | 2 | 1612-82 | 1 | P | C2 | 27 MAR 85 | |
| 22 MAR 85 | 0135 | 1727.5 | -2.7 | 2 | 1306-82 | 1 | P | C2 | 26 MAR 85 | |
| 01 APR 85 | 0450 | 1755.0 | 2.7 | 2 | 1146-82 | 1 | P | C2 | 10 APR 85 | |
| 04 APR 85 | 0019 | 1736.0 | .5 | 2 | 864-83 | 1 | P | C2 | 11 APR 85 | |
| 10 APR 85 | 2107 | 1731.5 | -1.4 | 2 | 232-83 | 1 | P | C2 | 12 APR 85 | |
| 11 APR 85 | 2246 | 1772.8 | .2 | 2 | 808-83 | 1 | P | C2 | 16 APR 85 | |
| 11 APR 85 | 2300 | 1782.8 | -.6 | 2 | 2006-85 | 7 | P | C2 | 16 APR 85 | |
| 17 APR 85 | 2027 | 1743.3 | 2.8 | 2 | 860-81 | 1 | P | C2 | 23 APR 85 | |
| 24 APR 85 | 2145 | 1733.1 | .8 | 2 | 175-83 | 1 | P | C2 | 01 MAY 85 | |
| 24 APR 85 | 2145 | 1733.5 | 2.1 | 2 | 2003-85 | 1 | P | C2 | 01 MAY 85 | |
| 01 MAY 85 | 2039 | 1751.7 | .2 | 2 | 696-82 | 1 | P | C2 | 07 MAY 85 | |
| 08 MAY 85 | 2036 | 1736.3 | 3.5 | 2 | 828-83 | 1 | P | C2 | 16 MAY 85 | |
| 15 MAY 85 | 1912 | 1738.4 | 1.3 | 2 | 210-83 | 1 | P | C2 | 22 MAY 85 | |
| 26 MAY 85 | 0200 | 1724.6 | 4.1 | 2 | 886-83 | 1 | P | C2 | 11 JUN 85 | |
| 29 MAY 85 | 1949 | 1718.1 | -.3 | 2 | 1732-82 | 1 | P | C2 | 11 JUN 85 | |
| 05 JUN 85 | 2040 | 1710.8 | -2.4 | 2 | 950-83 | 1 | P | C2 | 11 JUN 85 | |
| 12 JUN 85 | 1914 | 1705.3 | -.8 | 2 | 932-83 | 1 | P | C2 | 28 JUN 85 | |
| 19 JUN 85 | 2057 | 1717.3 | -2.0 | 2 | 628-82 | 1 | P | C2 | 28 JUN 85 | |

Pt. Barrow, Alaska (BRW)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 26 JUN 85 | 2146 | 1713.3 | -1.2 | 2 | 670-83 | 1 | P | C2 | 09 JUL 85 | |
| 08 JUL 85 | 2115 | 1698.0 | -3.0 | 2 | 740-83 | 1 | P | C2 | 24 JUL 85 | |
| 11 JUL 85 | 2337 | 1690.9 | -.8 | 2 | 812-82 | 1 | P | C2 | 19 JUL 85 | |
| 18 JUL 85 | 2340 | 1693.8 | .4 | 2 | 1408-82 | 1 | P | C2 | 24 JUL 85 | |
| 24 JUL 85 | 2255 | 1687.0 | -.2 | 2 | 700-83 | 1 | P | C2 | 31 JUL 85 | |
| 05 AUG 85 | 2355 | 1717.6 | -1.1 | 2 | 1538-82 | 1 | P | C3 | 12 AUG 85 | |
| 13 AUG 85 | 2353 | 1695.0 | .7 | 2 | 921-83 | 1 | P | C3 | 26 AUG 85 | |
| 21 AUG 85 | 0030 | 1712.1 | -.2 | 2 | 968-83 | 1 | P | C3 | 26 AUG 85 | |
| 23 AUG 85 | 2336 | 1709.2 | -.2 | 2 | 160-83 | 1 | P | C3 | 11 SEP 85 | |
| 03 SEP 85 | 2355 | 1707.0 | 2.0 | 2 | 490-82 | 1 | P | C3 | 12 SEP 85 | |
| 06 SEP 85 | 2355 | 1715.4 | 2.5 | 2 | 1260-82 | 1 | P | C3 | 12 SEP 85 | |
| 11 SEP 85 | 2312 | 1727.6 | .7 | 2 | 664-83 | 1 | P | C3 | 24 SEP 85 | |
| 27 SEP 85 | 2350 | 1731.5 | 1.1 | 2 | 1222-82 | 1 | P | C3 | 09 OCT 85 | |
| 28 SEP 85 | 9999 | 1727.4 | -6.2 | 2 | 1204-82 | 1 | S | C3 | 02 OCT 85 | |
| 04 OCT 85 | 0026 | 1742.0 | 1.0 | 2 | 1262-82 | 1 | P | C3 | 09 OCT 85 | |
| 11 OCT 85 | 1925 | 1791.9 | -.3 | 2 | 898-82 | 1 | P | C3 | 23 OCT 85 | |
| 30 OCT 85 | 0155 | 1738.2 | .3 | 2 | 1332-82 | 1 | P | C3 | 19 NOV 85 | |
| 06 NOV 85 | 0025 | 1741.2 | .5 | 2 | 2014-85 | 7 | P | C3 | 13 NOV 85 | |
| 20 NOV 85 | 0102 | 1770.9 | -.7 | 2 | 1298-82 | 1 | P | C3 | 27 NOV 85 | |
| 26 NOV 85 | 0137 | 1746.9 | 4.9 | 2 | 2080-85 | 7 | P | C3 | 14 DEC 85 | |
| 04 DEC 85 | 0012 | 1738.7 | .4 | 2 | 2078-85 | 7 | P | C3 | 17 DEC 85 | |
| 04 DEC 85 | 0012 | 1739.2 | -.3 | 2 | 2877-85 | 1 | P | C3 | 17 DEC 85 | |
| 08 DEC 85 | 0155 | 1766.2 | -5.7 | 2 | 2079-85 | 1 | P | C3 | 04 JAN 86 | |
| 08 DEC 85 | 0155 | 1763.3 | 2.7 | 2 | 2880-85 | 7 | P | C3 | 13 DEC 85 | |
| 08 DEC 85 | 0155 | 1765.7 | -4.4 | 2 | 2880-85 | 7 | P | C3 | 03 JAN 86 | |
| 11 DEC 85 | 2107 | 1731.3 | -8.1 | 3 | 2016-85 | 7 | P | C3 | 04 JAN 86 | |
| 11 DEC 85 | 2107 | 1727.9 | 2.0 | 2 | 2815-85 | 1 | P | C3 | 03 JAN 86 | |
| 31 DEC 85 | 0015 | 1750.0 | -1.0 | 2 | 2039-85 | 1 | P | C3 | 09 JAN 86 | |
| 31 DEC 85 | 0015 | 1751.9 | 1.6 | 2 | 2840-85 | 7 | P | C3 | 09 JAN 86 | |

Cold Bay, Alaska (CBA)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 MAY 83 | 0015 | 1681.0 | -14.0 | 2 | 778-82 | 1 | P | C1 | 19 MAY 83 | |
| 23 MAY 83 | 0935 | 1682.5 | 5.0 | 2 | 784-82 | 1 | P | C1 | 25 MAY 83 | |
| 19 JUN 83 | 1710 | 1676.0 | 2.0 | 2 | 304-82 | 1 | P | C1 | 28 JUN 83 | |
| 26 JUN 83 | 2025 | 1679.0 | -8.0 | 2 | 1776-82 | 1 | P | C1 | 06 JUL 83 | |
| 28 JUL 83 | 1914 | 1662.0 | 2.0 | 2 | 400-82 | 1 | P | C1 | 06 AUG 83 | |
| 05 AUG 83 | 1806 | 1664.5 | 3.0 | 2 | 112-83 | 1 | P | C1 | 18 AUG 83 | |
| 12 SEP 83 | 0905 | 1697.0 | -42.0 | 2 | 790-83 | 1 | P | C2 | 27 SEP 83 | |
| 25 SEP 83 | 1803 | 1711.0 | -8.0 | 2 | 1796-82 | 1 | P | C2 | 06 OCT 83 | |
| 06 OCT 83 | 1640 | 1735.5 | -3.0 | 2 | 730-82 | 1 | P | C1 | 18 OCT 83 | |
| 20 OCT 83 | 1850 | 1694.0 | -6.0 | 2 | 796-83 | 1 | P | C1 | 28 OCT 83 | |
| 01 NOV 83 | 0935 | 1710.5 | -3.0 | 2 | 28-83 | 1 | P | C1 | 08 NOV 83 | |
| 14 NOV 83 | 0745 | 1698.5 | 5.0 | 2 | 1154-82 | 1 | P | C2 | 07 DEC 83 | |
| 04 DEC 83 | 0245 | 1713.5 | -1.0 | 2 | 1498-82 | 1 | P | C2 | 14 DEC 83 | |
| 08 DEC 83 | 1817 | 1692.0 | -6.0 | 2 | 258-83 | 1 | P | C2 | 27 DEC 83 | |
| 19 DEC 83 | 0730 | 1688.0 | -4.0 | 2 | 100-83 | 1 | P | C2 | 27 DEC 83 | |
| 02 JAN 84 | 2145 | 1711.0 | 8.0 | 2 | 484-82 | 1 | P | C2 | 18 JAN 84 | |
| 15 JAN 84 | 1900 | 1688.0 | -4.0 | 2 | 1814-82 | 1 | P | C2 | 18 JAN 84 | |
| 22 JAN 84 | 1920 | 1731.0 | -2.0 | 2 | 934-83 | 1 | P | C2 | 02 FEB 84 | |
| 29 JAN 84 | 1745 | 1708.0 | 4.0 | 2 | 1634-82 | 1 | P | C2 | 03 FEB 84 | |
| 09 FEB 84 | 2030 | 1718.5 | 3.0 | 2 | 214-83 | 1 | P | C2 | 17 FEB 84 | |
| 16 FEB 84 | 1905 | 1720.5 | 1.0 | 2 | 734-83 | 1 | P | C2 | 08 MAR 84 | |
| 24 FEB 84 | 0740 | 1728.0 | -4.0 | 2 | 1814-82 | 1 | P | C2 | 05 MAR 84 | |
| 04 MAR 84 | 1800 | 1774.4 | -3.0 | 2 | 76-83 | 1 | P | C2 | 08 MAR 84 | |
| 18 MAR 84 | 1130 | 1699.0 | -2.0 | 2 | 954-83 | 1 | P | C2 | 31 MAR 84 | |
| 25 MAR 84 | 1820 | 1701.5 | -1.0 | 2 | 1612-82 | 1 | P | C2 | 02 APR 84 | |
| 19 APR 84 | 2103 | 1712.5 | 3.0 | 2 | 788-83 | 1 | P | C2 | 24 APR 84 | |
| 04 MAY 84 | 0325 | 1714.5 | -1.0 | 2 | 1154-82 | 1 | P | C2 | 16 MAY 84 | |
| 17 MAY 84 | 1640 | 1701.0 | 0.0 | 2 | 286-83 | 1 | P | C2 | 31 MAY 84 | |
| 20 MAY 84 | 1810 | 1693.0 | 6.0 | 2 | 24-83 | 1 | P | C2 | 31 MAY 84 | |
| 31 MAY 84 | 2000 | 1702.5 | 3.0 | 2 | 1000-82 | 1 | P | C2 | 15 JUN 84 | |
| 07 JUN 84 | 1745 | 1685.0 | -2.0 | 2 | 1246-82 | 1 | P | C2 | 14 JUN 84 | |
| 14 JUN 84 | 1730 | 1689.0 | | 1 | 958-83 | 1 | P | C2 | 11 JUL 84 | |
| 21 JUN 84 | 1100 | 1686.0 | 2.0 | 2 | 106-84 | 1 | P | C2 | 10 JUL 84 | |
| 08 JUL 84 | 1450 | 1679.0 | 2.0 | 2 | 1675-82 | 1 | P | C2 | 12 JUL 84 | |
| 26 JUL 84 | 2115 | 1674.5 | 5.0 | 2 | 1607-82 | 1 | P | C2 | 01 AUG 84 | |
| 03 AUG 84 | 1740 | 1673.5 | 1.0 | 2 | 106-83 | 1 | P | C2 | 14 AUG 84 | |
| 09 AUG 84 | 0935 | 1672.5 | 3.0 | 2 | 632-82 | 1 | P | C2 | 14 AUG 84 | |
| 12 AUG 84 | 2100 | 1670.0 | 0.0 | 2 | 1534-82 | 1 | P | C2 | 10 SEP 84 | |
| 19 AUG 84 | 1800 | 1711.5 | -1.0 | 2 | 968-83 | 1 | P | C2 | 07 SEP 84 | |
| 26 AUG 84 | 1725 | 1725.5 | 5.0 | 2 | 1668-82 | 1 | P | C2 | 11 SEP 84 | |
| 02 SEP 84 | 2116 | 1697.5 | 1.0 | 2 | 1160-82 | 1 | P | C2 | 10 SEP 84 | |
| 09 SEP 84 | 2220 | 1715.0 | | 1 | 166-83 | 1 | P | C2 | 22 SEP 84 | |
| 16 SEP 84 | 1725 | 1707.0 | -2.0 | 2 | 1686-82 | 1 | P | C2 | 21 SEP 84 | |
| 01 OCT 84 | 0605 | 1709.0 | 3.2 | 2 | 1082-82 | 1 | P | C2 | 18 OCT 84 | |
| 07 OCT 84 | 2230 | 1707.5 | 3.6 | 2 | 484-82 | 1 | P | C2 | 30 OCT 84 | |
| 14 OCT 84 | 2215 | 1723.0 | -.9 | 2 | 836-82 | 1 | P | C2 | 18 OCT 84 | |
| 22 OCT 84 | 1735 | 1737.0 | .1 | 2 | 1386-82 | 1 | P | C2 | 14 NOV 84 | |
| 28 OCT 84 | 2000 | 1709.6 | 3.5 | 2 | 542-82 | 1 | P | C2 | 01 NOV 84 | |
| 04 NOV 84 | 1915 | 1712.5 | -.5 | 2 | 1676-82 | 1 | P | C2 | 14 NOV 84 | |
| 11 NOV 84 | 2000 | 1718.0 | 2.4 | 2 | 10-83 | 1 | P | C2 | 23 NOV 84 | |
| 22 NOV 84 | 2030 | 1712.9 | 0.0 | 2 | 1162-82 | 1 | P | C2 | 27 NOV 84 | |
| 30 NOV 84 | 0030 | 1723.3 | -5.5 | 2 | 244-83 | 1 | P | C2 | 04 DEC 84 | |
| 02 DEC 84 | 2005 | 1717.4 | -.1 | 2 | 1076-82 | 1 | P | C2 | 18 DEC 84 | |
| 13 DEC 84 | 2130 | 1733.8 | 2.3 | 2 | 932-83 | 1 | P | C2 | 19 DEC 84 | |
| 20 DEC 84 | 9999 | 1728.3 | 5.1 | 2 | 836-82 | 1 | P | C2 | 09 JAN 85 | |
| 27 DEC 84 | 1905 | 1691.4 | 1.5 | 2 | 1485-82 | 1 | P | C2 | 08 JAN 85 | |
| 03 JAN 85 | 1945 | 1728.3 | 2.3 | 2 | 1128-82 | 1 | P | C2 | 09 JAN 85 | |
| 10 JAN 85 | 1700 | 1713.5 | 4.4 | 2 | 756-83 | 1 | P | C2 | 17 JAN 85 | |
| 17 JAN 85 | 2130 | 1719.4 | 3.2 | 2 | 1652-82 | 1 | P | C2 | 24 JAN 85 | |
| 31 JAN 85 | 2015 | 1707.4 | .2 | 2 | 624-82 | 1 | P | C2 | 05 FEB 85 | |
| 07 FEB 85 | 1847 | 1720.8 | -4.3 | 2 | 776-82 | 1 | P | C2 | 13 FEB 85 | |
| 15 FEB 85 | 2015 | 1727.7 | 3.4 | 2 | 944-83 | 1 | P | C2 | 27 FEB 85 | |
| 22 FEB 85 | 0100 | 1738.7 | -3.4 | 2 | 894-83 | 1 | P | C2 | 27 FEB 85 | |
| 24 FEB 85 | 1815 | 1746.3 | 5.5 | 2 | 1740-82 | 1 | P | C2 | 25 MAR 85 | |

Cold Bay, Alaska (CBA)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 09 MAR 85 | 1900 | 1723.2 | -.2 | 2 | 834-83 | 1 | P | C2 | 27 MAR 85 | |
| 14 MAR 85 | 2155 | 1733.1 | -.6 | 2 | 490-82 | 1 | P | C2 | 27 MAR 85 | |
| 21 MAR 85 | 1845 | 1726.2 | 1.6 | 2 | 872-81 | 1 | P | C2 | 26 MAR 85 | |
| 28 MAR 85 | 1910 | 1739.0 | 1.7 | 2 | 628-83 | 1 | P | C2 | 10 APR 85 | |
| 04 APR 85 | 1730 | 1735.0 | 2.2 | 2 | 268-82 | 1 | P | C2 | 11 APR 85 | |
| 11 APR 85 | 1830 | 1740.7 | -4.0 | 2 | 1000-82 | 1 | P | C2 | 16 APR 85 | |
| 18 APR 85 | 1838 | 1737.0 | -2.3 | 2 | 166-83 | 1 | P | C2 | 23 APR 85 | |
| 26 APR 85 | 2200 | 1730.8 | .7 | 2 | 760-83 | 1 | P | C2 | 01 MAY 85 | |
| 28 APR 85 | 1710 | 1728.7 | -1.7 | 2 | 652-83 | 1 | P | C2 | 01 MAY 85 | |
| 28 APR 85 | 1710 | 1727.0 | -4.2 | 2 | 2006-85 | 7 | P | C2 | 01 MAY 85 | |
| 05 MAY 85 | 1710 | 1723.7 | -1.2 | 2 | 1232-82 | 1 | P | C2 | 22 MAY 85 | |
| 12 MAY 85 | 2215 | 1731.3 | 1.4 | 2 | 1198-82 | 1 | P | C2 | 16 MAY 85 | |
| 16 MAY 85 | 1840 | 1723.6 | .8 | 2 | 872-82 | 1 | P | C2 | 30 MAY 85 | |
| 23 MAY 85 | 1550 | 1721.0 | .5 | 2 | 1564-82 | 1 | P | C2 | 29 MAY 85 | |
| 26 MAY 85 | 1630 | 1717.8 | 1.9 | 2 | 234-83 | 1 | P | C2 | 30 MAY 85 | |
| 03 JUN 85 | 2150 | 1738.5 | 4.4 | 2 | 502-82 | 1 | P | C2 | 13 JUN 85 | |
| 09 JUN 85 | 2300 | 1705.9 | .3 | 2 | 390-82 | 1 | P | C2 | 13 JUN 85 | |
| 16 JUN 85 | 1610 | 1714.7 | 1.1 | 2 | 1648-82 | 1 | P | C2 | 28 JUN 85 | |
| 23 JUN 85 | 1945 | 1704.1 | 1.6 | 2 | 538-83 | 1 | P | C2 | 28 JUN 85 | |
| 04 JUL 85 | 2130 | 1704.8 | -1.0 | 2 | 676-83 | 1 | P | C2 | 09 JUL 85 | |
| 11 JUL 85 | 1530 | 1691.2 | -.1 | 2 | 488-82 | 1 | P | C2 | 16 JUL 85 | |
| 18 JUL 85 | 1820 | 1693.2 | -.1 | 2 | 1452-82 | 1 | P | C2 | 24 JUL 85 | |
| 25 JUL 85 | 1910 | 1691.0 | .9 | 2 | 898-82 | 1 | P | C2 | 31 JUL 85 | |
| 01 AUG 85 | 1910 | 1685.5 | -.3 | 2 | 542-82 | 1 | P | C3 | 12 AUG 85 | |
| 08 AUG 85 | 1940 | 1708.3 | -2.3 | 2 | 1120-82 | 1 | P | C3 | 13 AUG 85 | |
| 15 AUG 85 | 2335 | 1697.3 | -1.6 | 2 | 642-83 | 1 | P | C3 | 26 AUG 85 | |
| 22 AUG 85 | 1630 | 1716.5 | 1.3 | 2 | 1128-82 | 1 | P | C3 | 26 AUG 85 | |
| 08 SEP 85 | 1900 | 1736.8 | 2.6 | 2 | 164-83 | 1 | P | C3 | 14 SEP 85 | |
| 15 SEP 85 | 1645 | 1722.9 | -.2 | 2 | 740-83 | 1 | P | C3 | 23 SEP 85 | |
| 22 SEP 85 | 1600 | 1731.7 | 2.6 | 2 | 840-81 | 1 | P | C3 | 02 OCT 85 | |
| 29 SEP 85 | 1852 | 1742.1 | -6.3 | 2 | 922-83 | 1 | P | C3 | 22 OCT 85 | |
| 03 OCT 85 | 1820 | 1727.5 | -.1 | 2 | 1216-82 | 1 | P | C3 | 09 OCT 85 | |
| 06 OCT 85 | 1730 | 1718.2 | -.9 | 2 | 2048-85 | 7 | P | C3 | 23 OCT 85 | |
| 13 OCT 85 | 1610 | 1737.7 | .9 | 2 | 1088-82 | 1 | P | C3 | 24 OCT 85 | |
| 24 OCT 85 | 1815 | 1728.8 | 0.0 | 2 | 729-85 | 1 | P | C3 | 04 NOV 85 | |
| 31 OCT 85 | 1845 | 1735.1 | 3.2 | 2 | 794-83 | 1 | P | C3 | 05 NOV 85 | |
| 04 NOV 85 | 1937 | 1728.4 | .8 | 2 | 1082-82 | 1 | P | C3 | 13 NOV 85 | |
| 07 NOV 85 | 0000 | 1718.7 | 0.0 | 2 | 2015-85 | 1 | P | C3 | 14 NOV 85 | |
| 07 NOV 85 | 0000 | 1721.8 | | 1 | 2016-85 | 7 | P | C3 | 14 NOV 85 | |
| 14 NOV 85 | 1909 | 1732.9 | 1.9 | 2 | 1608-82 | 1 | P | C3 | 20 NOV 85 | |
| 24 NOV 85 | 1825 | 1716.8 | -1.1 | 2 | 888-83 | 1 | P | C3 | 15 DEC 85 | |
| 08 DEC 85 | 2000 | 1734.6 | 1.8 | 2 | 716-85 | 1 | P | C3 | 17 DEC 85 | |
| 15 DEC 85 | 1847 | 1722.8 | 5.5 | 2 | 484-82 | 1 | P | C3 | 03 JAN 86 | |
| 22 DEC 85 | 1700 | 1719.2 | 1.0 | 2 | 726-85 | 1 | P | C3 | 08 JAN 86 | |
| 29 DEC 85 | 2230 | 1721.5 | -1.3 | 2 | 840-82 | 1 | P | C3 | 08 JAN 86 | |

Cape Grim, Tasmania (CGO)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 APR 84 | 0258 | 1568.1 | 2.0 | 2 | 1750-82 | 1 | N | C2 | 16 MAY 84 | |
| 19 APR 84 | 0327 | 1566.1 | 2.0 | 2 | 1588-82 | 1 | P | C2 | 16 MAY 84 | |
| 26 APR 84 | 0514 | 1568.1 | -2.0 | 2 | 738-83 | 1 | N | C2 | 02 JUL 84 | |
| 26 APR 84 | 0528 | 1565.6 | 3.0 | 2 | 60-83 | 1 | P | C2 | 02 JUL 84 | |
| 04 MAY 84 | 0413 | 1567.6 | -1.0 | 2 | 178-82 | 1 | P | C2 | 02 JUL 84 | |
| 04 MAY 84 | 0425 | 1565.1 | 0.0 | 2 | 1660-82 | 1 | N | C2 | 02 JUL 84 | |
| 23 MAY 84 | 0245 | 1578.1 | 1.0 | 3 | 390-82 | 1 | P | C2 | 15 JUN 84 | |
| 23 MAY 84 | 0255 | 1570.7 | 7.0 | 3 | 776-82 | 1 | N | C2 | 15 JUN 84 | |
| 08 JUN 84 | 0537 | 1576.1 | 2.0 | 2 | 926-82 | 1 | N | C2 | 13 AUG 84 | |
| 29 JUN 84 | 0350 | 1583.0 | 0.0 | 2 | 1104-82 | 1 | N | C2 | 13 AUG 84 | |
| 12 JUL 84 | 0512 | 1582.0 | -4.0 | 2 | 630-81 | 1 | P | C2 | 13 AUG 84 | |
| 20 JUL 84 | 0145 | 1591.0 | 0.0 | 2 | 1484-82 | 1 | N | C2 | 21 SEP 84 | |
| 31 JUL 84 | 0145 | 1592.0 | -2.0 | 2 | 1512-82 | 1 | N | C2 | 21 SEP 84 | |
| 31 JUL 84 | 0153 | 1590.0 | 2.0 | 2 | 1300-82 | 1 | P | C2 | 21 SEP 84 | |
| 13 AUG 84 | 0520 | 1593.0 | -4.0 | 2 | 100-83 | 1 | P | C2 | 21 SEP 84 | |
| 21 AUG 84 | 0235 | 1590.5 | 3.0 | 2 | 156-82 | 1 | P | C2 | 21 SEP 84 | |
| 11 SEP 84 | 0230 | 1592.2 | 3.7 | 2 | 1200-82 | 1 | N | C2 | 30 OCT 84 | |
| 11 SEP 84 | 0240 | 1590.5 | .6 | 2 | 1164-82 | 1 | P | C2 | 31 OCT 84 | |
| 18 SEP 84 | 0511 | 1592.9 | -1.5 | 2 | 1354-82 | 1 | N | C2 | 01 NOV 84 | |
| 18 SEP 84 | 0525 | 1590.9 | -3.4 | 2 | 1304-82 | 1 | P | C2 | 02 NOV 84 | |
| 25 SEP 84 | 0032 | 1591.1 | -.4 | 2 | 390-82 | 1 | N | C2 | 31 OCT 84 | |
| 25 SEP 84 | 0046 | 1588.8 | 1.9 | 2 | 1446-82 | 1 | P | C2 | 31 OCT 84 | |
| 16 OCT 84 | 0345 | 1594.5 | 0.0 | 2 | 1150-82 | 1 | N | C2 | 09 JAN 85 | |
| 16 OCT 84 | 0350 | 1593.5 | -1.6 | 3 | 628-82 | 1 | P | C2 | 08 JAN 85 | |
| 13 NOV 84 | 0529 | 1587.7 | -2.9 | 2 | 994-81 | 1 | P | C2 | 19 DEC 84 | |
| 13 NOV 84 | 0545 | 1584.9 | -4.4 | 2 | 772-81 | 1 | N | C2 | 19 DEC 84 | |
| 22 NOV 84 | 0430 | 1587.0 | 9.8 | 2 | 1578-82 | 1 | P | C2 | 09 JAN 85 | |
| 22 NOV 84 | 0452 | 1586.5 | -4.6 | 2 | 1010-82 | 1 | N | C2 | 09 JAN 85 | |
| 29 NOV 84 | 0127 | 1582.1 | -4.3 | 2 | 296-83 | 1 | N | C2 | 08 JAN 85 | |
| 29 NOV 84 | 0130 | 1586.8 | .8 | 2 | 1474-82 | 1 | P | C2 | 08 JAN 85 | |
| 03 DEC 84 | 0130 | 1585.1 | 1.3 | 2 | 930-83 | 1 | P | C2 | 04 FEB 85 | |
| 03 DEC 84 | 0130 | 1582.0 | 1.9 | 2 | 1218-82 | 1 | N | C2 | 04 FEB 85 | |
| 20 DEC 84 | 0320 | 1574.8 | .5 | 2 | 920-82 | 1 | N | C2 | 04 FEB 85 | |
| 20 DEC 84 | 0330 | 1580.8 | 1.2 | 2 | 1344-82 | 1 | P | C2 | 30 JAN 85 | |
| 09 JAN 85 | 0425 | 1573.9 | 1.4 | 3 | 546-83 | 1 | P | C2 | 27 MAR 85 | |
| 17 JAN 85 | 0225 | 1573.2 | -1.0 | 2 | 1742-82 | 1 | N | C2 | 27 MAR 85 | |
| 17 JAN 85 | 0240 | 1579.3 | -5.4 | 3 | 200-83 | 1 | P | C2 | 27 MAR 85 | |
| 24 JAN 85 | 0038 | 1568.3 | .9 | 2 | 1812-82 | 1 | N | C2 | 25 MAR 85 | |
| 24 JAN 85 | 0046 | 1571.3 | 2.1 | 2 | 750-83 | 1 | P | C2 | 25 MAR 85 | |
| 06 FEB 85 | 0507 | 1566.9 | -2.6 | 2 | 838-82 | 1 | N | C2 | 25 MAR 85 | |
| 06 FEB 85 | 0507 | 1569.4 | 3.0 | 2 | 1688-82 | 1 | P | C2 | 25 MAR 85 | |
| 14 FEB 85 | 0150 | 1567.4 | 1.0 | 2 | 1252-82 | 1 | N | C2 | 25 MAR 85 | |
| 14 FEB 85 | 0202 | 1567.1 | 3.3 | 2 | 524-82 | 1 | P | C2 | 25 MAR 85 | |
| 26 FEB 85 | 0100 | 1566.1 | 1.1 | 2 | 36-83 | 1 | N | C2 | 10 APR 85 | |
| 26 FEB 85 | 0110 | 1568.9 | 2.4 | 2 | 226-83 | 1 | P | C2 | 10 APR 85 | |
| 28 MAR 85 | 0600 | 1572.7 | 4.1 | 2 | 674-82 | 1 | P | C2 | 16 MAY 85 | |
| 28 MAR 85 | 0610 | 1569.1 | .4 | 2 | 1408-82 | 1 | N | C2 | 16 MAY 85 | |
| 16 APR 85 | 0605 | 1575.4 | 4.9 | 2 | 1292-82 | 1 | P | C2 | 16 MAY 85 | |
| 16 APR 85 | 0615 | 1573.8 | -.9 | 2 | 1006-82 | 1 | N | C2 | 16 MAY 85 | |
| 08 MAY 85 | 0320 | 1582.9 | -2.1 | 2 | 1664-82 | 1 | N | C2 | 28 JUN 85 | |
| 31 MAY 85 | 0225 | 1585.5 | -9.8 | 3 | 1128-82 | 1 | P | C2 | 19 JUL 85 | |
| 07 JUN 85 | 0435 | 1590.0 | -1.6 | 3 | 840-81 | 1 | N | C2 | 19 JUL 85 | |
| 07 JUN 85 | 0440 | 1591.7 | .8 | 2 | 1660-82 | 1 | P | C2 | 19 JUL 85 | |
| 14 JUN 85 | 0240 | 1588.1 | .8 | 2 | 776-82 | 1 | N | C2 | 19 JUL 85 | |
| 24 JUN 85 | 0455 | 1593.6 | .3 | 2 | 1118-82 | 1 | N | C2 | 19 JUL 85 | |
| 24 JUN 85 | 0500 | 1592.0 | 1.5 | 2 | 1272-82 | 1 | P | C2 | 19 JUL 85 | |
| 22 JUL 85 | 0312 | 1596.6 | 1.2 | 2 | 688-81 | 1 | N | C3 | 11 SEP 85 | |
| 22 JUL 85 | 0328 | 1599.1 | 3.7 | 2 | 1190-82 | 1 | P | C3 | 11 SEP 85 | |
| 29 JUL 85 | 0335 | 1596.6 | 1.5 | 2 | 1386-82 | 1 | N | C3 | 12 SEP 85 | |
| 29 JUL 85 | 0345 | 1597.3 | 3.7 | 2 | 1324-82 | 1 | P | C3 | 12 SEP 85 | |
| 07 AUG 85 | 2350 | 1599.7 | -.3 | 2 | 864-83 | 1 | N | C3 | 11 SEP 85 | |
| 07 AUG 85 | 2357 | 1600.9 | -1.0 | 2 | 1430-82 | 1 | P | C3 | 11 SEP 85 | |
| 26 AUG 85 | 0355 | 1603.2 | .6 | 2 | 1562-82 | 1 | P | C3 | 24 OCT 85 | |
| 26 AUG 85 | 0422 | 1601.4 | .5 | 2 | 54-83 | 1 | N | C3 | 28 OCT 85 | |

Cape Grim, Tasmania (CGO)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 03 SEP 85 | 0145 | 1605.9 | -.5 | 2 | 1028-82 | 1 | P | C3 | 22 OCT 85 | |
| 03 SEP 85 | 0216 | 1605.0 | 2.4 | 2 | 1448-82 | 1 | N | C3 | 22 OCT 85 | |
| 16 SEP 85 | 0045 | 1606.7 | -.9 | 2 | 1353-82 | 1 | P | C3 | 28 OCT 85 | |
| 16 SEP 85 | 0145 | 1605.6 | .7 | 2 | 508-82 | 1 | N | C3 | 28 OCT 85 | |
| 18 SEP 85 | 0132 | 1604.3 | -3.4 | 2 | 1280-82 | 1 | P | C3 | 22 OCT 85 | |
| 18 SEP 85 | 0225 | 1601.9 | .7 | 2 | 624-83 | 1 | N | C3 | 22 OCT 85 | |
| 25 SEP 85 | 2355 | 1604.2 | -.9 | 2 | 866-83 | 1 | P | C3 | 29 OCT 85 | |
| 26 SEP 85 | 0030 | 1602.2 | .5 | 2 | 392-85 | 1 | N | C3 | 29 OCT 85 | |
| 02 OCT 85 | 0055 | 1604.0 | .8 | 2 | 902-83 | 1 | N | C3 | 04 NOV 85 | |
| 02 OCT 85 | 0059 | 1604.4 | 2.2 | 2 | 954-83 | 1 | P | C3 | 04 NOV 85 | |
| 09 OCT 85 | 0245 | 1622.6 | -1.6 | 2 | 448-83 | 1 | P | C3 | 05 NOV 85 | + |
| 09 OCT 85 | 0320 | 1602.5 | 0.0 | 2 | 622-83 | 1 | N | C3 | 05 NOV 85 | |
| 18 OCT 85 | 0125 | 1604.5 | .7 | 2 | 892-82 | 1 | N | C3 | 13 DEC 85 | |
| 18 OCT 85 | 0150 | 1604.4 | .8 | 2 | 1218-82 | 1 | P | C3 | 13 DEC 85 | |
| 31 OCT 85 | 0108 | 1603.1 | 2.2 | 2 | 1178-82 | 1 | P | C3 | 13 DEC 85 | |
| 31 OCT 85 | 0135 | 1615.7 | .7 | 2 | 800-83 | 1 | N | C3 | 13 DEC 85 | + |
| 20 NOV 85 | 0020 | 1599.7 | 2.8 | 2 | 630-82 | 1 | P | C3 | 13 DEC 85 | |
| 20 NOV 85 | 0029 | 1597.6 | 4.3 | 2 | 968-83 | 1 | N | C3 | 17 DEC 85 | |
| 29 NOV 85 | 0110 | 1599.9 | -.7 | 2 | 760-83 | 1 | P | C3 | 03 JAN 86 | |
| 29 NOV 85 | 0150 | 1593.1 | 1.4 | 2 | 398-85 | 1 | N | C3 | 03 JAN 86 | |
| 12 DEC 85 | 0030 | 1594.3 | -6.4 | 2 | 286-83 | 1 | P | C4 | 05 FEB 86 | |
| 12 DEC 85 | 0047 | 1590.7 | -2.5 | 2 | 382-83 | 1 | N | C4 | 05 FEB 86 | |
| 22 DEC 85 | 2334 | 1587.9 | 5.2 | 2 | 646-83 | 1 | N | C4 | 05 FEB 86 | |
| 31 DEC 85 | 0035 | 1588.6 | -8.6 | 3 | 1078-82 | 1 | P | C4 | 11 MAR 86 | |
| 31 DEC 85 | 0059 | 1591.5 | 4.5 | 2 | 1212-82 | 1 | N | C4 | 11 MAR 86 | |

Christmas Island (CHR)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 08 MAR 84 | 0132 | 1633.7 | 2.0 | 3 | I-536 | 0 | F | C2 | 17 APR 84 | |
| 13 MAR 84 | 0139 | 1628.0 | -4.0 | 3 | I-537 | 0 | F | C2 | 17 APR 84 | |
| 22 MAR 84 | 0130 | 1629.7 | -3.0 | 3 | I-539 | 0 | F | C2 | 17 APR 84 | |
| 31 MAR 84 | 0118 | 1629.7 | -5.0 | 3 | I-541 | 0 | F | C2 | 16 APR 84 | |
| 08 APR 84 | 0215 | 1630.3 | 4.0 | 3 | I-544 | 0 | F | C2 | 17 MAY 84 | |
| 20 APR 84 | 0335 | 1628.7 | 1.0 | 3 | I-546 | 0 | F | C2 | 17 MAY 84 | |
| 26 APR 84 | 0132 | 1640.0 | 4.0 | 2 | I-548 | 0 | F | C2 | 17 MAY 84 | |
| 02 MAY 84 | 4030 | 1643.0 | -2.0 | 2 | I-550 | 0 | F | C2 | 17 MAY 84 | |
| 10 MAY 84 | 0126 | 1628.0 | 4.0 | 2 | I-552 | 0 | F | C2 | 14 JUN 84 | |
| 17 MAY 84 | 0130 | 1607.0 | 0.0 | 2 | I-554 | 0 | F | C2 | 14 JUN 84 | |
| 24 MAY 84 | 0137 | 1599.5 | 3.0 | 2 | I-556 | 0 | F | C2 | 14 JUN 84 | |
| 04 JUN 84 | 0132 | 1598.5 | 5.0 | 2 | I-558 | 0 | F | C2 | 14 JUN 84 | |
| 11 JUN 84 | 0225 | 1593.4 | 4.0 | 3 | 3074-83 | 4 | T | C2 | 17 JUL 84 | |
| 19 JUN 84 | 0305 | 1596.5 | 3.0 | 2 | 3064-83 | 4 | T | C2 | 14 AUG 84 | |
| 19 JUN 84 | 0310 | 1595.0 | | 1 | 3024-84 | 4 | T | C2 | 17 JUL 84 | |
| 26 JUN 84 | 0335 | 1603.0 | -2.0 | 2 | 3042-83 | 4 | T | C2 | 17 JUL 84 | |
| 26 JUN 84 | 0340 | 1602.0 | -2.0 | 2 | 3050-83 | 4 | T | C2 | 17 JUL 84 | |
| 06 JUL 84 | 0300 | 1591.7 | 6.0 | 3 | 3044-83 | 4 | T | C2 | 17 JUL 84 | |
| 06 JUL 84 | 0304 | 1594.5 | -5.0 | 2 | 3084-84 | 4 | T | C2 | 17 JUL 84 | |
| 14 JUL 84 | 0310 | 1592.5 | 1.0 | 2 | 3018-83 | 4 | T | C2 | 14 AUG 84 | |
| 21 JUL 84 | 0240 | 1592.0 | 2.0 | 2 | 3060-83 | 4 | T | C2 | 14 AUG 84 | |
| 27 JUL 84 | 0305 | 1608.7 | 5.0 | 3 | 3056-83 | 4 | T | C2 | 14 AUG 84 | |
| 01 AUG 84 | 0325 | 1606.5 | -1.0 | 2 | 3078-83 | 4 | T | C2 | 14 AUG 84 | |
| 07 AUG 84 | 0300 | 1599.0 | 2.0 | 2 | 3058-84 | 4 | T | C2 | 17 OCT 84 | |
| 14 AUG 84 | 0255 | 1595.0 | -1.0 | 2 | 3048-83 | 4 | T | C2 | 17 OCT 84 | |
| 21 AUG 84 | 0255 | 1604.5 | -3.0 | 2 | 3050-83 | 4 | T | C2 | 17 OCT 84 | |
| 28 AUG 84 | 0240 | 1596.0 | -2.4 | 2 | 3008-83 | 4 | T | C2 | 17 OCT 84 | |
| 28 AUG 84 | 0245 | 1594.6 | -5.6 | 2 | 3016-84 | 4 | T | C2 | 17 OCT 84 | |
| 11 SEP 84 | 0255 | 1592.3 | -1.9 | 2 | 3080-83 | 4 | T | C2 | 17 OCT 84 | |
| 18 SEP 84 | 0245 | 1591.6 | -2.4 | 2 | 3003-83 | 4 | T | C2 | 17 OCT 84 | |
| 25 SEP 84 | 0250 | 1598.2 | -3.7 | 2 | 3084-84 | 4 | T | C2 | 17 OCT 84 | |
| 03 OCT 84 | 0300 | 1603.9 | -2.3 | 2 | 3096-84 | 4 | T | C2 | 17 OCT 84 | |
| 14 OCT 84 | 0338 | 1605.5 | -5.1 | 2 | 3064-84 | 4 | T | C2 | 15 NOV 84 | |
| 19 OCT 84 | 0245 | 1602.1 | .6 | 2 | 3006-84 | 4 | T | C2 | 15 NOV 84 | |
| 27 OCT 84 | 0250 | 1598.8 | 1.5 | 2 | 3068-83 | 4 | T | C2 | 15 NOV 84 | |
| 03 NOV 84 | 0240 | 1595.6 | -3.6 | 2 | 3028-83 | 4 | T | C2 | 15 NOV 84 | |
| 10 NOV 84 | 0310 | 1595.2 | 1.0 | 2 | 3066-84 | 4 | T | C2 | 19 DEC 84 | |
| 17 NOV 84 | 0300 | 1596.2 | -1.0 | 2 | 3038-83 | 4 | T | C2 | 19 DEC 84 | |
| 01 DEC 84 | 0400 | 1606.5 | -4.3 | 2 | 3060-84 | 4 | T | C2 | 19 DEC 84 | |
| 09 DEC 84 | 0305 | 1615.7 | -4.4 | 2 | 3044-83 | 4 | T | C2 | 19 DEC 84 | |
| 07 JAN 85 | 0135 | 1635.0 | -4.9 | 2 | 3026-84 | 4 | T | C2 | 30 JAN 85 | |
| 15 JAN 85 | 0255 | 1617.8 | .2 | 2 | 3020-84 | 4 | T | C2 | 14 FEB 85 | |
| 21 JAN 85 | 0325 | 1619.6 | -5.1 | 2 | 3028-84 | 4 | T | C2 | 14 FEB 85 | |
| 30 JAN 85 | 0345 | 1613.9 | 1.8 | 2 | 3046-83 | 4 | T | C2 | 14 FEB 85 | |
| 03 FEB 85 | 0300 | 1610.8 | 0.0 | 2 | 3030-84 | 4 | T | C2 | 14 FEB 85 | |
| 20 FEB 85 | 0155 | 1612.2 | .4 | 2 | 3015-83 | 4 | T | C2 | 27 MAR 85 | |
| 05 MAR 85 | 0315 | 1634.0 | -1.4 | 2 | 3072-83 | 4 | T | C2 | 27 MAR 85 | |
| 11 MAR 85 | 0205 | 1643.0 | -.5 | 2 | 3106-83 | 4 | T | C2 | 16 APR 85 | |
| 17 MAR 85 | 0235 | 1635.3 | 1.8 | 2 | 3098-83 | 4 | T | C2 | 01 MAY 85 | |
| 24 MAR 85 | 0240 | 1624.5 | -.7 | 2 | 3100-83 | 4 | T | C2 | 16 APR 85 | |
| 31 MAR 85 | 0215 | 1607.1 | -1.8 | 2 | 3014-83 | 4 | T | C2 | 16 APR 85 | |
| 07 APR 85 | 0045 | 1626.4 | | 1 | 3061-84 | 4 | T | C2 | 16 MAY 85 | |
| 21 APR 85 | 0230 | 1623.2 | | 1 | 3055-83 | 4 | T | C2 | 16 MAY 85 | |
| 29 APR 85 | 0205 | 1618.4 | | 1 | 3019-85 | 4 | T | C2 | 16 MAY 85 | |
| 10 MAY 85 | 0155 | 1612.4 | | 1 | 3040-83 | 4 | T | C2 | 11 JUN 85 | |
| 17 MAY 85 | 0300 | 1608.0 | | 1 | 3014-84 | 4 | T | C2 | 11 JUN 85 | |
| 23 MAY 85 | 0325 | 1608.2 | | 1 | 3074-83 | 4 | T | C2 | 11 JUN 85 | |
| 29 MAY 85 | 0005 | 1618.6 | | 1 | 3070-84 | 4 | T | C2 | 11 JUN 85 | |
| 16 JUN 85 | 0215 | 1608.4 | | 1 | 3087-84 | 4 | T | C2 | 16 JUL 85 | |
| 16 JUN 85 | 0215 | 1608.9 | | 1 | 3088-84 | 4 | T | C2 | 16 JUL 85 | |
| 24 JUN 85 | 0235 | 1620.4 | | 1 | 3049-84 | 4 | T | C2 | 16 JUL 85 | |
| 02 JUL 85 | 0240 | 1609.6 | -2.3 | 2 | 3005-83 | 4 | T | C2 | 16 JUL 85 | |
| 08 JUL 85 | 0225 | 1601.8 | | 1 | 3015-84 | 4 | T | C2 | 16 JUL 85 | |
| 19 AUG 85 | 0235 | 1609.5 | 1.3 | 2 | 3076-83 | 4 | T | C3 | 23 SEP 85 | |

Christmas Island (CHR)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 26 AUG 85 | 0305 | 1609.4 | | 1 | 3067-84 | 4 | T | C3 | 23 SEP 85 | |
| 26 AUG 85 | 0305 | 1611.2 | | 1 | 3068-84 | 4 | T | C3 | 23 SEP 85 | |
| 02 SEP 85 | 0250 | 1613.8 | -2.3 | 2 | 3098-84 | 4 | T | C3 | 23 SEP 85 | |
| 09 SEP 85 | 0204 | 1610.0 | -4.0 | 2 | 3018-85 | 4 | T | C3 | 23 SEP 85 | |
| 15 SEP 85 | 2345 | 1609.8 | -.7 | 2 | 3003-85 | 4 | T | C3 | 13 NOV 85 | |
| 15 SEP 85 | 2350 | 1610.9 | -1.7 | 2 | 3010-85 | 4 | T | C3 | 13 NOV 85 | |
| 07 OCT 85 | 0220 | 1611.2 | -.7 | 2 | 3050-84 | 4 | T | C3 | 13 NOV 85 | |
| 14 OCT 85 | 0235 | 1619.5 | -6.9 | 3 | 3006-83 | 4 | T | C3 | 13 NOV 85 | |
| 21 OCT 85 | 0240 | 1617.9 | -.2 | 2 | 3066-84 | 4 | T | C3 | 13 NOV 85 | |
| 03 NOV 85 | 0045 | 1605.7 | -1.2 | 2 | 3046-83 | 4 | T | C3 | 14 DEC 85 | |
| 11 NOV 85 | 2315 | 1614.4 | -4.3 | 2 | 3104-83 | 4 | T | C3 | 14 DEC 85 | |
| 18 NOV 85 | 0120 | 1614.7 | 2.5 | 2 | 3096-83 | 4 | T | C3 | 14 DEC 85 | |
| 01 DEC 85 | 0150 | 1613.8 | 3.6 | 2 | 3002-83 | 4 | T | C3 | 14 DEC 85 | |
| 16 DEC 85 | 0215 | 1619.3 | 3.0 | 2 | 3088-84 | 4 | T | C4 | 04 FEB 86 | |

Cape Meares, Oregon (CMO)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 07 MAY 83 | 1412 | 1692.5 | 9.0 | 2 | 196-83 | 1 | P | C1 | 17 MAY 83 | |
| 13 MAY 83 | 1504 | 1708.0 | 6.0 | 2 | 752-82 | 1 | P | C1 | 24 MAY 83 | |
| 25 MAY 83 | 1910 | 1638.5 | 15.0 | 2 | 248-83 | 1 | P | C1 | 01 JUN 83 | |
| 31 MAY 83 | 0315 | 1626.5 | 19.0 | 2 | 196-82 | 1 | P | C1 | 08 JUN 83 | |
| 07 JUN 83 | 0330 | 1655.0 | 10.0 | 2 | 1598-82 | 1 | P | C1 | 14 JUN 83 | |
| 14 JUN 83 | 0400 | 1664.0 | -22.0 | 2 | 130-83 | 1 | P | C1 | 28 JUN 83 | |
| 21 JUN 83 | 0310 | 1677.0 | 0.0 | 2 | 134-83 | 1 | P | C1 | 06 JUL 83 | |
| 28 JUN 83 | 0330 | 1657.0 | -12.0 | 2 | 1490-82 | 1 | P | C1 | 06 JUL 83 | |
| 05 JUL 83 | 0325 | 1665.0 | | 1 | 784-82 | 1 | P | C1 | 13 JUL 83 | |
| 16 JUL 83 | 9999 | 1672.0 | 2.0 | 2 | 244-83 | 1 | P | C1 | 28 JUL 83 | |
| 26 JUL 83 | 0355 | 1644.0 | 2.0 | 2 | 44-83 | 1 | P | C1 | 06 AUG 83 | |
| 27 JUL 83 | 1914 | 1648.5 | 5.0 | 2 | 1712-82 | 1 | P | C1 | 18 AUG 83 | |
| 06 AUG 83 | 9999 | 1649.0 | 0.0 | 2 | 626-83 | 1 | P | C1 | 19 AUG 83 | |
| 16 AUG 83 | 0325 | 1667.0 | 0.0 | 2 | 704-83 | 1 | P | C1 | 01 SEP 83 | |
| 21 AUG 83 | 0320 | 1694.0 | -4.0 | 2 | 866-81 | 1 | P | C1 | 02 SEP 83 | |
| 27 AUG 83 | 0321 | 1629.0 | 8.0 | 2 | 274-82 | 1 | P | C1 | 14 SEP 83 | |
| 07 SEP 83 | 0245 | 1664.3 | 8.0 | 3 | 1466-82 | 1 | P | C2 | 27 SEP 83 | |
| 13 SEP 83 | 0301 | 1671.5 | 15.0 | 2 | 296-82 | 1 | P | C2 | 28 SEP 83 | |
| 20 SEP 83 | 0250 | 1683.0 | 0.0 | 2 | 794-83 | 1 | P | C2 | 28 SEP 83 | |
| 27 SEP 83 | 0230 | 1692.0 | -4.0 | 2 | 1398-82 | 1 | P | C2 | 06 OCT 83 | |
| 04 OCT 83 | 0145 | 1679.3 | 5.0 | 3 | 184-82 | 1 | P | C1 | 18 OCT 83 | |
| 11 OCT 83 | 0140 | 1714.0 | 0.0 | 2 | 34-82 | 1 | P | C1 | 26 OCT 83 | |
| 18 OCT 83 | 0200 | 1695.0 | -4.0 | 2 | 186-83 | 1 | P | C1 | 26 OCT 83 | |
| 01 NOV 83 | 0252 | 1691.0 | -2.0 | 2 | 794-83 | 1 | P | C1 | 04 NOV 83 | |
| 06 NOV 83 | 1830 | 1689.0 | -6.0 | 2 | 962-81 | 1 | P | C2 | 07 DEC 83 | |
| 15 NOV 83 | 2030 | 1676.5 | -11.0 | 2 | 222-83 | 1 | P | C2 | 08 DEC 83 | |
| 16 NOV 83 | 2255 | 1685.0 | -2.0 | 2 | 728-82 | 1 | P | C2 | 13 DEC 83 | |
| 30 NOV 83 | 2040 | 1707.0 | 0.0 | 2 | 1152-82 | 1 | P | C2 | 08 DEC 83 | |
| 19 DEC 83 | 2330 | 1694.0 | 4.0 | 2 | 28-83 | 1 | P | C2 | 28 DEC 83 | |
| 23 DEC 83 | 2315 | 1713.0 | -4.0 | 2 | 760-83 | 1 | P | C2 | 04 JAN 84 | |
| 28 JAN 84 | 2200 | 1646.0 | 0.0 | 2 | 750-83 | 1 | P | C2 | 07 FEB 84 | |
| 07 FEB 84 | 0038 | 1679.5 | 3.0 | 2 | 758-83 | 1 | P | C2 | 17 FEB 84 | |
| 15 FEB 84 | 1850 | 1697.0 | 4.0 | 2 | 728-82 | 1 | P | C2 | 08 MAR 84 | |
| 21 FEB 84 | 0142 | 1709.5 | -5.0 | 2 | 812-82 | 1 | P | C2 | 04 MAR 84 | |
| 26 FEB 84 | 1813 | 1711.5 | 5.0 | 2 | 402-82 | 1 | P | C2 | 08 MAR 84 | |
| 03 MAR 84 | 1720 | 1693.5 | -3.0 | 2 | 1580-82 | 1 | P | C2 | 29 MAR 84 | |
| 10 MAR 84 | 1700 | 1683.5 | 1.0 | 2 | 1630-82 | 1 | P | C2 | 30 MAR 84 | |
| 17 MAR 84 | 1645 | 1692.0 | 0.0 | 2 | 1636-82 | 1 | P | C2 | 30 MAR 84 | |
| 24 MAR 84 | 2318 | 1693.0 | 0.0 | 2 | 758-83 | 1 | P | C2 | 04 APR 84 | |
| 31 MAR 84 | 1719 | 1732.5 | -1.0 | 2 | 1572-82 | 1 | P | C2 | 12 APR 84 | |
| 11 APR 84 | 0056 | 1701.5 | 5.0 | 2 | 164-83 | 1 | P | C2 | 17 APR 84 | |
| 14 APR 84 | 1715 | 1696.0 | -2.0 | 2 | 872-81 | 1 | P | C2 | 24 APR 84 | |
| 25 APR 84 | 0018 | 1726.0 | | 1 | 112-84 | 1 | P | C2 | 03 MAY 84 | |
| 01 MAY 84 | 0342 | 1696.5 | 1.0 | 2 | 758-83 | 1 | P | C2 | 16 MAY 84 | |
| 09 MAY 84 | 1955 | 1702.5 | 5.0 | 2 | 812-82 | 1 | P | C2 | 16 MAY 84 | |
| 16 MAY 84 | 0219 | 1700.5 | 3.0 | 2 | 1460-82 | 1 | P | C2 | 31 MAY 84 | |
| 22 MAY 84 | 0245 | 1693.0 | -2.0 | 2 | 214-83 | 1 | P | C2 | 31 MAY 84 | |
| 30 MAY 84 | 0300 | 1680.0 | -2.0 | 2 | 860-82 | 1 | P | C2 | 15 JUN 84 | |
| 05 JUN 84 | 0402 | 1681.5 | -3.0 | 2 | 716-83 | 1 | P | C2 | 14 JUN 84 | |
| 12 JUN 84 | 2251 | 1686.0 | -2.0 | 2 | 1798-82 | 1 | P | C2 | 02 JUL 84 | |
| 17 JUN 84 | 1923 | 1683.5 | 1.0 | 2 | 1432-82 | 1 | P | C2 | 10 JUL 84 | |
| 23 JUN 84 | 0430 | 1684.0 | 0.0 | 2 | 50-83 | 1 | P | C2 | 10 JUL 84 | |
| 07 JUL 84 | 1735 | 1686.0 | -4.0 | 2 | 626-83 | 1 | P | C2 | 17 JUL 84 | |
| 14 JUL 84 | 0250 | 1660.0 | 2.0 | 2 | 1216-82 | 1 | P | C2 | 31 JUL 84 | |
| 20 JUL 84 | 9999 | 1688.0 | 8.0 | 2 | 972-83 | 1 | P | C2 | 01 AUG 84 | |
| 01 AUG 84 | 0400 | 1659.0 | 0.0 | 2 | 1812-82 | 1 | P | C2 | 14 AUG 84 | |
| 08 AUG 84 | 0244 | 1644.0 | 2.0 | 2 | 1308-82 | 1 | P | C2 | 14 AUG 84 | |
| 15 AUG 84 | 0240 | 1656.0 | 2.0 | 2 | 1676-82 | 1 | P | C2 | 07 SEP 84 | |
| 22 AUG 84 | 2040 | 1669.5 | 1.0 | 2 | 1330-82 | 1 | P | C2 | 05 SEP 84 | |
| 29 AUG 84 | 0337 | 1698.0 | 0.0 | 2 | 192-83 | 1 | P | C2 | 11 SEP 84 | |
| 05 SEP 84 | 0110 | 1709.5 | -3.0 | 2 | 800-82 | 1 | P | C2 | 11 SEP 84 | |
| 12 SEP 84 | 0153 | 1718.5 | 5.0 | 2 | 820-83 | 1 | P | C2 | 22 SEP 84 | |
| 19 SEP 84 | 9999 | 1689.0 | -2.0 | 2 | 1308-82 | 1 | P | C2 | 28 SEP 84 | |
| 26 SEP 84 | 0314 | 1720.4 | -2.3 | 2 | 222-83 | 1 | P | C2 | 18 OCT 84 | |

Cape Meares, Oregon (CMO)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 03 OCT 84 | 0312 | 1724.3 | 4.0 | 2 | 1678-82 | 1 | P | C2 | 18 OCT 84 | |
| 17 OCT 84 | 0111 | 1756.9 | -.2 | 2 | 804-83 | 1 | P | C2 | 02 NOV 84 | |
| 31 OCT 84 | 0316 | 1711.6 | -.7 | 2 | 742-82 | 1 | P | C2 | 07 NOV 84 | |
| 14 NOV 84 | 2000 | 1721.5 | -2.3 | 2 | 984-81 | 1 | P | C2 | 27 NOV 84 | |
| 20 NOV 84 | 9999 | 1719.8 | 2.9 | 2 | 1314-82 | 1 | P | C2 | 27 NOV 84 | |
| 28 NOV 84 | 0030 | 1695.7 | -3.4 | 2 | 800-82 | 1 | P | C2 | 04 DEC 84 | |
| 11 DEC 84 | 0304 | 1724.8 | -4.4 | 2 | 1200-82 | 1 | P | C2 | 19 DEC 84 | |
| 04 JAN 85 | 0015 | 1740.2 | 4.1 | 2 | 74-83 | 1 | P | C2 | 13 FEB 85 | |
| 10 JAN 85 | 2038 | 1712.8 | -.6 | 2 | 704-83 | 1 | P | C2 | 24 JAN 85 | |
| 17 JAN 85 | 2020 | 1703.1 | -2.4 | 2 | 1818-82 | 1 | P | C2 | 04 FEB 85 | |
| 24 JAN 85 | 2000 | 1707.3 | -1.3 | 2 | 1806-82 | 1 | P | C2 | 05 FEB 85 | |
| 31 JAN 85 | 2045 | 1712.3 | -1.2 | 2 | 522-82 | 1 | P | C2 | 05 FEB 85 | |
| 14 FEB 85 | 2000 | 1686.5 | 1.4 | 2 | 910-83 | 1 | P | C2 | 20 FEB 85 | |
| 28 FEB 85 | 2005 | 1676.4 | 0.0 | 2 | 796-83 | 1 | P | C2 | 25 MAR 85 | |
| 07 MAR 85 | 2032 | 1729.7 | -.7 | 2 | 772-83 | 1 | P | C2 | 28 MAR 85 | |
| 28 MAR 85 | 2136 | 1731.4 | 8.2 | 2 | 884-83 | 1 | P | C2 | 04 APR 85 | |
| 12 APR 85 | 1925 | 1713.8 | -7.7 | 3 | 1138-82 | 1 | P | C2 | 24 APR 85 | |
| 18 APR 85 | 2016 | 1728.7 | 7.2 | 3 | 832-83 | 1 | P | C2 | 23 APR 85 | |
| 25 APR 85 | 2132 | 1737.5 | -4.7 | 2 | 1334-82 | 1 | P | C2 | 01 MAY 85 | |
| 07 MAY 85 | 0100 | 1718.3 | 1.3 | 2 | 822-83 | 1 | P | C2 | 17 MAY 85 | |
| 09 MAY 85 | 2018 | 1717.1 | -4.2 | 2 | 976-83 | 1 | P | C2 | 16 MAY 85 | |
| 16 MAY 85 | 2040 | 1710.8 | 4.4 | 2 | 1608-82 | 1 | P | C2 | 22 MAY 85 | |
| 23 MAY 85 | 1938 | 1687.9 | 2.3 | 2 | 962-83 | 1 | P | C2 | 29 MAY 85 | |
| 11 JUL 85 | 1952 | 1684.4 | .9 | 2 | 938-83 | 1 | P | C2 | 16 JUL 85 | |
| 16 JUL 85 | 1940 | 1657.6 | -.2 | 2 | 1474-82 | 1 | P | C2 | 19 JUL 85 | |
| 01 AUG 85 | 1915 | 1657.5 | -2.4 | 2 | 1604-82 | 1 | P | C3 | 13 AUG 85 | |
| 07 AUG 85 | 1855 | 1678.6 | -4.0 | 2 | 1586-82 | 1 | P | C3 | 13 AUG 85 | |
| 15 AUG 85 | 2114 | 1671.2 | -1.4 | 2 | 1212-82 | 1 | P | C3 | 26 AUG 85 | |
| 20 AUG 85 | 2050 | 1702.7 | 1.3 | 2 | 884-83 | 1 | P | C3 | 11 SEP 85 | |
| 28 AUG 85 | 1916 | 1730.7 | 1.4 | 2 | 1198-82 | 1 | P | C3 | 11 SEP 85 | |
| 05 SEP 85 | 1907 | 1671.5 | -.3 | 2 | 558-85 | 1 | P | C3 | 12 SEP 85 | |
| 12 SEP 85 | 2039 | 1720.2 | 2.8 | 2 | 188-83 | 1 | P | C3 | 24 SEP 85 | |
| 19 SEP 85 | 2315 | 1721.6 | -1.8 | 2 | 1298-82 | 1 | P | C3 | 23 SEP 85 | |
| 26 SEP 85 | 2210 | 1724.1 | -.9 | 2 | 920-82 | 1 | P | C3 | 02 OCT 85 | |
| 04 OCT 85 | 0045 | 1734.2 | .3 | 2 | 284-82 | 1 | P | C3 | 09 OCT 85 | |
| 10 OCT 85 | 1829 | 1727.6 | .8 | 2 | 838-82 | 1 | P | C3 | 23 OCT 85 | |
| 19 OCT 85 | 2245 | 1721.3 | 1.9 | 2 | 688-81 | 1 | P | C3 | 29 OCT 85 | |
| 24 OCT 85 | 2008 | 1694.0 | -3.5 | 2 | 100-83 | 1 | P | C3 | 29 OCT 85 | |
| 04 NOV 85 | 2155 | 1724.2 | | 1 | 961-83 | 1 | P | C3 | 14 NOV 85 | |
| 07 NOV 85 | 1931 | 1714.0 | 2.5 | 2 | 1306-82 | 1 | P | C3 | 13 NOV 85 | |
| 14 NOV 85 | 2056 | 1728.9 | 1.9 | 2 | 626-83 | 1 | P | C3 | 20 NOV 85 | |
| 04 DEC 85 | 2210 | 1716.6 | 2.4 | 2 | 1646-82 | 1 | P | C3 | 17 DEC 85 | |
| 19 DEC 85 | 2135 | 1722.4 | -3.3 | 2 | 622-83 | 1 | P | C3 | 03 JAN 86 | |

Guam, Mariana Islands (GMI)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 02 MAY 83 | 0605 | 1618.0 | 2.0 | 2 | 986-81 | 1 | P | C1 | 17 MAY 83 | |
| 09 MAY 83 | 0630 | 1645.5 | -17.0 | 2 | 864-81 | 1 | P | C1 | 17 MAY 83 | |
| 16 MAY 83 | 0600 | 1609.5 | -9.0 | 2 | 1760-82 | 1 | P | C1 | 24 MAY 83 | |
| 24 MAY 83 | 0600 | 1630.0 | | 1 | 374-82 | 1 | P | C1 | 08 JUN 83 | |
| 30 MAY 83 | 0600 | 1591.5 | 3.0 | 2 | 252-83 | 1 | P | C1 | 08 JUN 83 | |
| 06 JUN 83 | 0720 | 1631.5 | -3.0 | 2 | 856-81 | 1 | P | C1 | 14 JUN 83 | |
| 13 JUN 83 | 0745 | 1633.0 | -4.0 | 2 | 1600-82 | 1 | P | C1 | 05 JUL 83 | |
| 20 JUN 83 | 0600 | 1616.5 | 5.0 | 2 | 1830-82 | 1 | P | C1 | 06 JUL 83 | |
| 27 JUN 83 | 0605 | 1610.0 | 6.0 | 2 | 252-82 | 1 | P | C1 | 06 JUL 83 | |
| 04 JUL 83 | 0630 | 1651.0 | 25.0 | 3 | 834-81 | 1 | P | C1 | 20 JUL 83 | |
| 11 JUL 83 | 0605 | 1617.0 | 3.0 | 3 | 174-83 | 1 | P | C1 | 28 JUL 83 | |
| 21 JUL 83 | 0615 | 1571.1 | -2.0 | 2 | 538-82 | 1 | P | C1 | 06 AUG 83 | |
| 28 JUL 83 | 0600 | 1579.5 | -1.0 | 2 | 1428-82 | 1 | P | C1 | 19 AUG 83 | |
| 04 AUG 83 | 0600 | 1593.5 | 3.0 | 2 | 60-83 | 1 | P | C1 | 01 SEP 83 | |
| 11 AUG 83 | 0600 | 1584.5 | 5.0 | 2 | 1288-82 | 1 | P | C1 | 02 SEP 83 | |
| 22 AUG 83 | 0645 | 1578.0 | -18.0 | 3 | 1806-82 | 1 | P | C1 | 14 SEP 83 | |
| 29 AUG 83 | 0600 | 1595.0 | 0.0 | 2 | 724-83 | 1 | P | C1 | 14 SEP 83 | |
| 05 SEP 83 | 0615 | 1592.0 | | 1 | 860-81 | 1 | P | C2 | 27 SEP 83 | |
| 12 SEP 83 | 0611 | 1598.0 | 0.0 | 2 | 1152-82 | 1 | P | C2 | 27 SEP 83 | |
| 19 SEP 83 | 0600 | 1629.0 | 0.0 | 2 | 122-83 | 1 | P | C2 | 28 SEP 83 | |
| 26 SEP 83 | 0605 | 1621.5 | -3.0 | 2 | 1296-82 | 1 | P | C2 | 06 OCT 83 | |
| 03 OCT 83 | 0635 | 1624.0 | 4.0 | 2 | 1498-82 | 1 | P | C1 | 18 OCT 83 | |
| 10 OCT 83 | 0625 | 1633.0 | 8.0 | 2 | 710-83 | 1 | P | C1 | 26 OCT 83 | |
| 17 OCT 83 | 0605 | 1624.0 | -2.0 | 2 | 36-83 | 1 | P | C1 | 26 OCT 83 | |
| 24 OCT 83 | 0745 | 1638.5 | -3.0 | 2 | 746-83 | 1 | P | C1 | 08 NOV 83 | |
| 31 OCT 83 | 0710 | 1602.0 | -2.0 | 2 | 1714-82 | 1 | P | C1 | 08 NOV 83 | |
| 07 NOV 83 | 0615 | 1638.0 | -4.0 | 2 | 1150-82 | 1 | P | C2 | 08 DEC 83 | |
| 17 NOV 83 | 0640 | 1627.5 | -1.0 | 2 | 846-81 | 1 | P | C2 | 13 DEC 83 | |
| 24 NOV 83 | 0620 | 1647.5 | 1.0 | 2 | 710-83 | 1 | P | C2 | 08 DEC 83 | |
| 28 NOV 83 | 0630 | 1633.0 | -8.0 | 2 | 390-82 | 1 | P | C2 | 24 DEC 83 | |
| 08 DEC 83 | 0630 | 1647.5 | 3.0 | 2 | 682-82 | 1 | P | C2 | 27 DEC 83 | |
| 15 DEC 83 | 0640 | 1608.5 | 3.0 | 2 | 938-83 | 1 | P | C2 | 28 DEC 83 | |
| 23 DEC 83 | 0730 | 1631.5 | 7.0 | 2 | 1790-82 | 1 | P | C2 | 03 JAN 84 | |
| 02 JAN 84 | 0700 | 1596.0 | 0.0 | 2 | 1579-82 | 1 | P | C2 | 18 JAN 84 | |
| 09 JAN 84 | 0615 | 1620.5 | -3.0 | 2 | 954-83 | 1 | P | C2 | 31 JAN 84 | |
| 16 JAN 84 | 0615 | 1629.0 | 2.0 | 2 | 1048-82 | 1 | P | C2 | 31 JAN 84 | |
| 23 JAN 84 | 0615 | 1635.0 | -2.0 | 2 | 278-82 | 1 | P | C2 | 02 FEB 84 | |
| 31 JAN 84 | 0643 | 1655.0 | 2.0 | 2 | 936-82 | 1 | P | C2 | 07 FEB 84 | |
| 06 FEB 84 | 0615 | 1624.0 | 2.0 | 2 | 682-82 | 1 | P | C2 | 04 MAR 84 | |
| 13 FEB 84 | 0610 | 1653.5 | -3.0 | 2 | 10-83 | 1 | P | C2 | 05 MAR 84 | |
| 20 FEB 84 | 0640 | 1627.5 | 1.0 | 2 | 1594-82 | 1 | P | C2 | 04 MAR 84 | |
| 01 MAR 84 | 0701 | 1653.5 | -3.0 | 2 | 1620-82 | 1 | P | C2 | 29 MAR 84 | |
| 08 MAR 84 | 0620 | 1621.5 | 3.0 | 2 | 1644-82 | 1 | P | C2 | 30 MAR 84 | |
| 15 MAR 84 | 0700 | 1613.0 | -2.0 | 2 | 202-83 | 1 | P | C2 | 30 MAR 84 | |
| 22 MAR 84 | 0635 | 1618.5 | -3.0 | 2 | 1154-82 | 1 | P | C2 | 02 APR 84 | |
| 29 MAR 84 | 0635 | 1645.5 | 3.0 | 2 | 808-83 | 1 | P | C2 | 12 APR 84 | |
| 12 APR 84 | 0730 | 1628.0 | 8.0 | 2 | 944-83 | 1 | P | C2 | 24 APR 84 | |
| 17 APR 84 | 0618 | 1639.0 | 6.0 | 2 | 258-82 | 1 | P | C2 | 03 MAY 84 | |
| 23 APR 84 | 0610 | 1620.0 | -4.0 | 2 | 1248-82 | 1 | P | C2 | 15 MAY 84 | |
| 30 APR 84 | 0625 | 1612.0 | -2.0 | 2 | 1652-82 | 1 | P | C2 | 15 MAY 84 | |
| 07 MAY 84 | 0645 | 1611.5 | 3.0 | 2 | 1572-82 | 1 | P | C2 | 23 MAY 84 | |
| 14 MAY 84 | 0600 | 1625.0 | 6.0 | 2 | 1670-82 | 1 | P | C2 | 23 MAY 84 | |
| 21 MAY 84 | 0600 | 1620.0 | 2.0 | 2 | 1498-82 | 1 | P | C2 | 01 JUN 84 | |
| 28 MAY 84 | 0610 | 1640.0 | | 1 | 800-82 | 1 | P | C2 | 01 JUN 84 | |
| 04 JUN 84 | 0622 | 1620.5 | 7.0 | 2 | 732-81 | 1 | P | C2 | 14 JUN 84 | |
| 11 JUN 84 | 0607 | 1609.0 | 0.0 | 2 | 686-81 | 1 | P | C2 | 10 JUL 84 | |
| 18 JUN 84 | 0730 | 1612.0 | -4.0 | 2 | 612-83 | 1 | P | C2 | 10 JUL 84 | |
| 25 JUN 84 | 0600 | 1616.5 | 1.0 | 2 | 782-83 | 1 | P | C2 | 11 JUL 84 | |
| 02 JUL 84 | 0755 | 1618.5 | -3.0 | 2 | 1564-82 | 1 | P | C2 | 17 JUL 84 | |
| 09 JUL 84 | 0610 | 1618.0 | 4.0 | 2 | 1028-82 | 1 | P | C2 | 17 JUL 84 | |
| 16 JUL 84 | 0725 | 1609.0 | 0.0 | 2 | 911-83 | 1 | P | C2 | 13 AUG 84 | |
| 23 JUL 84 | 0639 | 1612.5 | -1.0 | 2 | 1416-82 | 1 | P | C2 | 01 AUG 84 | |
| 30 JUL 84 | 0650 | 1600.5 | 3.0 | 2 | 1385-82 | 1 | P | C2 | 07 SEP 84 | |
| 09 AUG 84 | 0700 | 1599.0 | 4.0 | 2 | 1408-82 | 1 | P | C2 | 05 SEP 84 | |

Guam, Mariana Islands (GMI)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 20 AUG 84 | 0640 | 1604.5 | -1.0 | 2 | 344-82 | 1 | P | C2 | 11 SEP 84 | |
| 20 AUG 84 | 0640 | 1611.5 | -1.0 | 2 | 344-82 | 1 | P | C2 | 22 SEP 84 | |
| 27 AUG 84 | 0610 | 1598.5 | 1.0 | 2 | 960-83 | 1 | P | C2 | 11 SEP 84 | |
| 03 SEP 84 | 0610 | 1602.0 | 0.0 | 2 | 1540-82 | 1 | P | C2 | 10 SEP 84 | |
| 11 SEP 84 | 0600 | 1611.5 | -1.0 | 2 | 682-82 | 1 | P | C2 | 22 SEP 84 | |
| 17 SEP 84 | 0605 | 1630.5 | 1.0 | 2 | 1732-82 | 1 | P | C2 | 22 SEP 84 | |
| 24 SEP 84 | 0600 | 1605.9 | 1.7 | 2 | 630-81 | 1 | P | C2 | 18 OCT 84 | |
| 01 OCT 84 | 0600 | 1642.6 | -.1 | 2 | 1190-82 | 1 | P | C2 | 14 NOV 84 | |
| 11 OCT 84 | 0610 | 1628.8 | 5.0 | 2 | 754-82 | 1 | P | C2 | 02 NOV 84 | |
| 19 OCT 84 | 0750 | 1618.9 | -3.9 | 2 | 478-82 | 1 | P | C2 | 31 OCT 84 | |
| 25 OCT 84 | 0625 | 1633.5 | 1.6 | 2 | 1250-82 | 1 | P | C2 | 07 NOV 84 | |
| 02 NOV 84 | 0705 | 1637.9 | -.7 | 2 | 1244-82 | 1 | P | C2 | 27 NOV 84 | |
| 15 NOV 84 | 0715 | 1620.0 | 3.0 | 2 | 624-82 | 1 | P | C2 | 27 NOV 84 | |
| 23 NOV 84 | 0705 | 1598.9 | -10.0 | 3 | 750-83 | 1 | P | C2 | 04 DEC 84 | |
| 03 DEC 84 | 0620 | 1662.0 | 1.5 | 2 | 1602-82 | 1 | P | C2 | 18 DEC 84 | |
| 10 DEC 84 | 0650 | 1653.7 | 1.1 | 2 | 626-83 | 1 | P | C2 | 08 JAN 85 | |
| 20 DEC 84 | 0610 | 1667.9 | .4 | 2 | 1728-82 | 1 | P | C2 | 08 JAN 85 | |
| 28 DEC 84 | 0725 | 1660.9 | -2.0 | 2 | 256-83 | 1 | P | C2 | 04 FEB 85 | |
| 08 JAN 85 | 0635 | 1641.1 | 1.3 | 2 | 470-82 | 1 | P | C2 | 16 JAN 85 | |
| 17 JAN 85 | 0720 | 1641.0 | .6 | 2 | 416-82 | 1 | P | C2 | 04 FEB 85 | |
| 29 JAN 85 | 0745 | 1631.7 | -1.1 | 2 | 682-82 | 1 | P | C2 | 13 FEB 85 | |
| 08 FEB 85 | 0550 | 1664.7 | -2.6 | 2 | 926-82 | 1 | P | C2 | 20 FEB 85 | |
| 01 MAR 85 | 0620 | 1668.4 | | 1 | 688-81 | 1 | P | C2 | 26 MAR 85 | |
| 22 MAR 85 | 0735 | 1655.0 | 5.7 | 2 | 1376-82 | 1 | P | C2 | 04 APR 85 | |
| 02 APR 85 | 0806 | 1645.5 | -3.2 | 2 | 1192-82 | 1 | P | C2 | 24 APR 85 | |
| 09 APR 85 | 0745 | 1660.9 | 3.4 | 2 | 276-82 | 1 | P | C2 | 16 APR 85 | |
| 19 APR 85 | 0750 | 1643.4 | -.4 | 2 | 188-83 | 1 | P | C2 | 01 MAY 85 | |
| 22 APR 85 | 0730 | 1632.3 | | 1 | 164-83 | 1 | P | C2 | 22 MAY 85 | |
| 12 MAY 85 | 0820 | 1640.7 | 4.2 | 2 | 948-82 | 1 | P | C2 | 11 JUN 85 | |
| 23 MAY 85 | 0636 | 1608.2 | 5.1 | 2 | 788-83 | 1 | P | C2 | 11 JUN 85 | |
| 30 MAY 85 | 0812 | 1644.5 | 2.9 | 2 | 1562-82 | 1 | P | C2 | 11 JUN 85 | |
| 06 JUN 85 | 0820 | 1647.3 | -1.0 | 2 | 90-83 | 1 | P | C2 | 28 JUN 85 | |
| 18 JUN 85 | 0719 | 1622.5 | 2.8 | 2 | 660-83 | 1 | P | C2 | 28 JUN 85 | |
| 19 JUL 85 | 0620 | 1636.2 | .9 | 2 | 668-83 | 1 | P | C2 | 31 JUL 85 | |
| 01 AUG 85 | 0635 | 1619.8 | -5.5 | 2 | 704-83 | 1 | P | C3 | 12 AUG 85 | |
| 09 AUG 85 | 0700 | 1626.5 | 3.0 | 2 | 832-83 | 1 | P | C3 | 16 AUG 85 | |
| 15 AUG 85 | 0630 | 1622.9 | .7 | 2 | 546-83 | 1 | P | C3 | 26 AUG 85 | |
| 03 SEP 85 | 0726 | 1641.1 | -.1 | 2 | 718-83 | 1 | P | C3 | 24 SEP 85 | |
| 14 SEP 85 | 0713 | 1606.3 | 2.1 | 2 | 390-85 | 1 | P | C3 | 23 SEP 85 | |
| 17 SEP 85 | 0713 | 1638.0 | .5 | 2 | 452-83 | 1 | P | C3 | 02 OCT 85 | |
| 03 OCT 85 | 0735 | 1670.1 | .9 | 2 | 1474-82 | 1 | P | C3 | 22 OCT 85 | |
| 18 OCT 85 | 0755 | 1663.6 | -2.5 | 2 | 856-83 | 1 | P | C3 | 29 OCT 85 | |
| 26 OCT 85 | 0735 | 1641.1 | 1.5 | 2 | 272-85 | 1 | P | C3 | 05 NOV 85 | |
| 02 NOV 85 | 0801 | 1668.2 | 1.4 | 2 | 1204-82 | 1 | P | C3 | 19 NOV 85 | |
| 11 NOV 85 | 0756 | 1675.5 | 0.0 | 2 | 1474-82 | 1 | P | C3 | 19 NOV 85 | |
| 18 NOV 85 | 0753 | 1671.7 | 1.5 | 2 | 666-83 | 1 | P | C3 | 15 DEC 85 | |
| 03 DEC 85 | 0732 | 1678.7 | -2.2 | 2 | 1162-82 | 1 | P | C3 | 03 JAN 86 | |
| 19 DEC 85 | 0755 | 1671.6 | 6.0 | 2 | 128-83 | 1 | P | C3 | 08 JAN 86 | |
| 26 DEC 85 | 0725 | 1656.4 | -.9 | 2 | 614-83 | 1 | P | C3 | 10 JAN 86 | |

## Halley Bay, Antarctica (HBA)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 17 JAN 83 | 1830 | 1541.6 | -1.0 | 2 | 898-82 | 1 | P | C2 | 12 SEP 84 | |
| 24 JAN 83 | 1630 | 1544.1 | 2.0 | 2 | 869-82 | 1 | P | C2 | 20 SEP 84 | |
| 31 JAN 83 | 1800 | 1537.6 | -1.0 | 2 | 733-82 | 1 | P | C2 | 20 SEP 84 | |
| 07 FEB 83 | 1730 | 1538.6 | 3.0 | 2 | 416-82 | 1 | P | C2 | 20 SEP 84 | |
| 14 FEB 83 | 1800 | 1537.1 | 4.0 | 2 | 478-82 | 1 | P | C2 | 13 SEP 84 | |
| 21 FEB 83 | 1630 | 1536.1 | -2.0 | 2 | 480-82 | 1 | P | C2 | 13 SEP 84 | |
| 07 MAR 83 | 1730 | 1568.1 | | 1 | 874-82 | 1 | P | C2 | 13 SEP 84 | + |
| 14 MAR 83 | 1730 | 1536.1 | -2.0 | 2 | 872-82 | 1 | P | C2 | 13 SEP 84 | |
| 21 MAR 83 | 1730 | 1540.6 | 1.0 | 2 | 878-82 | 1 | P | C2 | 13 SEP 84 | |
| 28 MAR 83 | 1730 | 1537.1 | 2.0 | 2 | 884-82 | 1 | P | C2 | 13 SEP 84 | |
| 04 APR 83 | 1830 | 1535.6 | 3.0 | 2 | 882-82 | 1 | P | C2 | 13 SEP 84 | |
| 11 APR 83 | 1730 | 1540.6 | -1.0 | 2 | 880-82 | 1 | P | C2 | 13 SEP 84 | |
| 25 APR 83 | 1830 | 1544.6 | 3.0 | 2 | 514-82 | 1 | P | C2 | 13 SEP 84 | |
| 02 MAY 83 | 1730 | 1547.1 | 2.0 | 2 | 516-82 | 1 | P | C2 | 13 SEP 84 | |
| 09 MAY 83 | 1930 | 1544.1 | 2.0 | 2 | 518-82 | 1 | P | C2 | 13 SEP 84 | |
| 16 MAY 83 | 2000 | 1555.1 | 4.0 | 2 | 512-82 | 1 | P | C2 | 13 SEP 84 | |
| 30 MAY 83 | 1900 | 1554.6 | 5.0 | 2 | 506-82 | 1 | P | C2 | 13 SEP 84 | |
| 06 JUN 83 | 1900 | 1553.1 | | 1 | 695-82 | 1 | P | C2 | 21 SEP 84 | |
| 06 JUN 83 | 1900 | 1564.1 | 2.0 | 2 | 696-82 | 1 | P | C2 | 20 SEP 84 | |
| 13 JUN 83 | 1900 | 1560.1 | 2.0 | 2 | 48-82 | 1 | P | C2 | 20 SEP 84 | |
| 04 JUL 83 | 1900 | 1588.0 | | 1 | 185-82 | 1 | P | C2 | 21 SEP 84 | + |
| 04 JUL 83 | 1900 | 1594.5 | -1.0 | 2 | 186-82 | 1 | P | C2 | 20 SEP 84 | + |
| 18 JUL 83 | 1900 | 1573.1 | 8.0 | 3 | 674-82 | 1 | P | C2 | 20 SEP 84 | |
| 05 SEP 83 | 1900 | 1576.6 | -1.0 | 2 | 670-82 | 1 | P | C2 | 20 SEP 84 | |
| 12 SEP 83 | 1900 | 1576.1 | 0.0 | 2 | 496-82 | 1 | P | C2 | 14 SEP 84 | |
| 19 SEP 83 | 1900 | 1577.1 | 0.0 | 2 | 504-82 | 1 | P | C2 | 20 SEP 84 | |
| 26 SEP 83 | 1930 | 1577.6 | 3.0 | 2 | 502-82 | 1 | P | C2 | 13 SEP 84 | |
| 03 OCT 83 | 1930 | 1579.0 | 0.0 | 2 | 494-82 | 1 | P | C2 | 19 SEP 84 | |
| 17 OCT 83 | 1830 | 1580.6 | 5.0 | 2 | 488-82 | 1 | P | C2 | 20 SEP 84 | |
| 24 OCT 83 | 1930 | 1578.6 | -1.0 | 2 | 486-82 | 1 | P | C2 | 20 SEP 84 | |
| 31 OCT 83 | 2200 | 1575.6 | 1.0 | 2 | 836-82 | 1 | P | C2 | 20 SEP 84 | |
| 07 NOV 83 | 1930 | 1574.6 | -3.0 | 2 | 838-82 | 1 | P | C2 | 20 SEP 84 | |
| 14 NOV 83 | 1900 | 1574.1 | 2.0 | 2 | 834-82 | 1 | P | C2 | 20 SEP 84 | |
| 21 NOV 83 | 1930 | 1577.1 | 2.0 | 2 | 848-82 | 1 | P | C2 | 20 SEP 84 | |
| 28 NOV 83 | 1930 | 1572.1 | 2.0 | 2 | 840-82 | 1 | P | C2 | 20 SEP 84 | |
| 05 DEC 83 | 1930 | 1571.6 | 3.0 | 2 | 832-82 | 1 | P | C2 | 20 SEP 84 | |
| 12 DEC 83 | 1900 | 1573.1 | 0.0 | 2 | 850-82 | 1 | P | C2 | 20 SEP 84 | |
| 19 DEC 83 | 1930 | 1569.6 | 1.0 | 2 | 528-82 | 1 | P | C2 | 12 SEP 84 | |
| 26 DEC 83 | 1930 | 1564.1 | 2.0 | 2 | 526-82 | 1 | P | C2 | 13 SEP 84 | |
| 02 JAN 84 | 2000 | 1564.1 | 2.0 | 2 | 686-82 | 1 | P | C2 | 13 SEP 84 | |
| 09 JAN 84 | 1930 | 1561.1 | 2.0 | 2 | 524-82 | 1 | P | C2 | 13 SEP 84 | |
| 23 JAN 84 | 1930 | 1558.6 | 1.0 | 2 | 520-82 | 1 | P | C2 | 13 SEP 84 | |
| 30 JAN 84 | 1930 | 1559.1 | 0.0 | 2 | 692-82 | 1 | P | C2 | 13 SEP 84 | |
| 06 FEB 84 | 1900 | 1555.2 | -.7 | 2 | 266-82 | 1 | P | C2 | 23 JUL 85 | |
| 27 FEB 84 | 1930 | 1558.2 | 3.0 | 2 | 828-82 | 1 | P | C2 | 23 JUL 85 | |
| 12 MAR 84 | 2000 | 1558.0 | .9 | 2 | 146-82 | 1 | P | C2 | 23 JUL 85 | |
| 06 AUG 84 | 2000 | 1589.7 | 1.8 | 2 | 342-83 | 1 | P | C2 | 19 JUL 85 | |
| 26 NOV 84 | 2000 | 1585.0 | 1.8 | 2 | 394-83 | 1 | P | C2 | 23 JUL 85 | |
| 03 DEC 84 | 2000 | 1584.1 | 2.6 | 2 | 392-83 | 1 | P | C2 | 23 JUL 85 | |
| 17 DEC 84 | 2300 | 1582.6 | 2.6 | 2 | 386-83 | 1 | P | C4 | 16 SEP 86 | |
| 31 DEC 84 | 1900 | 1576.0 | 8.0 | 2 | 416-83 | 1 | P | C4 | 15 SEP 86 | |
| 22 JAN 85 | 1900 | 1567.7 | 6.9 | 2 | 414-83 | 1 | P | C4 | 16 SEP 86 | |
| 04 FEB 85 | 1900 | 1573.2 | 12.1 | 3 | 418-83 | 1 | P | C4 | 15 SEP 86 | |
| 18 FEB 85 | 1900 | 1571.7 | 2.6 | 2 | 420-83 | 1 | P | C4 | 15 SEP 86 | |
| 13 MAY 85 | 1900 | 1592.5 | 1.7 | 2 | 407-83 | 1 | P | C4 | 16 SEP 86 | + |
| 10 JUN 85 | 1900 | 1587.7 | 10.6 | 2 | 136-85 | 1 | P | C4 | 16 SEP 86 | |
| 22 JUL 85 | 1900 | 1592.9 | -6.2 | 2 | 142-85 | 1 | P | C4 | 15 SEP 86 | |
| 05 AUG 85 | 2000 | 1596.7 | 1.5 | 2 | 144-85 | 1 | P | C4 | 16 SEP 86 | |
| 09 SEP 85 | 1900 | 1601.6 | .1 | 2 | 302-83 | 1 | P | C4 | 16 SEP 86 | |
| 30 SEP 85 | 1900 | 1608.2 | -3.3 | 2 | 304-83 | 1 | P | C4 | 15 SEP 86 | |
| 11 NOV 85 | 1900 | 1601.7 | 0.0 | 2 | 310-83 | 1 | P | C4 | 16 SEP 86 | |
| 18 NOV 85 | 1900 | 1603.5 | 4.2 | 2 | 312-83 | 1 | P | C4 | 15 SEP 86 | |

Key Biscayne, Florida (KEY)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 OCT 83 | 1545 | 1629.5 | -5.0 | 2 | 34-83 | 1 | P | C1 | 26 OCT 83 | |
| 15 NOV 83 | 1400 | 1701.5 | 9.0 | 2 | 1798-82 | 1 | P | C2 | 07 DEC 83 | |
| 22 NOV 83 | 1410 | 1658.0 | 4.0 | 2 | 1818-82 | 1 | P | C2 | 13 DEC 83 | |
| 22 DEC 83 | 1600 | 1652.5 | 5.0 | 2 | 944-81 | 1 | P | C2 | 04 JAN 84 | |
| 09 JAN 84 | 1720 | 1696.0 | -6.0 | 2 | 216-83 | 1 | P | C2 | 18 JAN 84 | |
| 24 JAN 84 | 1510 | 1685.0 | -2.0 | 2 | 248-83 | 1 | P | C2 | 02 FEB 84 | + |
| 10 FEB 84 | 1600 | 1676.5 | 1.0 | 2 | 180-83 | 1 | P | C2 | 05 MAR 84 | |
| 06 MAR 84 | 1612 | 1646.0 | 0.0 | 2 | 628-82 | 1 | P | C2 | 29 MAR 84 | |
| 27 MAR 84 | 1430 | 1660.5 | 1.0 | 2 | 800-83 | 1 | P | C2 | 24 APR 84 | |
| 13 APR 84 | 1547 | 1636.5 | 1.0 | 2 | 1000-82 | 1 | P | C2 | 24 APR 84 | |
| 26 APR 84 | 1507 | 1699.5 | 5.0 | 2 | 726-82 | 1 | P | C2 | 03 MAY 84 | |
| 22 MAY 84 | 1345 | 1644.0 | 0.0 | 2 | 1820-82 | 1 | P | C2 | 31 MAY 84 | |
| 12 JUN 84 | 1345 | 1668.0 | 2.0 | 2 | 1538-82 | 1 | P | C2 | 10 JUL 84 | |
| 19 JUL 84 | 1620 | 1640.0 | -2.0 | 2 | 814-82 | 1 | P | C2 | 31 JUL 84 | + |
| 06 AUG 84 | 1750 | 1633.0 | 0.0 | 2 | 1736-82 | 1 | P | C2 | 14 AUG 84 | + |
| 10 AUG 84 | 1756 | 1630.0 | 2.0 | 2 | 930-83 | 1 | P | C2 | 07 SEP 84 | |
| 14 AUG 84 | 1755 | 1637.0 | 0.0 | 2 | 364-82 | 1 | P | C2 | 10 SEP 84 | |
| 20 AUG 84 | 1747 | 1677.0 | 2.0 | 2 | 1568-82 | 1 | P | C2 | 07 SEP 84 | |
| 24 AUG 84 | 1740 | 1652.0 | 2.0 | 2 | 742-82 | 1 | P | C2 | 11 SEP 84 | + |
| 07 SEP 84 | 1750 | 1669.5 | 1.0 | 2 | 1250-82 | 1 | P | C2 | 22 SEP 84 | |
| 11 SEP 84 | 1740 | 1712.0 | | 1 | 704-82 | 1 | P | C2 | 22 SEP 84 | + |
| 13 SEP 84 | 1755 | 1654.0 | | 1 | 1632-82 | 1 | P | C2 | 22 SEP 84 | |
| 17 SEP 84 | 1800 | 1657.0 | -3.7 | 2 | 624-82 | 1 | P | C2 | 16 OCT 84 | |
| 19 SEP 84 | 1840 | 1681.5 | -5.0 | 2 | 974-83 | 1 | P | C2 | 17 OCT 84 | |
| 21 SEP 84 | 1800 | 1638.1 | 5.1 | 2 | 1205-82 | 1 | P | C2 | 16 OCT 84 | |
| 25 SEP 84 | 1800 | 1701.1 | -.9 | 2 | 546-83 | 1 | P | C2 | 16 OCT 84 | |
| 28 SEP 84 | 1800 | 1662.4 | -2.8 | 2 | 906-82 | 1 | P | C2 | 18 OCT 84 | |
| 02 OCT 84 | 1800 | 1733.9 | 4.3 | 2 | 1176-82 | 1 | P | C2 | 30 OCT 84 | + |
| 04 OCT 84 | 1815 | 1706.2 | 8.0 | 2 | 1232-82 | 1 | P | C2 | 30 OCT 84 | + |
| 09 OCT 84 | 1820 | 1687.6 | 1.0 | 2 | 82-83 | 1 | P | C2 | 18 OCT 84 | |
| 11 OCT 84 | 1800 | 1695.2 | -2.0 | 2 | 416-82 | 1 | P | C2 | 30 OCT 84 | |
| 17 OCT 84 | 1745 | 1717.4 | -3.8 | 2 | 976-82 | 1 | P | C2 | 01 NOV 84 | |
| 19 OCT 84 | 1815 | 1684.9 | -.2 | 2 | 1332-82 | 1 | P | C2 | 31 OCT 84 | |
| 23 OCT 84 | 1755 | 1680.0 | -.5 | 2 | 752-82 | 1 | P | C2 | 31 OCT 84 | |
| 26 OCT 84 | 1810 | 1646.4 | -.4 | 2 | 12-83 | 1 | P | C2 | 02 NOV 84 | + |
| 30 OCT 84 | 1915 | 1679.7 | -.4 | 2 | 252-83 | 1 | P | C2 | 14 NOV 84 | |
| 01 NOV 84 | 1920 | 1657.9 | -1.3 | 2 | 490-82 | 1 | P | C2 | 07 NOV 84 | |
| 05 NOV 84 | 1930 | 1798.1 | 2.8 | 2 | 1588-82 | 1 | P | C2 | 14 NOV 84 | + |
| 07 NOV 84 | 1900 | 1708.6 | -.1 | 2 | 1298-82 | 1 | P | C2 | 15 NOV 84 | + |
| 13 NOV 84 | 1910 | 1767.6 | -2.0 | 2 | 260-82 | 1 | P | C2 | 27 NOV 84 | + |
| 15 NOV 84 | 1920 | 1697.7 | 2.9 | 2 | 286-83 | 1 | P | C2 | 23 NOV 84 | |
| 15 NOV 84 | 1920 | 1700.2 | -3.6 | 2 | 286-83 | 1 | P | C2 | 06 DEC 84 | |
| 19 NOV 84 | 1930 | 1678.2 | -1.3 | 2 | 82-83 | 1 | P | C2 | 27 NOV 84 | |
| 26 NOV 84 | 1915 | 1705.2 | -4.1 | 2 | 524-82 | 1 | P | C2 | 04 DEC 84 | |
| 30 NOV 84 | 1925 | 1696.1 | 2.2 | 2 | 1588-82 | 1 | P | C2 | 18 DEC 84 | |
| 04 DEC 84 | 1940 | 1668.6 | 3.1 | 2 | 704-83 | 1 | P | C2 | 18 DEC 84 | |
| 30 JAN 85 | 1950 | 1709.8 | 3.6 | 2 | 1076-82 | 1 | P | C2 | 05 FEB 85 | |
| 01 FEB 85 | 1920 | 1688.3 | 1.5 | 2 | 954-83 | 1 | P | C2 | 13 FEB 85 | |
| 08 FEB 85 | 1900 | 1720.6 | 2.2 | 2 | 832-83 | 1 | P | C2 | 20 FEB 85 | + |
| 19 FEB 85 | 1830 | 1662.6 | -5.9 | 2 | 1734-82 | 1 | P | C2 | 27 FEB 85 | + |
| 22 FEB 85 | 1900 | 1698.7 | -1.6 | 2 | 882-83 | 1 | P | C2 | 25 MAR 85 | |
| 26 FEB 85 | 1800 | 1685.1 | 2.6 | 2 | 538-82 | 1 | P | C2 | 25 MAR 85 | |
| 05 MAR 85 | 1840 | 1662.3 | -4.9 | 2 | 916-83 | 1 | P | C2 | 27 MAR 85 | |
| 05 APR 85 | 1820 | 1692.4 | 5.0 | 2 | 830-82 | 1 | P | C2 | 12 APR 85 | |
| 11 APR 85 | 2035 | 1702.1 | 5.6 | 2 | 618-83 | 1 | P | C2 | 23 APR 85 | |
| 23 APR 85 | 1850 | 1704.2 | -1.7 | 2 | 278-82 | 1 | P | C2 | 01 MAY 85 | |
| 06 MAY 85 | 1830 | 1701.9 | -4.7 | 2 | 1388-82 | 1 | P | C2 | 16 MAY 85 | |
| 13 MAY 85 | 1835 | 1669.4 | -2.1 | 2 | 1224-82 | 1 | P | C2 | 16 MAY 85 | |
| 20 MAY 85 | 1730 | 1667.4 | 1.5 | 2 | 1646-82 | 1 | P | C2 | 29 MAY 85 | |
| 23 MAY 85 | 1730 | 1654.1 | -2.7 | 2 | 200-83 | 1 | P | C2 | 29 MAY 85 | |
| 28 MAY 85 | 1800 | 1699.5 | 2.8 | 2 | 662-83 | 1 | P | C2 | 11 JUN 85 | |
| 05 JUN 85 | 1750 | 1691.0 | 5.2 | 2 | 1392-82 | 1 | P | C2 | 13 JUN 85 | |
| 20 JUN 85 | 1805 | 1665.5 | 1.9 | 2 | 750-82 | 1 | P | C2 | 28 JUN 85 | |
| 26 JUN 85 | 1755 | 1647.8 | | 1 | 962-83 | 1 | P | C2 | 09 JUL 85 | |

Key Biscayne, Florida (KEY)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 JUL 85 | 1830 | 1627.2 | -4.6 | 2 | 1250-82 | 1 | P | C2 | 19 JUL 85 | |
| 15 JUL 85 | 1815 | 1654.1 | | 1 | 622-83 | 1 | P | C2 | 19 JUL 85 | |
| 15 JUL 85 | 1830 | 1652.6 | 1.2 | 2 | 278-82 | 1 | P | C2 | 19 JUL 85 | |
| 26 JUL 85 | 1815 | 1643.5 | 2.1 | 2 | 1000-82 | 1 | P | C2 | 31 JUL 85 | |
| 02 AUG 85 | 1730 | 1651.1 | .9 | 2 | 1588-82 | 1 | P | C3 | 12 AUG 85 | |
| 08 AUG 85 | 1825 | 1651.0 | -1.2 | 2 | 1192-82 | 1 | P | C3 | 15 AUG 85 | |
| 14 AUG 85 | 1740 | 1645.3 | 1.0 | 2 | 384-83 | 1 | P | C3 | 26 AUG 85 | |
| 19 AUG 85 | 1810 | 1643.8 | .6 | 2 | 920-82 | 1 | P | C3 | 26 AUG 85 | |
| 23 AUG 85 | 1830 | 1649.0 | -1.1 | 2 | 880-83 | 1 | P | C3 | 11 SEP 85 | |
| 28 AUG 85 | 1715 | 1650.1 | -3.5 | 2 | 976-82 | 1 | P | C3 | 11 SEP 85 | |
| 05 SEP 85 | 1830 | 1646.5 | 1.0 | 2 | 844-83 | 1 | P | C3 | 12 SEP 85 | |
| 16 SEP 85 | 1740 | 1686.2 | -.9 | 2 | 846-83 | 1 | P | C3 | 24 SEP 85 | |
| 23 SEP 85 | 1800 | 1667.9 | .5 | 2 | 780-83 | 1 | P | C3 | 02 OCT 85 | |
| 25 SEP 85 | 1650 | 1676.9 | .1 | 2 | 1268-82 | 1 | P | C3 | 02 OCT 85 | |
| 15 OCT 85 | 1800 | 1666.6 | .1 | 2 | 704-83 | 1 | P | C3 | 24 OCT 85 | |
| 17 OCT 85 | 1810 | 1692.8 | 1.2 | 2 | 846-83 | 1 | P | C3 | 28 OCT 85 | |
| 21 OCT 85 | 1815 | 1687.0 | .6 | 2 | 346-83 | 1 | P | C3 | 28 OCT 85 | |
| 25 OCT 85 | 1815 | 1689.8 | 1.6 | 2 | 948-83 | 1 | P | C3 | 04 NOV 85 | |
| 12 NOV 85 | 1900 | 1689.2 | -.2 | 2 | 1486-82 | 1 | P | C3 | 20 NOV 85 | |
| 18 NOV 85 | 1840 | 1690.7 | -1.1 | 2 | 790-83 | 1 | P | C3 | 27 NOV 85 | |
| 21 NOV 85 | 1930 | 1688.1 | 1.5 | 2 | 34-83 | 1 | P | C3 | 27 NOV 85 | |
| 27 NOV 85 | 1850 | 1690.8 | 1.2 | 2 | 934-83 | 1 | P | C3 | 15 DEC 85 | |
| 10 DEC 85 | 1850 | 1700.8 | 2.6 | 2 | 1526-82 | 1 | P | C3 | 13 DEC 85 | |

Kitt Peak, Arizona (KPA)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 28 APR 83 | 2055 | 1620.5 | -3.0 | 2 | 105-83 | 1 | P | C1 | 03 MAY 83 | |
| 28 APR 83 | 2055 | 1623.5 | 3.0 | 2 | 106-83 | 1 | P | C1 | 03 MAY 83 | |
| 04 MAY 83 | 2335 | 1657.0 | 6.0 | 2 | 233-83 | 1 | P | C1 | 01 JUN 83 | |
| 04 MAY 83 | 2335 | 1642.5 | -23.0 | 2 | 234-83 | 1 | P | C1 | 01 JUN 83 | |
| 28 MAY 83 | 2240 | 1642.0 | 22.0 | 2 | 933-81 | 1 | P | C1 | 06 JUN 83 | |
| 28 MAY 83 | 2240 | 1638.0 | 8.0 | 2 | 934-81 | 1 | P | C1 | 06 JUN 83 | |
| 18 JUN 83 | 2150 | 1636.5 | -11.0 | 2 | 221-83 | 1 | P | C1 | 06 JUL 83 | |
| 18 JUN 83 | 2150 | 1632.0 | 14.0 | 2 | 222-83 | 1 | P | C1 | 06 JUL 83 | |
| 18 JUN 83 | 0903 | 1644.5 | 13.0 | 2 | 263-82 | 1 | P | C1 | 28 JUN 83 | |
| 31 JUL 83 | 0757 | 1602.5 | 9.0 | 2 | 231-83 | 1 | P | C1 | 06 AUG 83 | |
| 31 JUL 83 | 0757 | 1605.0 | 10.0 | 2 | 232-83 | 1 | P | C1 | 06 AUG 83 | |
| 31 JUL 83 | 2034 | 1602.5 | -9.0 | 2 | 1701-82 | 1 | P | C1 | 06 AUG 83 | |
| 31 JUL 83 | 2034 | 1609.5 | -15.0 | 2 | 1702-82 | 1 | P | C1 | 06 AUG 83 | |
| 11 SEP 83 | 2033 | 1630.5 | -7.0 | 2 | 258-83 | 1 | P | C1 | 15 SEP 83 | |
| 26 OCT 83 | 0225 | 1739.0 | -2.0 | 2 | 201-83 | 1 | P | C1 | 08 NOV 83 | |
| 26 OCT 83 | 0225 | 1739.5 | -1.0 | 2 | 202-83 | 1 | P | C1 | 08 NOV 83 | |
| 26 OCT 83 | 2115 | 1713.0 | 2.0 | 2 | 9-83 | 1 | P | C1 | 08 NOV 83 | |
| 26 OCT 83 | 2115 | 1712.5 | 3.0 | 2 | 10-83 | 1 | P | C1 | 08 NOV 83 | |
| 17 FEB 84 | 2025 | 1698.5 | 5.0 | 2 | 176-83 | 1 | P | C2 | 04 MAR 84 | |
| 30 MAY 84 | 1935 | 1642.5 | -3.0 | 2 | 1534-82 | 1 | P | C2 | 15 JUN 84 | |
| 28 AUG 84 | 2015 | 1645.5 | -5.0 | 2 | 976-82 | 1 | P | C2 | 22 SEP 84 | |
| 18 SEP 84 | 1830 | 1677.0 | | 1 | 86-83 | 1 | P | C2 | 22 SEP 84 | |
| 27 NOV 84 | 2130 | 1678.9 | -3.7 | 2 | 534-82 | 1 | P | C2 | 16 JAN 85 | |
| 14 DEC 84 | 2030 | 1699.3 | -.1 | 2 | 948-82 | 1 | P | C2 | 28 MAR 85 | |
| 22 MAR 85 | 9999 | 1683.4 | 6.1 | 2 | 898-82 | 1 | P | C2 | 28 MAR 85 | |
| 11 APR 85 | 2100 | 1664.9 | 2.2 | 2 | 756-83 | 1 | P | C2 | 22 MAY 85 | |

Kumukahi, Hawaii (KUM)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 05 APR 83 | 0005 | 1617.7 | 0.0 | 3 | 77-83 | 1 | P | C1 | 29 APR 83 | |
| 05 APR 83 | 0005 | 1614.0 | 0.0 | 3 | 78-83 | 1 | P | C1 | 29 APR 83 | |
| 13 APR 83 | 0010 | 1645.0 | 9.0 | 3 | 417-82 | 1 | P | C1 | 29 APR 83 | |
| 13 APR 83 | 0010 | 1647.0 | -3.0 | 3 | 418-82 | 1 | P | C1 | 29 APR 83 | |
| 10 MAY 83 | 2357 | 1634.0 | 0.0 | 2 | 997-81 | 1 | P | C1 | 17 MAY 83 | |
| 10 MAY 83 | 2357 | 1645.0 | -6.0 | 2 | 998-81 | 1 | P | C1 | 17 MAY 83 | |
| 18 MAY 83 | 0023 | 1649.5 | -15.0 | 2 | 483-82 | 1 | P | C1 | 24 MAY 83 | |
| 18 MAY 83 | 0023 | 1659.5 | 5.0 | 2 | 484-82 | 1 | P | C1 | 25 MAY 83 | |
| 13 JUN 83 | 2337 | 1640.0 | -10.0 | 2 | 292-83 | 1 | P | C1 | 28 JUN 83 | |
| 16 AUG 83 | 0005 | 1623.0 | 0.0 | 2 | 624-82 | 1 | P | C1 | 19 AUG 83 | |
| 12 SEP 83 | 2352 | 1667.5 | 5.0 | 2 | 1056-82 | 1 | P | C2 | 28 SEP 83 | |
| 11 OCT 83 | 2352 | 1679.5 | -7.0 | 2 | 1582-82 | 1 | P | C1 | 26 OCT 83 | |
| 25 OCT 83 | 2301 | 1659.3 | -3.0 | 3 | 1758-82 | 1 | P | C1 | 04 NOV 83 | |
| 31 OCT 83 | 2353 | 1661.0 | 2.0 | 2 | 192-83 | 1 | P | C1 | 04 NOV 83 | |
| 01 NOV 83 | 2348 | 1661.0 | 2.0 | 2 | 276-82 | 1 | P | C1 | 08 NOV 83 | |
| 07 NOV 83 | 2348 | 1657.0 | 4.0 | 2 | 278-82 | 1 | P | C1 | 13 NOV 83 | |
| 21 NOV 83 | 2350 | 1653.5 | -1.0 | 2 | 1750-82 | 1 | P | C2 | 13 DEC 83 | |
| 07 DEC 83 | 0015 | 1661.5 | 3.0 | 2 | 794-83 | 1 | P | C2 | 27 DEC 83 | |
| 20 DEC 83 | 0002 | 1655.3 | -1.0 | 3 | 742-83 | 1 | P | C2 | 28 DEC 83 | |
| 09 JAN 84 | 2310 | 1653.0 | 8.0 | 2 | 920-82 | 1 | P | C2 | 17 JAN 84 | |
| 23 JAN 84 | 2353 | 1626.0 | 2.0 | 2 | 1534-82 | 1 | P | C2 | 02 FEB 84 | |
| 06 FEB 84 | 2342 | 1678.5 | -1.0 | 2 | 870-81 | 1 | P | C2 | 17 FEB 84 | |
| 20 FEB 84 | 2300 | 1657.0 | -4.0 | 2 | 936-83 | 1 | P | C2 | 05 MAR 84 | |
| 20 FEB 84 | 2300 | 1660.5 | -5.0 | 2 | 936-83 | 1 | P | C2 | 29 MAR 84 | |
| 28 FEB 84 | 0002 | 1669.0 | 0.0 | 2 | 762-83 | 1 | P | C2 | 05 MAR 84 | |
| 12 MAR 84 | 2333 | 1652.5 | 1.0 | 2 | 284-82 | 1 | P | C2 | 30 MAR 84 | |
| 26 MAR 84 | 2341 | 1651.3 | 3.0 | 3 | 738-82 | 1 | P | C2 | 02 APR 84 | |
| 03 APR 84 | 0002 | 1669.0 | 0.0 | 2 | 34-82 | 1 | P | C2 | 13 APR 84 | |
| 10 APR 84 | 0020 | 1669.5 | 1.0 | 2 | 734-81 | 1 | P | C2 | 17 APR 84 | |
| 17 APR 84 | 0002 | 1682.0 | 4.0 | 2 | 938-83 | 1 | P | C2 | 24 APR 84 | |
| 24 APR 84 | 0014 | 1679.0 | 0.0 | 2 | 1190-82 | 1 | P | C2 | 02 MAY 84 | |
| 02 MAY 84 | 0000 | 1682.5 | 5.0 | 2 | 484-82 | 1 | P | C2 | 15 MAY 84 | |
| 08 MAY 84 | 0005 | 1641.5 | -3.0 | 2 | 768-81 | 1 | P | C2 | 16 MAY 84 | |
| 15 MAY 84 | 0013 | 1644.7 | 9.0 | 3 | 264-82 | 1 | P | C2 | 23 MAY 84 | |
| 21 MAY 84 | 2350 | 1670.0 | 6.0 | 2 | 104-84 | 1 | P | C2 | 31 MAY 84 | |
| 30 MAY 84 | 0005 | 1623.0 | -2.0 | 2 | 106-84 | 1 | P | C2 | 01 JUN 84 | |
| 11 JUN 84 | 2344 | 1669.0 | -2.0 | 2 | 732-83 | 1 | P | C2 | 14 JUN 84 | |
| 03 JUL 84 | 0016 | 1619.5 | -1.0 | 2 | 1446-82 | 1 | P | C2 | 11 JUL 84 | |
| 10 JUL 84 | 0001 | 1623.5 | 3.0 | 2 | 1630-82 | 1 | P | C2 | 12 JUL 84 | |
| 17 JUL 84 | 0010 | 1639.0 | 6.0 | 2 | 1322-82 | 1 | P | C2 | 31 JUL 84 | |
| 30 JUL 84 | 2355 | 1638.0 | 4.0 | 2 | 388-82 | 1 | P | C2 | 01 AUG 84 | |
| 21 AUG 84 | 0004 | 1629.0 | -2.0 | 2 | 1218-82 | 1 | P | C2 | 07 SEP 84 | |
| 28 AUG 84 | 0005 | 1655.0 | 4.0 | 2 | 734-81 | 1 | P | C2 | 22 SEP 84 | |
| 04 SEP 84 | 2349 | 1652.5 | -1.0 | 2 | 12-83 | 1 | P | C2 | 10 SEP 84 | |
| 11 SEP 84 | 0007 | 1642.0 | 0.0 | 2 | 1682-82 | 1 | P | C2 | 22 SEP 84 | |
| 17 SEP 84 | 2327 | 1651.5 | 1.0 | 2 | 1610-82 | 1 | P | C2 | 21 SEP 84 | |
| 17 SEP 84 | 2327 | 1654.0 | 0.0 | 2 | 1750-82 | 1 | P | C2 | 21 SEP 84 | |
| 24 SEP 84 | 2312 | 1639.7 | -7.5 | 2 | 816-83 | 1 | P | C2 | 16 OCT 84 | |
| 01 OCT 84 | 2317 | 1679.5 | 3.6 | 2 | 10-83 | 1 | P | C2 | 18 OCT 84 | |
| 09 OCT 84 | 2317 | 1662.4 | 8.9 | 2 | 728-82 | 1 | P | C2 | 30 OCT 84 | |
| 15 OCT 84 | 2310 | 1673.9 | -2.2 | 2 | 796-83 | 1 | P | C2 | 30 OCT 84 | |
| 22 OCT 84 | 2310 | 1679.4 | | 1 | 1624-82 | 1 | P | C2 | 31 OCT 84 | |
| 29 OCT 84 | 2330 | 1662.4 | -1.4 | 2 | 112-83 | 1 | P | C2 | 01 NOV 84 | |
| 13 NOV 84 | 2318 | 1659.3 | -.8 | 2 | 786-83 | 1 | P | C2 | 15 NOV 84 | |
| 20 NOV 84 | 2317 | 1653.2 | -.1 | 2 | 734-81 | 1 | P | C2 | 23 NOV 84 | |
| 20 NOV 84 | 2318 | 1656.9 | -2.2 | 2 | 734-81 | 1 | P | C2 | 06 DEC 84 | |
| 28 NOV 84 | 2310 | 1665.7 | 4.6 | 2 | 1812-82 | 1 | P | C2 | 04 DEC 84 | |
| 03 DEC 84 | 2315 | 1645.5 | -3.7 | 2 | 746-82 | 1 | P | C2 | 06 DEC 84 | |
| 17 DEC 84 | 2305 | 1675.4 | 7.9 | 2 | 1362-82 | 1 | P | C2 | 09 JAN 85 | |
| 31 DEC 84 | 2305 | 1668.4 | .4 | 2 | 760-83 | 1 | P | C2 | 09 JAN 85 | |
| 07 JAN 85 | 2308 | 1670.8 | -.6 | 2 | 1682-82 | 1 | P | C2 | 16 JAN 85 | |
| 15 JAN 85 | 2315 | 1702.5 | -2.6 | 2 | 76-83 | 1 | P | C2 | 24 JAN 85 | |
| 21 JAN 85 | 2310 | 1679.4 | -2.7 | 2 | 670-82 | 1 | P | C2 | 24 JAN 85 | |
| 04 FEB 85 | 2311 | 1671.6 | .9 | 2 | 1660-82 | 1 | P | C2 | 13 FEB 85 | |

Kumukahi, Hawaii (KUM)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 FEB 85 | 2312 | 1647.4 | -1.6 | 2 | 1366-82 | 1 | P | C2 | 27 FEB 85 | |
| 25 FEB 85 | 2315 | 1669.5 | 1.3 | 2 | 100-83 | 1 | P | C2 | 26 MAR 85 | |
| 04 MAR 85 | 2320 | 1681.7 | -8.3 | 2 | 742-83 | 1 | P | C2 | 26 MAR 85 | |
| 18 MAR 85 | 2315 | 1681.6 | .2 | 2 | 1338-82 | 1 | P | C2 | 26 MAR 85 | |
| 25 MAR 85 | 2358 | 1677.7 | 3.2 | 2 | 18-83 | 1 | P | C2 | 11 APR 85 | |
| 01 APR 85 | 2310 | 1666.9 | 4.4 | 2 | 778-83 | 1 | P | C2 | 11 APR 85 | |
| 08 APR 85 | 2315 | 1680.0 | 1.8 | 2 | 1386-82 | 1 | P | C2 | 12 APR 85 | |
| 15 APR 85 | 2310 | 1654.4 | 5.0 | 2 | 622-83 | 1 | P | C2 | 24 APR 85 | |
| 15 APR 85 | 2320 | 1650.4 | 3.7 | 2 | 2008-85 | 7 | P | C2 | 24 APR 85 | |
| 16 APR 85 | 2304 | 1687.6 | | 1 | 413-85 | 1 | P | C2 | 24 APR 85 | |
| 16 APR 85 | 2304 | 1685.9 | | 1 | 414-85 | 1 | P | C2 | 01 MAY 85 | |
| 16 APR 85 | 2314 | 1685.6 | | 1 | 416-85 | 1 | P | C2 | 01 MAY 85 | |
| 16 APR 85 | 2323 | 1684.0 | | 1 | 417-85 | 1 | P | C2 | 01 MAY 85 | |
| 16 APR 85 | 2323 | 1686.2 | | 1 | 418-85 | 1 | P | C2 | 01 MAY 85 | |
| 16 APR 85 | 2332 | 1687.5 | | 1 | 419-85 | 1 | P | C2 | 01 MAY 85 | |
| 16 APR 85 | 2332 | 1680.0 | | 1 | 420-85 | 1 | P | C2 | 01 MAY 85 | |
| 16 APR 85 | 2341 | 1693.1 | | 1 | 421-85 | 1 | P | C2 | 01 MAY 85 | |
| 16 APR 85 | 2350 | 1683.4 | | 1 | 423-85 | 1 | P | C2 | 01 MAY 85 | |
| 29 APR 85 | 2314 | 1680.7 | -.7 | 2 | 1258-82 | 1 | P | C2 | 07 MAY 85 | |
| 13 MAY 85 | 2302 | 1676.4 | 2.0 | 2 | 1604-82 | 1 | P | C2 | 16 MAY 85 | |
| 20 MAY 85 | 2305 | 1708.6 | -.8 | 2 | 878-82 | 1 | P | C2 | 11 JUN 85 | |
| 03 JUN 85 | 2316 | 1675.4 | 1.9 | 2 | 942-83 | 1 | P | C2 | 13 JUN 85 | |
| 10 JUN 85 | 2314 | 1658.3 | .2 | 2 | 222-83 | 1 | P | C2 | 13 JUN 85 | |
| 17 JUN 85 | 2310 | 1642.8 | 1.8 | 2 | 164-83 | 1 | P | C2 | 28 JUN 85 | |
| 08 JUL 85 | 2307 | 1643.2 | 3.9 | 2 | 58-83 | 1 | P | C2 | 24 JUL 85 | |
| 22 JUL 85 | 2342 | 1658.2 | 2.0 | 2 | 916-83 | 1 | P | C2 | 24 JUL 85 | |
| 05 AUG 85 | 2300 | 1648.2 | 1.4 | 2 | 910-83 | 1 | P | C3 | 12 AUG 85 | |
| 19 AUG 85 | 2318 | 1633.2 | -1.5 | 2 | 949-83 | 1 | P | C3 | 11 SEP 85 | |
| 26 AUG 85 | 2317 | 1639.8 | 0.0 | 2 | 176-83 | 1 | P | C3 | 12 SEP 85 | |
| 16 SEP 85 | 2300 | 1676.7 | .1 | 2 | 538-83 | 1 | P | C3 | 02 OCT 85 | |
| 23 SEP 85 | 2312 | 1687.7 | -.8 | 2 | 968-83 | 1 | P | C3 | 09 OCT 85 | |
| 30 SEP 85 | 2312 | 1678.4 | -.4 | 2 | 760-83 | 1 | P | C3 | 09 OCT 85 | |
| 07 OCT 85 | 2313 | 1669.7 | .3 | 2 | 2018-85 | 7 | P | C3 | 24 OCT 85 | |
| 15 OCT 85 | 2319 | 1682.2 | -.3 | 2 | 74-83 | 1 | P | C3 | 24 OCT 85 | |
| 21 OCT 85 | 2312 | 1674.7 | 2.4 | 2 | 1452-82 | 1 | P | C3 | 05 NOV 85 | |
| 28 OCT 85 | 2311 | 1703.5 | 2.3 | 2 | 128-83 | 1 | P | C3 | 05 NOV 85 | |
| 04 NOV 85 | 2312 | 1676.8 | 2.1 | 2 | 714-85 | 1 | P | C3 | 19 NOV 85 | |
| 12 NOV 85 | 2312 | 1674.0 | -.1 | 2 | 716-85 | 1 | P | C3 | 19 NOV 85 | |
| 26 NOV 85 | 0000 | 1683.6 | 5.3 | 2 | 1222-82 | 1 | P | C3 | 15 DEC 85 | |
| 02 DEC 85 | 2321 | 1705.0 | -2.8 | 2 | 2892-85 | 7 | P | C3 | 14 DEC 85 | |
| 02 DEC 85 | 2322 | 1700.7 | -1.2 | 2 | 2091-85 | 1 | P | C3 | 14 DEC 85 | |
| 09 DEC 85 | 2314 | 1672.9 | -.3 | 2 | 2088-85 | 7 | P | C3 | 17 DEC 85 | |
| 23 DEC 85 | 2322 | 1659.3 | 5.9 | 2 | 2061-85 | 1 | P | C3 | 08 JAN 86 | |
| 23 DEC 85 | 2322 | 1659.3 | .1 | 2 | 2862-85 | 7 | P | C3 | 08 JAN 86 | |

Mould Bay, Canada (MBC)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 05 APR 83 | 0120 | 1695.5 | -3.0 | 2 | 750-82 | 1 | P | C1 | 19 MAY 83 | |
| 11 APR 83 | 0029 | 1694.0 | -6.0 | 2 | 1746-82 | 1 | P | C1 | 19 MAY 83 | |
| 26 APR 83 | 1231 | 1688.0 | 0.0 | 2 | 212-83 | 1 | P | C1 | 20 MAY 83 | |
| 02 MAY 83 | 2125 | 1689.0 | -10.0 | 2 | 208-83 | 1 | P | C1 | 09 JUN 83 | |
| 10 MAY 83 | 0213 | 1672.0 | 12.0 | 2 | 162-83 | 1 | P | C1 | 08 JUN 83 | |
| 17 MAY 83 | 0045 | 1663.0 | 10.0 | 2 | 158-83 | 1 | P | C1 | 08 JUN 83 | |
| 23 MAY 83 | 1745 | 1661.5 | -3.0 | 2 | 152-83 | 1 | P | C1 | 08 JUN 83 | |
| 02 JUN 83 | 0330 | 1663.5 | 19.0 | 2 | 202-83 | 1 | P | C1 | 13 JUL 83 | |
| 06 JUN 83 | 0300 | 1653.0 | 2.0 | 2 | 200-83 | 1 | P | C1 | 13 JUL 83 | |
| 15 JUN 83 | 0230 | 1669.2 | -2.0 | 4 | 268-82 | 1 | P | C1 | 13 JUL 83 | |
| 21 JUN 83 | 0240 | 1665.0 | 1.0 | 4 | 830-82 | 1 | P | C1 | 13 JUL 83 | |
| 07 JUL 83 | 2100 | 1665.0 | -2.0 | 2 | 288-83 | 1 | P | C1 | 31 AUG 83 | |
| 15 JUL 83 | 0045 | 1656.0 | 10.0 | 2 | 8-83 | 1 | P | C1 | 31 AUG 83 | |
| 18 JUL 83 | 2300 | 1672.0 | 2.0 | 2 | 34-82 | 1 | P | C1 | 31 AUG 83 | |
| 02 AUG 83 | 0200 | 1655.0 | -2.0 | 2 | 364-82 | 1 | P | C1 | 31 AUG 83 | |
| 08 AUG 83 | 2300 | 1679.5 | 5.0 | 2 | 338-82 | 1 | P | C2 | 07 OCT 83 | |
| 15 AUG 83 | 2030 | 1670.5 | -5.0 | 2 | 82-83 | 1 | P | C2 | 07 OCT 83 | |
| 19 AUG 83 | 0200 | 1666.7 | 0.0 | 3 | 1704-82 | 1 | P | C2 | 07 OCT 83 | |
| 31 AUG 83 | 0730 | 1693.5 | 1.0 | 2 | 872-81 | 1 | P | C2 | 07 OCT 83 | |
| 05 SEP 83 | 2215 | 1695.0 | 4.0 | 2 | 24-83 | 1 | P | C1 | 13 NOV 83 | |
| 13 SEP 83 | 0230 | 1697.5 | -7.0 | 2 | 1524-82 | 1 | P | C1 | 13 NOV 83 | |
| 20 SEP 83 | 0300 | 1709.5 | 3.0 | 2 | 982-81 | 1 | P | C1 | 13 NOV 83 | |
| 03 OCT 83 | 2220 | 1707.0 | 0.0 | 2 | 776-82 | 1 | P | C1 | 13 NOV 83 | |
| 11 OCT 83 | 0300 | 1696.5 | -5.0 | 2 | 742-83 | 1 | P | C1 | 13 NOV 83 | |
| 19 OCT 83 | 2200 | 1700.0 | -4.0 | 2 | 746-82 | 1 | P | C1 | 13 NOV 83 | |
| 24 OCT 83 | 2002 | 1703.0 | 4.0 | 2 | 798-82 | 1 | P | C2 | 04 JAN 84 | |
| 04 NOV 83 | 9999 | 1717.5 | -3.0 | 2 | 802-83 | 1 | P | C2 | 04 JAN 84 | |
| 10 NOV 83 | 2055 | 1709.5 | 5.0 | 2 | 1690-82 | 1 | P | C2 | 24 DEC 83 | |
| 18 NOV 83 | 0340 | 1712.0 | 2.0 | 2 | 790-83 | 1 | P | C2 | 24 DEC 83 | |
| 21 NOV 83 | 1725 | 1713.0 | 4.0 | 2 | 730-83 | 1 | P | C2 | 24 DEC 83 | |
| 02 DEC 83 | 1950 | 1712.0 | | 1 | 732-83 | 1 | P | C2 | 27 DEC 83 | |
| 08 DEC 83 | 2330 | 1714.5 | 1.0 | 2 | 738-83 | 1 | P | C2 | 13 JAN 84 | |
| 30 DEC 83 | 0700 | 1748.9 | -4.0 | 2 | 610-83 | 1 | P | C2 | 02 FEB 84 | |
| 05 JAN 84 | 0355 | 1730.0 | 2.0 | 2 | 1296-82 | 1 | P | C2 | 02 FEB 84 | |
| 13 JAN 84 | 0220 | 1724.0 | 4.0 | 2 | 622-83 | 1 | P | C2 | 05 MAR 84 | |
| 31 JAN 84 | 2300 | 1742.0 | 2.0 | 2 | 164-83 | 1 | P | C2 | 05 MAR 84 | |
| 03 FEB 84 | 1500 | 1750.9 | 2.0 | 2 | 946-83 | 1 | P | C2 | 08 MAR 84 | |
| 13 FEB 84 | 2130 | 1742.5 | -1.0 | 2 | 34-83 | 1 | P | C2 | 14 APR 84 | |
| 20 FEB 84 | 2220 | 1730.0 | 4.0 | 2 | 1292-82 | 1 | P | C2 | 03 APR 84 | |
| 27 FEB 84 | 0145 | 1738.6 | 8.0 | 3 | 286-83 | 1 | P | C2 | 02 APR 84 | |
| 06 MAR 84 | 0200 | 1723.5 | 1.0 | 2 | 184-82 | 1 | P | C2 | 03 APR 84 | |
| 13 MAR 84 | 0145 | 1730.0 | 4.0 | 2 | 798-82 | 1 | P | C2 | 02 APR 84 | |
| 20 MAR 84 | 0120 | 1732.5 | -3.0 | 2 | 24-83 | 1 | P | C2 | 17 APR 84 | |
| 26 MAR 84 | 2255 | 1734.5 | 3.0 | 2 | 922-83 | 1 | P | C2 | 17 APR 84 | |
| 06 APR 84 | 0155 | 1713.0 | 4.0 | 2 | 748-83 | 1 | P | C2 | 15 MAY 84 | |
| 12 APR 84 | 1715 | 1710.5 | 1.0 | 2 | 628-81 | 1 | P | C2 | 15 MAY 84 | |
| 20 APR 84 | 0045 | 1714.5 | -1.0 | 2 | 685-81 | 1 | P | C2 | 15 MAY 84 | |
| 30 APR 84 | 2320 | 1709.5 | -1.0 | 2 | 1814-82 | 1 | P | C2 | 10 JUL 84 | |
| 08 MAY 84 | 0220 | 1706.5 | 3.0 | 2 | 660-81 | 1 | P | C2 | 11 JUL 84 | |
| 22 MAY 84 | 0040 | 1709.0 | 2.0 | 2 | 1624-82 | 1 | P | C2 | 11 JUL 84 | |
| 28 MAY 84 | 2355 | 1703.5 | 3.0 | 2 | 1626-82 | 1 | P | C2 | 11 JUL 84 | |
| 05 JUN 84 | 2315 | 1690.0 | 2.0 | 2 | 1632-82 | 1 | P | C2 | 11 JUL 84 | |
| 12 JUN 84 | 0328 | 1690.5 | 5.0 | 2 | 90-83 | 1 | P | C2 | 11 JUL 84 | |
| 19 JUN 84 | 0533 | 1692.5 | -3.0 | 2 | 1360-82 | 1 | P | C2 | 05 SEP 84 | |
| 26 JUN 84 | 0045 | 1699.0 | -2.0 | 2 | 1830-82 | 1 | P | C2 | 10 SEP 84 | |
| 03 JUL 84 | 0107 | 1689.5 | -1.0 | 2 | 746-83 | 1 | P | C2 | 10 SEP 84 | |
| 13 JUL 84 | 2340 | 1689.5 | -5.0 | 2 | 920-82 | 1 | P | C2 | 05 SEP 84 | |
| 20 JUL 84 | 0025 | 1687.5 | 1.0 | 2 | 668-81 | 1 | P | C2 | 10 SEP 84 | |
| 24 JUL 84 | 0425 | 1689.0 | 0.0 | 2 | 1092-82 | 1 | P | C2 | 07 SEP 84 | |
| 27 JUL 84 | 1355 | 1682.0 | 0.0 | 2 | 1650-82 | 1 | P | C2 | 05 SEP 84 | |
| 06 AUG 84 | 0100 | 1729.0 | | 1 | 1818-82 | 1 | P | C2 | 11 SEP 84 | + |
| 15 AUG 84 | 0108 | 1693.0 | 2.0 | 2 | 1240-82 | 1 | P | C2 | 11 SEP 84 | |
| 20 AUG 84 | 2030 | 1687.5 | -1.0 | 2 | 1790-82 | 1 | P | C2 | 11 SEP 84 | |
| 28 AUG 84 | 1430 | 1690.5 | .4 | 2 | 58-83 | 1 | P | C2 | 16 OCT 84 | |

Mould Bay, Canada (MBC)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 03 SEP 84 | 2300 | 1705.0 | -.1 | 2 | 1552-82 | 1 | P | C2 | 16 OCT 84 | |
| 11 SEP 84 | 0120 | 1711.7 | 10.1 | 3 | 260-82 | 1 | P | C2 | 16 OCT 84 | |
| 17 SEP 84 | 1915 | 1712.3 | -.2 | 2 | 18-83 | 1 | P | C2 | 07 NOV 84 | |
| 25 SEP 84 | 0520 | 1714.4 | -1.9 | 2 | 778-83 | 1 | P | C2 | 07 NOV 84 | |
| 28 SEP 84 | 2015 | 1712.9 | -4.1 | 2 | 1538-82 | 1 | P | C2 | 07 NOV 84 | |
| 04 OCT 84 | 0045 | 1711.9 | 1.5 | 2 | 802-83 | 1 | P | C2 | 07 NOV 84 | |
| 12 OCT 84 | 0145 | 1707.6 | -.3 | 2 | 916-83 | 1 | P | C2 | 27 NOV 84 | |
| 22 OCT 84 | 0050 | 1722.9 | .4 | 2 | 136-83 | 1 | P | C2 | 27 NOV 84 | |
| 05 NOV 84 | 1515 | 1720.9 | -4.3 | 2 | 1292-82 | 1 | P | C2 | 04 DEC 84 | |
| 13 NOV 84 | 0100 | 1720.8 | 3.2 | 2 | 34-83 | 1 | P | C2 | 04 DEC 84 | |
| 21 NOV 84 | 0215 | 1719.9 | 1.9 | 2 | 936-83 | 1 | P | C2 | 05 FEB 85 | |
| 26 NOV 84 | 1415 | 1712.3 | -2.1 | 2 | 1168-82 | 1 | P | C2 | 05 FEB 85 | |
| 07 DEC 84 | 0210 | 1731.0 | -1.1 | 2 | 1670-82 | 1 | P | C2 | 05 FEB 85 | |
| 13 DEC 84 | 1255 | 1728.1 | | 1 | 216-83 | 1 | P | C2 | 05 FEB 85 | |
| 20 DEC 84 | 1230 | 1782.7 | 1.6 | 2 | 234-83 | 1 | P | C2 | 05 FEB 85 | + |
| 03 JAN 85 | 1705 | 1752.6 | -.3 | 2 | 882-82 | 1 | P | C2 | 05 FEB 85 | |
| 10 JAN 85 | 1105 | 1839.5 | 2.5 | 2 | 1006-82 | 1 | P | C2 | 20 FEB 85 | + |
| 17 JAN 85 | 1500 | 1748.2 | -1.1 | 2 | 632-82 | 1 | P | C2 | 20 FEB 85 | |
| 21 JAN 85 | 1105 | 1744.4 | -.5 | 2 | 276-82 | 1 | P | C2 | 20 FEB 85 | |
| 28 JAN 85 | 1600 | 1725.7 | -.8 | 2 | 1430-82 | 1 | P | C2 | 28 MAR 85 | |
| 11 FEB 85 | 1630 | 1731.2 | .6 | 2 | 176-83 | 1 | P | C2 | 12 APR 85 | |
| 18 FEB 85 | 1255 | 1734.8 | -.3 | 2 | 786-83 | 1 | P | C2 | 28 MAR 85 | |
| 25 FEB 85 | 1855 | 1731.2 | 3.3 | 2 | 364-82 | 1 | P | C2 | 28 MAR 85 | |
| 07 MAR 85 | 0100 | 1745.3 | 1.2 | 2 | 1586-82 | 1 | P | C2 | 11 APR 85 | |
| 14 MAR 85 | 0100 | 1734.4 | -.4 | 2 | 840-83 | 1 | P | C2 | 12 APR 85 | |
| 18 MAR 85 | 1313 | 1723.3 | .8 | 2 | 936-82 | 1 | P | C2 | 17 MAY 85 | |
| 26 MAR 85 | 1615 | 1762.2 | 1.1 | 2 | 708-83 | 1 | P | C2 | 16 MAY 85 | |
| 29 MAR 85 | 1430 | 1728.1 | -2.5 | 2 | 812-82 | 1 | P | C2 | 17 MAY 85 | |
| 01 APR 85 | 1245 | 1737.8 | -3.0 | 2 | 1324-82 | 1 | P | C2 | 17 MAY 85 | |
| 08 APR 85 | 1350 | 1746.2 | 3.1 | 2 | 1256-82 | 1 | P | C2 | 16 MAY 85 | |
| 15 APR 85 | 1400 | 1737.4 | -1.2 | 2 | 1042-82 | 1 | P | C2 | 16 MAY 85 | |
| 22 APR 85 | 0110 | 1732.8 | 2.0 | 2 | 196-82 | 1 | P | C2 | 18 JUL 85 | |
| 29 APR 85 | 0114 | 1743.6 | 3.5 | 2 | 1814-82 | 1 | P | C2 | 18 JUL 85 | |
| 06 MAY 85 | 1530 | 1739.9 | -.9 | 2 | 28-83 | 1 | P | C2 | 18 JUL 85 | |
| 15 MAY 85 | 1430 | 1733.6 | -.3 | 2 | 734-83 | 1 | P | C2 | 18 JUL 85 | |
| 20 MAY 85 | 1238 | 1723.9 | 1.2 | 2 | 1216-82 | 1 | P | C2 | 19 JUL 85 | |
| 28 MAY 85 | 1200 | 1721.6 | 1.0 | 2 | 1048-82 | 1 | P | C2 | 19 JUL 85 | |
| 05 JUN 85 | 0924 | 1700.8 | 4.8 | 2 | 74-83 | 1 | P | C2 | 19 JUL 85 | |
| 10 JUN 85 | 1450 | 1712.6 | -1.9 | 2 | 215-83 | 1 | P | C2 | 31 JUL 85 | |
| 14 JUN 85 | 2300 | 1704.9 | -.7 | 2 | 524-82 | 1 | P | C2 | 31 JUL 85 | |
| 27 JUN 85 | 1800 | 1699.5 | 1.4 | 2 | 1102-82 | 1 | P | C2 | 31 JUL 85 | |
| 04 JUL 85 | 1600 | 1703.5 | .1 | 2 | 1456-82 | 1 | P | C3 | 12 SEP 85 | |
| 11 JUL 85 | 2230 | 1700.0 | 1.5 | 2 | 720-83 | 1 | P | C3 | 12 SEP 85 | |
| 18 JUL 85 | 1000 | 1694.7 | -1.2 | 2 | 1078-82 | 1 | P | C3 | 23 OCT 85 | |
| 23 JUL 85 | 2300 | 1695.9 | .7 | 2 | 1082-82 | 1 | P | C3 | 12 SEP 85 | |
| 26 JUL 85 | 0020 | 1698.1 | .8 | 2 | 248-83 | 1 | P | C3 | 12 SEP 85 | |
| 01 AUG 85 | 2000 | 1699.0 | 1.8 | 2 | 826-81 | 1 | P | C3 | 05 NOV 85 | |
| 08 AUG 85 | 1345 | 1705.3 | 1.1 | 2 | 884-82 | 1 | P | C3 | 23 OCT 85 | |
| 15 AUG 85 | 1915 | 1706.9 | .7 | 2 | 390-82 | 1 | P | C3 | 23 OCT 85 | |
| 22 AUG 85 | 2253 | 1711.4 | .7 | 2 | 954-83 | 1 | P | C3 | 05 NOV 85 | |
| 29 AUG 85 | 2330 | 1699.2 | -.6 | 2 | 872-83 | 1 | P | C3 | 05 NOV 85 | |
| 05 SEP 85 | 2300 | 1710.8 | 4.8 | 2 | 823-83 | 1 | P | C3 | 05 NOV 85 | |
| 05 SEP 85 | 2300 | 1719.9 | | 1 | 824-83 | 1 | P | C3 | 04 NOV 85 | |
| 13 SEP 85 | 1950 | 1713.8 | 1.8 | 2 | 1256-82 | 1 | P | C3 | 04 NOV 85 | |
| 20 SEP 85 | 0000 | 1724.2 | 2.5 | 2 | 1680-82 | 1 | P | C3 | 27 NOV 85 | |
| 27 SEP 85 | 0045 | 1739.1 | .7 | 2 | 756-83 | 1 | P | C3 | 05 NOV 85 | |
| 05 OCT 85 | 0000 | 1752.3 | -.4 | 2 | 222-83 | 1 | P | C3 | 27 NOV 85 | |
| 11 OCT 85 | 1145 | 1757.2 | .2 | 2 | 348-83 | 1 | P | C3 | 27 NOV 85 | |
| 18 OCT 85 | 0425 | 1750.6 | -2.0 | 2 | 822-83 | 1 | P | C3 | 27 NOV 85 | |
| 25 OCT 85 | 1800 | 1739.4 | -4.1 | 2 | 804-82 | 1 | P | C3 | 27 NOV 85 | |
| 28 OCT 85 | 2300 | 1743.3 | .3 | 2 | 676-83 | 1 | P | C3 | 27 NOV 85 | |
| 04 NOV 85 | 2200 | 1743.4 | -1.0 | 2 | 1372-82 | 1 | P | C4 | 31 MAR 86 | |
| 12 NOV 85 | 1130 | 1754.9 | | 1 | 326-83 | 1 | P | C4 | 31 MAR 86 | |
| 18 NOV 85 | 1147 | 1755.5 | -3.0 | 2 | 798-83 | 1 | P | C4 | 27 FEB 86 | |
| 27 NOV 85 | 0000 | 1763.0 | -7.5 | 2 | 858-83 | 1 | P | C4 | 01 APR 86 | |

Mould Bay, Canada (MBC)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 29 NOV 85 | 0100 | 1750.5 | 6.8 | 2 | 1586-82 | 1 | P | C4 | 11 FEB 86 | |
| 10 DEC 85 | 0120 | 1735.9 | .7 | 2 | 1564-82 | 1 | P | C4 | 11 FEB 86 | |
| 16 DEC 85 | 2216 | 1736.5 | 1.0 | 2 | 542-85 | 1 | P | C4 | 11 FEB 86 | |
| 26 DEC 85 | 1401 | 1765.7 | 2.3 | 2 | 658-83 | 1 | P | C4 | 03 FEB 86 | |
| 30 DEC 85 | 2000 | 1752.7 | -2.1 | 2 | 806-83 | 1 | P | C4 | 03 FEB 86 | |

McMurdo, Antarctica (MCM)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 04 DEC 85 | 0430 | 1599.3 | 4.5 | 2 | 424-85 | 1 | P | C4 | 27 FEB 86 | |

Sand Island, Midway (MID)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 03 MAY 85 | 0441 | 1657.5 | 1.6 | 2 | 910-83 | 1 | P | C2 | 29 MAY 85 | |
| 09 MAY 85 | 0127 | 1667.8 | .1 | 2 | 734-81 | 1 | P | C2 | 29 MAY 85 | |
| 13 MAY 85 | 0547 | 1701.0 | .6 | 2 | 1076-82 | 1 | P | C2 | 11 JUN 85 | |
| 18 MAY 85 | 0352 | 1708.3 | 2.2 | 2 | 244-83 | 1 | P | C2 | 13 JUN 85 | |
| 22 MAY 85 | 0528 | 1681.5 | 1.0 | 2 | 1460-82 | 1 | P | C2 | 11 JUN 85 | |
| 29 MAY 85 | 0528 | 1655.8 | 1.4 | 2 | 489-82 | 1 | P | C2 | 13 JUN 85 | |
| 24 AUG 85 | 0200 | 1652.4 | 2.5 | 2 | 1602-82 | 1 | P | C3 | 12 SEP 85 | |
| 28 AUG 85 | 0300 | 1650.5 | -.4 | 2 | 388-82 | 1 | P | C3 | 12 SEP 85 | |
| 31 AUG 85 | 0300 | 1645.1 | -3.1 | 2 | 226-83 | 1 | P | C3 | 14 SEP 85 | |
| 04 SEP 85 | 0400 | 1652.4 | -.1 | 2 | 896-83 | 1 | P | C3 | 14 SEP 85 | |
| 07 SEP 85 | 0245 | 1677.8 | 1.9 | 2 | 624-82 | 1 | P | C3 | 23 SEP 85 | |
| 11 SEP 85 | 0345 | 1659.2 | .1 | 2 | 686-83 | 1 | P | C3 | 24 SEP 85 | |
| 14 SEP 85 | 0310 | 1661.0 | -.4 | 2 | 696-83 | 1 | P | C3 | 02 OCT 85 | |
| 18 SEP 85 | 0300 | 1677.9 | -1.9 | 2 | 1577-82 | 1 | P | C3 | 02 OCT 85 | |
| 21 SEP 85 | 0325 | 1647.9 | 1.7 | 2 | 2-83 | 1 | P | C3 | 09 OCT 85 | |
| 25 SEP 85 | 0400 | 1709.5 | -.1 | 2 | 1320-82 | 1 | P | C3 | 09 OCT 85 | |
| 28 SEP 85 | 0300 | 1700.9 | -1.7 | 2 | 1564-82 | 1 | P | C3 | 09 OCT 85 | |
| 02 OCT 85 | 0500 | 1680.4 | -1.2 | 2 | 210-83 | 1 | P | C3 | 09 OCT 85 | |
| 05 OCT 85 | 0300 | 1693.2 | -1.4 | 2 | 330-83 | 1 | P | C3 | 22 OCT 85 | |
| 09 OCT 85 | 0300 | 1707.9 | | 1 | 443-83 | 1 | P | C3 | 22 OCT 85 | |
| 12 OCT 85 | 0100 | 1679.6 | .8 | 2 | 626-83 | 1 | P | C3 | 29 OCT 85 | |
| 16 OCT 85 | 0300 | 1694.6 | -.5 | 2 | 680-83 | 1 | P | C3 | 28 OCT 85 | |
| 19 OCT 85 | 0200 | 1705.5 | .6 | 2 | 1602-82 | 1 | P | C3 | 14 NOV 85 | |
| 23 OCT 85 | 0200 | 1692.6 | .9 | 2 | 916-83 | 1 | P | C3 | 05 NOV 85 | |
| 26 OCT 85 | 2010 | 1688.5 | 4.5 | 2 | 710-85 | 1 | P | C3 | 19 NOV 85 | |
| 30 OCT 85 | 0230 | 1689.4 | -1.0 | 2 | 712-85 | 1 | P | C3 | 13 NOV 85 | |
| 02 NOV 85 | 0200 | 1717.3 | -.5 | 2 | 542-82 | 1 | P | C3 | 19 NOV 85 | |
| 06 NOV 85 | 0300 | 1682.9 | 3.8 | 2 | 1328-82 | 1 | P | C3 | 20 NOV 85 | |
| 09 NOV 85 | 0200 | 1718.9 | | 1 | 2-83 | 1 | P | C3 | 27 NOV 85 | |
| 13 NOV 85 | 0200 | 1691.2 | 2.5 | 2 | 548-85 | 1 | P | C3 | 27 NOV 85 | |
| 16 NOV 85 | 0300 | 1692.9 | 1.7 | 2 | 352-83 | 1 | P | C3 | 17 DEC 85 | |
| 20 NOV 85 | 0300 | 1714.1 | 3.4 | 2 | 174-83 | 1 | P | C3 | 15 DEC 85 | |
| 27 NOV 85 | 0200 | 1697.8 | -1.9 | 2 | 1224-82 | 1 | P | C3 | 13 DEC 85 | |
| 10 DEC 85 | 9999 | 1692.6 | -.7 | 2 | 1204-82 | 1 | P | C3 | 04 JAN 86 | |
| 14 DEC 85 | 0200 | 1671.5 | -.9 | 2 | 1578-82 | 1 | P | C3 | 03 JAN 86 | |
| 18 DEC 85 | 0300 | 1669.3 | 1.5 | 2 | 750-82 | 1 | P | C3 | 03 JAN 86 | |
| 24 DEC 85 | 9999 | 1719.3 | -1.2 | 2 | 1602-82 | 1 | P | C3 | 04 JAN 86 | |
| 27 DEC 85 | 9999 | 1706.3 | 1.0 | 2 | 1292-82 | 1 | P | C4 | 05 FEB 86 | |

Mauna Loa, Hawaii (MLO)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 06 MAY 83 | 2008 | 1636.5 | 5.0 | 2 | 1018-82 | 1 | P | C1 | 16 MAY 83 | |
| 13 MAY 83 | 1945 | 1625.0 | 0.0 | 2 | 280-83 | 1 | P | C1 | 16 MAY 83 | |
| 20 MAY 83 | 2001 | 1609.5 | 3.0 | 2 | 920-82 | 1 | P | C1 | 26 MAY 83 | |
| 27 MAY 83 | 1943 | 1590.0 | | 1 | 282-83 | 1 | P | C1 | 06 JUN 83 | |
| 03 JUN 83 | 1942 | 1635.5 | 9.0 | 2 | 978-81 | 1 | P | C1 | 12 JUN 83 | |
| 17 JUN 83 | 2335 | 1598.0 | 10.0 | 2 | 832-81 | 1 | P | C1 | 18 JUN 83 | |
| 24 JUN 83 | 2038 | 1611.0 | -6.0 | 2 | 278-83 | 1 | P | C1 | 06 JUL 83 | |
| 01 JUL 83 | 2035 | 1623.0 | -26.0 | 2 | 228-83 | 1 | P | C1 | 06 JUL 83 | |
| 08 JUL 83 | 1937 | 1600.0 | 18.0 | 2 | 152-82 | 1 | P | C1 | 13 JUL 83 | |
| 15 JUL 83 | 2040 | 1635.0 | | 1 | 1404-82 | 1 | P | C1 | 21 JUL 83 | |
| 28 JUL 83 | 2307 | 1614.0 | -22.0 | 2 | 122-83 | 1 | P | C1 | 06 AUG 83 | |
| 05 AUG 83 | 1940 | 1594.5 | 5.0 | 2 | 1478-82 | 1 | P | C1 | 18 AUG 83 | |
| 12 AUG 83 | 2037 | 1602.0 | -8.0 | 2 | 1818-82 | 1 | P | C1 | 19 AUG 83 | |
| 19 AUG 83 | 2003 | 1601.5 | 5.0 | 2 | 708-83 | 1 | P | C1 | 31 AUG 83 | |
| 26 AUG 83 | 2039 | 1620.0 | 4.0 | 2 | 728-82 | 1 | P | C1 | 02 SEP 83 | |
| 02 SEP 83 | 2041 | 1622.5 | -1.0 | 2 | 946-81 | 1 | P | C1 | 14 SEP 83 | |
| 09 SEP 83 | 1940 | 1651.0 | -4.0 | 2 | 766-83 | 1 | P | C1 | 15 SEP 83 | |
| 16 SEP 83 | 1938 | 1621.0 | 2.0 | 2 | 622-83 | 1 | P | C2 | 27 SEP 83 | |
| 23 SEP 83 | 1939 | 1621.0 | -4.0 | 2 | 798-83 | 1 | P | C2 | 28 SEP 83 | |
| 30 SEP 83 | 1938 | 1619.0 | 14.0 | 2 | 1714-82 | 1 | P | C2 | 06 OCT 83 | |
| 07 OCT 83 | 1940 | 1650.5 | 5.0 | 2 | 404-82 | 1 | P | C1 | 18 OCT 83 | |
| 12 OCT 83 | 2240 | 1652.5 | -3.0 | 2 | 632-82 | 1 | P | C1 | 18 OCT 83 | |
| 21 OCT 83 | 2050 | 1644.5 | -3.0 | 2 | 706-83 | 1 | P | C1 | 26 OCT 83 | |
| 28 OCT 83 | 2230 | 1658.0 | 2.0 | 2 | 250-83 | 1 | P | C1 | 13 NOV 83 | |
| 04 NOV 83 | 2140 | 1635.5 | -3.0 | 2 | 944-81 | 1 | P | C1 | 08 NOV 83 | |
| 16 NOV 83 | 2331 | 1636.5 | -3.0 | 2 | 830-82 | 1 | P | C2 | 07 DEC 83 | |
| 17 NOV 83 | 2137 | 1628.5 | -5.0 | 2 | 780-83 | 1 | P | C2 | 08 DEC 83 | |
| 25 NOV 83 | 2120 | 1640.5 | 3.0 | 2 | 1564-82 | 1 | P | C2 | 08 DEC 83 | |
| 02 DEC 83 | 2038 | 1632.0 | 8.0 | 2 | 296-82 | 1 | P | C2 | 08 DEC 83 | |
| 09 DEC 83 | 1952 | 1624.5 | 3.0 | 2 | 188-83 | 1 | P | C2 | 27 DEC 83 | |
| 16 DEC 83 | 2305 | 1638.5 | -1.0 | 2 | 806-83 | 1 | P | C2 | 03 JAN 84 | |
| 23 DEC 83 | 2148 | 1630.5 | -1.0 | 2 | 780-83 | 1 | P | C2 | 27 DEC 83 | |
| 30 DEC 83 | 1938 | 1636.5 | -5.0 | 2 | 256-83 | 1 | P | C2 | 04 JAN 84 | |
| 06 JAN 84 | 1941 | 1659.5 | -9.0 | 2 | 184-82 | 1 | P | C2 | 17 JAN 84 | |
| 13 JAN 84 | 2039 | 1625.0 | 2.0 | 2 | 704-83 | 1 | P | C2 | 18 JAN 84 | |
| 20 JAN 84 | 1942 | 1620.5 | 7.0 | 2 | 706-83 | 1 | P | C2 | 02 FEB 84 | |
| 27 JAN 84 | 2138 | 1650.0 | 0.0 | 2 | 1714-82 | 1 | P | C2 | 03 FEB 84 | |
| 03 FEB 84 | 1942 | 1648.0 | -6.0 | 2 | 264-82 | 1 | P | C2 | 07 FEB 84 | |
| 10 FEB 84 | 1938 | 1640.0 | -2.0 | 2 | 746-83 | 1 | P | C2 | 04 MAR 84 | |
| 17 FEB 84 | 1937 | 1631.0 | -4.0 | 2 | 798-81 | 1 | P | C2 | 05 MAR 84 | |
| 24 FEB 84 | 2038 | 1634.5 | -1.0 | 2 | 122-83 | 1 | P | C2 | 05 MAR 84 | |
| 02 MAR 84 | 2044 | 1635.5 | 3.0 | 2 | 1030-82 | 1 | P | C2 | 08 MAR 84 | |
| 09 MAR 84 | 1943 | 1625.5 | -1.0 | 2 | 1456-82 | 1 | P | C2 | 30 MAR 84 | |
| 23 MAR 84 | 2042 | 1634.5 | 1.0 | 2 | 736-83 | 1 | P | C2 | 31 MAR 84 | |
| 03 APR 84 | 2130 | 1655.5 | 3.0 | 2 | 720-83 | 1 | P | C2 | 13 APR 84 | |
| 06 APR 84 | 2300 | 1647.0 | 0.0 | 2 | 804-82 | 1 | P | C2 | 13 APR 84 | |
| 17 APR 84 | 1721 | 1632.5 | -3.0 | 2 | 100-83 | 1 | P | C2 | 24 APR 84 | |
| 20 APR 84 | 1753 | 1619.0 | -4.0 | 2 | 622-83 | 1 | P | C2 | 24 APR 84 | |
| 25 APR 84 | 1955 | 1647.0 | 0.0 | 2 | 760-83 | 1 | P | C2 | 02 MAY 84 | |
| 26 APR 84 | 0017 | 1643.0 | 2.0 | 2 | 1198-82 | 1 | P | C2 | 01 MAY 84 | |
| 30 APR 84 | 2345 | 1630.0 | 0.0 | 2 | 1646-82 | 1 | P | C2 | 03 MAY 84 | |
| 04 MAY 84 | 2037 | 1640.5 | 1.0 | 2 | 188-83 | 1 | P | C2 | 16 MAY 84 | |
| 09 MAY 84 | 2010 | 1606.0 | 2.0 | 2 | 44-83 | 1 | P | C2 | 16 MAY 84 | |
| 10 MAY 84 | 2055 | 1636.5 | 3.0 | 2 | 672-81 | 1 | P | C2 | 23 MAY 84 | |
| 16 MAY 84 | 1947 | 1640.5 | -5.0 | 2 | 948-83 | 1 | P | C2 | 23 MAY 84 | |
| 18 MAY 84 | 1950 | 1617.5 | -1.0 | 2 | 920-83 | 1 | P | C2 | 31 MAY 84 | |
| 23 MAY 84 | 2000 | 1627.0 | | 1 | 728-83 | 1 | P | C2 | 31 MAY 84 | |
| 11 JUL 84 | 2037 | 1598.0 | | 1 | 1248-82 | 1 | P | C2 | 17 JUL 84 | |
| 26 JUL 84 | 2029 | 1621.5 | 3.0 | 2 | 176-82 | 1 | P | C2 | 01 AUG 84 | |
| 03 AUG 84 | 2000 | 1623.5 | -3.0 | 2 | 1620-82 | 1 | P | C2 | 07 SEP 84 | |
| 10 AUG 84 | 1938 | 1626.0 | 0.0 | 2 | 742-83 | 1 | P | C2 | 14 AUG 84 | |
| 17 AUG 84 | 1940 | 1617.5 | -3.0 | 2 | 826-81 | 1 | P | C2 | 07 SEP 84 | |
| 24 AUG 84 | 2035 | 1620.5 | -3.0 | 2 | 746-82 | 1 | P | C2 | 05 SEP 84 | |
| 31 AUG 84 | 1940 | 1612.0 | | 1 | 1596-82 | 1 | P | C2 | 11 SEP 84 | |

Mauna Loa, Hawaii (MLO)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 07 SEP 84 | 1940 | 1655.5 | -3.0 | 2 | 710-83 | 1 | P | C2 | 10 SEP 84 | |
| 14 SEP 84 | 2043 | 1638.5 | -5.0 | 2 | 1448-82 | 1 | P | C2 | 22 SEP 84 | |
| 21 SEP 84 | 1942 | 1658.0 | | 1 | 1460-82 | 1 | P | C2 | 28 SEP 84 | |
| 28 SEP 84 | 1938 | 1662.6 | -4.0 | 2 | 950-83 | 1 | P | C2 | 18 OCT 84 | |
| 05 OCT 84 | 1942 | 1636.0 | -2.0 | 2 | 1334-82 | 1 | P | C2 | 18 OCT 84 | |
| 12 OCT 84 | 1938 | 1646.8 | -3.3 | 2 | 914-83 | 1 | P | C2 | 30 OCT 84 | |
| 19 OCT 84 | 2038 | 1643.9 | -2.4 | 2 | 162-83 | 1 | P | C2 | 02 NOV 84 | |
| 26 OCT 84 | 2038 | 1663.0 | .2 | 2 | 198-82 | 1 | P | C2 | 31 OCT 84 | |
| 02 NOV 84 | 1940 | 1654.9 | 1.5 | 2 | 1608-82 | 1 | P | C2 | 07 NOV 84 | |
| 09 NOV 84 | 1939 | 1669.5 | -4.0 | 2 | 948-83 | 1 | P | C2 | 15 NOV 84 | |
| 16 NOV 84 | 1940 | 1662.3 | .7 | 2 | 248-83 | 1 | P | C2 | 23 NOV 84 | |
| 07 DEC 84 | 1935 | 1644.6 | -2.6 | 2 | 826-81 | 1 | P | C2 | 11 DEC 84 | |
| 14 DEC 84 | 2138 | 1645.1 | -.3 | 2 | 1128-82 | 1 | P | C2 | 19 DEC 84 | |
| 21 DEC 84 | 2102 | 1664.1 | -.7 | 2 | 186-82 | 1 | P | C2 | 08 JAN 85 | |
| 28 DEC 84 | 2310 | 1652.1 | 2.5 | 2 | 858-83 | 1 | P | C2 | 09 JAN 85 | |
| 09 JAN 85 | 2212 | 1642.1 | -.5 | 2 | 510-82 | 1 | P | C2 | 16 JAN 85 | |
| 18 JAN 85 | 2001 | 1638.7 | 1.3 | 2 | 750-82 | 1 | P | C2 | 24 JAN 85 | |
| 25 JAN 85 | 2235 | 1647.3 | 2.0 | 2 | 490-82 | 1 | P | C2 | 04 FEB 85 | |
| 08 FEB 85 | 1937 | 1638.1 | -1.1 | 2 | 496-82 | 1 | P | C2 | 13 FEB 85 | |
| 15 FEB 85 | 2230 | 1640.9 | -1.2 | 2 | 180-83 | 1 | P | C2 | 20 FEB 85 | |
| 22 FEB 85 | 2040 | 1642.7 | 3.6 | 2 | 1094-82 | 1 | P | C2 | 27 FEB 85 | |
| 27 FEB 85 | 2340 | 1645.1 | -1.6 | 2 | 950-83 | 1 | S | C2 | 25 MAR 85 | |
| 08 MAR 85 | 2037 | 1679.0 | 6.5 | 2 | 50-83 | 1 | S | C2 | 28 MAR 85 | |
| 15 MAR 85 | 1940 | 1664.9 | 3.9 | 2 | 954-83 | 1 | P | C2 | 27 MAR 85 | |
| 22 MAR 85 | 2031 | 1656.4 | | 1 | 1331-82 | 1 | P | C2 | 28 MAR 85 | |
| 22 MAR 85 | 2031 | 1656.3 | -.2 | 2 | 1332-82 | 1 | P | C2 | 27 MAR 85 | |
| 30 MAR 85 | 0144 | 1675.0 | -1.1 | 2 | 1152-82 | 1 | P | C2 | 12 APR 85 | |
| 05 APR 85 | 1940 | 1630.4 | 1.8 | 2 | 1358-82 | 1 | P | C2 | 10 APR 85 | |
| 12 APR 85 | 1937 | 1652.7 | 4.9 | 2 | 1162-82 | 1 | P | C2 | 16 APR 85 | |
| 19 APR 85 | 1940 | 1650.7 | -1.3 | 2 | 830-83 | 1 | P | C2 | 23 APR 85 | |
| 26 APR 85 | 1937 | 1643.4 | 5.7 | 2 | 856-83 | 1 | P | C2 | 01 MAY 85 | |
| 03 MAY 85 | 1938 | 1656.2 | -3.5 | 2 | 138-83 | 1 | P | C2 | 07 MAY 85 | |
| 10 MAY 85 | 1940 | 1666.5 | | 1 | 1552-82 | 1 | P | C2 | 16 MAY 85 | |
| 17 MAY 85 | 2000 | 1662.6 | | 1 | 1260-82 | 1 | P | C2 | 22 MAY 85 | |
| 24 MAY 85 | 2000 | 1619.7 | 2.7 | 2 | 804-83 | 1 | P | C2 | 29 MAY 85 | |
| 07 JUN 85 | 1940 | 1651.1 | | 1 | 1089-82 | 1 | P | C2 | 13 JUN 85 | |
| 14 JUN 85 | 1935 | 1638.5 | .6 | 2 | 1830-82 | 1 | P | C2 | 28 JUN 85 | |
| 21 JUN 85 | 1935 | 1635.8 | 2.2 | 2 | 256-83 | 1 | P | C2 | 28 JUN 85 | |
| 28 JUN 85 | 1930 | 1636.9 | -3.1 | 2 | 652-83 | 1 | P | C2 | 09 JUL 85 | |
| 05 JUL 85 | 2010 | 1640.3 | 1.9 | 2 | 638-83 | 1 | P | C2 | 09 JUL 85 | |
| 12 JUL 85 | 1935 | 1626.2 | -5.5 | 2 | 866-83 | 1 | P | C2 | 16 JUL 85 | |
| 19 JUL 85 | 1937 | 1638.8 | 6.6 | 2 | 854-83 | 1 | P | C2 | 24 JUL 85 | |
| 03 AUG 85 | 0303 | 1628.6 | -4.6 | 2 | 1410-82 | 1 | P | C3 | 12 AUG 85 | |
| 09 AUG 85 | 1925 | 1631.1 | | 1 | 127-83 | 1 | P | C3 | 13 AUG 85 | |
| 16 AUG 85 | 1934 | 1641.5 | -1.0 | 2 | 259-83 | 1 | P | C3 | 11 SEP 85 | |
| 30 AUG 85 | 1938 | 1639.1 | -.8 | 2 | 486-82 | 1 | P | C3 | 11 SEP 85 | |
| 06 SEP 85 | 2320 | 1633.9 | 2.4 | 2 | 744-83 | 1 | P | C3 | 12 SEP 85 | |
| 13 SEP 85 | 1930 | 1624.8 | 2.1 | 2 | 1814-82 | 1 | P | C3 | 24 SEP 85 | |
| 20 SEP 85 | 1937 | 1656.7 | .6 | 2 | 892-83 | 1 | P | C3 | 23 SEP 85 | |
| 27 SEP 85 | 1939 | 1673.1 | 0.0 | 2 | 346-83 | 1 | P | C3 | 02 OCT 85 | |
| 04 OCT 85 | 1937 | 1654.2 | 1.9 | 2 | 548-85 | 1 | P | C3 | 09 OCT 85 | |
| 11 OCT 85 | 2011 | 1674.4 | -.7 | 2 | 2020-85 | 7 | P | C3 | 24 OCT 85 | |
| 18 OCT 85 | 1952 | 1639.1 | 1.1 | 2 | 1162-82 | 1 | P | C3 | 24 OCT 85 | |
| 01 NOV 85 | 1950 | 1676.2 | | 1 | 2069-85 | 1 | P | C3 | 14 NOV 85 | |
| 01 NOV 85 | 1950 | 1679.7 | | 1 | 2070-85 | 7 | P | C3 | 14 NOV 85 | |
| 08 NOV 85 | 2007 | 1667.6 | -.8 | 2 | 718-85 | 1 | P | C3 | 13 NOV 85 | |
| 15 NOV 85 | 2004 | 1643.3 | 8.5 | 3 | 1114-82 | 1 | P | C3 | 20 NOV 85 | |
| 22 NOV 85 | 1939 | 1664.9 | -1.2 | 2 | 832-83 | 1 | P | C3 | 27 NOV 85 | |
| 06 DEC 85 | 1944 | 1656.4 | -2.3 | 2 | 2092-85 | 7 | P | C3 | 17 DEC 85 | |
| 13 DEC 85 | 2037 | 1651.0 | -1.0 | 2 | 2093-85 | 1 | P | C3 | 17 DEC 85 | |
| 20 DEC 85 | 2055 | 1660.6 | 5.2 | 2 | 2094-85 | 7 | P | C3 | 08 JAN 86 | |
| 20 DEC 85 | 2055 | 1659.5 | -2.5 | 2 | 2893-85 | 1 | P | C3 | 03 JAN 86 | |

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 21 JUN 83 | 1630 | 1603.5 | -9.0 | 2 | 300-83 | 1 | P | C1 | 06 JUL 83 | |
| 05 JUL 83 | 1500 | 1659.0 | 2.0 | 2 | 20-83 | 1 | P | C1 | 13 JUL 83 | |
| 12 JUL 83 | 1510 | 1674.0 | -9.0 | 3 | 150-82 | 1 | P | C1 | 20 JUL 83 | |
| 19 JUL 83 | 1520 | 1627.0 | -18.0 | 2 | 30-83 | 1 | P | C1 | 28 JUL 83 | |
| 26 JUL 83 | 1500 | 1622.5 | 11.0 | 2 | 308-82 | 1 | P | C1 | 28 JUL 83 | |
| 02 AUG 83 | 1455 | 1618.0 | | 1 | 610-83 | 1 | P | C1 | 18 AUG 83 | |
| 09 AUG 83 | 1430 | 1620.0 | -2.0 | 2 | F-2 | 1 | N | C1 | 19 AUG 83 | |
| 18 AUG 83 | 1520 | 1640.5 | -7.0 | 2 | 722-83 | 1 | P | C1 | 31 AUG 83 | |
| 23 AUG 83 | 1520 | 1627.5 | -9.0 | 2 | F-2 | 1 | N | C1 | 31 AUG 83 | |
| 31 AUG 83 | 1435 | 1622.5 | 1.0 | 2 | 470-82 | 1 | P | C1 | 14 SEP 83 | |
| 08 SEP 83 | 1545 | 1645.0 | 0.0 | 2 | 1696-82 | 1 | P | C1 | 15 SEP 83 | |
| 13 SEP 83 | 1620 | 1662.7 | 5.0 | 3 | 785-83 | 1 | P | C2 | 28 SEP 83 | |
| 13 FEB 84 | 1810 | 1662.5 | 1.0 | 2 | 718-83 | 1 | N | C2 | 17 FEB 84 | |
| 21 FEB 84 | 1800 | 1650.0 | -2.0 | 2 | 1564-82 | 1 | N | C2 | 05 MAR 84 | |
| 21 FEB 84 | 1800 | 1656.0 | -4.0 | 2 | 1564-82 | 1 | N | C2 | 29 MAR 84 | |
| 28 FEB 84 | 1750 | 1694.0 | -6.0 | 2 | 1646-82 | 1 | N | C2 | 05 MAR 84 | |
| 05 MAR 84 | 1800 | 1703.0 | 0.0 | 2 | 830-82 | 1 | N | C2 | 29 MAR 84 | |
| 12 MAR 84 | 1815 | 1678.5 | -1.0 | 2 | 1668-82 | 1 | N | C2 | 30 MAR 84 | |
| 19 MAR 84 | 1820 | 1685.5 | 1.0 | 2 | 774-83 | 1 | N | C2 | 02 APR 84 | |
| 26 MAR 84 | 1800 | 1685.0 | 4.0 | 2 | 28-83 | 1 | N | C2 | 04 APR 84 | |
| 02 APR 84 | 2000 | 1793.9 | 4.0 | 2 | 214-83 | 1 | N | C2 | 12 APR 84 | + |
| 10 APR 84 | 1800 | 1671.5 | 5.0 | 2 | 944-81 | 1 | N | C2 | 12 APR 84 | |
| 16 APR 84 | 1800 | 1656.5 | 1.0 | 2 | 1448-82 | 1 | N | C2 | 24 APR 84 | |
| 23 APR 84 | 1930 | 1705.5 | -5.0 | 2 | 974-83 | 1 | N | C2 | 03 MAY 84 | |
| 07 MAY 84 | 1930 | 1706.0 | 4.0 | 2 | 984-81 | 1 | N | C2 | 16 MAY 84 | |
| 14 MAY 84 | 1600 | 1654.5 | -7.0 | 2 | 1526-82 | 1 | N | C2 | 23 MAY 84 | |
| 14 MAY 84 | 1600 | 1661.0 | 0.0 | 2 | 1526-82 | 1 | N | C2 | 31 MAY 84 | |
| 21 MAY 84 | 1600 | 1666.0 | -2.0 | 2 | 1486-82 | 1 | N | C2 | 31 MAY 84 | |
| 28 MAY 84 | 1600 | 1672.5 | -3.0 | 2 | 1370-82 | 1 | N | C2 | 01 JUN 84 | |
| 11 JUN 84 | 1530 | 1680.0 | 2.0 | 2 | 960-83 | 1 | N | C2 | 14 JUN 84 | |
| 25 JUN 84 | 1509 | 1658.0 | 0.0 | 2 | 1526-82 | 1 | N | C2 | 02 JUL 84 | |
| 02 JUL 84 | 1610 | 1658.5 | 1.0 | 2 | 825-83 | 1 | N | C2 | 11 JUL 84 | |
| 09 JUL 84 | 1510 | 1636.0 | 0.0 | 2 | 286-83 | 1 | N | C2 | 17 JUL 84 | |
| 16 JUL 84 | 1545 | 1667.5 | -3.0 | 2 | 76-83 | 1 | N | C2 | 01 AUG 84 | |
| 26 JUL 84 | 2130 | 1683.5 | 3.0 | 2 | 1646-82 | 1 | N | C2 | 01 AUG 84 | |
| 30 JUL 84 | 1425 | 1653.0 | 0.0 | 2 | 724-83 | 1 | N | C2 | 13 AUG 84 | |
| 30 JUL 84 | 1425 | 1677.0 | | 1 | ARL-071 | 1 | N | C2 | 14 AUG 84 | |
| 30 JUL 84 | 1425 | 1654.0 | | 1 | ARL-072 | 1 | N | C2 | 14 AUG 84 | |
| 06 AUG 84 | 1515 | 1655.5 | 1.0 | 2 | 764-83 | 1 | N | C2 | 14 AUG 84 | |
| 13 AUG 84 | 1525 | 1664.0 | -4.0 | 2 | 974-83 | 1 | N | C2 | 07 SEP 84 | |
| 20 AUG 84 | 1600 | 1641.5 | -3.0 | 2 | 610-83 | 1 | N | C2 | 07 SEP 84 | |
| 27 AUG 84 | 1600 | 1630.0 | -2.0 | 2 | 1320-82 | 1 | N | C2 | 05 SEP 84 | |
| 04 SEP 84 | 1530 | 1676.0 | 2.0 | 2 | 1670-82 | 1 | N | C2 | 10 SEP 84 | |
| 04 SEP 84 | 1530 | 1687.0 | | 1 | ARL-071 | 1 | N | C2 | 11 SEP 84 | |
| 04 SEP 84 | 1530 | 1681.0 | | 1 | ARL-072 | 1 | N | C2 | 11 SEP 84 | |
| 10 SEP 84 | 1530 | 1660.0 | -2.0 | 2 | 1700-82 | 1 | N | C2 | 22 SEP 84 | |
| 17 SEP 84 | 1530 | 1653.5 | 5.0 | 2 | 1376-82 | 1 | N | C2 | 21 SEP 84 | |
| 24 SEP 84 | 1640 | 1663.0 | 2.6 | 2 | 1010-82 | 1 | N | C2 | 16 OCT 84 | |
| 04 OCT 84 | 1830 | 1700.2 | -2.4 | 2 | 1178-82 | 1 | N | C2 | 18 OCT 84 | |
| 08 OCT 84 | 1545 | 1690.4 | .1 | 2 | 138-83 | 1 | N | C2 | 30 OCT 84 | |
| 16 OCT 84 | 1633 | 1708.2 | 1.2 | 2 | 848-82 | 1 | N | C2 | 30 OCT 84 | |
| 23 OCT 84 | 1700 | 1770.4 | 2.1 | 2 | 486-82 | 1 | N | C2 | 01 NOV 84 | + |
| 29 OCT 84 | 1630 | 1682.2 | -.3 | 2 | 812-82 | 1 | N | C2 | 07 NOV 84 | |
| 12 NOV 84 | 1745 | 1667.5 | -.8 | 2 | 1388-82 | 1 | N | C2 | 27 NOV 84 | |
| 19 NOV 84 | 1715 | 1690.6 | -2.1 | 2 | 174-83 | 1 | N | C2 | 23 NOV 84 | |
| 03 DEC 84 | 1800 | 1693.2 | -.9 | 2 | 804-82 | 1 | N | C2 | 06 DEC 84 | |
| 10 DEC 84 | 1830 | 1672.7 | 1.2 | 2 | 1216-82 | 1 | N | C2 | 18 DEC 84 | |
| 26 DEC 84 | 2205 | 1669.2 | -2.1 | 2 | 744-83 | 1 | N | C2 | 09 JAN 85 | |
| 07 JAN 85 | 2100 | 1675.9 | -3.7 | 2 | 1334-82 | 1 | N | C2 | 16 JAN 85 | |
| 14 JAN 85 | 1545 | 1678.2 | -2.5 | 2 | 908-83 | 1 | N | C2 | 24 JAN 85 | |
| 22 JAN 85 | 1900 | 1728.0 | -1.8 | 2 | 910-83 | 1 | N | C2 | 24 JAN 85 | |
| 29 JAN 85 | 1615 | 1692.2 | 4.3 | 2 | 1142-82 | 1 | N | C2 | 05 FEB 85 | |
| 12 FEB 85 | 2000 | 1666.7 | -2.1 | 2 | 844-83 | 1 | N | C2 | 20 FEB 85 | |
| 19 FEB 85 | 1700 | 1680.7 | -2.6 | 2 | 826-81 | 1 | N | C2 | 27 FEB 85 | |

Niwot Ridge, Colorado (NWR)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 26 FEB 85 | 1900 | 1696.1 | -7.5 | 3 | 882-82 | 1 | N | C2 | 27 FEB 85 | |
| 05 MAR 85 | 1800 | 1690.5 | -2.3 | 2 | 266-83 | 1 | N | C2 | 25 MAR 85 | |
| 12 MAR 85 | 1730 | 1674.6 | -2.9 | 2 | 1076-82 | 1 | N | C2 | 27 MAR 85 | |
| 22 MAR 85 | 1800 | 1722.5 | 1.1 | 2 | 820-83 | 1 | N | C2 | 27 MAR 85 | |
| 26 MAR 85 | 1800 | 1669.5 | 1.2 | 2 | 910-83 | 1 | N | C2 | 28 MAR 85 | |
| 08 APR 85 | 2200 | 1667.7 | -1.4 | 2 | 1497-82 | 1 | N | C2 | 12 APR 85 | |
| 16 APR 85 | 1600 | 1668.4 | 6.6 | 2 | 892-83 | 1 | N | C2 | 24 APR 85 | |
| 23 APR 85 | 1830 | 1697.5 | -.3 | 2 | 2002-85 | 7 | N | C2 | 24 APR 85 | |
| 30 APR 85 | 1800 | 1674.0 | 5.8 | 2 | 390-82 | 1 | N | C2 | 01 MAY 85 | |
| 07 MAY 85 | 1700 | 1710.2 | | 1 | 1678-82 | 1 | N | C2 | 17 MAY 85 | |
| 14 MAY 85 | 1920 | 1712.2 | -1.7 | 2 | 1344-82 | 1 | N | C2 | 16 MAY 85 | |
| 23 MAY 85 | 1600 | 1686.4 | .6 | 2 | 1588-82 | 1 | N | C2 | 29 MAY 85 | |
| 28 MAY 85 | 1630 | 1660.9 | | 1 | 936-83 | 1 | N | C2 | 30 MAY 85 | |
| 02 JUL 85 | 1530 | 1661.1 | -.1 | 2 | 1244-82 | 1 | N | C2 | 09 JUL 85 | |
| 10 JUL 85 | 1530 | 1647.1 | | 1 | 698-83 | 1 | N | C2 | 16 JUL 85 | |
| 16 JUL 85 | 1440 | 1655.9 | .7 | 2 | 1646-82 | 1 | N | C2 | 19 JUL 85 | |
| 23 JUL 85 | 1425 | 1648.0 | -2.3 | 2 | 1297-82 | 1 | N | C2 | 31 JUL 85 | |
| 30 JUL 85 | 1530 | 1657.1 | 3.1 | 2 | 860-81 | 1 | N | C2 | 31 JUL 85 | |
| 06 AUG 85 | 1630 | 1642.7 | 3.0 | 2 | 252-83 | 1 | N | C3 | 12 AUG 85 | |
| 13 AUG 85 | 1550 | 1686.0 | .1 | 2 | 1534-82 | 1 | N | C3 | 15 AUG 85 | |
| 20 AUG 85 | 1515 | 1644.1 | -1.6 | 2 | 2008-85 | 7 | N | C3 | 11 SEP 85 | |
| 27 AUG 85 | 1600 | 1665.3 | .5 | 2 | 272-85 | 1 | N | C3 | 11 SEP 85 | |
| 03 SEP 85 | 1500 | 1646.9 | -1.3 | 2 | 1326-82 | 1 | N | C3 | 11 SEP 85 | |
| 13 SEP 85 | 1520 | 1714.4 | -.7 | 2 | 1546-82 | 1 | N | C3 | 23 SEP 85 | |
| 16 SEP 85 | 2030 | 1644.9 | .9 | 2 | 1088-82 | 1 | N | C3 | 23 SEP 85 | |
| 24 SEP 85 | 1600 | 1707.1 | 1.2 | 2 | 2005-85 | 1 | N | C3 | 02 OCT 85 | |
| 01 OCT 85 | 1630 | 1712.3 | .1 | 2 | 846-81 | 1 | N | C3 | 09 OCT 85 | |
| 08 OCT 85 | 1645 | 1766.4 | -1.0 | 2 | 2042-85 | 7 | N | C3 | 09 OCT 85 | + |
| 15 OCT 85 | 1600 | 1676.4 | 1.0 | 2 | 1120-82 | 1 | N | C3 | 23 OCT 85 | |
| 22 OCT 85 | 1645 | 1707.1 | 1.3 | 2 | 2026-85 | 7 | N | C3 | 28 OCT 85 | |
| 29 OCT 85 | 1700 | 1685.6 | 1.4 | 2 | 880-83 | 1 | N | C3 | 04 NOV 85 | |
| 05 NOV 85 | 1640 | 1697.1 | 1.4 | 2 | 2031-85 | 1 | N | C3 | 14 NOV 85 | |
| 05 NOV 85 | 1640 | 1695.4 | -1.1 | 2 | 2032-85 | 7 | N | C3 | 14 NOV 85 | |
| 12 NOV 85 | 2200 | 1703.5 | -1.3 | 2 | 646-83 | 1 | N | C3 | 14 NOV 85 | |
| 19 NOV 85 | 1700 | 1732.3 | .9 | 2 | 2060-85 | 7 | N | C3 | 20 NOV 85 | |
| 26 NOV 85 | 1700 | 1692.0 | -.8 | 2 | 1452-82 | 1 | N | C3 | 27 NOV 85 | |
| 03 DEC 85 | 1830 | 1703.9 | .4 | 2 | 2052-85 | 7 | N | C3 | 15 DEC 85 | |
| 11 DEC 85 | 1800 | 1720.9 | -5.4 | 2 | 2024-85 | 7 | N | C3 | 17 DEC 85 | |
| 17 DEC 85 | 1830 | 1690.9 | -6.8 | 2 | 2054-85 | 7 | N | C3 | 08 JAN 86 | |
| 24 DEC 85 | 1800 | 1699.0 | 1.2 | 2 | 2046-85 | 7 | N | C3 | 08 JAN 86 | |
| 31 DEC 85 | 1730 | 1687.6 | 2.1 | 2 | 796-83 | 1 | N | C3 | 08 JAN 86 | |

Kaitorete Spit, New Zealand (NZL)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 14 JUN 83 | 2328 | 1582.0 | -6.0 | 2 | 491-82 | 1 | P | C1 | 28 JUN 83 | + |
| 14 JUN 83 | 2328 | 1563.1 | | 1 | 492-82 | 1 | P | C1 | 23 JUN 83 | + |
| 21 JUN 83 | 2320 | 1604.0 | 2.0 | 2 | 115-83 | 1 | P | C1 | 06 JUL 83 | + |
| 21 JUN 83 | 2320 | 1604.0 | 2.0 | 2 | 116-83 | 1 | P | C1 | 06 JUL 83 | + |
| 28 JUN 83 | 2331 | 1567.1 | -4.0 | 2 | 377-82 | 1 | P | C1 | 28 JUL 83 | + |
| 28 JUN 83 | 2331 | 1568.1 | 12.0 | 2 | 378-82 | 1 | P | C1 | 28 JUL 83 | + |
| 12 JUL 83 | 2317 | 1588.2 | -23.0 | 5 | 595-82 | 1 | P | C1 | 20 JUL 83 | + |
| 02 AUG 83 | 2316 | 1589.0 | -10.0 | 2 | 1397-82 | 1 | P | C1 | 19 AUG 83 | + |
| 02 AUG 83 | 2316 | 1600.0 | -12.0 | 2 | 1398-82 | 1 | P | C1 | 19 AUG 83 | + |
| 09 AUG 83 | 2312 | 1578.1 | 0.0 | 2 | 1539-82 | 1 | P | C1 | 19 AUG 83 | + |
| 09 AUG 83 | 2312 | 1574.6 | -1.0 | 2 | 1540-82 | 1 | P | C1 | 19 AUG 83 | + |
| 16 AUG 83 | 2316 | 1617.5 | -3.0 | 2 | 199-83 | 1 | P | C1 | 01 SEP 83 | + |
| 16 AUG 83 | 2316 | 1622.5 | 7.0 | 2 | 200-83 | 1 | P | C1 | 01 SEP 83 | + |
| 23 AUG 83 | 2305 | 1582.5 | 1.0 | 2 | 717-83 | 1 | P | C1 | 15 SEP 83 | |
| 23 AUG 83 | 2305 | 1571.6 | 5.0 | 2 | 718-83 | 1 | P | C2 | 27 SEP 83 | |
| 30 AUG 83 | 2314 | 1647.5 | -5.0 | 2 | 1808-82 | 1 | P | C1 | 14 SEP 83 | + |
| 06 SEP 83 | 2312 | 1593.0 | 0.0 | 2 | 342-82 | 1 | P | C2 | 27 SEP 83 | + |
| 13 SEP 83 | 2310 | 1586.5 | -3.0 | 2 | 712-83 | 1 | P | C2 | 27 SEP 83 | + |
| 20 SEP 83 | 2311 | 1588.0 | 14.0 | 2 | 196-83 | 1 | P | C2 | 28 SEP 83 | + |
| 27 SEP 83 | 1125 | 1638.5 | 5.0 | 2 | 176-83 | 1 | P | C1 | 18 OCT 83 | + |
| 27 SEP 83 | 1109 | 1658.0 | 2.0 | 2 | 962-81 | 1 | P | C1 | 18 OCT 83 | + |
| 04 OCT 83 | 2317 | 1635.5 | -5.0 | 2 | 836-81 | 1 | P | C1 | 26 OCT 83 | + |
| 04 OCT 83 | 2305 | 1621.5 | 1.0 | 2 | 1762-82 | 1 | P | C1 | 26 OCT 83 | + |
| 11 OCT 83 | 2300 | 1582.5 | 3.0 | 2 | 708-83 | 1 | P | C1 | 28 OCT 83 | + |
| 18 OCT 83 | 2300 | 1602.5 | -1.0 | 2 | 194-83 | 1 | P | C1 | 28 OCT 83 | + |
| 25 OCT 83 | 2300 | 1628.0 | 0.0 | 2 | 804-82 | 1 | P | C1 | 08 NOV 83 | + |
| 03 NOV 83 | 2306 | 1591.0 | 8.0 | 2 | 800-83 | 1 | P | C2 | 07 DEC 83 | + |
| 08 NOV 83 | 2300 | 1600.0 | -10.0 | 2 | 990-81 | 1 | P | C2 | 07 DEC 83 | + |
| 15 NOV 83 | 2305 | 1587.0 | 4.0 | 2 | 2-83 | 1 | P | C2 | 08 DEC 83 | + |
| 22 NOV 83 | 2306 | 1574.6 | 1.0 | 2 | 921-83 | 1 | P | C2 | 08 DEC 83 | |
| 29 NOV 83 | 2311 | 1588.0 | -2.0 | 2 | 106-83 | 1 | P | C2 | 14 DEC 83 | + |
| 07 DEC 83 | 2256 | 1580.6 | 5.0 | 2 | 624-83 | 1 | P | C2 | 24 DEC 83 | + |
| 13 DEC 83 | 2311 | 1575.6 | -1.0 | 2 | 872-81 | 1 | P | C2 | 27 DEC 83 | |
| 20 DEC 83 | 2305 | 1574.6 | -1.0 | 2 | 24-83 | 1 | P | C2 | 27 DEC 83 | + |
| 27 DEC 83 | 2256 | 1581.5 | 1.0 | 2 | 808-83 | 1 | P | C2 | 04 JAN 84 | + |
| 03 JAN 84 | 2306 | 1575.6 | -1.0 | 2 | 1578-82 | 1 | P | C2 | 31 JAN 84 | + |
| 11 JAN 84 | 2312 | 1571.1 | -2.0 | 2 | 1750-82 | 1 | P | C2 | 31 JAN 84 | + |
| 17 JAN 84 | 2307 | 1584.5 | 1.0 | 2 | 952-83 | 1 | P | C2 | 03 FEB 84 | + |
| 24 JAN 84 | 2310 | 1562.1 | -2.0 | 2 | 794-83 | 1 | P | C2 | 03 FEB 84 | + |
| 31 JAN 84 | 2307 | 1572.6 | -1.0 | 2 | 944-81 | 1 | P | C2 | 17 FEB 84 | + |
| 07 FEB 84 | 2258 | 1558.6 | 3.0 | 2 | 996-81 | 1 | P | C2 | 17 FEB 84 | + |
| 14 FEB 84 | 2305 | 1582.0 | | 1 | 1526-82 | 1 | P | C2 | 29 MAR 84 | + |
| 21 FEB 84 | 2230 | 1590.5 | 7.0 | 2 | 806-83 | 1 | P | C2 | 06 MAR 84 | + |
| 28 FEB 84 | 2301 | 1579.5 | 1.0 | 2 | 984-81 | 1 | P | C2 | 29 MAR 84 | + |
| 06 MAR 84 | 2315 | 1623.5 | -3.0 | 2 | 188-83 | 1 | P | C2 | 29 MAR 84 | + |
| 14 MAR 84 | 2300 | 1567.6 | -1.0 | 2 | 1798-82 | 1 | P | C2 | 30 MAR 84 | + |
| 20 MAR 84 | 2315 | 1608.0 | -2.0 | 2 | 778-83 | 1 | P | C2 | 04 APR 84 | + |
| 27 MAR 84 | 2259 | 1575.6 | 1.0 | 2 | 870-81 | 1 | P | C2 | 04 APR 84 | + |
| 03 APR 84 | 2305 | 1585.0 | -6.0 | 2 | 1608-82 | 1 | P | C2 | 13 APR 84 | + |
| 10 APR 84 | 2310 | 1594.5 | -3.0 | 2 | 1030-82 | 1 | P | C2 | 24 APR 84 | + |
| 17 APR 84 | 2310 | 1577.1 | -2.0 | 2 | 728-82 | 1 | P | C2 | 03 MAY 84 | + |
| 24 APR 84 | 2312 | 1579.5 | -1.0 | 2 | 946-83 | 1 | P | C2 | 02 MAY 84 | + |
| 01 MAY 84 | 2300 | 1568.6 | -3.0 | 2 | 954-83 | 1 | P | C2 | 16 MAY 84 | + |
| 08 MAY 84 | 2306 | 1604.5 | -1.0 | 2 | 804-82 | 1 | P | C2 | 16 MAY 84 | + |
| 15 MAY 84 | 2311 | 1604.0 | 0.0 | 2 | 1416-82 | 1 | P | C2 | 31 MAY 84 | + |
| 22 MAY 84 | 2310 | 1797.9 | 2.0 | 2 | 210-83 | 1 | P | C2 | 15 JUN 84 | + |
| 30 MAY 84 | 0205 | 1576.6 | 5.0 | 2 | 673-81 | 1 | P | C2 | 15 JUN 84 | |
| 05 JUN 84 | 2310 | 1606.5 | 5.0 | 2 | 788-83 | 1 | P | C2 | 14 JUN 84 | + |
| 12 JUN 84 | 2308 | 1582.0 | | 1 | 950-83 | 1 | P | C2 | 02 JUL 84 | + |
| 19 JUN 84 | 2312 | 1754.9 | | 1 | 192-83 | 1 | P | C2 | 02 JUL 84 | + |
| 26 JUN 84 | 2307 | 1685.0 | | 1 | 916-83 | 1 | P | C2 | 10 JUL 84 | + |
| 03 JUL 84 | 2311 | 1617.0 | | 1 | 798-81 | 1 | P | C2 | 17 JUL 84 | + |
| 10 JUL 84 | 2310 | 1610.0 | | 1 | 800-82 | 1 | P | C2 | 17 JUL 84 | + |
| 17 JUL 84 | 2310 | 1611.0 | | 1 | 624-82 | 1 | P | C2 | 13 AUG 84 | + |

Kaitorete Spit, New Zealand (NZL)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 24 JUL 84 | 2310 | 1691.0 | | 1 | 790-83 | 1 | P | C2 | 13 AUG 84 | + |
| 31 JUL 84 | 2300 | 1594.0 | | 1 | 1444-82 | 1 | P | C2 | 14 AUG 84 | + |
| 07 AUG 84 | 2255 | 1610.0 | | 1 | 1166-82 | 1 | P | C2 | 07 SEP 84 | + |
| 05 SEP 84 | 2159 | 1591.0 | | 1 | 1244-82 | 1 | P | C2 | 10 SEP 84 | |
| 12 SEP 84 | 2236 | 1600.0 | 4.0 | 2 | 716-83 | 1 | P | C2 | 17 OCT 84 | + |
| 17 SEP 84 | 2214 | 1593.0 | | 1 | 938-83 | 1 | P | C2 | 22 SEP 84 | + |
| 31 OCT 84 | 2257 | 1607.6 | .1 | 2 | 406-82 | 1 | P | C2 | 07 NOV 84 | + |
| 06 NOV 84 | 2200 | 1594.0 | -1.4 | 2 | 1790-82 | 1 | P | C2 | 15 NOV 84 | + |
| 13 NOV 84 | 2113 | 1609.0 | -1.9 | 2 | 808-83 | 1 | P | C2 | 27 NOV 84 | + |
| 20 NOV 84 | 2121 | 1594.1 | 7.1 | 3 | 614-83 | 1 | P | C2 | 04 DEC 84 | + |
| 28 NOV 84 | 0116 | 1597.9 | .2 | 2 | 630-81 | 1 | P | C2 | 18 DEC 84 | + |
| 05 DEC 84 | 2125 | 1598.5 | -.4 | 2 | 484-82 | 1 | P | C2 | 18 DEC 84 | + |
| 12 DEC 84 | 2255 | 1586.2 | -4.1 | 2 | 1146-82 | 1 | P | C2 | 19 DEC 84 | + |
| 26 DEC 84 | 2140 | 1590.2 | -.2 | 2 | 1368-82 | 1 | P | C2 | 16 JAN 85 | + |
| 02 JAN 85 | 2218 | 1583.8 | 3.5 | 2 | 846-81 | 1 | P | C2 | 24 JAN 85 | + |
| 08 JAN 85 | 2206 | 1580.9 | | 1 | 90-83 | 1 | P | C2 | 04 FEB 85 | + |
| 15 JAN 85 | 2154 | 1595.9 | 5.0 | 2 | 800-82 | 1 | P | C2 | 24 JAN 85 | + |
| 23 JAN 85 | 2150 | 1583.0 | 2.4 | 2 | 774-83 | 1 | P | C2 | 05 FEB 85 | + |
| 29 JAN 85 | 2138 | 1582.2 | -.1 | 2 | 1316-82 | 1 | P | C2 | 27 FEB 85 | + |
| 12 FEB 85 | 2152 | 1581.3 | -1.2 | 2 | 620-83 | 1 | P | C2 | 27 FEB 85 | + |
| 19 FEB 85 | 2145 | 1571.5 | -.6 | 2 | 1092-82 | 1 | P | C2 | 25 MAR 85 | + |
| 26 FEB 85 | 2146 | 1588.3 | -1.7 | 2 | 1594-82 | 1 | P | C2 | 25 MAR 85 | + |
| 05 MAR 85 | 2235 | 1581.9 | | 1 | 244-83 | 1 | P | C2 | 25 MAR 85 | + |
| 19 MAR 85 | 2205 | 1570.5 | | 1 | 836-82 | 1 | P | C2 | 10 APR 85 | |
| 26 MAR 85 | 2150 | 1605.6 | | 1 | 798-83 | 1 | P | C2 | 10 APR 85 | + |
| 02 APR 85 | 2150 | 1597.8 | | 1 | 1572-82 | 1 | P | C2 | 11 APR 85 | + |
| 09 APR 85 | 2220 | 1609.8 | | 1 | 798-82 | 1 | P | C2 | 16 APR 85 | + |

Olympic Pen., Washington (OPW)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 18 APR 85 | 0122 | 1716.5 | 3.9 | 2 | 3102-83 | 4 | T | C2 | 01 MAY 85 | |
| 15 MAY 85 | 0200 | 1727.4 | -2.1 | 2 | 3044-83 | 4 | T | C2 | 22 MAY 85 | |
| 06 SEP 85 | 1945 | 1718.9 | -.1 | 2 | 3080-84 | 4 | T | C3 | 23 SEP 85 | |
| 06 SEP 85 | 2015 | 1718.4 | .8 | 2 | 3062-84 | 4 | T | C3 | 23 SEP 85 | |
| 06 NOV 85 | 1930 | 1711.0 | .5 | 2 | 3090-84 | 4 | T | C3 | 13 NOV 85 | |
| 06 NOV 85 | 2030 | 1714.1 | -1.2 | 2 | 2028-85 | 4 | T | C3 | 13 NOV 85 | |

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 JAN 83 | 2325 | 1537.1 | | 1 | 880-81 | 1 | P | C1 | 06 JUN 83 | |
| 11 JAN 83 | 2245 | 1535.6 | -11.0 | 2 | 884-81 | 1 | P | C1 | 06 JUN 83 | |
| 28 JAN 83 | 1348 | 1541.6 | -21.0 | 2 | 890-81 | 1 | P | C1 | 06 JUN 83 | |
| 12 FEB 83 | 2312 | 1526.1 | -12.0 | 2 | 896-81 | 1 | P | C1 | 06 JUN 83 | |
| 23 FEB 83 | 1330 | 1527.1 | -16.0 | 2 | 902-81 | 1 | P | C1 | 06 JUN 83 | |
| 05 MAR 83 | 1520 | 1532.1 | 20.0 | 2 | 1283-82 | 1 | P | C1 | 06 JUN 83 | |
| 19 MAR 83 | 1105 | 1537.1 | -20.0 | 2 | 1286-82 | 1 | P | C1 | 13 JUL 83 | |
| 31 MAR 83 | 1246 | 1547.6 | -3.0 | 2 | 1290-82 | 1 | P | C1 | 13 JUL 83 | |
| 11 APR 83 | 1712 | 1541.6 | 5.0 | 2 | 1294-82 | 1 | P | C1 | 13 JUL 83 | |
| 17 APR 83 | 1513 | 1548.6 | 3.0 | 2 | 1296-82 | 1 | P | C2 | 06 APR 84 | |
| 23 APR 83 | 1645 | 1548.1 | | 1 | 1298-82 | 1 | P | C2 | 06 APR 84 | |
| 29 APR 83 | 1420 | 1551.6 | -3.0 | 2 | 1300-82 | 1 | P | C2 | 06 APR 84 | |
| 29 APR 83 | 1420 | 1551.1 | | 1 | 1302-82 | 1 | P | C2 | 06 APR 84 | |
| 04 MAY 83 | 1423 | 1548.1 | | 1 | 1304-82 | 1 | P | C2 | 06 APR 84 | |
| 09 MAY 83 | 1315 | 1546.6 | -1.0 | 2 | 1306-82 | 1 | P | C2 | 06 APR 84 | |
| 14 MAY 83 | 1307 | 1550.6 | -1.0 | 2 | 1308-82 | 1 | P | C2 | 06 APR 84 | |
| 20 MAY 83 | 1538 | 1554.1 | | 1 | 1310-82 | 1 | P | C2 | 06 APR 84 | |
| 26 MAY 83 | 1406 | 1553.6 | 3.0 | 2 | 1312-82 | 1 | P | C2 | 05 APR 84 | |
| 31 MAY 83 | 2120 | 1552.6 | -3.0 | 2 | 1314-82 | 1 | P | C2 | 06 APR 84 | |
| 06 JUN 83 | 1900 | 1554.1 | | 1 | 1316-82 | 1 | P | C2 | 06 APR 84 | |
| 11 JUN 83 | 1622 | 1558.6 | 5.0 | 2 | 1318-82 | 1 | P | C2 | 06 APR 84 | |
| 17 JUN 83 | 1337 | 1564.1 | 8.0 | 2 | 1320-82 | 1 | P | C2 | 06 APR 84 | |
| 22 JUN 83 | 1728 | 1563.1 | -6.0 | 2 | 1322-82 | 1 | P | C2 | 05 APR 84 | |
| 28 JUN 83 | 1723 | 1562.1 | | 1 | 1324-82 | 1 | P | C2 | 06 APR 84 | |
| 04 JUL 83 | 2225 | 1562.1 | 4.0 | 2 | 1326-82 | 1 | P | C2 | 06 APR 84 | |
| 10 JUL 83 | 2108 | 1563.1 | | 1 | 1328-82 | 1 | P | C2 | 06 APR 84 | |
| 16 JUL 83 | 1542 | 1566.1 | 2.0 | 2 | 1330-82 | 1 | P | C2 | 06 APR 84 | |
| 22 JUL 83 | 1828 | 1566.6 | -3.0 | 2 | 1332-82 | 1 | P | C2 | 06 APR 84 | |
| 27 JUL 83 | 1947 | 1568.1 | 0.0 | 2 | 1334-82 | 1 | P | C2 | 06 APR 84 | |
| 02 AUG 83 | 2131 | 1573.1 | -6.0 | 2 | 1336-82 | 1 | P | C2 | 11 APR 84 | |
| 09 AUG 83 | 2130 | 1569.1 | -8.0 | 2 | 1338-82 | 1 | P | C2 | 11 APR 84 | |
| 14 AUG 83 | 1650 | 1571.6 | -5.0 | 2 | 1340-82 | 1 | P | C2 | 11 APR 84 | |
| 20 AUG 83 | 1927 | 1573.1 | | 1 | 1342-82 | 1 | P | C2 | 11 APR 84 | |
| 26 AUG 83 | 2020 | 1587.0 | -7.0 | 3 | 1344-82 | 1 | P | C2 | 11 APR 84 | |
| 31 AUG 83 | 1907 | 1585.5 | 1.0 | 2 | 1346-82 | 1 | P | C2 | 11 APR 84 | |
| 06 SEP 83 | 1124 | 1572.6 | 3.0 | 2 | 1348-82 | 1 | P | C2 | 11 APR 84 | |
| 12 SEP 83 | 2225 | 1576.1 | -2.0 | 2 | 1350-82 | 1 | P | C2 | 11 APR 84 | |
| 18 SEP 83 | 1508 | 1579.0 | | 1 | 1352-82 | 1 | P | C2 | 11 APR 84 | |
| 24 SEP 83 | 1420 | 1577.1 | 6.0 | 2 | 1354-82 | 1 | P | C2 | 11 APR 84 | |
| 29 SEP 83 | 2155 | 1576.1 | 2.0 | 2 | 1356-82 | 1 | P | C2 | 11 APR 84 | |
| 05 OCT 83 | 1633 | 1575.6 | -3.0 | 2 | 1358-82 | 1 | P | C2 | 11 APR 84 | |
| 11 OCT 83 | 2254 | 1576.1 | 4.0 | 2 | 1360-82 | 1 | P | C2 | 11 APR 84 | |
| 17 OCT 83 | 1923 | 1576.6 | -1.0 | 2 | 1362-82 | 1 | P | C2 | 11 APR 84 | |
| 24 OCT 83 | 1847 | 1575.1 | -8.0 | 2 | 1364-82 | 1 | P | C2 | 11 APR 84 | |
| 29 OCT 83 | 1938 | 1578.6 | -3.0 | 2 | 1366-82 | 1 | P | C2 | 11 APR 84 | |
| 03 NOV 83 | 1722 | 1573.1 | 2.0 | 2 | 1368-82 | 1 | P | C2 | 11 APR 84 | |
| 08 NOV 83 | 1726 | 1579.5 | -1.0 | 2 | 1370-82 | 1 | P | C2 | 12 APR 84 | |
| 13 NOV 83 | 1612 | 1575.1 | -2.0 | 2 | 1372-82 | 1 | P | C2 | 12 APR 84 | |
| 18 NOV 83 | 1700 | 1576.6 | -1.0 | 2 | 1374-82 | 1 | P | C2 | 12 APR 84 | |
| 24 NOV 83 | 1512 | 1574.6 | 1.0 | 2 | 1376-82 | 1 | P | C2 | 11 APR 84 | |
| 24 NOV 83 | 1512 | 1574.1 | 0.0 | 2 | 1378-82 | 1 | P | C2 | 12 APR 84 | |
| 09 DEC 83 | 2345 | 1568.6 | 1.0 | 2 | 1384-82 | 1 | P | C2 | 12 APR 84 | |
| 13 DEC 83 | 1634 | 1570.1 | -2.0 | 2 | 1386-82 | 1 | P | C2 | 11 APR 84 | |
| 18 DEC 83 | 1645 | 1568.6 | -3.0 | 2 | 1388-82 | 1 | P | C2 | 12 APR 84 | |
| 23 DEC 83 | 2058 | 1567.6 | 3.0 | 2 | 1390-82 | 1 | P | C2 | 11 APR 84 | |
| 12 JAN 84 | 1715 | 1563.3 | .8 | 2 | 1392-82 | 1 | P | C2 | 12 APR 85 | |
| 03 FEB 84 | 1439 | 1562.2 | -6.1 | 2 | 686-83 | 1 | P | C2 | 12 APR 85 | |
| 28 FEB 84 | 1745 | 1555.3 | -1.4 | 2 | 688-83 | 1 | P | C2 | 10 APR 85 | |
| 14 MAR 84 | 1730 | 1559.3 | 4.1 | 2 | 690-83 | 1 | P | C2 | 11 APR 85 | |
| 25 MAR 84 | 1545 | 1562.5 | -1.9 | 2 | 692-83 | 1 | P | C2 | 11 APR 85 | |
| 04 APR 84 | 2030 | 1567.5 | -.4 | 2 | 694-83 | 1 | P | C2 | 11 APR 85 | |
| 22 APR 84 | 1850 | 1561.4 | .8 | 2 | 696-83 | 1 | P | C2 | 10 APR 85 | |
| 08 JUN 84 | 1244 | 1577.4 | -.2 | 2 | 634-83 | 1 | P | C2 | 10 APR 85 | |
| 19 JUN 84 | 1425 | 1576.9 | 3.1 | 2 | 636-83 | 1 | P | C2 | 12 APR 85 | |

Palmer Station, Antarctica (PSA)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 08 JUL 84 | 1940 | 1580.5 | 1.5 | 2 | 630-83 | 1 | P | C2 | 11 APR 85 | |
| 30 JUL 84 | 2136 | 1585.3 | -.2 | 2 | 666-83 | 1 | P | C2 | 05 APR 85 | |
| 15 AUG 84 | 2010 | 1592.1 | 5.2 | 2 | 670-83 | 1 | P | C2 | 12 APR 85 | |
| 11 OCT 84 | 1205 | 1587.6 | .3 | 2 | 644-83 | 1 | P | C2 | 16 APR 85 | |
| 19 OCT 84 | 1229 | 1590.5 | -1.2 | 2 | 682-83 | 1 | P | C2 | 16 APR 85 | |
| 08 NOV 84 | 2002 | 1589.3 | 2.8 | 2 | 676-83 | 1 | P | C2 | 12 APR 85 | |
| 24 NOV 84 | 2247 | 1585.3 | -3.3 | 2 | 654-83 | 1 | P | C2 | 12 APR 85 | |
| 30 DEC 84 | 1610 | 1572.7 | 4.9 | 2 | 278-83 | 1 | P | C2 | 04 APR 85 | |
| 31 DEC 84 | 1630 | 1575.7 | 5.3 | 2 | 1400-82 | 1 | P | C2 | 04 APR 85 | |
| 20 JAN 85 | 2010 | 1574.2 | 7.8 | 2 | 630-82 | 1 | P | C2 | 31 JUL 85 | |
| 26 JAN 85 | 1915 | 1565.4 | -4.7 | 2 | 268-85 | 1 | P | C2 | 31 JUL 85 | |
| 03 FEB 85 | 0935 | 1566.4 | -1.1 | 2 | 270-85 | 1 | P | C2 | 31 JUL 85 | |
| 10 FEB 85 | 2300 | 1564.2 | 1.1 | 2 | 272-85 | 1 | P | C2 | 31 JUL 85 | |
| 24 FEB 85 | 1845 | 1565.7 | .5 | 2 | 274-85 | 1 | P | C2 | 31 JUL 85 | |
| 10 MAR 85 | 1435 | 1569.1 | | 1 | 300-85 | 1 | P | C2 | 31 JUL 85 | |
| 18 MAR 85 | 0040 | 1563.9 | 2.4 | 2 | 302-85 | 1 | P | C2 | 31 JUL 85 | |
| 23 MAR 85 | 1920 | 1564.8 | 2.0 | 2 | 304-85 | 1 | P | C2 | 31 JUL 85 | |
| 30 MAR 85 | 1330 | 1568.2 | -.3 | 2 | 306-85 | 1 | P | C2 | 31 JUL 85 | |
| 29 APR 85 | 1310 | 1576.1 | -.7 | 2 | 354-85 | 1 | P | C4 | 15 APR 86 | |
| 05 MAY 85 | 1210 | 1583.1 | 2.2 | 2 | 356-85 | 1 | P | C4 | 15 APR 86 | |
| 19 MAY 85 | 2355 | 1577.6 | -1.6 | 2 | 360-85 | 1 | P | C4 | 15 APR 86 | |
| 26 MAY 85 | 1940 | 1586.0 | .5 | 2 | 362-85 | 1 | P | C4 | 15 APR 86 | |
| 03 JUN 85 | 0030 | 1587.4 | 2.8 | 2 | 364-85 | 1 | P | C4 | 16 APR 86 | |
| 10 JUN 85 | 1235 | 1585.7 | 2.2 | 2 | 366-85 | 1 | P | C4 | 16 APR 86 | |
| 19 JUN 85 | 1400 | 1579.3 | -2.5 | 2 | 368-85 | 1 | P | C4 | 15 APR 86 | |
| 23 JUN 85 | 2034 | 1585.3 | -4.2 | 2 | 370-85 | 1 | P | C4 | 15 APR 86 | |
| 30 JUN 85 | 1415 | 1597.1 | 1.4 | 2 | 372-85 | 1 | P | C4 | 16 APR 86 | |
| 10 JUL 85 | 1200 | 1594.7 | -.2 | 2 | 374-85 | 1 | P | C4 | 16 APR 86 | |
| 14 JUL 85 | 1310 | 1594.5 | 4.1 | 2 | 376-85 | 1 | P | C4 | 15 APR 86 | |
| 21 JUL 85 | 1435 | 1592.1 | 10.7 | 3 | 378-85 | 1 | P | C4 | 16 APR 86 | |
| 28 JUL 85 | 1250 | 1591.1 | .6 | 2 | 380-85 | 1 | P | C4 | 16 APR 86 | |
| 06 AUG 85 | 1230 | 1593.9 | 6.2 | 2 | 382-85 | 1 | P | C4 | 16 APR 86 | |
| 12 AUG 85 | 2040 | 1599.0 | 1.4 | 2 | 384-85 | 1 | P | C4 | 16 APR 86 | |
| 19 AUG 85 | 1020 | 1600.3 | 2.1 | 2 | 386-85 | 1 | P | C4 | 16 APR 86 | |
| 25 AUG 85 | 1645 | 1613.4 | 5.7 | 2 | 278-85 | 1 | P | C4 | 14 APR 86 | + |
| 22 SEP 85 | 1600 | 1607.6 | -4.1 | 2 | 284-85 | 1 | P | C4 | 15 APR 86 | |
| 06 OCT 85 | 0030 | 1600.7 | .4 | 2 | 288-85 | 1 | P | C4 | 15 APR 86 | |
| 13 OCT 85 | 1945 | 1608.5 | 3.0 | 2 | 290-85 | 1 | P | C4 | 15 APR 86 | |
| 24 OCT 85 | 2125 | 1600.6 | 5.9 | 2 | 296-85 | 1 | P | C4 | 14 APR 86 | |
| 27 OCT 85 | 0020 | 1605.6 | -9.6 | 2 | 366-82 | 1 | P | C4 | 15 APR 86 | |
| 01 NOV 85 | 2035 | 1612.4 | -8.2 | 2 | 242-83 | 1 | P | C4 | 15 APR 86 | |
| 18 NOV 85 | 1035 | 1602.9 | .3 | 2 | 114-83 | 1 | P | C4 | 14 APR 86 | |
| 23 NOV 85 | 1445 | 1601.4 | 2.8 | 2 | 1566-82 | 1 | P | C4 | 14 APR 86 | |
| 26 NOV 85 | 1244 | 1604.7 | -5.9 | 2 | 130-83 | 1 | P | C4 | 14 APR 86 | |
| 06 DEC 85 | 1720 | 1599.4 | -1.9 | 2 | 228-83 | 1 | P | C4 | 14 APR 86 | |
| 09 DEC 85 | 1245 | 1595.5 | -.2 | 2 | 150-83 | 1 | P | C4 | 14 APR 86 | |
| 20 DEC 85 | 1900 | 1596.8 | -1.4 | 2 | 328-85 | 1 | P | C4 | 10 JUN 86 | |
| 31 DEC 85 | 1510 | 1590.2 | .1 | 2 | 330-85 | 1 | P | C4 | 10 JUN 86 | |

Seychelles (SEY)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 MAY 83 | 1030 | 1553.1 | 0.0 | 2 | 166-83 | 1 | P | C1 | 18 MAY 83 | |
| 19 MAY 83 | 1030 | 1579.6 | 11.0 | 2 | 1752-82 | 1 | P | C1 | 26 MAY 83 | |
| 26 MAY 83 | 1030 | 1555.6 | -3.0 | 2 | 20-83 | 1 | P | C1 | 06 JUN 83 | |
| 02 JUN 83 | 1045 | 1551.1 | 12.0 | 2 | 168-83 | 1 | P | C1 | 08 JUN 83 | |
| 09 JUN 83 | 1000 | 1573.6 | -17.0 | 2 | 730-82 | 1 | P | C1 | 14 JUN 83 | |
| 16 JUN 83 | 1030 | 1570.6 | -7.0 | 2 | 114-83 | 1 | P | C1 | 28 JUN 83 | |
| 23 JUN 83 | 1120 | 1585.0 | 6.0 | 2 | 242-83 | 1 | P | C1 | 06 JUL 83 | |
| 30 JUN 83 | 1020 | 1588.5 | 7.0 | 2 | 1714-82 | 1 | P | C1 | 06 JUL 83 | |
| 07 JUL 83 | 1050 | 1568.1 | -2.0 | 2 | 1018-82 | 1 | P | C1 | 13 JUL 83 | |
| 14 JUL 83 | 1000 | 1596.0 | 0.0 | 3 | 1554-82 | 1 | P | C1 | 20 JUL 83 | |
| 19 JUL 83 | 1130 | 1573.1 | 22.0 | 2 | 946-81 | 1 | P | C1 | 28 JUL 83 | |
| 28 JUL 83 | 1100 | 1573.6 | -27.0 | 2 | 1526-82 | 1 | P | C1 | 06 AUG 83 | |
| 04 AUG 83 | 1030 | 1578.1 | 2.0 | 2 | 1700-82 | 1 | P | C1 | 18 AUG 83 | |
| 11 AUG 83 | 1015 | 1564.6 | 3.0 | 2 | 1456-82 | 1 | P | C1 | 19 AUG 83 | |
| 18 AUG 83 | 0500 | 1575.6 | 1.0 | 2 | 264-82 | 1 | P | C2 | 13 DEC 83 | |
| 25 AUG 83 | 0500 | 1577.1 | -2.0 | 2 | 700-83 | 1 | P | C2 | 13 DEC 83 | |
| 01 SEP 83 | 0500 | 1576.6 | -1.0 | 2 | 1698-82 | 1 | P | C2 | 13 DEC 83 | |
| 08 SEP 83 | 1000 | 1575.6 | 3.0 | 2 | 1486-82 | 1 | P | C2 | 13 DEC 83 | |
| 10 NOV 83 | 0800 | 1616.5 | -1.0 | 2 | 724-83 | 1 | P | C2 | 27 DEC 83 | |
| 17 NOV 83 | 0800 | 1620.5 | -3.0 | 2 | 1696-82 | 1 | P | C2 | 27 DEC 83 | |
| 01 DEC 83 | 0530 | 1586.6 | -17.0 | 2 | 1714-82 | 1 | P | C2 | 27 DEC 83 | |
| 08 DEC 83 | 0630 | 1600.0 | 0.0 | 2 | 12-83 | 1 | P | C2 | 27 DEC 83 | |
| 15 DEC 83 | 0600 | 1608.5 | 1.0 | 2 | 950-83 | 1 | P | C2 | 27 DEC 83 | |
| 22 DEC 83 | 1200 | 1634.0 | -2.0 | 2 | 982-81 | 1 | P | C2 | 02 FEB 84 | |
| 29 DEC 83 | 1300 | 1628.0 | 0.0 | 2 | 1152-82 | 1 | P | C2 | 03 FEB 84 | |
| 05 JAN 84 | 9999 | 1635.0 | -4.0 | 2 | 830-82 | 1 | P | C2 | 03 FEB 84 | |
| 12 JAN 84 | 1200 | 1627.5 | 7.0 | 2 | 296-82 | 1 | P | C2 | 07 FEB 84 | |
| 19 JAN 84 | 0915 | 1638.0 | -6.0 | 2 | 738-82 | 1 | P | C2 | 07 FEB 84 | |
| 26 JAN 84 | 1500 | 1613.0 | -6.0 | 2 | 920-83 | 1 | P | C2 | 02 APR 84 | |
| 23 FEB 84 | 1150 | 1586.5 | -1.0 | 2 | 364-82 | 1 | P | C2 | 10 JUL 84 | |
| 01 MAR 84 | 1335 | 1620.0 | | 1 | 906-82 | 1 | P | C2 | 03 APR 84 | |
| 28 JUN 84 | 0500 | 1586.0 | 0.0 | 2 | 760-83 | 1 | P | C2 | 11 JUL 84 | |
| 05 JUL 84 | 1300 | 1595.0 | 0.0 | 2 | 1094-82 | 1 | P | C2 | 31 JUL 84 | |
| 12 JUL 84 | 1400 | 1593.0 | 2.0 | 2 | 934-83 | 1 | P | C2 | 31 JUL 84 | |
| 19 JUL 84 | 0530 | 1592.5 | 3.0 | 2 | 1196-82 | 1 | P | C2 | 01 AUG 84 | |
| 26 JUL 84 | 1000 | 1591.5 | 1.0 | 2 | 728-83 | 1 | P | C2 | 07 SEP 84 | |
| 02 AUG 84 | 1400 | 1593.0 | 0.0 | 2 | 1340-82 | 1 | P | C2 | 05 SEP 84 | |
| 09 AUG 84 | 0500 | 1597.5 | -1.0 | 2 | 484-82 | 1 | P | C2 | 11 SEP 84 | |
| 16 AUG 84 | 0900 | 1592.0 | -2.0 | 2 | 402-82 | 1 | P | C2 | 11 SEP 84 | |
| 23 AUG 84 | 0700 | 1597.5 | -3.0 | 2 | 1366-82 | 1 | P | C2 | 21 SEP 84 | |
| 30 AUG 84 | 0900 | 1600.5 | 1.0 | 2 | 1694-82 | 1 | P | C2 | 22 SEP 84 | |
| 06 SEP 84 | 0600 | 1594.8 | 8.3 | 3 | 8-83 | 1 | P | C2 | 16 OCT 84 | |
| 13 SEP 84 | 0300 | 1619.0 | 4.0 | 2 | 736-83 | 1 | P | C2 | 28 SEP 84 | |
| 20 SEP 84 | 0400 | 1593.0 | 0.0 | 2 | 1442-82 | 1 | P | C2 | 28 SEP 84 | |
| 27 SEP 84 | 0700 | 1590.8 | -.4 | 2 | 1076-82 | 1 | P | C2 | 07 NOV 84 | |
| 04 OCT 84 | 0500 | 1590.0 | 6.1 | 2 | 1828-82 | 1 | P | C2 | 07 NOV 84 | |
| 11 OCT 84 | 0500 | 1658.7 | .2 | 2 | 128-83 | 1 | P | C2 | 24 JAN 85 | |
| 18 OCT 84 | 0630 | 1587.1 | 2.4 | 2 | 1360-82 | 1 | P | C2 | 14 NOV 84 | |
| 06 DEC 84 | 0430 | 1634.8 | 4.4 | 2 | 1732-82 | 1 | P | C2 | 13 FEB 85 | |
| 13 DEC 84 | 0500 | 1634.0 | 4.8 | 2 | 848-82 | 1 | P | C2 | 13 FEB 85 | |
| 20 DEC 84 | 0830 | 1636.6 | -3.7 | 2 | 1554-82 | 1 | P | C2 | 13 FEB 85 | |
| 07 FEB 85 | 0400 | 1638.9 | .6 | 2 | 1334-82 | 1 | P | C2 | 14 FEB 85 | |
| 14 FEB 85 | 0530 | 1652.3 | 3.5 | 2 | 618-83 | 1 | P | C2 | 27 FEB 85 | |
| 21 FEB 85 | 0515 | 1664.5 | | 1 | 1250-82 | 1 | P | C2 | 25 MAR 85 | |
| 26 FEB 85 | 1330 | 1659.9 | 2.9 | 2 | 788-83 | 1 | P | C2 | 28 MAR 85 | |
| 07 MAR 85 | 0600 | 1583.3 | 2.4 | 2 | 1478-82 | 1 | P | C2 | 27 MAR 85 | |
| 12 MAR 85 | 0500 | 1586.1 | -6.0 | 2 | 1486-82 | 1 | P | C2 | 26 MAR 85 | |
| 21 MAR 85 | 0350 | 1611.4 | 3.3 | 2 | 1344-82 | 1 | P | C2 | 28 MAR 85 | |
| 28 MAR 85 | 0305 | 1589.5 | .2 | 2 | 704-83 | 1 | P | C2 | 04 APR 85 | |
| 04 APR 85 | 0410 | 1584.4 | -.6 | 2 | 1094-82 | 1 | P | C2 | 16 APR 85 | |
| 12 APR 85 | 0500 | 1592.9 | -3.6 | 2 | 1484-82 | 1 | P | C2 | 23 APR 85 | |
| 18 APR 85 | 0630 | 1608.3 | -3.4 | 2 | 938-83 | 1 | P | C2 | 23 APR 85 | |
| 25 APR 85 | 1530 | 1592.0 | .9 | 2 | 1602-82 | 1 | P | C2 | 07 MAY 85 | |
| 02 MAY 85 | 0900 | 1590.6 | -.1 | 2 | 484-82 | 1 | P | C2 | 07 MAY 85 | |

Seychelles (SEY)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 MAY 85 | 1030 | 1595.4 | .2 | 2 | 1370-82 | 1 | P | C2 | 29 MAY 85 | |
| 23 MAY 85 | 0930 | 1593.1 | 1.4 | 2 | 1572-82 | 1 | P | C2 | 29 MAY 85 | |
| 30 MAY 85 | 0550 | 1600.1 | 1.0 | 2 | 968-83 | 1 | P | C2 | 11 JUN 85 | |
| 13 JUN 85 | 1130 | 1601.3 | | 1 | 1010-82 | 1 | P | C2 | 28 JUN 85 | |
| 17 JUN 85 | 0430 | 1600.6 | 2.2 | 2 | 846-81 | 1 | P | C3 | 12 AUG 85 | |
| 18 JUN 85 | 0500 | 1603.5 | 1.9 | 2 | 257-83 | 1 | P | C2 | 31 JUL 85 | |
| 04 JUL 85 | 0700 | 1606.7 | 2.5 | 2 | 406-82 | 1 | P | C3 | 26 AUG 85 | |
| 11 JUL 85 | 0700 | 1605.3 | 1.4 | 2 | 1446-82 | 1 | P | C3 | 26 AUG 85 | |
| 18 JUL 85 | 0900 | 1602.0 | -1.4 | 2 | 780-83 | 1 | P | C3 | 26 AUG 85 | |
| 25 JUL 85 | 0900 | 1603.3 | | 1 | 885-83 | 1 | P | C3 | 26 AUG 85 | |
| 01 AUG 85 | 0400 | 1601.4 | .1 | 2 | 1656-82 | 1 | P | C3 | 14 SEP 85 | |
| 08 AUG 85 | 0400 | 1603.2 | 1.7 | 2 | 705-83 | 1 | P | C3 | 14 SEP 85 | |
| 15 AUG 85 | 0500 | 1612.0 | 0.0 | 2 | 682-83 | 1 | P | C3 | 23 SEP 85 | |
| 22 AUG 85 | 0400 | 1612.4 | -2.3 | 2 | 750-83 | 1 | P | C3 | 23 SEP 85 | |
| 29 AUG 85 | 0400 | 1605.7 | -1.9 | 2 | 834-82 | 1 | P | C3 | 23 SEP 85 | |
| 05 SEP 85 | 0500 | 1614.9 | 1.5 | 2 | 716-83 | 1 | P | C3 | 23 SEP 85 | |
| 12 SEP 85 | 0430 | 1609.3 | 0.0 | 2 | 1498-82 | 1 | P | C3 | 09 OCT 85 | |
| 19 SEP 85 | 0500 | 1608.3 | -1.6 | 2 | 798-82 | 1 | P | C3 | 09 OCT 85 | |
| 26 SEP 85 | 0430 | 1607.1 | | 1 | 836-82 | 1 | P | C3 | 17 DEC 85 | |
| 03 OCT 85 | 1430 | 1591.7 | -3.2 | 2 | 932-83 | 1 | P | C3 | 17 DEC 85 | |
| 08 OCT 85 | 0900 | 1597.0 | .1 | 2 | 178-82 | 1 | P | C3 | 20 NOV 85 | |
| 24 OCT 85 | 0500 | 1592.6 | .9 | 2 | 1210-82 | 1 | P | C3 | 17 DEC 85 | |
| 31 OCT 85 | 0500 | 1602.1 | 1.3 | 2 | 1604-82 | 1 | P | C3 | 17 DEC 85 | |

Shemya Island (SHM)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 04 SEP 85 | 2306 | 1735.6 | -1.1 | 2 | 1587-82 | 1 | P | C3 | 24 SEP 85 | |
| 11 SEP 85 | 2330 | 1733.2 | 1.7 | 2 | 1334-82 | 1 | P | C3 | 23 SEP 85 | |
| 19 SEP 85 | 2200 | 1722.8 | -4.0 | 2 | 186-82 | 1 | P | C3 | 09 OCT 85 | |
| 25 SEP 85 | 0045 | 1735.0 | -1.2 | 2 | 1150-82 | 1 | P | C3 | 09 OCT 85 | |
| 02 OCT 85 | 0030 | 1741.1 | .2 | 2 | 442-83 | 1 | P | C3 | 28 OCT 85 | |
| 09 OCT 85 | 1915 | 1766.1 | .6 | 2 | 1608-82 | 1 | P | C3 | 29 OCT 85 | |
| 16 OCT 85 | 1930 | 1747.2 | -.5 | 2 | 840-81 | 1 | P | C3 | 05 NOV 85 | |
| 25 OCT 85 | 1830 | 1737.5 | 2.7 | 2 | 696-83 | 1 | P | C3 | 05 NOV 85 | |
| 31 OCT 85 | 1900 | 1737.7 | .3 | 2 | 554-85 | 1 | P | C3 | 13 NOV 85 | |
| 08 NOV 85 | 0100 | 1729.6 | -.4 | 2 | 60-83 | 1 | P | C3 | 13 NOV 85 | |
| 13 NOV 85 | 2330 | 1736.9 | 1.8 | 2 | 392-85 | 1 | P | C3 | 17 DEC 85 | |
| 29 NOV 85 | 2300 | 1732.3 | .7 | 2 | 502-82 | 1 | P | C3 | 14 DEC 85 | |
| 21 DEC 85 | 0000 | 1738.0 | -3.4 | 2 | 392-83 | 1 | P | C3 | 04 JAN 86 | |
| 31 DEC 85 | 0000 | 1738.3 | -8.8 | 3 | 642-83 | 1 | P | C4 | 03 FEB 86 | |

Scripps, California (SIO)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 02 FEB 84 | 2345 | 1690.5 | -1.0 | 2 | 748-83 | 1 | P | C2 | 07 FEB 84 | |
| 02 FEB 84 | 2349 | 1683.5 | 3.0 | 2 | 754-83 | 1 | P | C2 | 07 FEB 84 | |
| 02 FEB 84 | 2353 | 1681.5 | -1.0 | 2 | 772-83 | 1 | P | C2 | 07 FEB 84 | |
| 02 FEB 84 | 2357 | 1679.0 | 2.0 | 2 | 774-83 | 1 | P | C2 | 07 FEB 84 | |
| 03 FEB 84 | 0001 | 1680.5 | 3.0 | 2 | 1484-82 | 1 | P | C2 | 07 FEB 84 | |
| 03 FEB 84 | 0005 | 1679.0 | 0.0 | 2 | 1546-82 | 1 | P | C2 | 07 FEB 84 | |
| 12 SEP 84 | 9999 | 1659.5 | -1.0 | 2 | 704-83 | 1 | P | C2 | 21 SEP 84 | |
| 12 SEP 84 | 2314 | 1659.5 | 1.0 | 2 | 846-81 | 1 | P | C2 | 21 SEP 84 | |
| 12 SEP 84 | 2322 | 1656.0 | 0.0 | 2 | 1758-82 | 1 | P | C2 | 21 SEP 84 | |
| 01 AUG 85 | 2350 | 1674.8 | -1.6 | 2 | 510-82 | 1 | P | C3 | 13 AUG 85 | |
| 02 AUG 85 | 0000 | 1677.4 | 2.9 | 2 | 742-83 | 1 | P | C3 | 13 AUG 85 | |
| 02 AUG 85 | 0005 | 1673.9 | .9 | 2 | 1012-82 | 1 | P | C3 | 13 AUG 85 | |
| 02 AUG 85 | 0011 | 1673.2 | -2.8 | 2 | 1116-82 | 1 | P | C3 | 13 AUG 85 | |
| 02 AUG 85 | 0017 | 1674.5 | 2.1 | 2 | 1390-82 | 1 | P | C3 | 13 AUG 85 | |

Matatula Pt., Samoa (SMO)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 23 APR 83 | 0024 | 1543.6 | 13.0 | 4 | 219-83 | 1 | S | C1 | 03 MAY 83 | |
| 23 APR 83 | 0024 | 1551.1 | 4.0 | 2 | 220-83 | 1 | S | C1 | 03 MAY 83 | |
| 21 MAY 83 | 0030 | 1551.1 | 12.0 | 2 | 1002-82 | 1 | P | C1 | 27 MAY 83 | |
| 31 MAY 83 | 0102 | 1578.1 | 2.0 | 2 | 244-83 | 1 | P | C1 | 14 JUN 83 | |
| 04 JUN 83 | 0035 | 1565.1 | -8.0 | 2 | 918-81 | 1 | P | C1 | 08 JUN 83 | |
| 13 JUN 83 | 2333 | 1567.6 | 17.0 | 2 | 88-83 | 1 | P | C1 | 17 JUN 83 | |
| 19 JUN 83 | 9999 | 1567.6 | 29.0 | 2 | 630-82 | 1 | P | C1 | 06 JUL 83 | |
| 25 JUN 83 | 0028 | 1577.6 | 5.0 | 2 | 808-81 | 1 | P | C1 | 06 JUL 83 | |
| 02 JUL 83 | 0028 | 1573.6 | -3.0 | 2 | 350-82 | 1 | P | C1 | 13 JUL 83 | |
| 09 JUL 83 | 0030 | 1569.6 | 13.0 | 2 | 374-82 | 1 | P | C1 | 13 JUL 83 | |
| 05 AUG 83 | 2345 | 1576.1 | -2.0 | 2 | 100-83 | 1 | P | C1 | 18 AUG 83 | |
| 16 AUG 83 | 0145 | 1571.1 | 6.0 | 2 | 1776-82 | 1 | P | C1 | 01 SEP 83 | |
| 20 AUG 83 | 2345 | 1576.6 | -3.0 | 2 | 74-83 | 1 | P | C1 | 02 SEP 83 | |
| 27 AUG 83 | 0052 | 1573.6 | 3.0 | 2 | 10-83 | 1 | P | C1 | 02 SEP 83 | |
| 03 SEP 83 | 0045 | 1558.1 | -2.0 | 2 | 746-83 | 1 | P | C1 | 14 SEP 83 | + |
| 11 SEP 83 | 0114 | 1572.1 | 0.0 | 2 | 760-83 | 1 | P | C2 | 27 SEP 83 | |
| 17 SEP 83 | 0045 | 1574.1 | 8.0 | 2 | 754-82 | 1 | P | C2 | 06 OCT 83 | |
| 22 OCT 83 | 0045 | 1580.5 | -3.0 | 2 | 744-82 | 1 | P | C1 | 28 OCT 83 | |
| 14 NOV 83 | 0244 | 1578.1 | 2.0 | 2 | 286-83 | 1 | P | C2 | 08 DEC 83 | |
| 20 NOV 83 | 2045 | 1575.1 | 6.0 | 2 | 260-82 | 1 | P | C2 | 13 DEC 83 | |
| 26 NOV 83 | 0031 | 1577.1 | 8.0 | 2 | 534-82 | 1 | P | C2 | 13 DEC 83 | |
| 17 DEC 83 | 0031 | 1576.6 | -3.0 | 2 | 928-83 | 1 | P | C2 | 28 DEC 83 | |
| 25 DEC 83 | 0045 | 1572.6 | -3.0 | 2 | 804-82 | 1 | P | C2 | 04 JAN 84 | |
| 02 JAN 84 | 2340 | 1593.0 | 10.0 | 2 | 222-83 | 1 | P | C2 | 17 JAN 84 | |
| 07 JAN 84 | 0028 | 1589.5 | -7.0 | 2 | 1754-82 | 1 | P | C2 | 17 JAN 84 | |
| 14 JAN 84 | 2151 | 1587.0 | 2.0 | 2 | 1456-82 | 1 | P | C2 | 31 JAN 84 | |
| 24 JAN 84 | 9999 | 1589.5 | -3.0 | 2 | 1818-82 | 1 | P | C2 | 02 FEB 84 | |
| 28 JAN 84 | 0037 | 1588.5 | 1.0 | 2 | 202-83 | 1 | P | C2 | 03 FEB 84 | |
| 06 FEB 84 | 2324 | 1598.0 | 0.0 | 2 | 1696-82 | 1 | P | C2 | 17 FEB 84 | |
| 11 FEB 84 | 0025 | 1590.0 | 0.0 | 2 | 1830-82 | 1 | P | C2 | 04 MAR 84 | |
| 24 FEB 84 | 0045 | 1573.6 | 1.0 | 2 | 1150-82 | 1 | P | C2 | 08 MAR 84 | |
| 17 MAR 84 | 0001 | 1563.1 | 6.0 | 2 | 44-83 | 1 | P | C2 | 31 MAR 84 | |
| 31 MAR 84 | 2252 | 1613.0 | -2.0 | 2 | 1702-82 | 1 | P | C2 | 12 APR 84 | + |
| 07 APR 84 | 0012 | 1573.1 | -4.0 | 2 | 740-83 | 1 | P | C2 | 24 APR 84 | |
| 24 APR 84 | 0247 | 1604.0 | 4.0 | 2 | 82-83 | 1 | P | C2 | 02 MAY 84 | + |
| 05 MAY 84 | 0157 | 1581.0 | -2.0 | 2 | 1678-82 | 1 | P | C2 | 16 MAY 84 | |
| 12 MAY 84 | 0033 | 1576.1 | 2.0 | 2 | 1028-82 | 1 | P | C2 | 23 MAY 84 | |
| 19 MAY 84 | 0041 | 1572.1 | -2.0 | 2 | 268-82 | 1 | P | C2 | 23 MAY 84 | |
| 26 MAY 84 | 0024 | 1572.6 | -1.0 | 2 | 1340-82 | 1 | P | C2 | 31 MAY 84 | |
| 09 JUN 84 | 0025 | 1590.0 | -6.0 | 2 | 1636-82 | 1 | P | C2 | 17 JUL 84 | |
| 16 JUN 84 | 0021 | 1585.5 | -7.0 | 2 | 750-82 | 1 | P | C2 | 02 JUL 84 | |
| 23 JUN 84 | 0023 | 1588.5 | -3.0 | 2 | 1734-82 | 1 | P | C2 | 02 JUL 84 | |
| 30 JUN 84 | 0021 | 1590.0 | | 1 | 1640-82 | 1 | P | C2 | 11 JUL 84 | |
| 07 JUL 84 | 0129 | 1591.5 | -1.0 | 2 | 632-82 | 1 | P | C2 | 11 JUL 84 | |
| 14 JUL 84 | 0024 | 1592.5 | 1.0 | 2 | 1554-82 | 1 | P | C2 | 31 JUL 84 | |
| 21 JUL 84 | 0024 | 1590.0 | -2.0 | 2 | 1672-82 | 1 | P | C2 | 10 SEP 84 | |
| 28 JUL 84 | 0024 | 1590.0 | -8.0 | 2 | 1376-82 | 1 | P | C2 | 13 AUG 84 | |
| 04 AUG 84 | 0007 | 1591.5 | 1.0 | 2 | 28-83 | 1 | P | C2 | 14 AUG 84 | |
| 11 AUG 84 | 0040 | 1585.7 | 7.0 | 3 | 1194-82 | 1 | P | C2 | 07 SEP 84 | |
| 18 AUG 84 | 0012 | 1593.0 | -2.0 | 2 | 1246-82 | 1 | P | C2 | 07 SEP 84 | |
| 01 SEP 84 | 2010 | 1587.5 | -3.0 | 2 | 82-83 | 1 | P | C2 | 10 SEP 84 | |
| 22 SEP 84 | 0021 | 1587.6 | -.1 | 2 | 814-83 | 1 | P | C2 | 16 OCT 84 | |
| 29 SEP 84 | 0046 | 1597.9 | 1.3 | 2 | 1314-82 | 1 | P | C2 | 17 OCT 84 | |
| 07 OCT 84 | 0050 | 1587.1 | -.4 | 2 | 1784-82 | 1 | P | C2 | 18 OCT 84 | |
| 13 OCT 84 | 0040 | 1588.9 | -.5 | 2 | 1530-82 | 1 | P | C2 | 18 OCT 84 | |
| 20 OCT 84 | 0019 | 1594.0 | .7 | 2 | 1730-82 | 1 | P | C2 | 31 OCT 84 | |
| 03 NOV 84 | 0040 | 1586.8 | -2.0 | 2 | 850-82 | 1 | P | C2 | 14 NOV 84 | |
| 10 NOV 84 | 0034 | 1589.9 | 1.2 | 2 | 1630-82 | 1 | P | C2 | 15 NOV 84 | |
| 17 NOV 84 | 0021 | 1582.0 | -1.4 | 2 | 1564-82 | 1 | P | C2 | 23 NOV 84 | |
| 01 DEC 84 | 2024 | 1598.0 | 2.9 | 2 | 1152-82 | 1 | P | C2 | 11 DEC 84 | |
| 08 DEC 84 | 0050 | 1596.0 | -1.7 | 2 | 2-83 | 1 | P | C2 | 11 DEC 84 | |
| 15 DEC 84 | 2239 | 1583.0 | -3.8 | 2 | 1142-82 | 1 | P | C2 | 09 JAN 85 | |
| 12 JAN 85 | 0037 | 1619.1 | -1.2 | 2 | 1678-82 | 1 | P | C2 | 17 JAN 85 | |
| 19 JAN 85 | 0022 | 1616.1 | -.7 | 2 | 920-83 | 1 | P | C2 | 24 JAN 85 | |

Matatula Pt., Samoa (SMO)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 26 JAN 85 | 0020 | 1571.6 | 2.0 | 2 | 744-83 | 1 | P | C2 | 04 FEB 85 | |
| 09 FEB 85 | 0037 | 1603.9 | 2.1 | 2 | 222-83 | 1 | P | C2 | 13 FEB 85 | |
| 16 FEB 85 | 0024 | 1610.1 | 3.7 | 2 | 1233-82 | 1 | P | C2 | 20 FEB 85 | |
| 16 FEB 85 | 0024 | 1606.2 | 1.1 | 2 | 1234-82 | 1 | P | C2 | 20 FEB 85 | |
| 23 FEB 85 | 2250 | 1604.3 | 4.0 | 2 | 976-83 | 1 | S | C2 | 26 MAR 85 | |
| 02 MAR 85 | 0050 | 1613.7 | -.7 | 2 | 720-83 | 1 | S | C2 | 28 MAR 85 | |
| 09 MAR 85 | 0150 | 1603.1 | -2.1 | 2 | 1456-82 | 1 | S | C2 | 27 MAR 85 | |
| 23 MAR 85 | 0001 | 1595.1 | 2.7 | 2 | 58-83 | 1 | P | C2 | 26 MAR 85 | |
| 30 MAR 85 | 0015 | 1579.8 | .5 | 2 | 878-83 | 1 | P | C2 | 11 APR 85 | |
| 06 APR 85 | 0005 | 1592.1 | 3.1 | 2 | 854-83 | 1 | P | C2 | 24 APR 85 | |
| 26 APR 85 | 2316 | 1589.5 | 1.6 | 2 | 30-83 | 1 | P | C2 | 07 MAY 85 | |
| 28 APR 85 | 0057 | 1589.9 | | 1 | 401-85 | 1 | P | C2 | 07 MAY 85 | |
| 28 APR 85 | 0057 | 1587.3 | | 1 | 402-85 | 1 | P | C2 | 07 MAY 85 | |
| 28 APR 85 | 0057 | 1589.5 | | 1 | 403-85 | 1 | P | C2 | 07 MAY 85 | |
| 28 APR 85 | 0057 | 1592.2 | | 1 | 407-85 | 1 | P | C2 | 07 MAY 85 | |
| 28 APR 85 | 0057 | 1587.5 | | 1 | 411-85 | 1 | P | C2 | 07 MAY 85 | |
| 28 APR 85 | 0057 | 1592.0 | | 1 | 412-85 | 1 | P | C2 | 07 MAY 85 | |
| 05 MAY 85 | 0030 | 1610.6 | 3.7 | 2 | 2009-85 | 1 | P | C2 | 22 MAY 85 | |
| 05 MAY 85 | 0030 | 1607.9 | 3.9 | 2 | 2010-85 | 7 | P | C2 | 22 MAY 85 | |
| 05 MAY 85 | 0038 | 1610.3 | -.5 | 2 | 1252-82 | 1 | P | C2 | 22 MAY 85 | |
| 18 MAY 85 | 0019 | 1591.5 | 1.5 | 2 | 1244-82 | 1 | P | C2 | 22 MAY 85 | |
| 25 MAY 85 | 0012 | 1592.9 | -1.1 | 2 | 178-82 | 1 | P | C2 | 29 MAY 85 | |
| 01 JUN 85 | 0031 | 1602.2 | 3.2 | 2 | 400-85 | 1 | P | C2 | 11 JUN 85 | |
| 08 JUN 85 | 0021 | 1593.8 | -4.7 | 2 | 976-82 | 1 | P | C2 | 13 JUN 85 | |
| 29 JUN 85 | 0024 | 1598.2 | -5.7 | 2 | 188-83 | 1 | P | C2 | 09 JUL 85 | |
| 06 JUL 85 | 0022 | 1606.2 | 1.4 | 2 | 1368-82 | 1 | P | C2 | 09 JUL 85 | |
| 13 JUL 85 | 0024 | 1596.2 | | 1 | 950-83 | 1 | P | C2 | 19 JUL 85 | |
| 27 JUL 85 | 0027 | 1600.7 | -.4 | 2 | 1150-82 | 1 | P | C3 | 12 AUG 85 | |
| 03 AUG 85 | 0040 | 1600.4 | 3.4 | 2 | 1812-82 | 1 | P | C3 | 12 AUG 85 | |
| 08 AUG 85 | 2220 | 1602.2 | 1.4 | 2 | 330-83 | 1 | P | C3 | 26 AUG 85 | |
| 16 AUG 85 | 0038 | 1601.7 | 2.7 | 2 | 348-83 | 1 | P | C3 | 26 AUG 85 | |
| 23 AUG 85 | 0035 | 1603.4 | -4.1 | 2 | 341-82 | 1 | P | C3 | 26 AUG 85 | |
| 23 AUG 85 | 0035 | 1608.6 | 7.7 | 2 | 342-82 | 1 | P | C3 | 26 AUG 85 | |
| 27 SEP 85 | 0042 | 1603.5 | -1.2 | 2 | 1526-82 | 1 | P | C3 | 02 OCT 85 | |
| 12 OCT 85 | 0049 | 1602.0 | .8 | 2 | 2044-85 | 7 | P | C3 | 24 OCT 85 | |
| 17 OCT 85 | 2325 | 1602.6 | -1.0 | 2 | 1202-82 | 1 | P | C3 | 28 OCT 85 | |
| 01 NOV 85 | 0034 | 1601.9 | -3.8 | 2 | 642-83 | 1 | P | C3 | 14 NOV 85 | |
| 14 NOV 85 | 2250 | 1596.8 | 3.2 | 2 | 1244-82 | 1 | P | C3 | 20 NOV 85 | |
| 28 NOV 85 | 2227 | 1597.3 | -2.2 | 2 | 2032-85 | 7 | P | C3 | 15 DEC 85 | |
| 05 DEC 85 | 2205 | 1595.5 | -3.0 | 2 | 2070-85 | 7 | P | C3 | 15 DEC 85 | |
| 23 DEC 85 | 2249 | 1601.0 | -6.0 | 2 | 1146-82 | 1 | P | C3 | 04 JAN 86 | |
| 26 DEC 85 | 2342 | 1600.9 | -.8 | 2 | 2015-85 | 1 | P | C3 | 08 JAN 86 | |
| 26 DEC 85 | 2342 | 1600.4 | -2.2 | 2 | 2816-85 | 7 | P | C3 | 04 JAN 86 | |

South Pole, Antarctica (SPO)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 20 FEB 83 | 0234 | 1536.6 | 7.0 | 2 | 1588-82 | 1 | S | C2 | 11 JAN 84 | |
| 27 FEB 83 | 0047 | 1535.6 | -1.0 | 2 | 1590-82 | 1 | P | C2 | 13 JAN 84 | |
| 06 MAR 83 | 0124 | 1536.1 | 0.0 | 2 | 1592-82 | 1 | S | C2 | 11 JAN 84 | |
| 13 MAR 83 | 0326 | 1536.6 | 1.0 | 2 | 1594-82 | 1 | P | C2 | 13 JAN 84 | |
| 20 MAR 83 | 0224 | 1537.1 | 4.0 | 2 | 1608-82 | 1 | S | C2 | 11 JAN 84 | |
| 27 MAR 83 | 0242 | 1538.6 | 3.0 | 2 | 1606-82 | 1 | P | C2 | 13 JAN 84 | |
| 10 APR 83 | 0213 | 1541.1 | -8.0 | 2 | 1602-82 | 1 | P | C2 | 13 JAN 84 | |
| 17 APR 83 | 0532 | 1543.6 | -1.0 | 2 | 1596-82 | 1 | S | C2 | 11 JAN 84 | |
| 24 APR 83 | 0224 | 1546.6 | -1.0 | 2 | 1610-82 | 1 | P | C2 | 11 JAN 84 | |
| 01 MAY 83 | 0424 | 1548.1 | -4.0 | 2 | 1612-82 | 1 | S | C2 | 12 JAN 84 | |
| 15 MAY 83 | 0229 | 1551.6 | 7.0 | 2 | 1616-82 | 1 | S | C2 | 12 JAN 84 | |
| 22 MAY 83 | 0530 | 1551.6 | 1.0 | 2 | 1618-82 | 1 | P | C2 | 13 JAN 84 | |
| 29 MAY 83 | 0330 | 1557.1 | 2.0 | 2 | 1620-82 | 1 | S | C2 | 12 JAN 84 | |
| 05 JUN 83 | 0336 | 1550.1 | 2.0 | 2 | 1622-82 | 1 | P | C2 | 13 JAN 84 | |
| 12 JUN 83 | 1028 | 1559.1 | 4.0 | 2 | 1624-82 | 1 | P | C2 | 12 JAN 84 | |
| 19 JUN 83 | 2329 | 1563.6 | 1.0 | 2 | 1626-82 | 1 | S | C2 | 12 JAN 84 | |
| 26 JUN 83 | 0316 | 1561.1 | 2.0 | 2 | 1628-82 | 1 | P | C2 | 12 JAN 84 | |
| 10 JUL 83 | 0013 | 1562.6 | -3.0 | 2 | 1632-82 | 1 | P | C2 | 13 JAN 84 | |
| 17 JUL 83 | 0540 | 1571.1 | | 1 | 1634-82 | 1 | S | C2 | 11 JAN 84 | |
| 24 JUL 83 | 0242 | 1567.1 | -2.0 | 2 | 1636-82 | 1 | P | C2 | 12 JAN 84 | |
| 07 AUG 83 | 0425 | 1571.1 | -4.0 | 2 | 1640-82 | 1 | S | C2 | 11 JAN 84 | |
| 21 AUG 83 | 0228 | 1573.6 | -3.0 | 2 | 1644-82 | 1 | S | C2 | 11 JAN 84 | |
| 04 SEP 83 | 0025 | 1574.6 | -1.0 | 2 | 1648-82 | 1 | S | C2 | 11 JAN 84 | |
| 18 SEP 83 | 0225 | 1579.1 | -10.0 | 2 | 1652-82 | 1 | S | C2 | 12 JAN 84 | |
| 25 SEP 83 | 0413 | 1575.6 | -1.0 | 2 | 1654-82 | 1 | P | C2 | 13 JAN 84 | |
| 02 OCT 83 | 0427 | 1575.1 | -2.0 | 2 | 1656-82 | 1 | S | C2 | 12 JAN 84 | |
| 16 OCT 83 | 0225 | 1579.1 | -4.0 | 2 | 1660-82 | 1 | S | C2 | 12 JAN 84 | |
| 23 OCT 83 | 0153 | 1580.5 | -3.0 | 2 | 1662-82 | 1 | P | C2 | 12 JAN 84 | |
| 30 OCT 83 | 0425 | 1575.1 | 0.0 | 2 | 1664-82 | 1 | S | C2 | 12 JAN 84 | |
| 06 NOV 83 | 0328 | 1576.6 | 7.0 | 2 | 1666-82 | 1 | S | C2 | 12 JAN 84 | |
| 12 NOV 83 | 2325 | 1576.1 | -2.0 | 2 | 1670-82 | 1 | S | C2 | 30 MAR 84 | |
| 19 NOV 83 | 2350 | 1572.6 | -3.0 | 2 | 1672-82 | 1 | P | C2 | 30 MAR 84 | |
| 03 DEC 83 | 2345 | 1573.4 | 7.0 | 3 | 1676-82 | 1 | P | C2 | 30 MAR 84 | |
| 18 DEC 83 | 0200 | 1565.6 | -1.0 | 2 | 1680-82 | 1 | P | C2 | 30 MAR 84 | |
| 24 DEC 83 | 0106 | 1564.6 | 1.0 | 2 | 1682-82 | 1 | S | C2 | 30 MAR 84 | |
| 15 JAN 84 | 0127 | 1562.1 | 0.0 | 2 | 1688-82 | 1 | S | C2 | 29 MAR 84 | |
| 25 FEB 84 | 0125 | 1555.4 | -.4 | 2 | 1155-82 | 1 | S | C2 | 11 DEC 84 | |
| 24 MAR 84 | 0425 | 1561.5 | | 1 | 756-83 | 1 | S | C2 | 11 DEC 84 | |
| 06 APR 84 | 2325 | 1561.4 | 1.7 | 2 | 828-83 | 1 | S | C2 | 06 DEC 84 | |
| 04 MAY 84 | 2226 | 1566.0 | -1.2 | 2 | 835-83 | 1 | S | C2 | 11 DEC 84 | |
| 19 MAY 84 | 0225 | 1576.2 | -.2 | 2 | 840-83 | 1 | S | C2 | 06 DEC 84 | |
| 02 JUN 84 | 0225 | 1575.9 | -9.9 | 2 | 844-83 | 1 | S | C2 | 06 DEC 84 | |
| 23 JUN 84 | 0025 | 1577.2 | 1.0 | 2 | 849-83 | 1 | S | C2 | 11 DEC 84 | |
| 07 JUL 84 | 0125 | 1581.3 | .7 | 2 | 853-83 | 1 | S | C2 | 11 DEC 84 | |
| 20 JUL 84 | 2325 | 1583.0 | 1.9 | 2 | 857-83 | 1 | S | C2 | 11 DEC 84 | |
| 04 AUG 84 | 0225 | 1585.0 | -.7 | 2 | 909-83 | 1 | S | C2 | 11 DEC 84 | |
| 18 AUG 84 | 0125 | 1582.0 | | 1 | 862-83 | 1 | S | C2 | 06 DEC 84 | |
| 15 SEP 84 | 0125 | 1593.2 | | 1 | 870-83 | 1 | S | C2 | 06 DEC 84 | |
| 29 SEP 84 | 0125 | 1591.9 | | 1 | 873-83 | 1 | S | C2 | 24 JAN 85 | |
| 29 SEP 84 | 0125 | 1592.2 | | 1 | 874-83 | 1 | S | C2 | 24 JAN 85 | |
| 13 OCT 84 | 0125 | 1592.2 | | 1 | 877-83 | 1 | S | C2 | 24 JAN 85 | |
| 13 OCT 84 | 0125 | 1589.9 | | 1 | 878-83 | 1 | S | C2 | 24 JAN 85 | |
| 27 OCT 84 | 0125 | 1591.3 | | 1 | 881-83 | 1 | S | C2 | 24 JAN 85 | |
| 27 OCT 84 | 0125 | 1591.3 | -2.4 | 2 | 882-83 | 1 | S | C2 | 24 JAN 85 | |
| 04 NOV 84 | 0357 | 1588.3 | .2 | 2 | 884-83 | 1 | P | C2 | 04 FEB 85 | |
| 10 NOV 84 | 0225 | 1588.2 | 1.6 | 2 | 886-83 | 1 | S | C2 | 04 FEB 85 | |
| 17 NOV 84 | 0300 | 1584.9 | 2.3 | 2 | 890-83 | 1 | P | C2 | 04 FEB 85 | |
| 01 DEC 84 | 0149 | 1608.1 | 3.1 | 2 | 894-83 | 1 | P | C2 | 04 FEB 85 | + |
| 08 DEC 84 | 0251 | 1584.3 | | 1 | 896-83 | 1 | S | C2 | 12 APR 85 | |
| 22 DEC 84 | 0204 | 1591.7 | | 1 | 1656-82 | 1 | P | C2 | 16 JAN 85 | |
| 28 DEC 84 | 0330 | 1577.1 | -2.4 | 2 | 248-83 | 1 | S | C2 | 09 JAN 85 | |
| 29 DEC 84 | 0755 | 1576.2 | 8.8 | 3 | 900-83 | 1 | S | C2 | 16 APR 85 | |
| 30 DEC 84 | 2130 | 1575.6 | -3.8 | 2 | 741-82 | 1 | S | C2 | 16 JAN 85 | |
| 30 DEC 84 | 2130 | 1573.3 | -3.4 | 2 | 742-82 | 1 | S | C2 | 16 JAN 85 | |

South Pole, Antarctica (SPO)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 30 DEC 84 | 2140 | 1575.7 | 4.7 | 2 | 709-83 | 1 | P | C2 | 16 JAN 85 | |
| 05 JAN 85 | 0315 | 1572.1 | 3.1 | 2 | 902-83 | 1 | P | C2 | 16 APR 85 | |
| 12 JAN 85 | 0230 | 1571.4 | .8 | 2 | 904-83 | 1 | S | C2 | 16 APR 85 | |
| 19 JAN 85 | 0750 | 1570.4 | -.7 | 2 | 906-83 | 1 | S | C2 | 12 APR 85 | |
| 02 FEB 85 | 0750 | 1569.4 | -2.1 | 2 | 734-81 | 1 | S | C2 | 25 MAR 85 | |
| 22 FEB 85 | 2341 | 1572.9 | .3 | 2 | 2-85 | 1 | S | C4 | 05 FEB 86 | |
| 02 MAR 85 | 0046 | 1568.4 | 1.7 | 2 | 4-85 | 1 | S | C4 | 05 FEB 86 | |
| 09 MAR 85 | 0136 | 1566.7 | -.6 | 2 | 6-85 | 1 | S | C4 | 05 FEB 86 | |
| 15 MAR 85 | 0650 | 1569.9 | 12.5 | 3 | 8-85 | 1 | S | C4 | 05 FEB 86 | |
| 22 MAR 85 | 2150 | 1565.1 | -.1 | 2 | 10-85 | 1 | S | C4 | 11 FEB 86 | |
| 29 MAR 85 | 2253 | 1564.8 | | 1 | 12-85 | 1 | S | C4 | 05 FEB 86 | |
| 13 APR 85 | 0154 | 1570.9 | 1.7 | 2 | 16-85 | 1 | S | C4 | 05 FEB 86 | |
| 26 APR 85 | 1950 | 1574.9 | -1.5 | 2 | 20-85 | 1 | S | C4 | 05 FEB 86 | |
| 10 MAY 85 | 2148 | 1580.7 | 1.7 | 2 | 24-85 | 1 | S | C4 | 05 FEB 86 | |
| 24 MAY 85 | 2251 | 1577.9 | -6.5 | 2 | 28-85 | 1 | S | C4 | 05 FEB 86 | |
| 01 JUN 85 | 0450 | 1580.1 | 7.7 | 2 | 30-85 | 1 | S | C4 | 05 FEB 86 | |
| 29 JUN 85 | 0750 | 1590.7 | -1.3 | 2 | 38-85 | 1 | S | C4 | 04 FEB 86 | |
| 12 JUL 85 | 2150 | 1592.4 | 4.0 | 2 | 42-85 | 1 | S | C4 | 05 FEB 86 | |
| 26 JUL 85 | 1650 | 1596.3 | 4.4 | 2 | 46-85 | 1 | S | C4 | 04 FEB 86 | |
| 09 AUG 85 | 2150 | 1600.6 | 6.4 | 2 | 50-85 | 1 | S | C4 | 04 FEB 86 | |
| 23 AUG 85 | 2150 | 1601.1 | -3.2 | 2 | 54-85 | 1 | S | C4 | 04 FEB 86 | |
| 13 SEP 85 | 2140 | 1604.5 | 4.8 | 2 | 60-85 | 1 | S | C4 | 26 MAR 86 | |
| 20 SEP 85 | 2050 | 1604.3 | 1.1 | 2 | 62-85 | 1 | S | C4 | 26 MAR 86 | |
| 27 SEP 85 | 1950 | 1603.6 | -.6 | 2 | 64-85 | 1 | S | C4 | 26 MAR 86 | |
| 04 OCT 85 | 2050 | 1603.0 | -3.6 | 2 | 66-85 | 1 | S | C4 | 26 MAR 86 | |
| 11 OCT 85 | 2206 | 1607.2 | 4.9 | 2 | 68-85 | 1 | S | C4 | 26 MAR 86 | |
| 25 OCT 85 | 2253 | 1602.6 | 3.8 | 2 | 72-85 | 1 | S | C4 | 01 APR 86 | |
| 02 NOV 85 | 0206 | 1602.7 | 4.6 | 2 | 74-85 | 1 | S | C4 | 26 MAR 86 | |
| 16 NOV 85 | 0332 | 1599.3 | | 1 | 1318-82 | 1 | S | C3 | 13 DEC 85 | |
| 30 NOV 85 | 0955 | 1595.1 | | 1 | 76-85 | 1 | S | C4 | 26 MAR 86 | |
| 07 DEC 85 | 0330 | 1596.0 | .2 | 2 | 78-85 | 1 | S | C4 | 26 MAR 86 | |
| 12 DEC 85 | 0340 | 1596.0 | -4.0 | 2 | 79-85 | 1 | P | C4 | 22 APR 86 | |
| 14 DEC 85 | 0857 | 1583.5 | -1.3 | 2 | 82-85 | 1 | S | C4 | 26 MAR 86 | |
| 21 DEC 85 | 0725 | 1591.4 | 6.1 | 2 | 84-85 | 1 | S | C4 | 26 MAR 86 | |
| 21 DEC 85 | 0752 | 1584.3 | -3.6 | 2 | 86-85 | 1 | P | C4 | 14 APR 86 | |

Station M (STM)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 29 APR 83 | 1903 | 1678.5 | -11.0 | 2 | 428-82 | 1 | P | C1 | 06 JUN 83 | |
| 04 MAY 83 | 1805 | 1669.0 | 18.0 | 2 | 146-83 | 1 | P | C1 | 06 JUN 83 | |
| 14 MAY 83 | 1059 | 1694.5 | 3.0 | 2 | 442-82 | 1 | P | C1 | 06 JUN 83 | |
| 21 MAY 83 | 0800 | 1692.5 | 17.0 | 2 | 262-83 | 1 | P | C1 | 05 JUL 83 | |
| 28 MAY 83 | 0800 | 1688.5 | -1.0 | 2 | 268-83 | 1 | P | C1 | 28 JUN 83 | |
| 04 JUN 83 | 0800 | 1667.0 | 8.0 | 2 | 260-83 | 1 | P | C1 | 05 JUL 83 | |
| 12 JUN 83 | 1545 | 1680.0 | -2.0 | 2 | 256-83 | 1 | P | C1 | 05 JUL 83 | |
| 19 JUN 83 | 1110 | 1689.5 | 7.0 | 2 | 2002-82 | 7 | P | C1 | 26 JUL 83 | |
| 26 JUN 83 | 1115 | 1690.0 | -12.0 | 2 | 1798-82 | 1 | P | C1 | 28 JUL 83 | |
| 03 JUL 83 | 1105 | 1694.5 | -3.0 | 2 | 1794-82 | 1 | P | C1 | 28 JUL 83 | |
| 09 JUL 83 | 1100 | 1701.0 | 4.0 | 2 | 1792-82 | 1 | P | C1 | 28 JUL 83 | |
| 17 JUL 83 | 1900 | 1638.0 | 6.0 | 2 | 1762-82 | 1 | P | C1 | 01 SEP 83 | |
| 23 JUL 83 | 0745 | 1656.5 | 5.0 | 2 | 36-83 | 1 | P | C1 | 01 SEP 83 | |
| 30 JUL 83 | 0715 | 1656.0 | 0.0 | 2 | 78-82 | 1 | P | C1 | 01 SEP 83 | |
| 05 AUG 83 | 1800 | 1658.5 | -5.0 | 2 | 1000-82 | 1 | P | C1 | 01 SEP 83 | |
| 16 AUG 83 | 0745 | 1673.0 | 12.0 | 2 | 744-82 | 1 | P | C1 | 15 SEP 83 | |
| 23 AUG 83 | 0850 | 1675.5 | -5.0 | 2 | 870-81 | 1 | P | C1 | 15 SEP 83 | |
| 01 SEP 83 | 0910 | 1788.4 | -3.0 | 2 | 1814-82 | 1 | P | C1 | 15 SEP 83 | + |
| 05 SEP 83 | 0545 | 1696.5 | -3.0 | 2 | 804-82 | 1 | P | C1 | 15 SEP 83 | |
| 11 SEP 83 | 0645 | 1704.5 | -1.0 | 2 | 934-81 | 1 | P | C2 | 01 JUN 84 | |
| 17 SEP 83 | 0745 | 1714.0 | 0.0 | 2 | 1554-82 | 1 | P | C2 | 02 FEB 84 | |
| 23 SEP 83 | 1530 | 1694.0 | 4.0 | 2 | 160-83 | 1 | P | C2 | 01 FEB 84 | |
| 30 SEP 83 | 0815 | 1701.0 | -4.0 | 2 | 716-83 | 1 | P | C2 | 31 JAN 84 | |
| 13 OCT 83 | 0715 | 1723.5 | 1.0 | 2 | 1048-82 | 1 | P | C2 | 13 DEC 83 | |
| 21 OCT 83 | 0730 | 1691.0 | 6.0 | 2 | 1572-82 | 1 | P | C2 | 13 DEC 83 | |
| 27 OCT 83 | 1315 | 1704.0 | 6.0 | 2 | 226-83 | 1 | P | C2 | 13 DEC 83 | |
| 31 OCT 83 | 2110 | 1688.5 | 1.0 | 2 | 1562-82 | 1 | P | C2 | 13 DEC 83 | |
| 08 NOV 83 | 0800 | 1709.0 | 0.0 | 2 | 776-83 | 1 | P | C2 | 04 JAN 84 | |
| 15 NOV 83 | 1000 | 1702.5 | 5.0 | 2 | 1542-82 | 1 | P | C2 | 04 JAN 84 | |
| 21 NOV 83 | 0900 | 1720.5 | -3.0 | 2 | 798-81 | 1 | P | C2 | 04 JAN 84 | |
| 27 NOV 83 | 0900 | 1722.5 | 5.0 | 2 | 538-82 | 1 | P | C2 | 04 JAN 84 | |
| 05 DEC 83 | 0945 | 1698.0 | 0.0 | 2 | 364-82 | 1 | P | C2 | 18 JAN 84 | |
| 14 DEC 83 | 1220 | 1700.0 | 2.0 | 2 | 268-82 | 1 | P | C2 | 18 JAN 84 | |
| 19 DEC 83 | 1600 | 1716.0 | 2.0 | 2 | 814-83 | 1 | P | C2 | 18 JAN 84 | |
| 26 DEC 83 | 1125 | 1708.5 | 1.0 | 2 | 726-83 | 1 | P | C2 | 18 JAN 84 | |
| 05 JAN 84 | 1345 | 1717.5 | -1.0 | 2 | 940-83 | 1 | P | C2 | 17 FEB 84 | |
| 11 JAN 84 | 1420 | 1697.5 | 1.0 | 2 | 944-83 | 1 | P | C2 | 04 MAR 84 | |
| 18 JAN 84 | 1320 | 1712.5 | -9.0 | 2 | 1540-82 | 1 | P | C2 | 04 MAR 84 | |
| 24 JAN 84 | 1600 | 1718.0 | | 1 | 1524-82 | 1 | P | C2 | 04 MAR 84 | |
| 04 FEB 84 | 0830 | 1707.0 | -4.0 | 2 | 1698-82 | 1 | P | C2 | 08 MAR 84 | |
| 11 FEB 84 | 0845 | 1700.0 | 2.0 | 2 | 624-83 | 1 | P | C2 | 08 MAR 84 | |
| 18 FEB 84 | 0830 | 1701.0 | 0.0 | 2 | 1704-82 | 1 | P | C2 | 08 MAR 84 | |
| 25 FEB 84 | 0830 | 1679.0 | -4.0 | 2 | 234-83 | 1 | P | C2 | 08 MAR 84 | |
| 04 MAR 84 | 0915 | 1709.6 | 11.0 | 3 | 814-82 | 1 | P | C2 | 04 APR 84 | |
| 10 MAR 84 | 0920 | 1722.5 | 7.0 | 2 | 962-81 | 1 | P | C2 | 04 APR 84 | |
| 18 MAR 84 | 0920 | 1705.0 | | 1 | 54-83 | 1 | P | C2 | 03 APR 84 | |
| 18 MAR 84 | 0921 | 1704.5 | -5.0 | 2 | 54-83 | 1 | P | C2 | 04 APR 84 | |
| 24 MAR 84 | 0800 | 1726.5 | 3.0 | 2 | 1006-82 | 1 | P | C2 | 04 APR 84 | |
| 08 APR 84 | 1335 | 1733.0 | -2.0 | 2 | 970-83 | 1 | P | C2 | 02 MAY 84 | |
| 14 APR 84 | 1540 | 1699.0 | 4.0 | 2 | 960-83 | 1 | P | C2 | 02 MAY 84 | |
| 22 APR 84 | 1550 | 1705.0 | -2.0 | 2 | 964-83 | 1 | P | C2 | 02 MAY 84 | |
| 28 APR 84 | 1345 | 1709.5 | 3.0 | 2 | 1602-82 | 1 | P | C2 | 01 JUN 84 | |
| 06 MAY 84 | 1910 | 1702.5 | 5.0 | 2 | 1664-82 | 1 | P | C2 | 01 JUN 84 | |
| 13 MAY 84 | 1320 | 1699.6 | -9.0 | 3 | 1604-82 | 1 | P | C2 | 01 JUN 84 | |
| 19 MAY 84 | 1315 | 1698.5 | 3.0 | 2 | 1494-82 | 1 | P | C2 | 01 JUN 84 | |
| 27 MAY 84 | 1445 | 1699.0 | 0.0 | 2 | 166-83 | 1 | P | C2 | 11 JUL 84 | |
| 03 JUN 84 | 1510 | 1741.5 | 3.0 | 2 | 998-81 | 1 | P | C2 | 11 JUL 84 | |
| 10 JUN 84 | 0930 | 1691.5 | -3.0 | 2 | 378-82 | 1 | P | C2 | 12 JUL 84 | |
| 17 JUN 84 | 0805 | 1685.0 | 2.0 | 2 | 266-83 | 1 | P | C2 | 12 JUL 84 | |
| 24 JUN 84 | 1325 | 1688.0 | 4.0 | 2 | 1578-82 | 1 | P | C2 | 28 SEP 84 | |
| 08 JUL 84 | 1310 | 1672.5 | 1.0 | 2 | 296-82 | 1 | P | C2 | 28 SEP 84 | |
| 14 JUL 84 | 0915 | 1685.0 | -4.0 | 2 | 252-83 | 1 | P | C2 | 28 SEP 84 | |
| 21 JUL 84 | 0915 | 1677.0 | 0.0 | 2 | 1298-82 | 1 | P | C2 | 28 SEP 84 | |
| 28 JUL 84 | 0750 | 1670.0 | -2.0 | 2 | 1328-82 | 1 | P | C2 | 28 SEP 84 | |

Station M (STM)

| Sample Date (GMT) | Sample Time (GMT) | Mean CH4 Conc (ppb) | 1st-2nd Aliquot (ppb) | # of Aliquots | Flask I.D. | Flask Type | Collection Method | Analysis G.C. | Analysis Date | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| 04 AUG 84 | 9999 | 1687.5 | 1.0 | 2 | 1338-82 | 1 | P | C2 | 28 SEP 84 | |
| 12 AUG 84 | 0820 | 1688.0 | 9.0 | 3 | 1388-82 | 1 | P | C2 | 28 SEP 84 | |
| 20 AUG 84 | 1320 | 1678.1 | -.8 | 2 | 984-81 | 1 | P | C2 | 16 OCT 84 | |
| 27 AUG 84 | 1315 | 1688.0 | 2.0 | 2 | 748-83 | 1 | P | C2 | 28 SEP 84 | |
| 03 SEP 84 | 0920 | 1695.0 | -2.0 | 2 | 614-83 | 1 | P | C2 | 28 SEP 84 | |
| 10 SEP 84 | 1315 | 1706.7 | -.4 | 2 | 1662-82 | 1 | P | C2 | 16 OCT 84 | |
| 18 SEP 84 | 0945 | 1751.5 | 2.6 | 2 | 1740-82 | 1 | P | C2 | 07 NOV 84 | |
| 24 SEP 84 | 0755 | 1739.4 | .6 | 2 | 278-82 | 1 | P | C2 | 02 NOV 84 | |
| 29 SEP 84 | 0755 | 1755.6 | .7 | 2 | 982-81 | 1 | P | C2 | 14 NOV 84 | |
| 24 OCT 84 | 1120 | 1720.3 | -.6 | 2 | 932-83 | 1 | P | C2 | 23 NOV 84 | |
| 01 NOV 84 | 1330 | 1709.4 | -1.0 | 2 | 962-83 | 1 | P | C2 | 23 NOV 84 | |
| 08 NOV 84 | 0945 | 1727.6 | -.4 | 2 | 824-83 | 1 | P | C2 | 23 NOV 84 | |
| 15 NOV 84 | 0940 | 1708.1 | -.2 | 2 | 1798-82 | 1 | P | C2 | 18 DEC 84 | |
| 21 NOV 84 | 0830 | 1711.8 | -.3 | 2 | 1660-82 | 1 | P | C2 | 18 DEC 84 | |
| 26 NOV 84 | 0920 | 1723.2 | 0.0 | 2 | 1664-82 | 1 | P | C2 | 18 DEC 84 | |
| 02 DEC 84 | 0830 | 1717.0 | .5 | 2 | 200-83 | 1 | P | C2 | 18 DEC 84 | |
| 08 DEC 84 | 0945 | 1708.1 | -.2 | 2 | 798-82 | 1 | P | C2 | 16 JAN 85 | |
| 15 DEC 84 | 1135 | 1715.4 | 1.3 | 2 | 1408-82 | 1 | P | C2 | 16 JAN 85 | |
| 21 DEC 84 | 1125 | 1720.6 | -4.6 | 2 | 968-83 | 1 | P | C2 | 16 JAN 85 | |
| 26 DEC 84 | 1340 | 1786.8 | 1.0 | 2 | 1534-82 | 1 | P | C2 | 16 JAN 85 | |
| 03 JAN 85 | 0945 | 1723.3 | 0.0 | 2 | 1048-82 | 1 | P | C2 | 14 FEB 85 | |
| 10 JAN 85 | 0930 | 1701.7 | 1.3 | 2 | 388-82 | 1 | P | C2 | 20 FEB 85 | |
| 17 JAN 85 | 0945 | 1726.9 | -1.3 | 2 | 730-82 | 1 | P | C2 | 20 FEB 85 | |
| 23 JAN 85 | 0940 | 1763.2 | -5.1 | 2 | 1336-82 | 1 | P | C2 | 14 FEB 85 | |
| 29 JAN 85 | 1210 | 1763.4 | -.1 | 3 | 390-82 | 1 | P | C2 | 26 MAR 85 | |
| 08 FEB 85 | 1210 | 1742.5 | -4.7 | 2 | 1446-82 | 1 | P | C2 | 26 MAR 85 | |
| 14 FEB 85 | 1010 | 1719.2 | -1.8 | 2 | 976-82 | 1 | P | C2 | 26 MAR 85 | |
| 20 FEB 85 | 1445 | 1717.4 | 3.7 | 2 | 622-83 | 1 | P | C2 | 27 MAR 85 | |
| 27 FEB 85 | 1515 | 1711.1 | -.3 | 2 | 194-83 | 1 | P | C2 | 23 APR 85 | |
| 02 MAR 85 | 0940 | 1730.2 | 1.9 | 2 | 60-83 | 1 | P | C2 | 24 APR 85 | |
| 13 MAR 85 | 0950 | 1725.2 | 3.7 | 2 | 962-83 | 1 | P | C2 | 24 APR 85 | |
| 20 MAR 85 | 0915 | 1725.5 | -3.5 | 2 | 1564-82 | 1 | P | C2 | 24 APR 85 | |
| 30 MAR 85 | 0940 | 1762.4 | 2.5 | 2 | 908-83 | 1 | P | C2 | 17 MAY 85 | |
| 06 APR 85 | 1135 | 1752.0 | 1.1 | 2 | 880-83 | 1 | P | C2 | 17 MAY 85 | |
| 14 APR 85 | 1210 | 1733.8 | .7 | 2 | 840-82 | 1 | P | C2 | 17 MAY 85 | |
| 19 APR 85 | 1530 | 1732.5 | 0.0 | 2 | 1452-82 | 1 | P | C2 | 17 MAY 85 | |
| 28 APR 85 | 0755 | 1737.5 | | 1 | 824-83 | 1 | P | C2 | 30 MAY 85 | |
| 18 MAY 85 | 1400 | 1723.3 | -1.8 | 3 | 1790-82 | 1 | P | C2 | 30 MAY 85 | |
| 25 MAY 85 | 2030 | 1717.4 | | 1 | 1316-82 | 1 | P | C3 | 13 AUG 85 | |
| 03 JUN 85 | 0720 | 1712.9 | -1.1 | 2 | 826-83 | 1 | P | C3 | 13 AUG 85 | |
| 08 JUN 85 | 2115 | 1712.0 | 1.4 | 2 | 1728-82 | 1 | P | C3 | 12 AUG 85 | |
| 13 JUN 85 | 1110 | 1711.0 | -.8 | 2 | 966-83 | 1 | P | C3 | 12 AUG 85 | |
| 22 JUN 85 | 0940 | 1708.4 | .1 | 2 | 1676-82 | 1 | P | C3 | 12 AUG 85 | |
| 29 JUN 85 | 1454 | 1700.9 | -.5 | 2 | 1233-82 | 1 | P | C3 | 12 AUG 85 | |
| 06 JUL 85 | 0900 | 1710.4 | -.2 | 2 | 856-83 | 1 | P | C3 | 13 AUG 85 | |
| 13 JUL 85 | 1555 | 1694.6 | -3.4 | 2 | 902-83 | 1 | P | C3 | 12 AUG 85 | |
| 21 JUL 85 | 1325 | 1691.6 | -1.0 | 2 | 690-83 | 1 | P | C3 | 14 SEP 85 | |
| 28 JUL 85 | 1330 | 1695.3 | -1.4 | 2 | 156-82 | 1 | P | C3 | 14 SEP 85 | |
| 04 AUG 85 | 1315 | 1703.4 | .7 | 2 | 1154-82 | 1 | P | C3 | 14 SEP 85 | |
| 11 AUG 85 | 1415 | 1716.5 | 3.0 | 2 | 852-82 | 1 | P | C3 | 14 SEP 85 | |
| 18 AUG 85 | 0815 | 1701.4 | 3.7 | 2 | 1796-82 | 1 | P | C3 | 24 SEP 85 | |
| 24 AUG 85 | 0810 | 1710.9 | -.4 | 2 | 934-83 | 1 | P | C3 | 24 SEP 85 | |
| 31 AUG 85 | 0740 | 1706.4 | -.2 | 2 | 850-83 | 1 | P | C3 | 24 SEP 85 | |
| 07 SEP 85 | 0800 | 1710.4 | 4.1 | 2 | 484-82 | 1 | P | C3 | 24 SEP 85 | |
| 11 OCT 85 | 1455 | 1731.6 | 4.5 | 2 | 684-83 | 1 | P | C4 | 03 FEB 86 | |
| 18 OCT 85 | 1340 | 1733.1 | 1.8 | 2 | 120-84 | 1 | P | C4 | 03 FEB 86 | |
| 25 OCT 85 | 1445 | 1717.4 | -4.9 | 2 | 1630-82 | 1 | P | C4 | 03 FEB 86 | |
| 30 OCT 85 | 1600 | 1719.2 | 5.4 | 2 | 1304-82 | 1 | P | C4 | 03 FEB 86 | |
| 06 NOV 85 | 0900 | 1740.9 | 1.6 | 2 | 34-82 | 1 | P | C3 | 03 JAN 86 | |
| 13 NOV 85 | 1315 | 1720.1 | .3 | 2 | 942-83 | 1 | P | C3 | 03 JAN 86 | |
| 20 NOV 85 | 1315 | 1718.9 | 2.1 | 2 | 678-83 | 1 | P | C3 | 03 JAN 86 | |
| 04 DEC 85 | 0950 | 1751.5 | 7.5 | 2 | 894-83 | 1 | P | C4 | 04 FEB 86 | |
| 11 DEC 85 | 0945 | 1768.0 | -.7 | 2 | 882-82 | 1 | P | C4 | 12 FEB 86 | |
| 18 DEC 85 | 0930 | 1731.1 | 2.6 | 2 | 834-83 | 1 | P | C4 | 03 FEB 86 | |
| 25 DEC 85 | 0945 | 1742.0 | -1.2 | 2 | 36-83 | 1 | P | C4 | 04 FEB 86 | |

## Appendix B
## Tabulation of Monthly Average Methane Concentrations

In this appendix we present tabulations of monthly average methane concentrations for all of the network sites. The sites are ordered alphabetically by the 3-letter site code (see Table 1). The monthly averages are calculated as the arithmetic means of the individual, background, flask concentrations given in Appendix A.

When a flask sample was analyzed on more than one occasion, concentrations of all analyzed aliquots for that particular flask sample are averaged together to obtain a mean methane concentration. This mean value then represents an individual flask concentration. When both members of a flask pair were analyzed, all of the accepted aliquot concentrations from both flasks are averaged to obtain a mean methane concentration. If this flask pair sample is classified as background then this single value is used in the calculation of the monthly mean. If two pairs of flasks were sampled simultaneously (i.e. with two separate portable sampling units) the aliquots of all analyzed flasks are averaged and treated as a single sample in the calculation of the monthly average concentration. On rare occasions we have sampled with the flask pair made up of two different flask types. We refer to this as sampling with "mixed pairs". Both members from a "mixed pair" were usually analyzed. All accepted aliquots from both flasks of such a mixed pair are averaged together to obtain a single mean sample methane concentration for use in the calculation of the monthly average.

The number of flask samples used to calculate each monthly average and the sample standard deviation of the monthly average concentration also included in the tables. If only one background flask sample was taken at a site in any month, then the concentration of such a flask sample was taken as the monthly average and no entry was made for the standard deviation. For those months when no background flask samples were successfully collected at a particular site, the entry for the monthly average is simply left blank. Because these monthly values are based only on a few grab samples collected during the month, the standard deviation term that we include should not be interpreted as the uncertainty of the true monthly average concentration that would be obtained by a continuous measurement of methane during the entire month.

The monthly average concentrations are given to the nearest 0.1 ppb, again to retain enough significant digits for any further processing of the data. This is in contrast to the tabulations of monthly averages given in *Steele et al.* (1987) where the monthly concentrations were given to the nearest 1 ppb. For any interpretation of the data we would recommend the use of the values given in this report. In almost all cases there is agreement between the monthly values given here and in *Steele et al.* (1987). Any differences which do occur are very minor, and relate to the use of a slightly different number of flask samples to calculate the monthly average. For example, at the AVI site for MAR 85, *Steele et al.* (1987) give the monthly average as 1672 ppb, based on six flask samples, whereas in this report the corresponding value is 1673.6 ppb, based on five flask samples.

METHANE FLASK MONTHLY MEANS FOR ALT

| YEAR | MONTH | $CH_4$ (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | | | |
| 1983 | JUN | | | |
| 1983 | JUL | | | |
| 1983 | AUG | | | |
| 1983 | SEP | | | |
| 1983 | OCT | | | |
| 1983 | NOV | | | |
| 1983 | DEC | | | |
| 1984 | JAN | | | |
| 1984 | FEB | | | |
| 1984 | MAR | | | |
| 1984 | APR | | | |
| 1984 | MAY | | | |
| 1984 | JUN | | | |
| 1984 | JUL | | | |
| 1984 | AUG | | | |
| 1984 | SEP | | | |
| 1984 | OCT | | | |
| 1984 | NOV | | | |
| 1984 | DEC | | | |
| 1985 | JAN | | | |
| 1985 | FEB | | | |
| 1985 | MAR | | | |
| 1985 | APR | | | |
| 1985 | MAY | | | |
| 1985 | JUN | 1707.8 | .8 | 3 |
| 1985 | JUL | 1697.1 | 4.2 | 4 |
| 1985 | AUG | 1698.5 | | 1 |
| 1985 | SEP | 1720.6 | 12.6 | 4 |
| 1985 | OCT | 1731.1 | 22.1 | 4 |
| 1985 | NOV | 1750.8 | | 1 |
| 1985 | DEC | 1749.7 | 25.7 | 5 |

METHANE FLASK MONTHLY MEANS FOR AMS

| YEAR | MONTH | $CH_4$ (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | 1539.3 | 3.9 | 2 |
| 1983 | FEB | 1542.1 | 2.6 | 3 |
| 1983 | MAR | 1540.9 | 5.9 | 4 |
| 1983 | APR | 1547.4 | 4.4 | 3 |
| 1983 | MAY | 1553.4 | 5.7 | 3 |
| 1983 | JUN | 1563.9 | 3.1 | 4 |
| 1983 | JUL | 1569.6 | 2.7 | 4 |
| 1983 | AUG | 1576.3 | 4.7 | 4 |
| 1983 | SEP | 1577.4 | 2.8 | 3 |
| 1983 | OCT | 1577.2 | 1.6 | 3 |
| 1983 | NOV | 1578.0 | 1.8 | 3 |
| 1983 | DEC | 1568.1 | 3.1 | 3 |
| 1984 | JAN | 1559.2 | 2.0 | 4 |
| 1984 | FEB | 1560.7 | 2.9 | 4 |
| 1984 | MAR | 1562.6 | 2.6 | 4 |
| 1984 | APR | 1571.3 | 8.9 | 4 |
| 1984 | MAY | 1579.7 | 5.5 | 5 |
| 1984 | JUN | | | |
| 1984 | JUL | 1588.7 | 4.3 | 5 |
| 1984 | AUG | 1588.7 | .8 | 4 |
| 1984 | SEP | 1588.9 | 1.3 | 6 |
| 1984 | OCT | 1589.8 | 2.7 | 2 |
| 1984 | NOV | | | |
| 1984 | DEC | 1581.0 | | 1 |
| 1985 | JAN | | | |
| 1985 | FEB | | | |
| 1985 | MAR | 1566.3 | 4.0 | 2 |
| 1985 | APR | 1570.1 | | 1 |
| 1985 | MAY | 1588.8 | | 1 |
| 1985 | JUN | 1584.8 | | 1 |
| 1985 | JUL | 1594.1 | 2.9 | 2 |
| 1985 | AUG | 1603.6 | 3.6 | 3 |
| 1985 | SEP | 1610.7 | 4.8 | 2 |
| 1985 | OCT | 1600.1 | | 1 |
| 1985 | NOV | 1596.2 | | 1 |
| 1985 | DEC | | | |

METHANE FLASK MONTHLY MEANS FOR ASC

| YEAR | MONTH | $CH_4$ (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | 1575.6 | 4.3 | 3 |
| 1983 | JUN | 1586.0 | 1.3 | 3 |
| 1983 | JUL | 1588.2 | 3.2 | 3 |
| 1983 | AUG | 1584.0 | 5.6 | 4 |
| 1983 | SEP | 1586.7 | 9.7 | 5 |
| 1983 | OCT | 1585.6 | 5.7 | 4 |
| 1983 | NOV | 1577.2 | 2.7 | 4 |
| 1983 | DEC | 1575.4 | 4.0 | 5 |
| 1984 | JAN | 1573.6 | 9.1 | 4 |
| 1984 | FEB | 1568.4 | 7.6 | 4 |
| 1984 | MAR | 1576.0 | 5.8 | 5 |
| 1984 | APR | 1586.2 | 5.2 | 4 |
| 1984 | MAY | 1591.5 | 2.0 | 3 |
| 1984 | JUN | 1595.0 | 6.5 | 4 |
| 1984 | JUL | 1600.5 | 3.9 | 4 |
| 1984 | AUG | 1601.5 | 3.1 | 5 |
| 1984 | SEP | 1599.3 | 4.4 | 4 |
| 1984 | OCT | 1593.9 | 3.4 | 4 |
| 1984 | NOV | 1587.8 | 4.1 | 5 |
| 1984 | DEC | 1593.6 | 10.2 | 4 |
| 1985 | JAN | 1583.5 | 3.6 | 5 |
| 1985 | FEB | 1583.4 | 7.1 | 4 |
| 1985 | MAR | 1592.1 | 8.2 | 4 |
| 1985 | APR | 1599.6 | 2.1 | 4 |
| 1985 | MAY | 1599.4 | 3.6 | 5 |
| 1985 | JUN | 1612.4 | 4.3 | 4 |
| 1985 | JUL | 1608.9 | 3.3 | 4 |
| 1985 | AUG | 1613.9 | 10.6 | 4 |
| 1985 | SEP | 1616.0 | 2.8 | 4 |
| 1985 | OCT | 1607.9 | 2.7 | 4 |
| 1985 | NOV | 1602.3 | 5.5 | 4 |
| 1985 | DEC | 1603.0 | 7.7 | 3 |

METHANE FLASK MONTHLY MEANS FOR AVI

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | 1609.9 | 7.1 | 3 |
| 1983 | JUN | 1628.0 | 10.5 | 4 |
| 1983 | JUL | 1632.5 | 24.9 | 5 |
| 1983 | AUG | 1637.4 | 22.4 | 4 |
| 1983 | SEP | 1645.5 | 31.4 | 4 |
| 1983 | OCT | 1652.5 | 7.1 | 2 |
| 1983 | NOV | | | |
| 1983 | DEC | 1654.5 | 12.7 | 2 |
| 1984 | JAN | 1653.6 | 7.0 | 4 |
| 1984 | FEB | 1654.5 | 19.5 | 3 |
| 1984 | MAR | 1643.8 | 7.7 | 3 |
| 1984 | APR | 1653.5 | 21.8 | 3 |
| 1984 | MAY | 1656.5 | 6.4 | 4 |
| 1984 | JUN | 1635.0 | 6.2 | 3 |
| 1984 | JUL | 1643.5 | 8.5 | 3 |
| 1984 | AUG | 1646.8 | 8.1 | 4 |
| 1984 | SEP | 1643.4 | 4.6 | 4 |
| 1984 | OCT | 1643.4 | 6.3 | 4 |
| 1984 | NOV | 1660.0 | 17.8 | 5 |
| 1984 | DEC | 1684.1 | 14.6 | 5 |
| 1985 | JAN | 1669.2 | 16.1 | 4 |
| 1985 | FEB | 1665.9 | 17.7 | 4 |
| 1985 | MAR | 1673.6 | 16.1 | 5 |
| 1985 | APR | 1672.1 | 11.7 | 3 |
| 1985 | MAY | 1661.1 | 7.8 | 5 |
| 1985 | JUN | 1656.2 | 11.1 | 2 |
| 1985 | JUL | 1647.9 | 5.3 | 3 |
| 1985 | AUG | 1657.8 | 16.6 | 3 |
| 1985 | SEP | 1654.8 | 13.8 | 4 |
| 1985 | OCT | 1676.2 | 19.0 | 3 |
| 1985 | NOV | 1685.0 | 21.0 | 5 |
| 1985 | DEC | 1695.5 | 12.4 | 4 |

METHANE FLASK MONTHLY MEANS FOR AZR

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | 1678.0 | 4.9 | 2 |
| 1983 | JUN | 1672.0 | | 1 |
| 1983 | JUL | 1652.5 | 17.7 | 2 |
| 1983 | AUG | 1651.3 | 30.0 | 2 |
| 1983 | SEP | 1670.0 | 6.6 | 3 |
| 1983 | OCT | 1679.5 | 12.1 | 3 |
| 1983 | NOV | 1675.0 | 24.0 | 2 |
| 1983 | DEC | 1673.5 | | 1 |
| 1984 | JAN | 1689.9 | 17.7 | 3 |
| 1984 | FEB | 1699.2 | 41.3 | 2 |
| 1984 | MAR | 1689.1 | 4.7 | 3 |
| 1984 | APR | 1695.0 | | 1 |
| 1984 | MAY | 1689.0 | 13.5 | 3 |
| 1984 | JUN | 1681.5 | 12.0 | 2 |
| 1984 | JUL | 1649.8 | 23.7 | 2 |
| 1984 | AUG | | | |
| 1984 | SEP | 1689.1 | 16.5 | 2 |
| 1984 | OCT | 1685.7 | 14.5 | 3 |
| 1984 | NOV | 1726.5 | | 1 |
| 1984 | DEC | 1711.5 | 8.9 | 3 |
| 1985 | JAN | 1682.7 | | 1 |
| 1985 | FEB | 1713.4 | | 1 |
| 1985 | MAR | 1703.2 | 8.0 | 2 |
| 1985 | APR | 1711.7 | 3.3 | 2 |
| 1985 | MAY | 1718.1 | 17.7 | 3 |
| 1985 | JUN | 1689.4 | | 1 |
| 1985 | JUL | 1683.9 | 27.1 | 3 |
| 1985 | AUG | | | |
| 1985 | SEP | 1698.9 | 18.2 | 2 |
| 1985 | OCT | 1719.9 | 1.9 | 2 |
| 1985 | NOV | 1690.2 | | 1 |
| 1985 | DEC | 1713.9 | 2.1 | 2 |

METHANE FLASK MONTHLY MEANS FOR BRW

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | 1699.2 | 2.5 | 2 |
| 1983 | MAY | 1676.4 | 10.2 | 4 |
| 1983 | JUN | 1682.1 | 14.5 | 4 |
| 1983 | JUL | 1678.4 | 10.9 | 4 |
| 1983 | AUG | 1686.9 | 27.7 | 2 |
| 1983 | SEP | 1707.0 | 17.7 | 4 |
| 1983 | OCT | 1727.5 | 22.0 | 3 |
| 1983 | NOV | 1710.8 | 8.7 | 5 |
| 1983 | DEC | 1709.1 | 13.7 | 4 |
| 1984 | JAN | 1734.7 | 25.5 | 4 |
| 1984 | FEB | 1759.9 | 27.4 | 5 |
| 1984 | MAR | 1728.7 | 7.3 | 4 |
| 1984 | APR | 1716.9 | 6.0 | 5 |
| 1984 | MAY | 1711.9 | 5.7 | 15 |
| 1984 | JUN | 1700.3 | 11.2 | 4 |
| 1984 | JUL | 1704.4 | 21.8 | 5 |
| 1984 | AUG | 1708.3 | 10.2 | 4 |
| 1984 | SEP | 1728.6 | 29.3 | 3 |
| 1984 | OCT | 1732.1 | 17.0 | 5 |
| 1984 | NOV | 1721.4 | 2.7 | 4 |
| 1984 | DEC | 1739.3 | 20.7 | 4 |
| 1985 | JAN | 1741.6 | 13.2 | 5 |
| 1985 | FEB | 1738.9 | 19.8 | 2 |
| 1985 | MAR | 1739.7 | 10.8 | 4 |
| 1985 | APR | 1750.7 | 20.4 | 7 |
| 1985 | MAY | 1733.8 | 13.1 | 5 |
| 1985 | JUN | 1711.7 | 5.0 | 4 |
| 1985 | JUL | 1692.4 | 4.6 | 4 |
| 1985 | AUG | 1708.5 | 9.6 | 4 |
| 1985 | SEP | 1721.7 | 10.2 | 5 |
| 1985 | OCT | 1757.3 | 30.0 | 3 |
| 1985 | NOV | 1753.0 | 15.8 | 3 |
| 1985 | DEC | 1746.2 | 15.2 | 4 |

METHANE FLASK MONTHLY MEANS FOR CBA

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | 1681.7 | 1.1 | 2 |
| 1983 | JUN | 1677.5 | 2.1 | 2 |
| 1983 | JUL | 1662.0 | | 1 |
| 1983 | AUG | 1664.5 | | 1 |
| 1983 | SEP | 1704.0 | 9.9 | 2 |
| 1983 | OCT | 1714.7 | 29.3 | 2 |
| 1983 | NOV | 1704.5 | 8.5 | 2 |
| 1983 | DEC | 1697.8 | 13.7 | 3 |
| 1984 | JAN | 1709.5 | 17.6 | 4 |
| 1984 | FEB | 1722.3 | 5.0 | 3 |
| 1984 | MAR | 1725.0 | 42.9 | 3 |
| 1984 | APR | 1712.5 | | 1 |
| 1984 | MAY | 1702.7 | 8.9 | 4 |
| 1984 | JUN | 1686.6 | 2.1 | 3 |
| 1984 | JUL | 1676.7 | 3.2 | 2 |
| 1984 | AUG | 1690.6 | 26.0 | 5 |
| 1984 | SEP | 1706.5 | 8.8 | 3 |
| 1984 | OCT | 1717.2 | 12.7 | 5 |
| 1984 | NOV | 1716.7 | 5.1 | 4 |
| 1984 | DEC | 1717.7 | 18.8 | 4 |
| 1985 | JAN | 1717.1 | 8.9 | 4 |
| 1985 | FEB | 1733.4 | 11.3 | 4 |
| 1985 | MAR | 1730.3 | 7.1 | 4 |
| 1985 | APR | 1734.2 | 5.1 | 5 |
| 1985 | MAY | 1723.5 | 5.0 | 5 |
| 1985 | JUN | 1715.8 | 15.8 | 4 |
| 1985 | JUL | 1695.0 | 6.6 | 4 |
| 1985 | AUG | 1701.9 | 13.5 | 4 |
| 1985 | SEP | 1733.4 | 8.2 | 4 |
| 1985 | OCT | 1729.4 | 7.6 | 5 |
| 1985 | NOV | 1724.4 | 7.5 | 4 |
| 1985 | DEC | 1724.5 | 6.9 | 4 |

METHANE FLASK MONTHLY MEANS FOR CGO

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | | | |
| 1983 | JUN | | | |
| 1983 | JUL | | | |
| 1983 | AUG | | | |
| 1983 | SEP | | | |
| 1983 | OCT | | | |
| 1983 | NOV | | | |
| 1983 | DEC | | | |
| 1984 | JAN | | | |
| 1984 | FEB | | | |
| 1984 | MAR | | | |
| 1984 | APR | 1566.9 | 1.3 | 4 |
| 1984 | MAY | 1570.3 | 5.6 | 4 |
| 1984 | JUN | 1579.5 | 4.9 | 2 |
| 1984 | JUL | 1588.8 | 4.6 | 4 |
| 1984 | AUG | 1591.8 | 1.8 | 2 |
| 1984 | SEP | 1591.1 | 1.4 | 6 |
| 1984 | OCT | 1594.0 | .7 | 2 |
| 1984 | NOV | 1585.9 | 2.1 | 6 |
| 1984 | DEC | 1579.7 | 4.5 | 3 |
| 1985 | JAN | 1573.2 | 4.0 | 5 |
| 1985 | FEB | 1567.5 | 1.0 | 5 |
| 1985 | MAR | 1570.9 | 2.6 | 2 |
| 1985 | APR | 1574.6 | 1.1 | 2 |
| 1985 | MAY | 1584.2 | 1.9 | 2 |
| 1985 | JUN | 1591.1 | 2.1 | 5 |
| 1985 | JUL | 1597.4 | 1.2 | 4 |
| 1985 | AUG | 1601.3 | 1.5 | 4 |
| 1985 | SEP | 1604.4 | 1.7 | 8 |
| 1985 | OCT | 1603.8 | .8 | 6 |
| 1985 | NOV | 1597.6 | 3.1 | 4 |
| 1985 | DEC | 1590.6 | 2.5 | 5 |

METHANE FLASK MONTHLY MEANS FOR CHR

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | | | |
| 1983 | JUN | | | |
| 1983 | JUL | | | |
| 1983 | AUG | | | |
| 1983 | SEP | | | |
| 1983 | OCT | | | |
| 1983 | NOV | | | |
| 1983 | DEC | | | |
| 1984 | JAN | | | |
| 1984 | FEB | | | |
| 1984 | MAR | 1630.3 | 2.4 | 4 |
| 1984 | APR | 1633.0 | 6.1 | 3 |
| 1984 | MAY | 1619.4 | 19.8 | 4 |
| 1984 | JUN | 1598.1 | 3.8 | 6 |
| 1984 | JUL | 1595.9 | 7.2 | 5 |
| 1984 | AUG | 1599.3 | 5.1 | 6 |
| 1984 | SEP | 1594.0 | 3.6 | 3 |
| 1984 | OCT | 1602.6 | 2.9 | 4 |
| 1984 | NOV | 1595.7 | .5 | 3 |
| 1984 | DEC | 1611.1 | 6.5 | 2 |
| 1985 | JAN | 1621.6 | 9.2 | 4 |
| 1985 | FEB | 1611.5 | 1.0 | 2 |
| 1985 | MAR | 1628.8 | 13.8 | 5 |
| 1985 | APR | 1622.7 | 4.0 | 3 |
| 1985 | MAY | 1611.8 | 5.0 | 4 |
| 1985 | JUN | 1614.5 | 8.3 | 2 |
| 1985 | JUL | 1605.7 | 5.5 | 2 |
| 1985 | AUG | 1609.9 | .6 | 2 |
| 1985 | SEP | 1611.1 | 1.8 | 4 |
| 1985 | OCT | 1616.2 | 4.4 | 3 |
| 1985 | NOV | 1611.6 | 5.1 | 3 |
| 1985 | DEC | 1616.6 | 3.9 | 2 |

METHANE FLASK MONTHLY MEANS FOR CMO

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | 1666.4 | 39.9 | 4 |
| 1983 | JUN | 1663.2 | 9.9 | 4 |
| 1983 | JUL | 1657.4 | 13.3 | 4 |
| 1983 | AUG | 1659.7 | 27.6 | 4 |
| 1983 | SEP | 1677.7 | 12.2 | 4 |
| 1983 | OCT | 1696.1 | 17.3 | 3 |
| 1983 | NOV | 1689.7 | 11.1 | 5 |
| 1983 | DEC | 1703.5 | 13.4 | 2 |
| 1984 | JAN | 1646.0 | | 1 |
| 1984 | FEB | 1699.3 | 14.7 | 4 |
| 1984 | MAR | 1698.9 | 19.2 | 5 |
| 1984 | APR | 1707.8 | 16.0 | 3 |
| 1984 | MAY | 1694.5 | 8.9 | 5 |
| 1984 | JUN | 1683.7 | 1.8 | 4 |
| 1984 | JUL | 1678.0 | 15.6 | 3 |
| 1984 | AUG | 1665.3 | 20.4 | 5 |
| 1984 | SEP | 1709.3 | 14.4 | 4 |
| 1984 | OCT | 1730.9 | 23.4 | 3 |
| 1984 | NOV | 1712.3 | 14.4 | 3 |
| 1984 | DEC | 1724.8 | | 1 |
| 1985 | JAN | 1715.1 | 14.6 | 5 |
| 1985 | FEB | 1681.4 | 7.1 | 2 |
| 1985 | MAR | 1730.5 | 1.2 | 2 |
| 1985 | APR | 1726.7 | 12.0 | 3 |
| 1985 | MAY | 1708.5 | 14.1 | 4 |
| 1985 | JUN | | | |
| 1985 | JUL | 1671.0 | 18.9 | 2 |
| 1985 | AUG | 1688.1 | 28.9 | 5 |
| 1985 | SEP | 1709.3 | 25.3 | 4 |
| 1985 | OCT | 1719.3 | 17.7 | 4 |
| 1985 | NOV | 1722.3 | 7.6 | 3 |
| 1985 | DEC | 1719.5 | 4.1 | 2 |

METHANE FLASK MONTHLY MEANS FOR GMI

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | 1618.9 | 20.4 | 5 |
| 1983 | JUN | 1622.8 | 11.3 | 4 |
| 1983 | JUL | 1604.7 | 36.8 | 4 |
| 1983 | AUG | 1587.8 | 8.0 | 4 |
| 1983 | SEP | 1610.2 | 17.9 | 4 |
| 1983 | OCT | 1624.3 | 13.9 | 5 |
| 1983 | NOV | 1636.5 | 8.5 | 4 |
| 1983 | DEC | 1629.2 | 19.6 | 3 |
| 1984 | JAN | 1627.1 | 21.5 | 5 |
| 1984 | FEB | 1635.0 | 16.1 | 3 |
| 1984 | MAR | 1630.4 | 17.9 | 5 |
| 1984 | APR | 1624.8 | 11.5 | 4 |
| 1984 | MAY | 1624.1 | 12.0 | 4 |
| 1984 | JUN | 1614.5 | 5.0 | 4 |
| 1984 | JUL | 1611.7 | 7.4 | 5 |
| 1984 | AUG | 1601.9 | 5.3 | 3 |
| 1984 | SEP | 1612.5 | 12.6 | 4 |
| 1984 | OCT | 1630.9 | 9.9 | 4 |
| 1984 | NOV | 1618.9 | 19.5 | 3 |
| 1984 | DEC | 1661.1 | 5.8 | 4 |
| 1985 | JAN | 1637.9 | 5.4 | 3 |
| 1985 | FEB | 1664.7 | | 1 |
| 1985 | MAR | 1661.7 | 9.5 | 2 |
| 1985 | APR | 1645.5 | 11.8 | 4 |
| 1985 | MAY | 1631.1 | 19.9 | 3 |
| 1985 | JUN | 1634.9 | 17.5 | 2 |
| 1985 | JUL | 1636.2 | | 1 |
| 1985 | AUG | 1623.0 | 3.4 | 3 |
| 1985 | SEP | 1628.4 | 19.3 | 3 |
| 1985 | OCT | 1658.2 | 15.2 | 3 |
| 1985 | NOV | 1671.8 | 3.7 | 3 |
| 1985 | DEC | 1668.9 | 11.4 | 3 |

METHANE FLASK MONTHLY MEANS FOR HBA

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | 1541.1 | 3.3 | 3 |
| 1983 | FEB | 1537.2 | 1.3 | 3 |
| 1983 | MAR | 1537.9 | 2.4 | 3 |
| 1983 | APR | 1540.2 | 4.5 | 3 |
| 1983 | MAY | 1550.2 | 5.5 | 4 |
| 1983 | JUN | 1560.2 | .2 | 2 |
| 1983 | JUL | 1573.1 | | 1 |
| 1983 | AUG | | | |
| 1983 | SEP | 1576.8 | .6 | 4 |
| 1983 | OCT | 1578.4 | 2.1 | 4 |
| 1983 | NOV | 1574.4 | 2.1 | 4 |
| 1983 | DEC | 1569.6 | 3.9 | 4 |
| 1984 | JAN | 1560.7 | 2.5 | 4 |
| 1984 | FEB | 1556.7 | 2.1 | 2 |
| 1984 | MAR | 1558.0 | | 1 |
| 1984 | APR | | | |
| 1984 | MAY | | | |
| 1984 | JUN | | | |
| 1984 | JUL | | | |
| 1984 | AUG | 1589.7 | | 1 |
| 1984 | SEP | | | |
| 1984 | OCT | | | |
| 1984 | NOV | 1585.0 | | 1 |
| 1984 | DEC | 1580.9 | 4.3 | 3 |
| 1985 | JAN | 1567.7 | | 1 |
| 1985 | FEB | 1572.5 | 1.1 | 2 |
| 1985 | MAR | | | |
| 1985 | APR | | | |
| 1985 | MAY | | | |
| 1985 | JUN | 1587.7 | | 1 |
| 1985 | JUL | 1592.9 | | 1 |
| 1985 | AUG | 1596.7 | | 1 |
| 1985 | SEP | 1604.9 | 4.7 | 2 |
| 1985 | OCT | | | |
| 1985 | NOV | 1602.6 | 1.3 | 2 |
| 1985 | DEC | | | |

METHANE FLASK MONTHLY MEANS FOR KEY

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | | | |
| 1983 | JUN | | | |
| 1983 | JUL | | | |
| 1983 | AUG | | | |
| 1983 | SEP | | | |
| 1983 | OCT | 1629.5 | | 1 |
| 1983 | NOV | 1679.7 | 30.7 | 2 |
| 1983 | DEC | 1652.5 | | 1 |
| 1984 | JAN | 1696.0 | | 1 |
| 1984 | FEB | 1676.5 | | 1 |
| 1984 | MAR | 1653.2 | 10.3 | 2 |
| 1984 | APR | 1668.0 | 44.5 | 2 |
| 1984 | MAY | 1644.0 | | 1 |
| 1984 | JUN | 1668.0 | | 1 |
| 1984 | JUL | | | |
| 1984 | AUG | 1648.0 | 25.3 | 3 |
| 1984 | SEP | 1666.2 | 20.4 | 7 |
| 1984 | OCT | 1690.8 | 14.2 | 6 |
| 1984 | NOV | 1687.3 | 19.3 | 5 |
| 1984 | DEC | 1668.6 | | 1 |
| 1985 | JAN | 1709.8 | | 1 |
| 1985 | FEB | 1690.7 | 7.1 | 3 |
| 1985 | MAR | 1662.3 | | 1 |
| 1985 | APR | 1699.6 | 6.3 | 3 |
| 1985 | MAY | 1678.5 | 21.2 | 5 |
| 1985 | JUN | 1668.1 | 21.7 | 3 |
| 1985 | JUL | 1644.3 | 12.4 | 4 |
| 1985 | AUG | 1648.4 | 3.1 | 6 |
| 1985 | SEP | 1669.4 | 17.0 | 4 |
| 1985 | OCT | 1684.0 | 11.9 | 4 |
| 1985 | NOV | 1689.7 | 1.3 | 4 |
| 1985 | DEC | 1700.8 | | 1 |

METHANE FLASK MONTHLY MEANS FOR KPA

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | 1622.0 | | 1 |
| 1983 | MAY | 1644.9 | 6.9 | 2 |
| 1983 | JUN | 1639.4 | 7.2 | 2 |
| 1983 | JUL | 1604.9 | 1.6 | 2 |
| 1983 | AUG | | | |
| 1983 | SEP | 1630.5 | | 1 |
| 1983 | OCT | 1726.0 | 18.7 | 2 |
| 1983 | NOV | | | |
| 1983 | DEC | | | |
| 1984 | JAN | | | |
| 1984 | FEB | 1698.5 | | 1 |
| 1984 | MAR | | | |
| 1984 | APR | | | |
| 1984 | MAY | 1642.5 | | 1 |
| 1984 | JUN | | | |
| 1984 | JUL | | | |
| 1984 | AUG | 1645.5 | | 1 |
| 1984 | SEP | 1677.0 | | 1 |
| 1984 | OCT | | | |
| 1984 | NOV | 1678.9 | | 1 |
| 1984 | DEC | 1699.3 | | 1 |
| 1985 | JAN | | | |
| 1985 | FEB | | | |
| 1985 | MAR | 1683.4 | | 1 |
| 1985 | APR | 1664.9 | | 1 |
| 1985 | MAY | | | |
| 1985 | JUN | | | |
| 1985 | JUL | | | |
| 1985 | AUG | | | |
| 1985 | SEP | | | |
| 1985 | OCT | | | |
| 1985 | NOV | | | |
| 1985 | DEC | | | |

METHANE FLASK MONTHLY MEANS FOR KUM

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | 1630.9 | 21.3 | 2 |
| 1983 | MAY | 1647.0 | 10.6 | 2 |
| 1983 | JUN | 1640.0 | | 1 |
| 1983 | JUL | | | |
| 1983 | AUG | 1623.0 | | 1 |
| 1983 | SEP | 1667.5 | | 1 |
| 1983 | OCT | 1666.6 | 11.2 | 3 |
| 1983 | NOV | 1657.2 | 3.7 | 3 |
| 1983 | DEC | 1658.4 | 4.4 | 2 |
| 1984 | JAN | 1639.5 | 19.1 | 2 |
| 1984 | FEB | 1668.7 | 9.9 | 3 |
| 1984 | MAR | 1651.9 | .8 | 2 |
| 1984 | APR | 1674.9 | 6.6 | 4 |
| 1984 | MAY | 1652.3 | 23.7 | 5 |
| 1984 | JUN | 1669.0 | | 1 |
| 1984 | JUL | 1630.0 | 10.0 | 4 |
| 1984 | AUG | 1642.0 | 18.4 | 2 |
| 1984 | SEP | 1646.7 | 6.9 | 4 |
| 1984 | OCT | 1671.5 | 8.6 | 5 |
| 1984 | NOV | 1658.8 | 5.2 | 4 |
| 1984 | DEC | 1663.1 | 15.7 | 3 |
| 1985 | JAN | 1684.2 | 16.4 | 3 |
| 1985 | FEB | 1662.9 | 13.4 | 3 |
| 1985 | MAR | 1680.3 | 2.3 | 3 |
| 1985 | APR | 1677.3 | 13.9 | 11 |
| 1985 | MAY | 1692.5 | 22.8 | 2 |
| 1985 | JUN | 1658.9 | 16.3 | 3 |
| 1985 | JUL | 1650.7 | 10.6 | 2 |
| 1985 | AUG | 1640.4 | 7.5 | 3 |
| 1985 | SEP | 1680.9 | 5.9 | 3 |
| 1985 | OCT | 1682.5 | 14.9 | 4 |
| 1985 | NOV | 1678.1 | 4.9 | 3 |
| 1985 | DEC | 1684.5 | 22.0 | 4 |

METHANE FLASK MONTHLY MEANS FOR MBC

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | 1692.5 | 4.0 | 3 |
| 1983 | MAY | 1671.4 | 12.6 | 4 |
| 1983 | JUN | 1662.7 | 6.9 | 4 |
| 1983 | JUL | 1664.3 | 8.0 | 3 |
| 1983 | AUG | 1673.0 | 14.4 | 5 |
| 1983 | SEP | 1700.6 | 7.8 | 3 |
| 1983 | OCT | 1701.6 | 4.5 | 4 |
| 1983 | NOV | 1713.0 | 3.3 | 4 |
| 1983 | DEC | 1725.1 | 20.7 | 3 |
| 1984 | JAN | 1732.0 | 9.2 | 3 |
| 1984 | FEB | 1740.5 | 8.7 | 4 |
| 1984 | MAR | 1730.1 | 4.8 | 4 |
| 1984 | APR | 1711.8 | 2.3 | 4 |
| 1984 | MAY | 1706.3 | 2.8 | 3 |
| 1984 | JUN | 1693.0 | 4.1 | 4 |
| 1984 | JUL | 1687.5 | 3.2 | 5 |
| 1984 | AUG | 1690.3 | 2.8 | 3 |
| 1984 | SEP | 1711.3 | 3.6 | 5 |
| 1984 | OCT | 1714.1 | 7.9 | 3 |
| 1984 | NOV | 1718.5 | 4.1 | 4 |
| 1984 | DEC | 1729.5 | 2.1 | 2 |
| 1985 | JAN | 1742.7 | 11.8 | 4 |
| 1985 | FEB | 1732.4 | 2.1 | 3 |
| 1985 | MAR | 1738.6 | 15.5 | 5 |
| 1985 | APR | 1739.5 | 5.4 | 5 |
| 1985 | MAY | 1729.7 | 8.5 | 4 |
| 1985 | JUN | 1704.4 | 5.9 | 4 |
| 1985 | JUL | 1698.4 | 3.5 | 5 |
| 1985 | AUG | 1704.3 | 5.3 | 5 |
| 1985 | SEP | 1722.7 | 11.9 | 4 |
| 1985 | OCT | 1748.5 | 7.2 | 5 |
| 1985 | NOV | 1753.5 | 7.2 | 5 |
| 1985 | DEC | 1747.7 | 14.3 | 4 |

METHANE FLASK MONTHLY MEANS FOR MCM

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | | | |
| 1983 | JUN | | | |
| 1983 | JUL | | | |
| 1983 | AUG | | | |
| 1983 | SEP | | | |
| 1983 | OCT | | | |
| 1983 | NOV | | | |
| 1983 | DEC | | | |
| 1984 | JAN | | | |
| 1984 | FEB | | | |
| 1984 | MAR | | | |
| 1984 | APR | | | |
| 1984 | MAY | | | |
| 1984 | JUN | | | |
| 1984 | JUL | | | |
| 1984 | AUG | | | |
| 1984 | SEP | | | |
| 1984 | OCT | | | |
| 1984 | NOV | | | |
| 1984 | DEC | | | |
| 1985 | JAN | | | |
| 1985 | FEB | | | |
| 1985 | MAR | | | |
| 1985 | APR | | | |
| 1985 | MAY | | | |
| 1985 | JUN | | | |
| 1985 | JUL | | | |
| 1985 | AUG | | | |
| 1985 | SEP | | | |
| 1985 | OCT | | | |
| 1985 | NOV | | | |
| 1985 | DEC | 1599.3 | | 1 |

METHANE FLASK MONTHLY MEANS FOR MID

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | | | |
| 1983 | JUN | | | |
| 1983 | JUL | | | |
| 1983 | AUG | | | |
| 1983 | SEP | | | |
| 1983 | OCT | | | |
| 1983 | NOV | | | |
| 1983 | DEC | | | |
| 1984 | JAN | | | |
| 1984 | FEB | | | |
| 1984 | MAR | | | |
| 1984 | APR | | | |
| 1984 | MAY | | | |
| 1984 | JUN | | | |
| 1984 | JUL | | | |
| 1984 | AUG | | | |
| 1984 | SEP | | | |
| 1984 | OCT | | | |
| 1984 | NOV | | | |
| 1984 | DEC | | | |
| 1985 | JAN | | | |
| 1985 | FEB | | | |
| 1985 | MAR | | | |
| 1985 | APR | | | |
| 1985 | MAY | 1678.7 | 22.2 | 6 |
| 1985 | JUN | | | |
| 1985 | JUL | | | |
| 1985 | AUG | 1649.3 | 3.8 | 3 |
| 1985 | SEP | 1673.3 | 22.5 | 8 |
| 1985 | OCT | 1692.4 | 9.7 | 9 |
| 1985 | NOV | 1702.1 | 14.4 | 7 |
| 1985 | DEC | 1691.8 | 21.7 | 5 |

METHANE FLASK MONTHLY MEANS FOR MLO

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | 1615.3 | 20.1 | 4 |
| 1983 | JUN | 1614.9 | 19.0 | 3 |
| 1983 | JUL | 1618.0 | 14.8 | 4 |
| 1983 | AUG | 1604.5 | 10.9 | 4 |
| 1983 | SEP | 1626.9 | 13.5 | 5 |
| 1983 | OCT | 1651.4 | 5.6 | 4 |
| 1983 | NOV | 1635.3 | 5.0 | 4 |
| 1983 | DEC | 1632.4 | 5.5 | 5 |
| 1984 | JAN | 1638.8 | 19.0 | 4 |
| 1984 | FEB | 1638.4 | 7.4 | 4 |
| 1984 | MAR | 1631.8 | 5.5 | 3 |
| 1984 | APR | 1639.2 | 12.5 | 7 |
| 1984 | MAY | 1628.0 | 14.0 | 6 |
| 1984 | JUN | | | |
| 1984 | JUL | 1609.8 | 16.6 | 2 |
| 1984 | AUG | 1619.9 | 5.4 | 5 |
| 1984 | SEP | 1653.7 | 10.5 | 4 |
| 1984 | OCT | 1647.4 | 11.3 | 4 |
| 1984 | NOV | 1662.2 | 7.3 | 3 |
| 1984 | DEC | 1651.5 | 9.1 | 4 |
| 1985 | JAN | 1642.7 | 4.4 | 3 |
| 1985 | FEB | 1641.7 | 3.0 | 4 |
| 1985 | MAR | 1668.8 | 10.2 | 4 |
| 1985 | APR | 1644.3 | 10.1 | 4 |
| 1985 | MAY | 1651.2 | 21.5 | 4 |
| 1985 | JUN | 1640.6 | 7.1 | 4 |
| 1985 | JUL | 1635.1 | 7.8 | 3 |
| 1985 | AUG | 1635.1 | 6.2 | 4 |
| 1985 | SEP | 1647.1 | 21.9 | 4 |
| 1985 | OCT | 1655.9 | 17.7 | 3 |
| 1985 | NOV | 1663.4 | 14.6 | 4 |
| 1985 | DEC | 1655.8 | 4.5 | 3 |

METHANE FLASK MONTHLY MEANS FOR NWR

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | | | |
| 1983 | JUN | 1603.5 | | 1 |
| 1983 | JUL | 1645.6 | 24.9 | 4 |
| 1983 | AUG | 1625.7 | 9.0 | 5 |
| 1983 | SEP | 1653.8 | 12.5 | 2 |
| 1983 | OCT | | | |
| 1983 | NOV | | | |
| 1983 | DEC | | | |
| 1984 | JAN | | | |
| 1984 | FEB | 1669.8 | 21.5 | 3 |
| 1984 | MAR | 1688.0 | 10.5 | 4 |
| 1984 | APR | 1677.8 | 25.1 | 3 |
| 1984 | MAY | 1675.6 | 21.2 | 4 |
| 1984 | JUN | 1669.0 | 15.5 | 2 |
| 1984 | JUL | 1660.9 | 17.2 | 5 |
| 1984 | AUG | 1647.8 | 15.0 | 4 |
| 1984 | SEP | 1664.1 | 11.3 | 4 |
| 1984 | OCT | 1695.3 | 11.3 | 4 |
| 1984 | NOV | 1679.1 | 16.4 | 2 |
| 1984 | DEC | 1678.4 | 13.0 | 3 |
| 1985 | JAN | 1693.6 | 24.0 | 4 |
| 1985 | FEB | 1681.2 | 14.7 | 3 |
| 1985 | MAR | 1689.3 | 23.9 | 4 |
| 1985 | APR | 1676.9 | 14.0 | 4 |
| 1985 | MAY | 1692.4 | 24.1 | 4 |
| 1985 | JUN | | | |
| 1985 | JUL | 1653.8 | 6.1 | 5 |
| 1985 | AUG | 1659.5 | 20.4 | 4 |
| 1985 | SEP | 1678.3 | 37.6 | 4 |
| 1985 | OCT | 1695.3 | 17.1 | 4 |
| 1985 | NOV | 1706.0 | 18.1 | 4 |
| 1985 | DEC | 1700.5 | 13.1 | 5 |

METHANE FLASK MONTHLY MEANS FOR NZL

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | | | |
| 1983 | JUN | | | |
| 1983 | JUL | | | |
| 1983 | AUG | 1577.1 | | 1 |
| 1983 | SEP | | | |
| 1983 | OCT | | | |
| 1983 | NOV | 1574.6 | | 1 |
| 1983 | DEC | 1575.6 | | 1 |
| 1984 | JAN | | | |
| 1984 | FEB | | | |
| 1984 | MAR | | | |
| 1984 | APR | | | |
| 1984 | MAY | 1576.6 | | 1 |
| 1984 | JUN | | | |
| 1984 | JUL | | | |
| 1984 | AUG | | | |
| 1984 | SEP | 1591.0 | | 1 |
| 1984 | OCT | | | |
| 1984 | NOV | | | |
| 1984 | DEC | | | |
| 1985 | JAN | | | |
| 1985 | FEB | | | |
| 1985 | MAR | 1570.5 | | 1 |
| 1985 | APR | | | |
| 1985 | MAY | | | |
| 1985 | JUN | | | |
| 1985 | JUL | | | |
| 1985 | AUG | | | |
| 1985 | SEP | | | |
| 1985 | OCT | | | |
| 1985 | NOV | | | |
| 1985 | DEC | | | |

METHANE FLASK MONTHLY MEANS FOR OPW

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | | | |
| 1983 | JUN | | | |
| 1983 | JUL | | | |
| 1983 | AUG | | | |
| 1983 | SEP | | | |
| 1983 | OCT | | | |
| 1983 | NOV | | | |
| 1983 | DEC | | | |
| 1984 | JAN | | | |
| 1984 | FEB | | | |
| 1984 | MAR | | | |
| 1984 | APR | | | |
| 1984 | MAY | | | |
| 1984 | JUN | | | |
| 1984 | JUL | | | |
| 1984 | AUG | | | |
| 1984 | SEP | | | |
| 1984 | OCT | | | |
| 1984 | NOV | | | |
| 1984 | DEC | | | |
| 1985 | JAN | | | |
| 1985 | FEB | | | |
| 1985 | MAR | | | |
| 1985 | APR | 1716.5 | | 1 |
| 1985 | MAY | 1727.4 | | 1 |
| 1985 | JUN | | | |
| 1985 | JUL | | | |
| 1985 | AUG | | | |
| 1985 | SEP | 1718.6 | .3 | 2 |
| 1985 | OCT | | | |
| 1985 | NOV | 1712.5 | 2.2 | 2 |
| 1985 | DEC | | | |

METHANE FLASK MONTHLY MEANS FOR PSA

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | 1538.1 | 3.1 | 3 |
| 1983 | FEB | 1526.6 | .7 | 2 |
| 1983 | MAR | 1538.9 | 7.9 | 3 |
| 1983 | APR | 1547.4 | 4.2 | 4 |
| 1983 | MAY | 1550.9 | 3.1 | 6 |
| 1983 | JUN | 1560.4 | 4.1 | 5 |
| 1983 | JUL | 1565.2 | 2.5 | 5 |
| 1983 | AUG | 1576.5 | 7.7 | 6 |
| 1983 | SEP | 1576.1 | 2.4 | 5 |
| 1983 | OCT | 1576.4 | 1.4 | 5 |
| 1983 | NOV | 1575.7 | 2.5 | 5 |
| 1983 | DEC | 1568.7 | 1.0 | 4 |
| 1984 | JAN | 1563.3 | | 1 |
| 1984 | FEB | 1558.7 | 4.9 | 2 |
| 1984 | MAR | 1560.9 | 2.3 | 2 |
| 1984 | APR | 1564.4 | 4.3 | 2 |
| 1984 | MAY | | | |
| 1984 | JUN | 1577.1 | .3 | 2 |
| 1984 | JUL | 1582.9 | 3.4 | 2 |
| 1984 | AUG | 1592.1 | | 1 |
| 1984 | SEP | | | |
| 1984 | OCT | 1589.1 | 2.1 | 2 |
| 1984 | NOV | 1587.3 | 2.9 | 2 |
| 1984 | DEC | 1574.2 | 2.1 | 2 |
| 1985 | JAN | 1569.8 | 6.2 | 2 |
| 1985 | FEB | 1565.4 | 1.1 | 3 |
| 1985 | MAR | 1566.5 | 2.5 | 4 |
| 1985 | APR | 1576.1 | | 1 |
| 1985 | MAY | 1582.2 | 4.2 | 3 |
| 1985 | JUN | 1587.0 | 6.5 | 5 |
| 1985 | JUL | 1593.1 | 1.8 | 4 |
| 1985 | AUG | 1597.7 | 3.4 | 3 |
| 1985 | SEP | 1607.6 | | 1 |
| 1985 | OCT | 1603.8 | 3.9 | 4 |
| 1985 | NOV | 1605.3 | 4.9 | 4 |
| 1985 | DEC | 1595.5 | 3.8 | 4 |

METHANE FLASK MONTHLY MEANS FOR SEY

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | 1562.7 | 14.6 | 3 |
| 1983 | JUN | 1573.8 | 14.8 | 5 |
| 1983 | JUL | 1577.7 | 12.5 | 4 |
| 1983 | AUG | 1573.8 | 6.3 | 4 |
| 1983 | SEP | 1576.1 | .7 | 2 |
| 1983 | OCT | | | |
| 1983 | NOV | 1618.5 | 2.8 | 2 |
| 1983 | DEC | 1611.4 | 19.6 | 5 |
| 1984 | JAN | 1628.4 | 11.2 | 4 |
| 1984 | FEB | 1586.5 | | 1 |
| 1984 | MAR | 1620.0 | | 1 |
| 1984 | APR | | | |
| 1984 | MAY | | | |
| 1984 | JUN | 1586.0 | | 1 |
| 1984 | JUL | 1593.0 | 1.5 | 4 |
| 1984 | AUG | 1596.1 | 3.5 | 5 |
| 1984 | SEP | 1599.4 | 13.2 | 4 |
| 1984 | OCT | 1611.9 | 40.5 | 3 |
| 1984 | NOV | | | |
| 1984 | DEC | 1635.1 | 1.3 | 3 |
| 1985 | JAN | | | |
| 1985 | FEB | 1653.9 | 11.2 | 4 |
| 1985 | MAR | 1592.6 | 12.8 | 4 |
| 1985 | APR | 1594.4 | 10.0 | 4 |
| 1985 | MAY | 1594.8 | 4.0 | 4 |
| 1985 | JUN | 1601.8 | 1.5 | 3 |
| 1985 | JUL | 1604.3 | 2.1 | 4 |
| 1985 | AUG | 1606.9 | 5.0 | 5 |
| 1985 | SEP | 1609.9 | 3.4 | 4 |
| 1985 | OCT | 1595.8 | 4.8 | 4 |
| 1985 | NOV | | | |
| 1985 | DEC | | | |

METHANE FLASK MONTHLY MEANS FOR SHM

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | | | |
| 1983 | JUN | | | |
| 1983 | JUL | | | |
| 1983 | AUG | | | |
| 1983 | SEP | | | |
| 1983 | OCT | | | |
| 1983 | NOV | | | |
| 1983 | DEC | | | |
| 1984 | JAN | | | |
| 1984 | FEB | | | |
| 1984 | MAR | | | |
| 1984 | APR | | | |
| 1984 | MAY | | | |
| 1984 | JUN | | | |
| 1984 | JUL | | | |
| 1984 | AUG | | | |
| 1984 | SEP | | | |
| 1984 | OCT | | | |
| 1984 | NOV | | | |
| 1984 | DEC | | | |
| 1985 | JAN | | | |
| 1985 | FEB | | | |
| 1985 | MAR | | | |
| 1985 | APR | | | |
| 1985 | MAY | | | |
| 1985 | JUN | | | |
| 1985 | JUL | | | |
| 1985 | AUG | | | |
| 1985 | SEP | 1731.6 | 6.0 | 4 |
| 1985 | OCT | 1745.9 | 12.0 | 5 |
| 1985 | NOV | 1732.9 | 3.7 | 3 |
| 1985 | DEC | 1738.1 | .2 | 2 |

METHANE FLASK MONTHLY MEANS FOR SIO

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | | | |
| 1983 | MAY | | | |
| 1983 | JUN | | | |
| 1983 | JUL | | | |
| 1983 | AUG | | | |
| 1983 | SEP | | | |
| 1983 | OCT | | | |
| 1983 | NOV | | | |
| 1983 | DEC | | | |
| 1984 | JAN | | | |
| 1984 | FEB | 1682.3 | 4.3 | 6 |
| 1984 | MAR | | | |
| 1984 | APR | | | |
| 1984 | MAY | | | |
| 1984 | JUN | | | |
| 1984 | JUL | | | |
| 1984 | AUG | | | |
| 1984 | SEP | 1658.3 | 2.0 | 3 |
| 1984 | OCT | | | |
| 1984 | NOV | | | |
| 1984 | DEC | | | |
| 1985 | JAN | | | |
| 1985 | FEB | | | |
| 1985 | MAR | | | |
| 1985 | APR | | | |
| 1985 | MAY | | | |
| 1985 | JUN | | | |
| 1985 | JUL | | | |
| 1985 | AUG | 1674.7 | 1.6 | 5 |
| 1985 | SEP | | | |
| 1985 | OCT | | | |
| 1985 | NOV | | | |
| 1985 | DEC | | | |

METHANE FLASK MONTHLY MEANS FOR SMO

| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
|---|---|---|---|---|
| 1983 | JAN | | | |
| 1983 | FEB | | | |
| 1983 | MAR | | | |
| 1983 | APR | 1546.1 | | 1 |
| 1983 | MAY | 1564.6 | 19.1 | 2 |
| 1983 | JUN | 1569.4 | 5.5 | 4 |
| 1983 | JUL | 1571.6 | 2.8 | 2 |
| 1983 | AUG | 1574.3 | 2.5 | 4 |
| 1983 | SEP | 1573.1 | 1.4 | 2 |
| 1983 | OCT | 1580.5 | | 1 |
| 1983 | NOV | 1576.7 | 1.5 | 3 |
| 1983 | DEC | 1574.6 | 2.8 | 2 |
| 1984 | JAN | 1589.5 | 2.2 | 5 |
| 1984 | FEB | 1587.2 | 12.5 | 3 |
| 1984 | MAR | 1563.1 | | 1 |
| 1984 | APR | 1573.1 | | 1 |
| 1984 | MAY | 1575.4 | 4.1 | 4 |
| 1984 | JUN | 1588.5 | 2.1 | 4 |
| 1984 | JUL | 1591.0 | 1.2 | 4 |
| 1984 | AUG | 1590.1 | 3.9 | 3 |
| 1984 | SEP | 1591.0 | 6.0 | 3 |
| 1984 | OCT | 1590.0 | 3.6 | 3 |
| 1984 | NOV | 1586.3 | 4.0 | 3 |
| 1984 | DEC | 1592.3 | 8.1 | 3 |
| 1985 | JAN | 1602.2 | 26.6 | 3 |
| 1985 | FEB | 1605.4 | 2.3 | 3 |
| 1985 | MAR | 1597.9 | 14.3 | 4 |
| 1985 | APR | 1590.5 | 1.4 | 3 |
| 1985 | MAY | 1601.0 | 10.2 | 4 |
| 1985 | JUN | 1598.1 | 4.2 | 3 |
| 1985 | JUL | 1601.0 | 5.0 | 3 |
| 1985 | AUG | 1602.6 | 2.4 | 4 |
| 1985 | SEP | 1603.5 | | 1 |
| 1985 | OCT | 1602.3 | .4 | 2 |
| 1985 | NOV | 1598.7 | 2.8 | 3 |
| 1985 | DEC | 1599.0 | 3.1 | 3 |

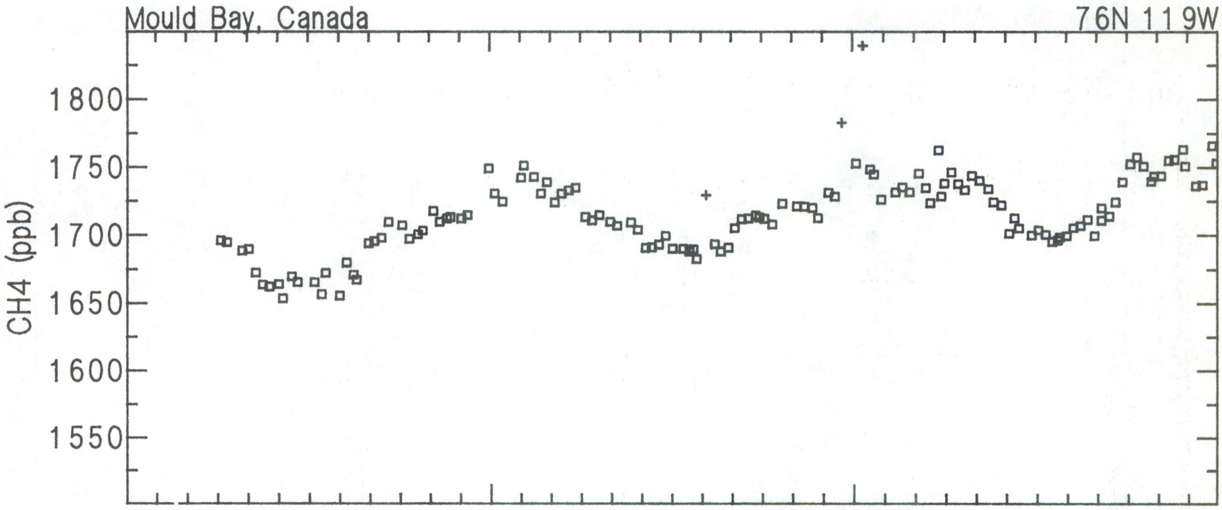
| METHANE FLASK MONTHLY MEANS FOR SPO | | | | | METHANE FLASK MONTHLY MEANS FOR STM | | | | |
|---|---|---|---|---|---|---|---|---|---|
| YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks | YEAR | MONTH | CH4 (ppb) | St. Dev. (ppb) | # of Flasks |
| 1983 | JAN | | | | 1983 | JAN | | | |
| 1983 | FEB | 1536.1 | .7 | 2 | 1983 | FEB | | | |
| 1983 | MAR | 1537.1 | 1.1 | 4 | 1983 | MAR | | | |
| 1983 | APR | 1543.7 | 2.7 | 3 | 1983 | APR | 1678.5 | | 1 |
| 1983 | MAY | 1552.1 | 3.7 | 4 | 1983 | MAY | 1686.1 | 11.7 | 4 |
| 1983 | JUN | 1558.4 | 5.9 | 4 | 1983 | JUN | 1681.6 | 10.8 | 4 |
| 1983 | JUL | 1566.9 | 4.2 | 3 | 1983 | JUL | 1669.2 | 27.2 | 5 |
| 1983 | AUG | 1572.3 | 1.8 | 2 | 1983 | AUG | 1669.0 | 9.2 | 3 |
| 1983 | SEP | 1576.4 | 2.4 | 3 | 1983 | SEP | 1702.0 | 7.8 | 5 |
| 1983 | OCT | 1577.4 | 2.8 | 4 | 1983 | OCT | 1701.7 | 16.0 | 4 |
| 1983 | NOV | 1575.1 | 2.2 | 3 | 1983 | NOV | 1713.6 | 9.5 | 4 |
| 1983 | DEC | 1567.8 | 4.8 | 3 | 1983 | DEC | 1705.6 | 8.3 | 4 |
| 1984 | JAN | 1562.1 | | 1 | 1984 | JAN | 1711.3 | 9.6 | 4 |
| 1984 | FEB | 1555.4 | | 1 | 1984 | FEB | 1696.7 | 12.2 | 4 |
| 1984 | MAR | 1561.5 | | 1 | 1984 | MAR | 1713.6 | 10.2 | 5 |
| 1984 | APR | 1561.4 | | 1 | 1984 | APR | 1711.6 | 14.9 | 4 |
| 1984 | MAY | 1571.1 | 7.2 | 2 | 1984 | MAY | 1699.9 | 1.8 | 4 |
| 1984 | JUN | 1576.5 | .9 | 2 | 1984 | JUN | 1701.5 | 26.8 | 4 |
| 1984 | JUL | 1582.1 | 1.2 | 2 | 1984 | JUL | 1676.1 | 6.6 | 4 |
| 1984 | AUG | 1583.5 | 2.1 | 2 | 1984 | AUG | 1685.4 | 4.9 | 4 |
| 1984 | SEP | 1592.7 | .8 | 2 | 1984 | SEP | 1729.6 | 27.3 | 5 |
| 1984 | OCT | 1591.2 | .2 | 2 | 1984 | OCT | 1720.3 | | 1 |
| 1984 | NOV | 1587.2 | 2.0 | 3 | 1984 | NOV | 1716.0 | 8.8 | 5 |
| 1984 | DEC | 1579.9 | 6.8 | 6 | 1984 | DEC | 1729.6 | 32.3 | 5 |
| 1985 | JAN | 1571.3 | .9 | 3 | 1985 | JAN | 1735.7 | 27.0 | 5 |
| 1985 | FEB | 1571.1 | 2.4 | 2 | 1985 | FEB | 1722.5 | 13.7 | 4 |
| 1985 | MAR | 1567.0 | 2.2 | 5 | 1985 | MAR | 1735.8 | 17.9 | 4 |
| 1985 | APR | 1572.9 | 2.8 | 2 | 1985 | APR | 1738.9 | 9.0 | 4 |
| 1985 | MAY | 1579.3 | 2.0 | 2 | 1985 | MAY | 1720.3 | 4.2 | 2 |
| 1985 | JUN | 1585.4 | 7.5 | 2 | 1985 | JUN | 1709.0 | 4.9 | 5 |
| 1985 | JUL | 1594.4 | 2.8 | 2 | 1985 | JUL | 1698.0 | 8.4 | 4 |
| 1985 | AUG | 1600.9 | .4 | 2 | 1985 | AUG | 1707.7 | 6.1 | 5 |
| 1985 | SEP | 1604.1 | .5 | 3 | 1985 | SEP | 1710.4 | | 1 |
| 1985 | OCT | 1604.3 | 2.5 | 3 | 1985 | OCT | 1725.3 | 8.2 | 4 |
| 1985 | NOV | 1599.0 | 3.8 | 3 | 1985 | NOV | 1726.6 | 12.4 | 3 |
| 1985 | DEC | 1590.2 | 6.1 | 5 | 1985 | DEC | 1748.1 | 15.6 | 4 |

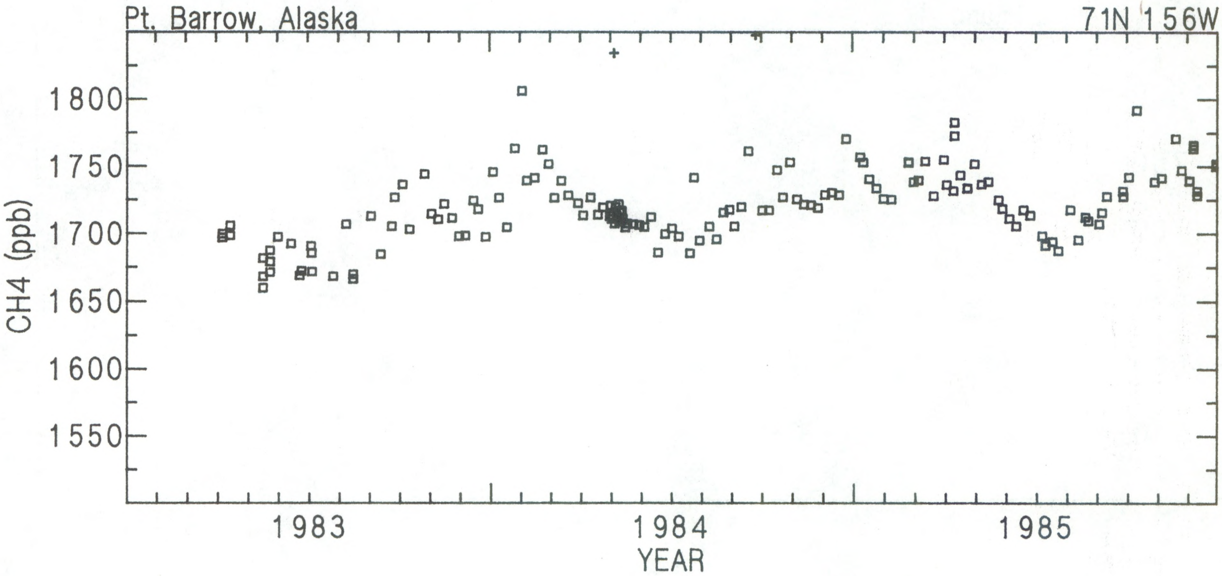
# Appendix C

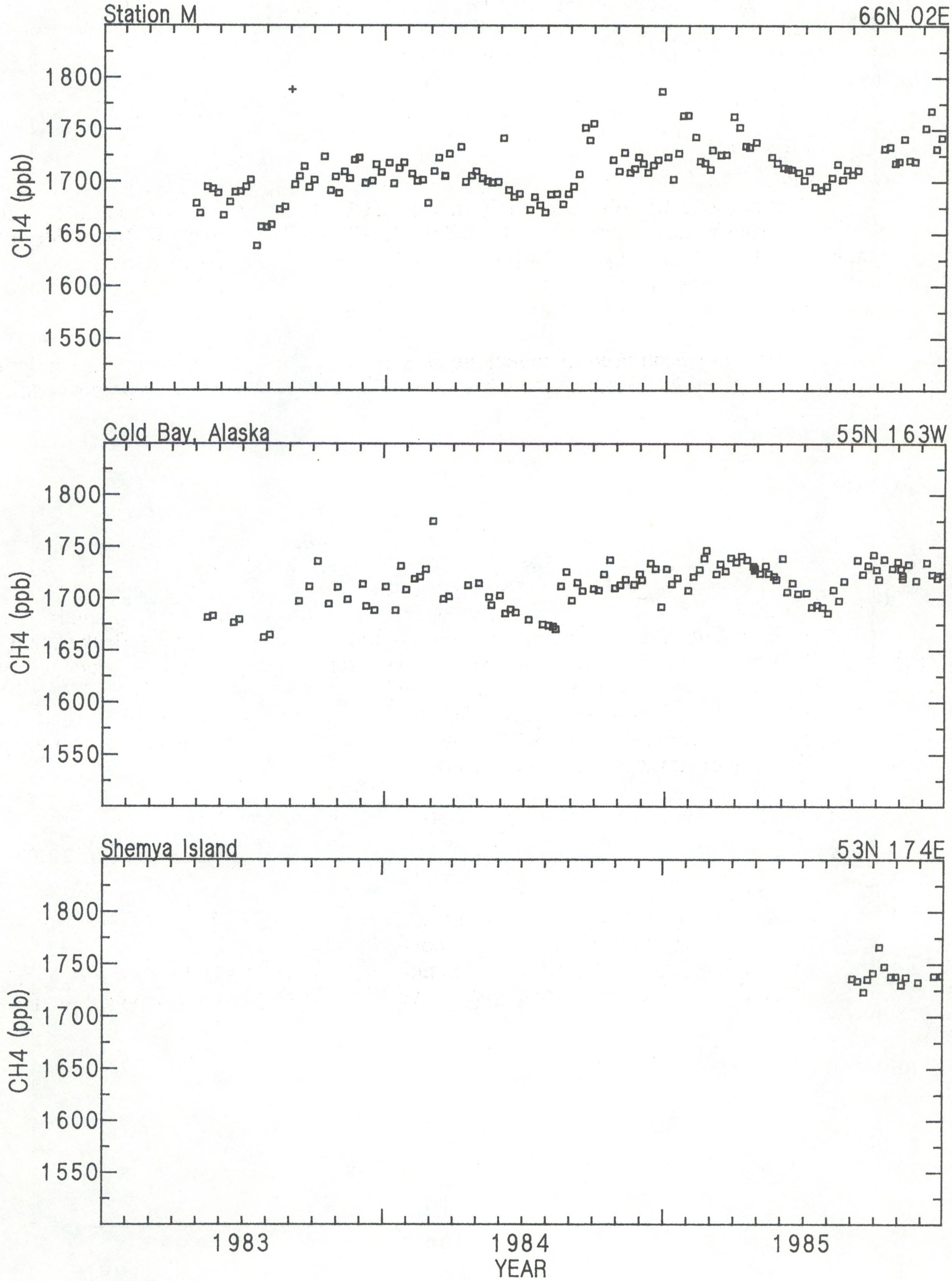
## Plots of Methane Concentrations from Individual Flask Samples

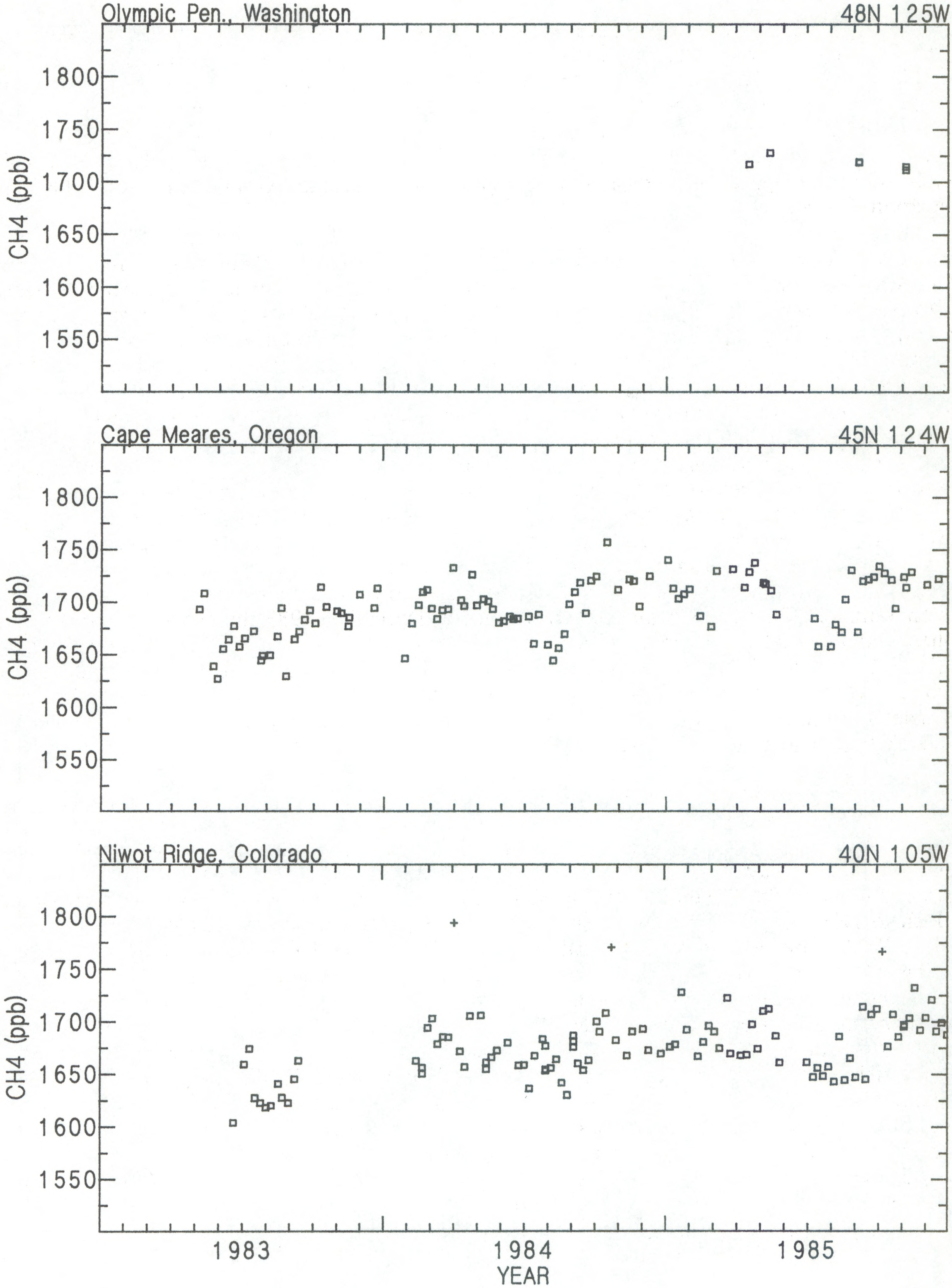
We show in this appendix a set of time series plots of the methane concentrations found from individual flask samples that were tabulated in Appendix A. In all of the plots the background flask samples are shown with a square symbol, while the non-background samples are shown with a plus (+) symbol. The plots are arranged according to the latitude of the site, starting with the northernmost site of ALT, and then moving steadily southward. For ease of comparison both the vertical scale and the horizontal scale are identical for all the sites shown.


Alert, Canada
82N 62W
CH4 (ppb)
1800
1750
1700
1650
1600
1550

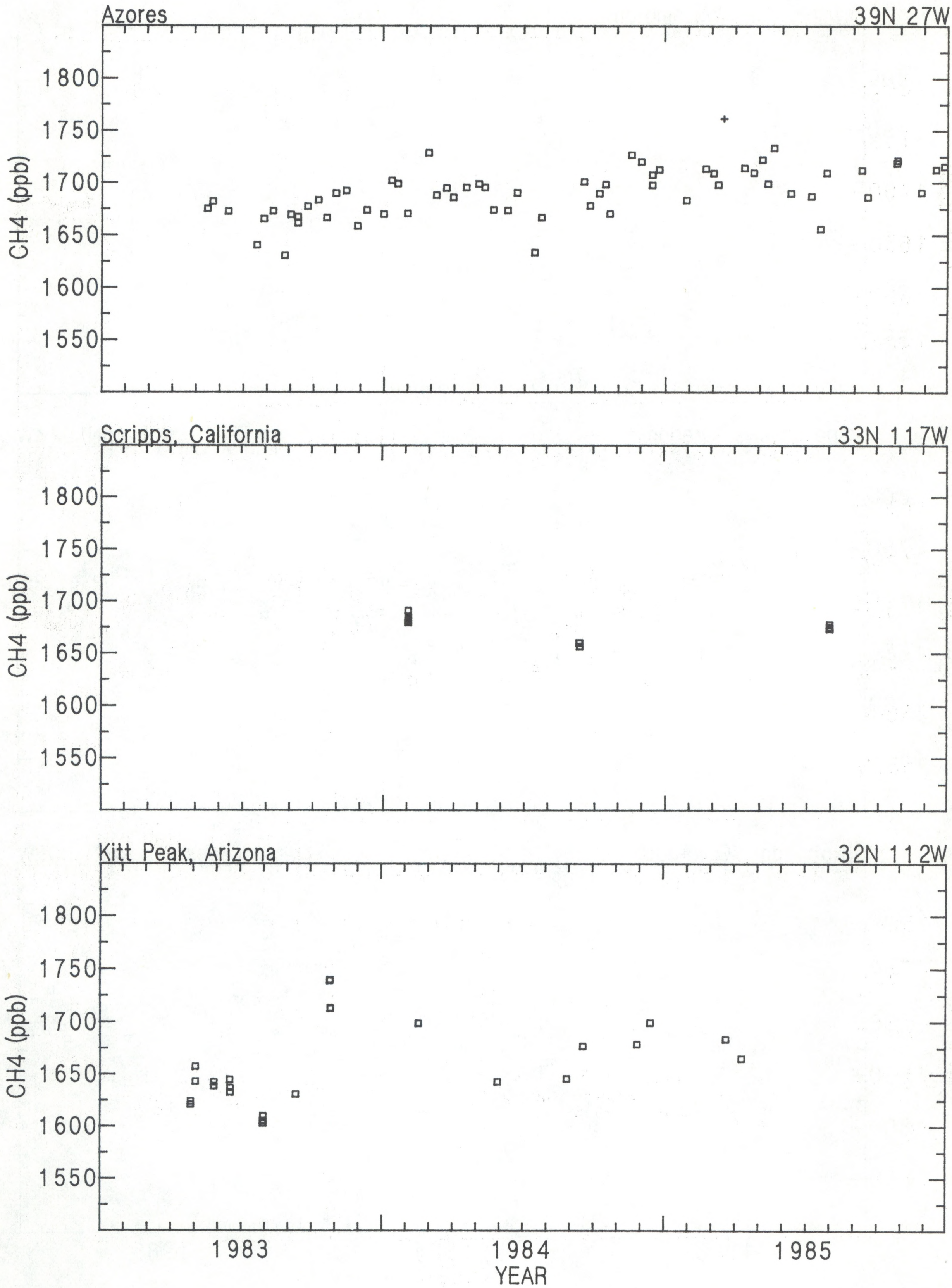

Mould Bay, Canada
76N 119W
CH4 (ppb)
1800
1750
1700
1650
1600
1550

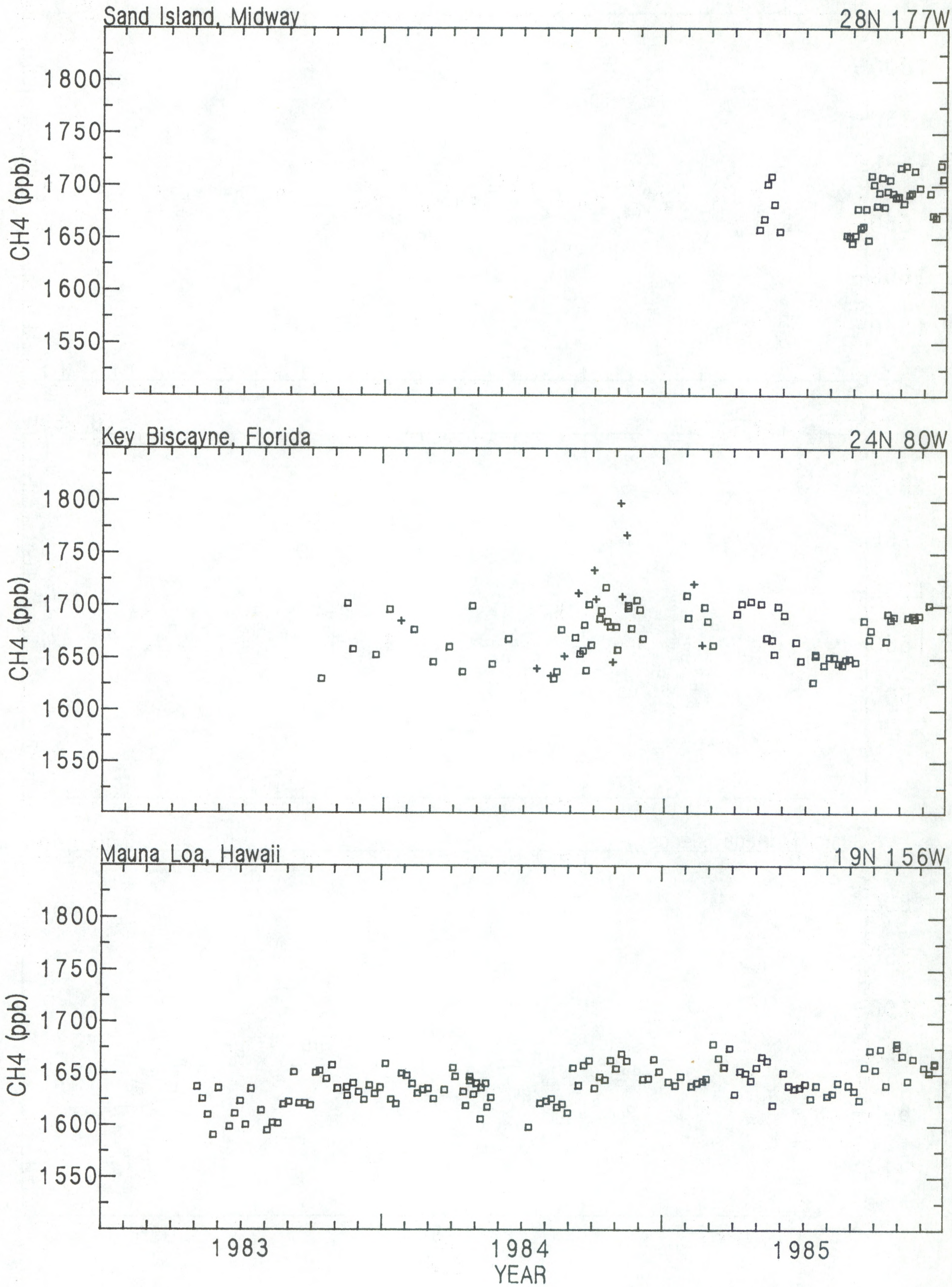

Pt. Barrow, Alaska
71N 156W
CH4 (ppb)
1800
1750
1700
1650
1600
1550
1983
1984
1985
YEAR


Station M
66N 02E
Cold Bay, Alaska
55N 163W
Shemya Island
53N 174E
CH4 (ppb)
1800
1750
1700
1650
1600
1550
1983
1984
1985
YEAR

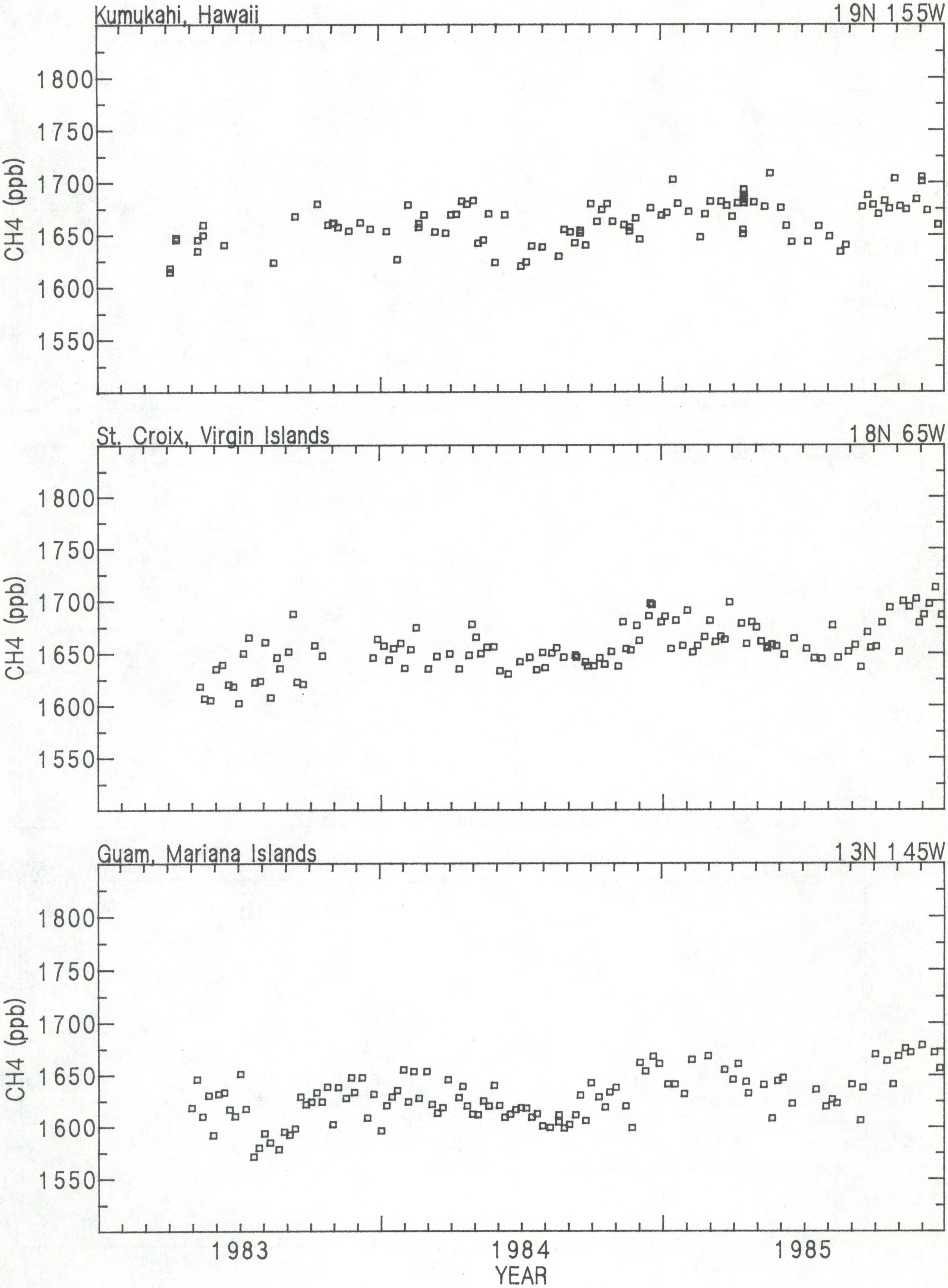


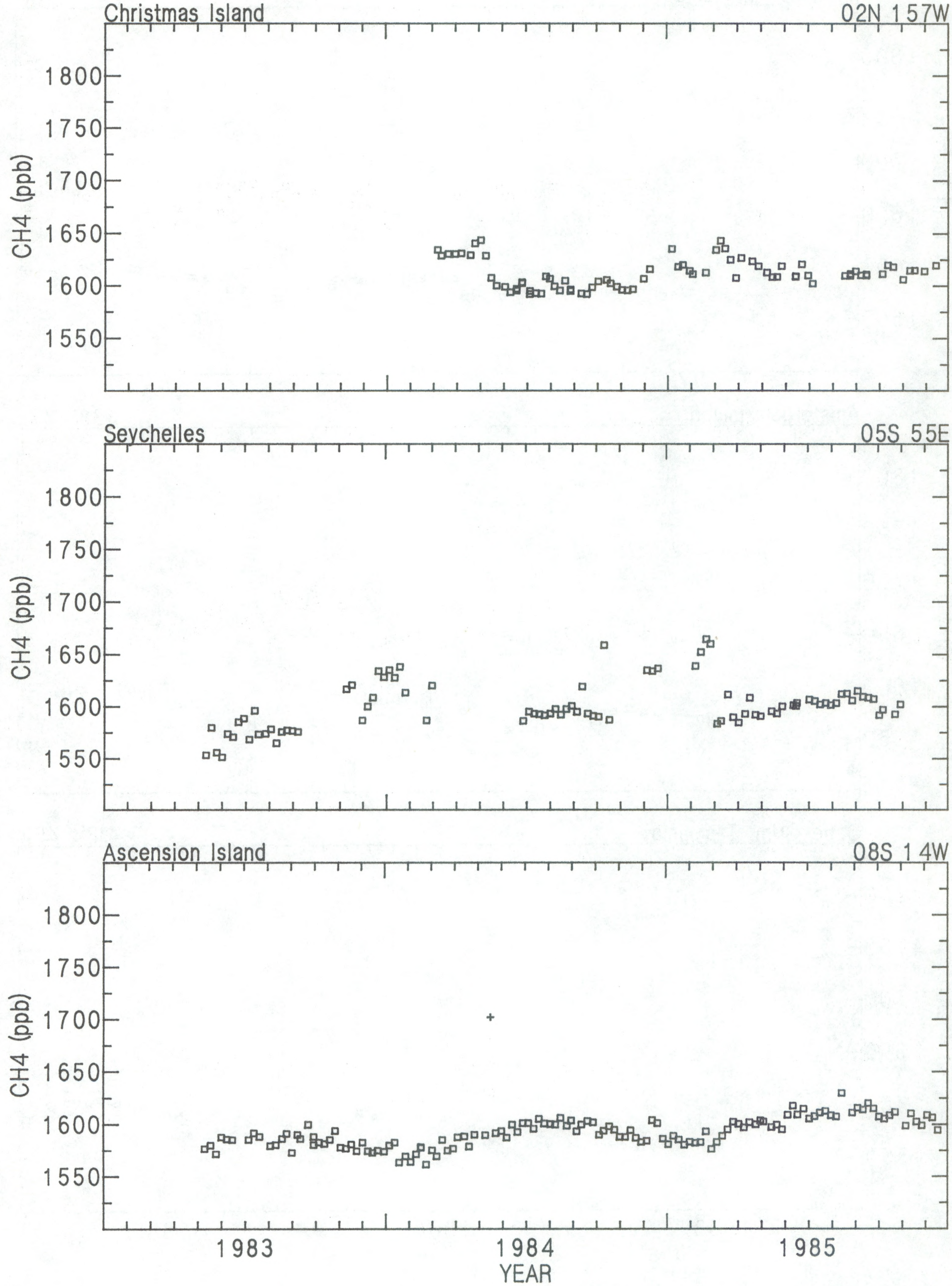
Olympic Pen., Washington
48N 125W
Cape Meares, Oregon
45N 124W
Niwot Ridge, Colorado
40N 105W
CH4 (ppb)
1550
1600
1650
1700
1750
1800
1983
1984
1985
YEAR

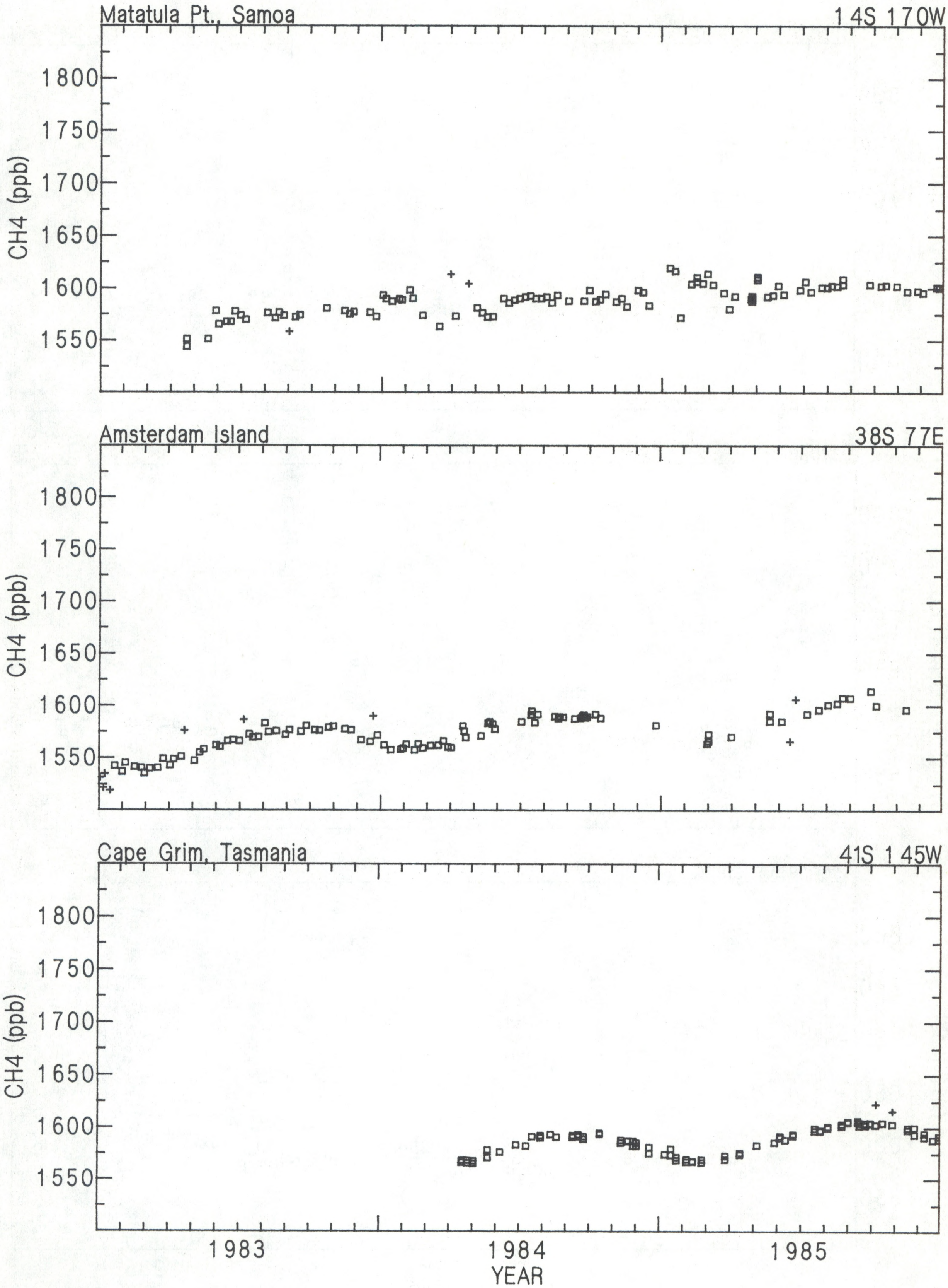

Azores
39N 27W
Scripps, California
33N 117W
Kitt Peak, Arizona
32N 112W
CH4 (ppb)
1800
1750
1700
1650
1600
1550
1983
1984
1985
YEAR

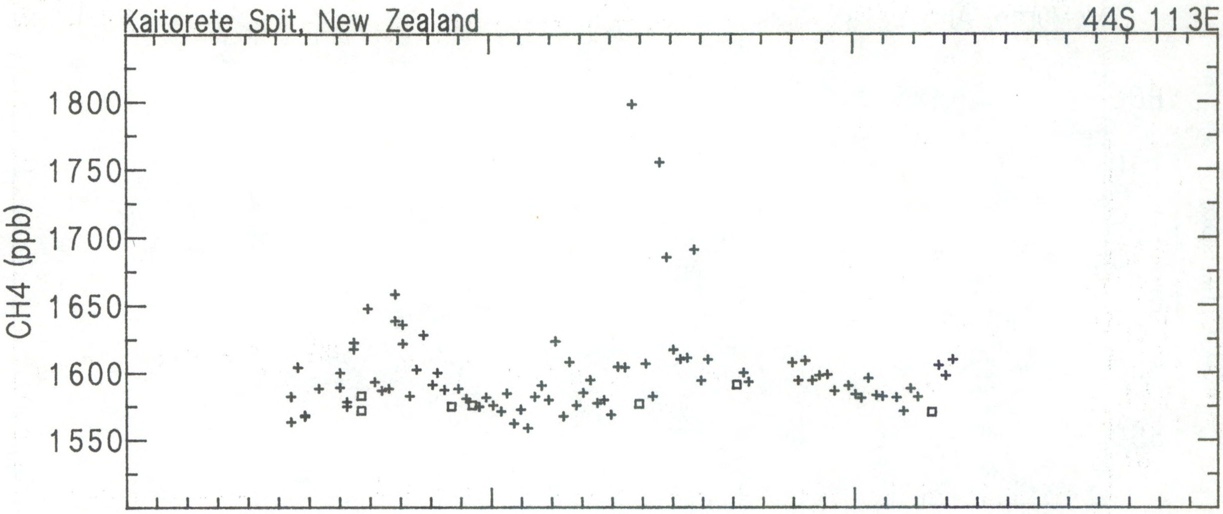


Sand Island, Midway
28N 177W
Key Biscayne, Florida
24N 80W
Mauna Loa, Hawaii
19N 156W
CH4 (ppb)
1800
1750
1700
1650
1600
1550
1983
1984
1985
YEAR

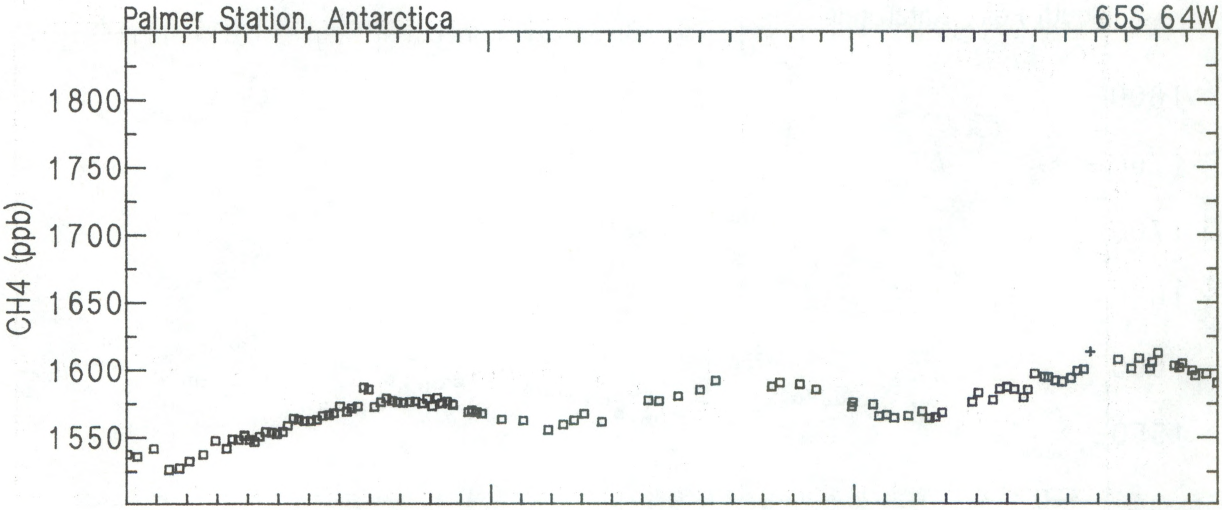

Kumukahi, Hawaii
19N 155W
St. Croix, Virgin Islands
18N 65W
Guam, Mariana Islands
13N 145W
CH4 (ppb)
1800
1750
1700
1650
1600
1550
1983
1984
1985
YEAR


Christmas Island
02N 157W
Seychelles
05S 55E
Ascension Island
08S 14W
CH4 (ppb)
1800
1750
1700
1650
1600
1550
1983
1984
1985
YEAR

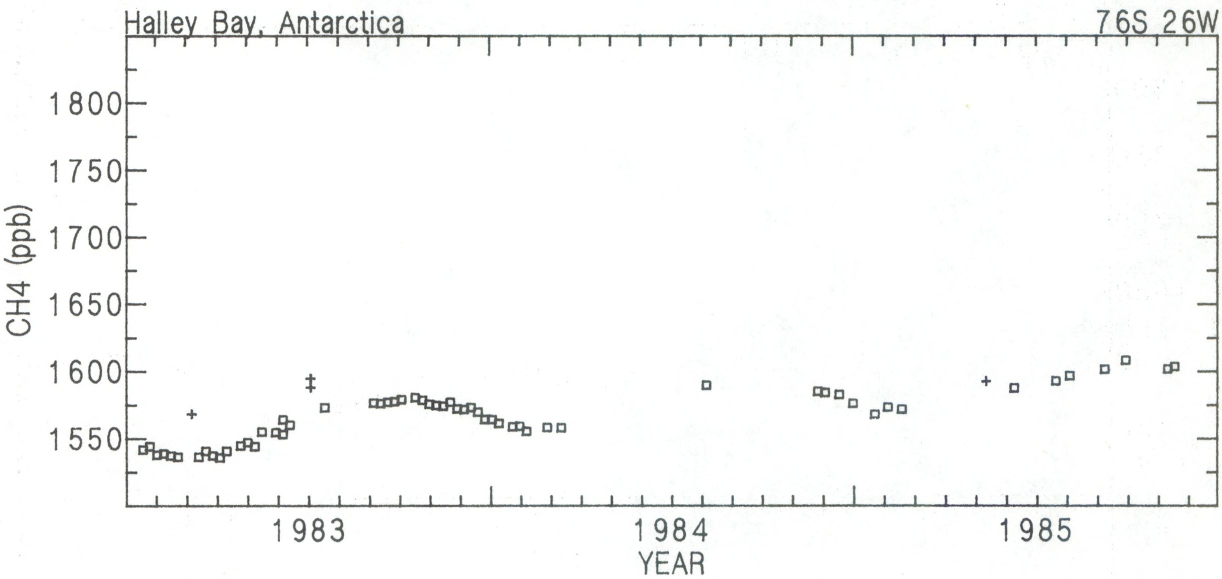

Matatula Pt., Samoa
14S 170W
Amsterdam Island
38S 77E
Cape Grim, Tasmania
41S 145W
CH4 (ppb)
1550
1600
1650
1700
1750
1800
1983
1984
1985
YEAR



Kaitorete Spit, New Zealand
44S 113E
CH4 (ppb)
1800
1750
1700
1650
1600
1550

Palmer Station, Antarctica
65S 64W
CH4 (ppb)
1800
1750
1700
1650
1600
1550

Halley Bay, Antarctica
76S 26W
CH4 (ppb)
1800
1750
1700
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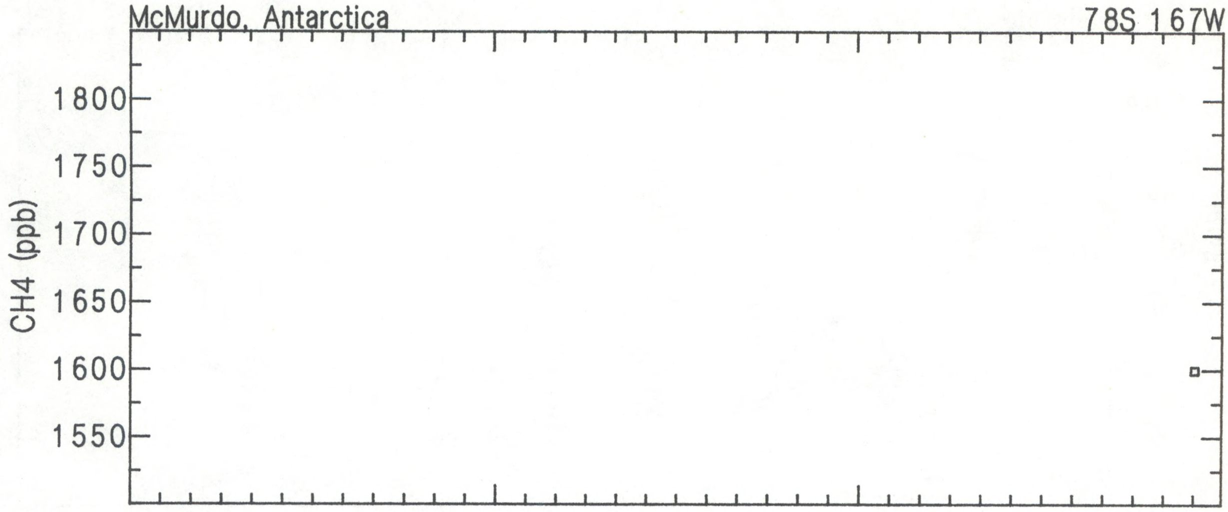


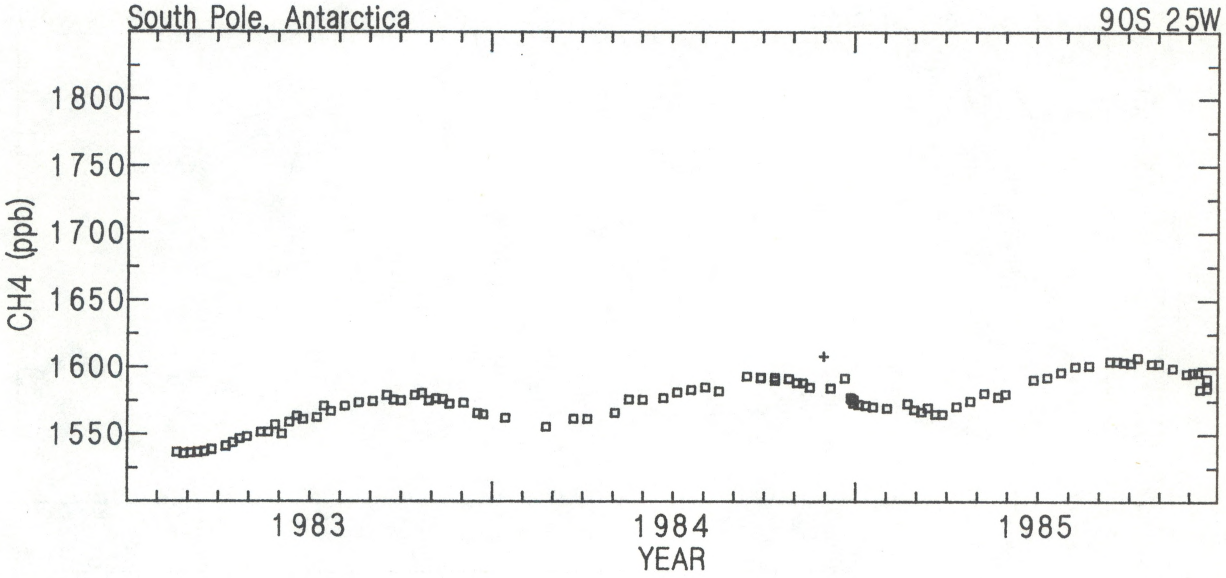




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