



TECHNICAL REPORTS SERIES No. **331**

Statistical Treatment of Data on Environmental Isotopes in Precipitation



INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA, 1992

The cover illustration shows the lighthouse and fort on the island of Valentia, southwest Ireland, in a last century etching (from *Le tour du monde — Nouveau journal des voyages*, Hachette, Paris, 1890). The meteorological station of Valentia has been participating in the IAEA/WMO global network, Isotopes in Precipitation, since the network began.

**STATISTICAL TREATMENT OF DATA
ON ENVIRONMENTAL ISOTOPES
IN PRECIPITATION**

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Printed by the IAEA in Austria
April 1992

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VIC Library Cataloguing in Publication Data

Statistical treatment of data on environmental isotopes in precipitation.

— Vienna : International Atomic Energy Agency, 1992.

p. ; 24 cm. — (Technical reports series, ISSN 0074-1914 ; 331)

STI/DOC/10/331

ISBN 92-0-100892-9

Includes bibliographical references.

1. Precipitation (Meteorology). 2. Oxygen—Isotopes. 3. Hydrogen—Isotopes. 4. Tritium—Isotopes. 5. Deuterium—Isotopes. 6. Meteorology—Statistical methods. I. International Atomic Energy Agency. II. Series: Technical reports series (International Atomic Energy Agency) ; 331.

VICL

92-00012

FOREWORD

This publication is an extended and revised version of the volume entitled *Statistical Treatment of Environmental Isotope Data in Precipitation*, published in 1981 by the IAEA as Technical Reports Series No. 206. It contains a statistical evaluation of isotope and meteorological data accumulated during three decades of operation of the global network, *Isotopes in Precipitation*, which was set up in 1961 by the IAEA in co-operation with the World Meteorological Organization and several national laboratories.

Monthly precipitation samples and meteorological data have been collected by the meteorological services of more than eighty countries. The isotopic analyses were performed by the IAEA's Isotope Hydrology Laboratory and by co-operating laboratories in 17 countries.

Out of 386 stations for which isotope and meteorological data are available, 180 stations were selected for statistical treatment, the results of which are presented in this book. The data accumulated up to the end of 1987 were considered in the treatment. Tables and graphs are presented for each station, illustrating the most characteristic features of the accumulated isotope database.

The data presented in this volume were compiled and prepared for publication by K. Rozanski and L. Araguás-Araguás of the Isotope Hydrology Section of the IAEA. K. Lewis-Goettler of the Systems Development Section prepared the program for numerical treatment of the data and produced the graphs.

Users of the book are encouraged to send suggestions and criticisms to: The Head of the Isotope Hydrology Section, Division of Physical and Chemical Sciences, International Atomic Energy Agency, Wagramerstrasse 5, P.O. Box 100, A-1400 Vienna, Austria.

EDITORIAL NOTE

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INTRODUCTION

The IAEA, in co-operation with the World Meteorological Organization (WMO), is conducting a worldwide survey of hydrogen and oxygen isotope content in precipitation. The programme was initiated in 1958 and became operational in 1961. The main initial objective was the systematic collection of basic data on isotope content of precipitation on a global scale to determine temporal and spatial variations of environmental isotopes in precipitation and, consequently, to provide basic isotope data for the use of environmental isotopes in hydrological investigations within the scope of water resources inventory, planning and development.

Although this primary objective is still thought to be of importance for the future, in recent years two other objectives have become more and more important, namely to provide input data for verification and further improvement of atmospheric circulation models, and for climatological investigations.

The existing data set was provided by 386 meteorological stations constituting a global network in 82 countries. The great majority of data came from the IAEA/WMO network, Isotopes in Precipitation. The latter included at the beginning a total of 151 precipitation stations, and reached a maximum of about 220 active stations in 1963–1964. After a revision in 1977, some stations were discontinued. In the 1980s, the number of IAEA/WMO network stations was oscillating around 80. Approximately the same number of stations belonging to national organizations continued to send their results to the IAEA for publication. Since 1990, approximately 15 new stations, mainly representing regions with poor data coverage, have been incorporated in the network. At present, 75 IAEA/WMO network stations are in operation. Another 68 stations belonging to national organizations also continue to send their results to the IAEA.

The participating stations collect composite total rainfall for each month for tritium, deuterium and ^{18}O analysis. Approximately 50% of the collected precipitation samples are analysed in the IAEA's Isotope Hydrology Laboratory. The isotope and meteorological data collected so far have been published in nine volumes covering the period to the end of 1987 [1–9]. The data are also available on magnetic tape or floppy disks.

The statistical evaluation of isotope and meteorological data accumulated till the end of 1978 was first published in 1981 as IAEA Technical Reports Series No. 206, entitled Statistical Treatment of Environmental Isotope Data in Precipitation [10]. The present volume is an extended and revised version of this publication. The data accumulated till the end of 1987 have been considered in the present evaluation.

Out of 386 stations for which isotope and meteorological data are available, 180 stations were selected for statistical treatment, the results of which are presented in this volume. The selection was based mainly on the length and quality of the avail-

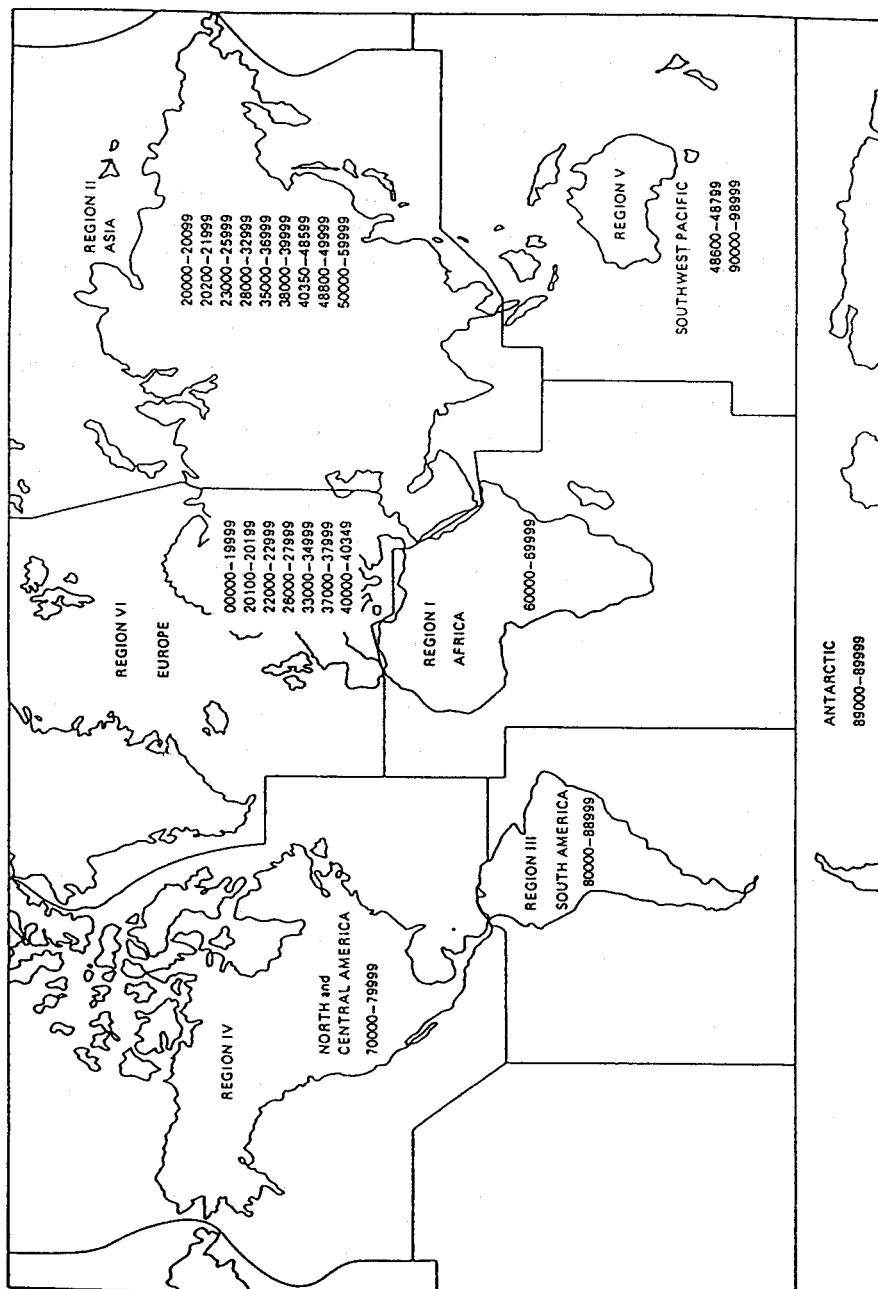


FIG. 1. World map of WMO regions, showing allocation of station index numbers.

able isotope data records. The geographical location of the station was also considered. The adopted minimum length of the record for the stations for which tritium was the only isotope measured was 60 months or 5 complete years. For the stations for which stable isotopes were measured, the minimum length was set at 48 months or 4 full years.

The data gathered by the IAEA/WMO network during the first two years of operation (1961–1962) were reviewed by Dansgaard [11]. He gave a salient phenomenological evaluation of these data, relating the observed distribution of heavy isotopes to a number of environmental parameters characterizing the given sampling site, such as latitude, altitude, distance to the coast, intensity of precipitation and surface air temperature. The reviews which followed [12, 13] essentially confirmed the early findings of Dansgaard. The most recent reviews of the global distribution patterns of tritium and stable isotopes in precipitation [14, 15] are largely based on the results of the statistical treatment presented in this volume.

1. STATION AND SAMPLE INFORMATION

The stations included in the IAEA/WMO network are arranged in accordance with their WMO index numbers (Fig. 1). These numbers have the general format II iii jj, i.e. the block number (II), the station number (iii) and the substation number (jj). The substation number has no equivalent in the WMO index system. When the sampling station corresponds to the location of a WMO station, the substation number will be 00. When a sampling station is located away from any WMO station it is assigned the block and station numbers of the nearest WMO station and is given the substation code number 01, 02, 03, etc.

The latitude and longitude of a station are given in degrees and hundredths. Altitude is given in metres above the mean sea level. Sampling of precipitation on a monthly basis was considered sufficient for a global investigation of the major trends and variations in the isotopic characteristics of precipitation. The meteorological data included in the database consist of the total monthly amount of precipitation (in millimetres), mean monthly surface air temperature (in degrees Celsius) and mean monthly water vapour pressure (in millibars).

The geographical distribution of the 180 stations selected for statistical treatment is shown in Fig. 2. In the regional maps in Figs 3 to 8 (presented at the end of this introduction) the locations and names of the stations are shown.

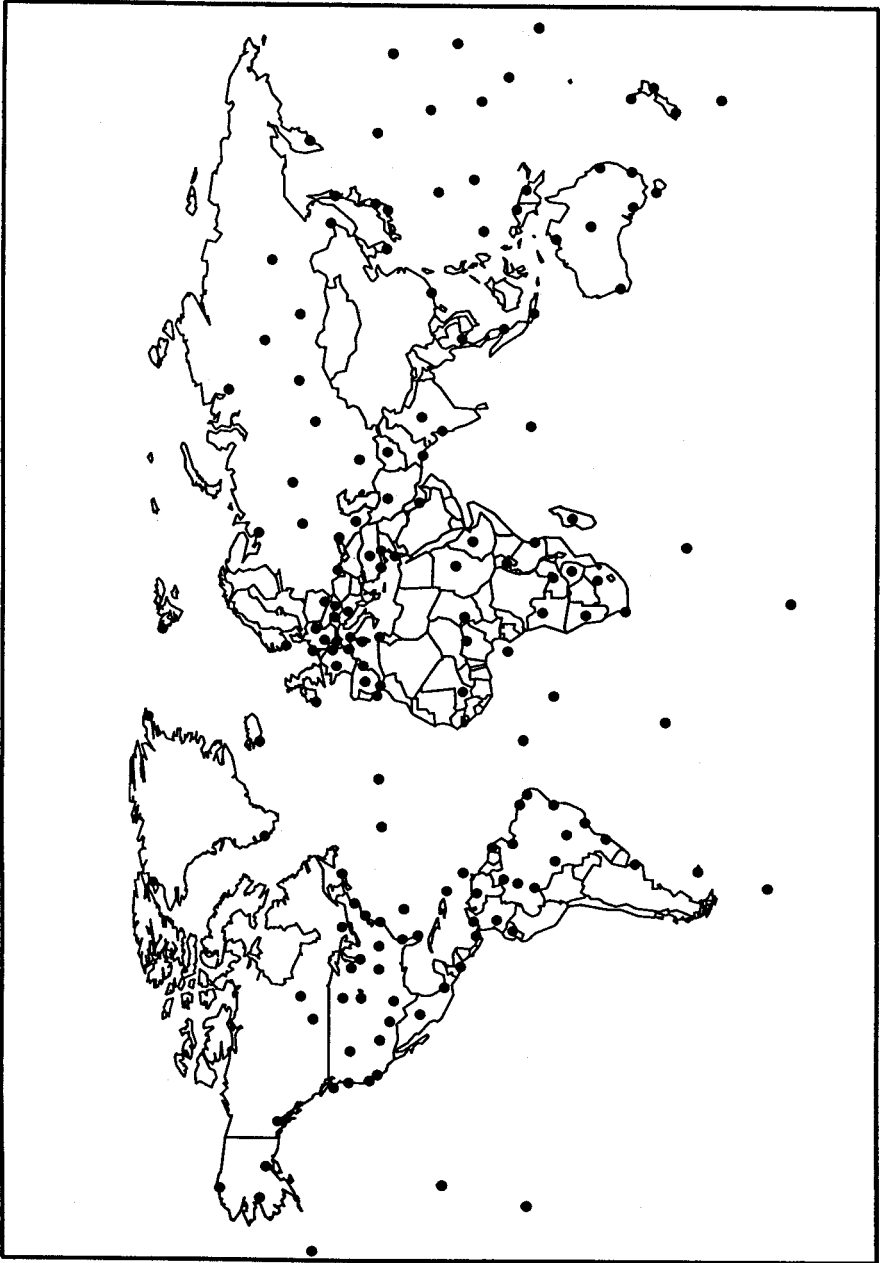


FIG. 2. Geographical distribution of the 180 meteorological stations belonging to the IAEA/WMO network which were selected for statistical treatment.

2. ISOTOPE CONCENTRATIONS

2.1. Tritium concentration

The tritium content is expressed in tritium units (TU). One TU is defined as one atom of ^3H per 10^{18} atoms of ^1H , which is equivalent to 0.118 Bq or 3.193 pCi per litre of water. The tritium half-life has been fixed as 12.43 years [16].

2.2. Deuterium and ^{18}O isotope ratios

The deuterium and ^{18}O isotope ratios (D/H , $^{18}\text{O}/^{16}\text{O}$) are expressed as δ values, i.e. as the per mille deviation from the internationally accepted standard:

$$\delta (\text{‰}) = \frac{R_{\text{sample}} - R_{\text{V-SMOW}}}{R_{\text{V-SMOW}}} \times 10^3$$

where $R = \text{D}/\text{H}$ or $^{18}\text{O}/^{16}\text{O}$. The reference standard used is called Vienna Standard Mean Ocean Water (V-SMOW) as defined by Craig [17] and Gonfiantini [18].

2.3. Deuterium excess

The deuterium excess, d , is calculated on the basis of the relationship between deuterium and ^{18}O content in fresh water on a global scale, as defined by Dansgaard [11]:

$$d = \delta\text{D} - 8\delta^{18}\text{O}$$

3. DATA PROCESSING

The data set used for statistical treatment was extracted from the master file containing isotope and meteorological data for the 386 stations included in the database. The numerical calculations were performed on a mainframe computer after removal of obvious erroneous values from the original database (Section 4). A duplicate version of the cleaned database was prepared in a PC compatible format. The graphs for each station (Section 6) were prepared using this version.

4. DATA CLEANING

The quality of the isotope and meteorological data available for the 180 stations selected for statistical evaluation was carefully analysed. In the first instance obvious

errors in the database (typing mistakes, reversed signs, etc.) were corrected. The second part of the data cleaning procedure consisted of rejection of outliers, identified according to the chosen statistical criteria. In a few cases, a substantial portion of the available data record had to be removed from the database. This concerns the stations Kaitaia and Invercargill (New Zealand), where errors in the sample collection procedure had been identified. The data for these stations have already been critically analysed by Taylor [19] and the rejections proposed by him are adopted in the present evaluation.

4.1. Meteorological data

The criteria adopted to detect outliers in the meteorological database were based on the comparison of available data with the long term statistics for yearly and monthly means. An anomalously high standard deviation was considered as an indication of the presence of outliers. In some cases whole blocks of apparently erroneous data were removed or replaced (e.g. for San Salvador, Wake Island and Ottawa).

4.2. Isotope data

The procedures adopted for detecting and removing outliers from the isotope database were different for tritium and stable isotopes. In the case of tritium the rejection was based on the comparison of individual monthly values with the adjacent data in the record. Several months before and after the suspected data point were considered. The long term trend in the tritium concentration was derived using a 12 month moving average and was applied to identify anomalous values in the record. Single points lying far from the long term trend were removed from the record for the given station.

The quality of the stable isotope database was assessed using several criteria:

Case I: for a given station data on only one isotope were available. In this case the median, upper and lower quartiles and interquartile range were calculated. Further, a given value was defined as an outlier if it was situated more than 1.5 times the interquartile range above the upper quartile.

The negative outliers, i.e. strongly depleted isotope ratios, although lying far from the centre of the data, were considered as true values representing original isotope ratios in precipitation. The depleted deuterium and ^{18}O isotope ratios in precipitation may be related to extreme atmospheric conditions, either low temperatures or circulation patterns of particular air masses. On the other hand, abnormally enriched isotope ratios in most cases are a consequence of evaporation of rainwater after precipitation (in the rain gauge before collection, or during handling, shipment or storage). Thus, such values do not represent the original isotopic composition of the precipitation and should be discarded.

Case II: for a given station both deuterium and ^{18}O data were available. In this case, the procedure described above was extended by examining the data points plotted on the $\delta\text{D}-\delta^{18}\text{O}$ diagram. All points lying outside the 3σ band of the regression line calculated for the examined set of data were classified as outliers and removed from the database.

All isotope values identified as outliers according to these criteria were discarded in the numerical treatment of the data. They are, however, listed for each station in order to allow the reader an independent assessment of the quality of the data.

5. NUMERICAL TREATMENT

The numerical treatment of the isotope and meteorological data available for each selected station includes calculation of arithmetic and weighted means (weighting by amount of precipitation) on annual and monthly bases. The results are reported for each station in two separate tables. Several linear regressions between the isotope and meteorological variables are also calculated and reported for each station.

5.1. Yearly means

The table of yearly means contains arithmetic and weighted annual averages of tritium, ^{18}O , deuterium, deuterium excess, surface air temperature and water vapour pressure.

The weighted mean values are computed as:

$$\bar{\delta}_w = \frac{\sum_{i=1}^n P_i \delta_i}{\sum_{i=1}^n P_i}$$

where P_i and δ_i represent the monthly precipitation and its δ value. In the case of tritium, the monthly concentration in tritium units was used instead of the δ value. The second column in the table of yearly means contains the total precipitation for the given year. The figure in brackets below indicates the number of months for which information about precipitation is available for a given year. The numbers in brackets below the temperature and vapour pressure columns give analogous information.

For the arithmetic and weighted averages of tritium, ^{18}O , deuterium and deuterium excess, the pairs of figures in brackets represent the percentage of available annual precipitation which was analysed for a given isotope and the number of analysed monthly precipitation samples, respectively. If the precipitation amount was not available for a given year, the long term mean value was used to estimate the percentage.

The long term means for isotope and meteorological data are reported in the last two rows of the table. They were calculated considering only the years for which more than 70% of precipitation was analysed for a given isotope or, in the case of temperature and vapour pressure, if the number of months with available meteorological data was larger than 8.

5.2. Monthly means

The table of monthly means contains long term monthly arithmetic means of precipitation amount, ^{18}O , deuterium, deuterium excess, surface air temperature and water vapour pressure. Also, the standard deviation and the number of accepted values for all the parameters considered are reported in the table.

5.3. Correlations

A number of linear correlations among isotope and meteorological variables have been calculated for each station. They include:

- (1) Logarithms of the monthly tritium concentrations at a given station versus those for Vienna (for stations located in the Northern Hemisphere) or Kaitoke (for stations in the Southern Hemisphere),
- (2) The same as (1) but using logarithms of yearly tritium weighted means,
- (3) Monthly values of deuterium content versus the amount of monthly precipitation,
- (4) Monthly values of ^{18}O content versus the amount of monthly precipitation,
- (5) Monthly values of deuterium content versus monthly temperature,
- (6) Monthly values of ^{18}O content versus monthly temperature,
- (7) Monthly deuterium versus monthly ^{18}O content — least squares fit,
- (8) Monthly deuterium versus monthly ^{18}O content — reduced major axis.

Two methods of linear correlation have been applied to correlate deuterium and ^{18}O data: the least squares fit (LSF) and the orthogonal regression, sometimes known as the reduced major axis (RMA) line.

The following equations were used to calculate parameters of the best fit line $y = ax + b$:

Least squares fit

The slope and its standard deviation are given by:

$$a = \frac{\Sigma xy - \Sigma x \Sigma y/n}{\Sigma x^2 - (\Sigma x)^2/n}$$

$$\sigma_a = \frac{S_{y,x}}{[\Sigma x^2 - (\Sigma x)^2/n]^{1/2}}$$

where $S_{y,x}$ is the standard error of the estimate (S.E.E.) of y on x :

$$S_{y,x} = \left(\frac{\Sigma y^2 - b\Sigma y - a\Sigma xy}{n - 2} \right)^{1/2}$$

The intercept and its standard deviation are given by:

$$b = \Sigma y/n - a\Sigma x/n = \bar{y} - a\bar{x}$$

$$\sigma_b = S_{y,x} \left(\frac{\Sigma x^2}{n[\Sigma x^2 - (\Sigma x)^2/n]} \right)^{1/2}$$

The correlation coefficient r is defined as follows:

$$r^2 = \frac{(\Sigma xy - \Sigma x \Sigma y/n)^2}{[\Sigma x^2 - (\Sigma x)^2/n] [\Sigma y^2 - (\Sigma y)^2/n]}$$

Orthogonal regression

The slope and its standard deviation are given by:

$$a = \frac{S_y}{S_x} = \left(\frac{\Sigma y^2 - (\Sigma y)^2/n}{\Sigma x^2 - (\Sigma x)^2/n} \right)^{1/2}$$

$$\sigma_a = a \left(\frac{1 - r^2}{n} \right)^{1/2}$$

where S_y , S_x stand for the standard deviations of y and x .

The intercept and its standard deviation are given by:

$$b = \bar{y} - a\bar{x}$$

$$\sigma_b = S_y \left[\frac{1 - r}{n} \left(2 + \bar{x}^2 \frac{1 + r}{S_x^2} \right) \right]^{1/2}$$

6. GRAPHS

The numerical information reported for each station is accompanied by plots illustrating the most characteristic features of the analysed data. For the stations with a complete set of isotope data (tritium, deuterium and ^{18}O), four plots are presented. Out of 180 stations analysed, in two cases only stable isotopes were measured, whereas for 15 stations only tritium is available. The graphs are presented in the following order:

- Long term trend in tritium concentration
- Deuterium versus ^{18}O content in monthly precipitation
- Distribution of long term monthly means of ^{18}O content
- Frequency distribution of monthly $\delta^{18}\text{O}$ values.

6.1. Long term trend in tritium concentration

The long term trend in tritium concentration at a given station has been extracted from the original data set by applying a 12 month moving average. The vertical axis of the plot has a logarithmic scale. The period of time covered by most of these stations ranges from 1960 to 1987. In a few cases, the record goes back to the 1950s (Ottawa, 1953; Rarotonga, 1957; Djajapura, 1957; Pôrto Alegre, 1958; Barbados, 1959).

For comparison purposes, each plot also contains a reference station curve (thick line). Vienna and Kaitoke were selected as reference stations for the Northern and Southern Hemispheres, respectively. This distinction was not strictly followed in the case of the stations located close to the Equator; in some cases, marine stations located in the Northern Hemisphere were compared with Kaitoke because the recorded tritium levels in precipitation were closer to those recorded at this reference station.

6.2. Deuterium versus ^{18}O content in monthly precipitation

The graph shows the relationship between monthly δD and $\delta^{18}\text{O}$ values available for a given station. The regression line of the data points (LSF method) is presented together with the World Meteoric Water Line (thick line) defined by Craig [20] as $\delta\text{D} = 8\delta^{18}\text{O} + 10$.

6.3. Distribution of long term monthly means of ^{18}O content

The plot illustrates seasonal variability of ^{18}O content in precipitation for a given station. Distribution of $\delta^{18}\text{O}$ within individual months is shown in the form of a box-and-whisker plot. In this presentation the central box covers the middle 50%

of the data values, between the lower and upper quartiles. The 'whiskers' extend out to the extremes (minimum and maximum values), while the central line is at the median. The outliers occurring far away from the bulk of the data are plotted as separate points. In this case, the whiskers extend only to those points that are within 1.5 times the interquartile range.

6.4. Frequency distribution of monthly $\delta^{18}\text{O}$ values

The graph shows a frequency distribution histogram of all accepted $\delta^{18}\text{O}$ values for a given station. Only stations having an ^{18}O record longer than 30 values were considered in this case. The class interval of the histograms was chosen according to standard statistical procedures.

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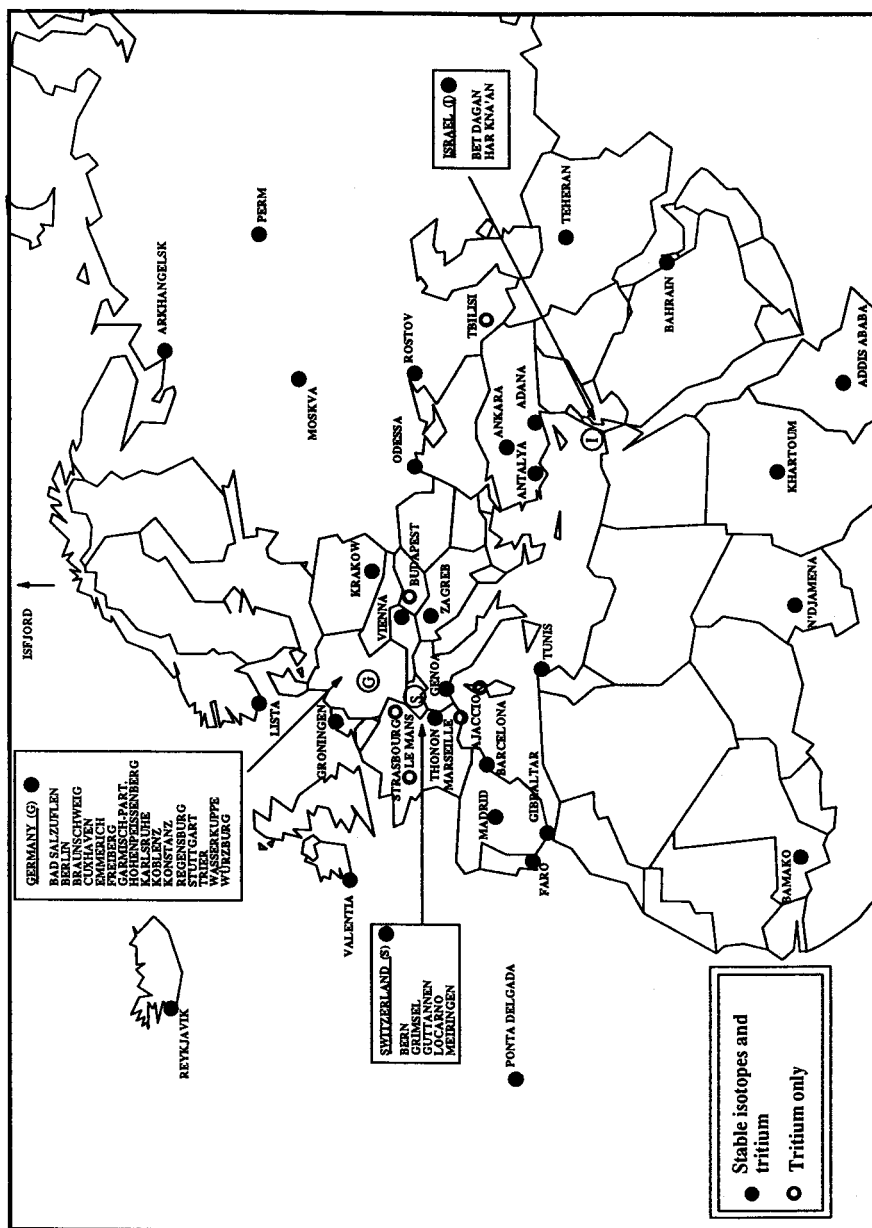


FIG. 3. Europe: stations of the IAEA/WMO network selected for statistical treatment.

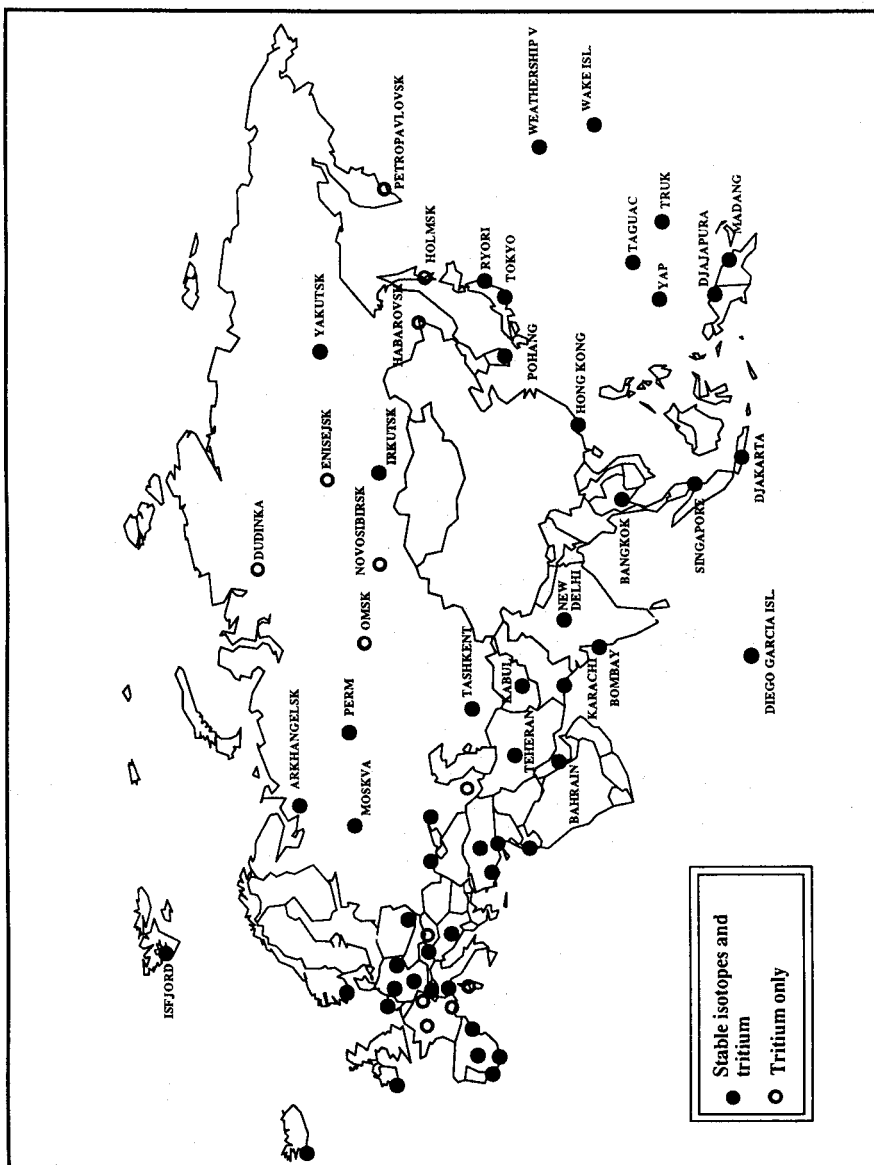


FIG. 4. Asia: stations of the IAEA/WMO network selected for statistical treatment.

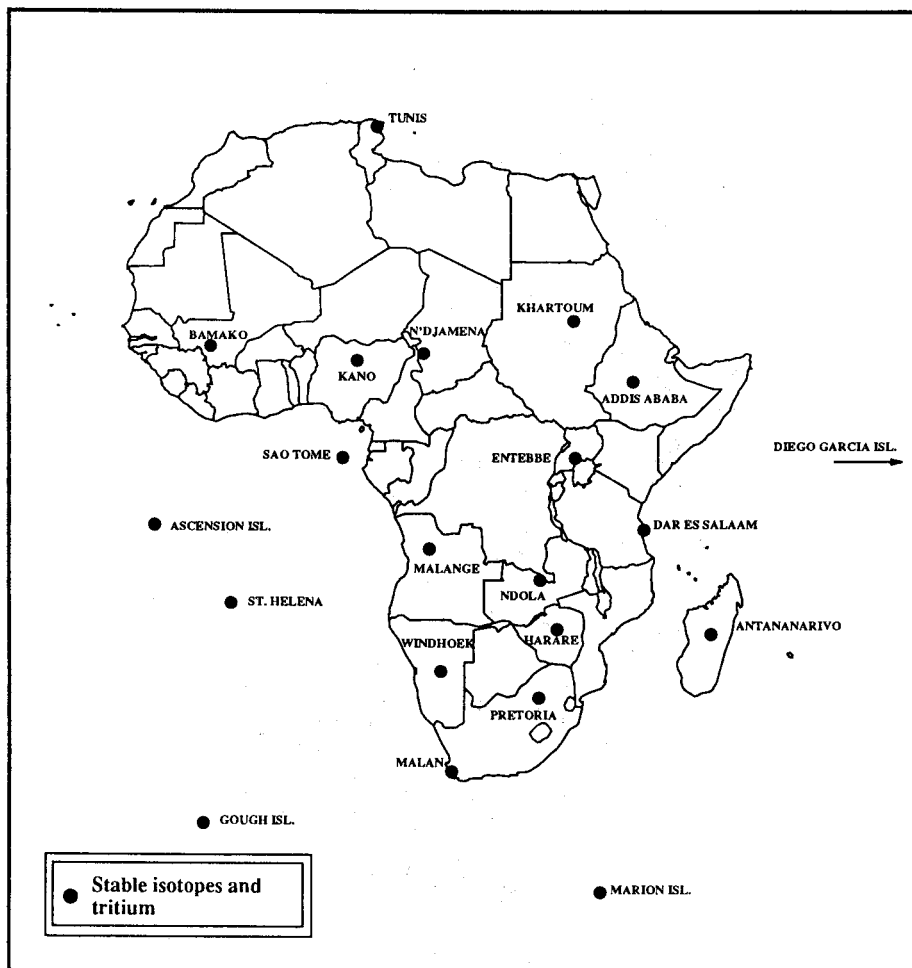


FIG. 5. Africa: stations of the IAEA/WMO network selected for statistical treatment.

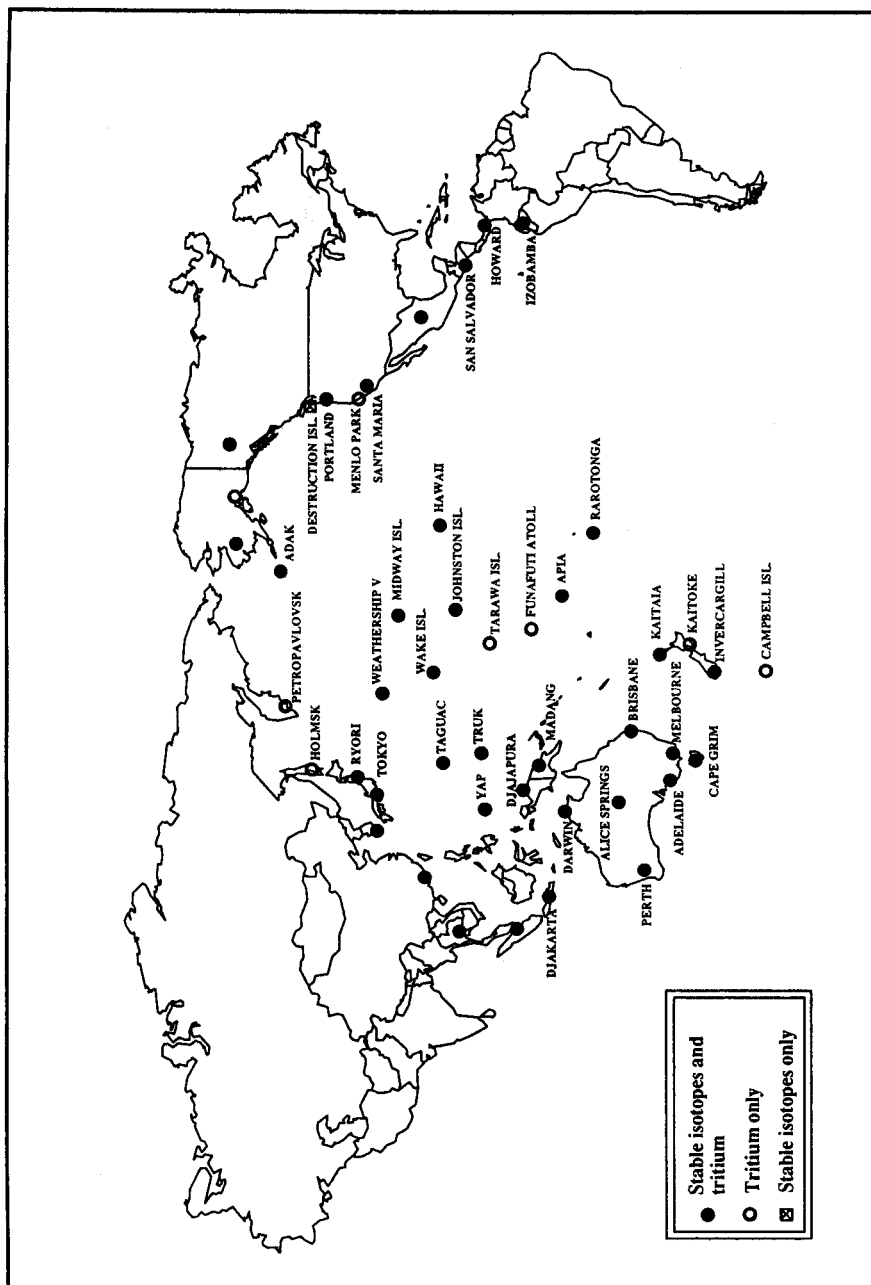


FIG. 6. Pacific region: stations of the IAEA/WMO network selected for statistical treatment.

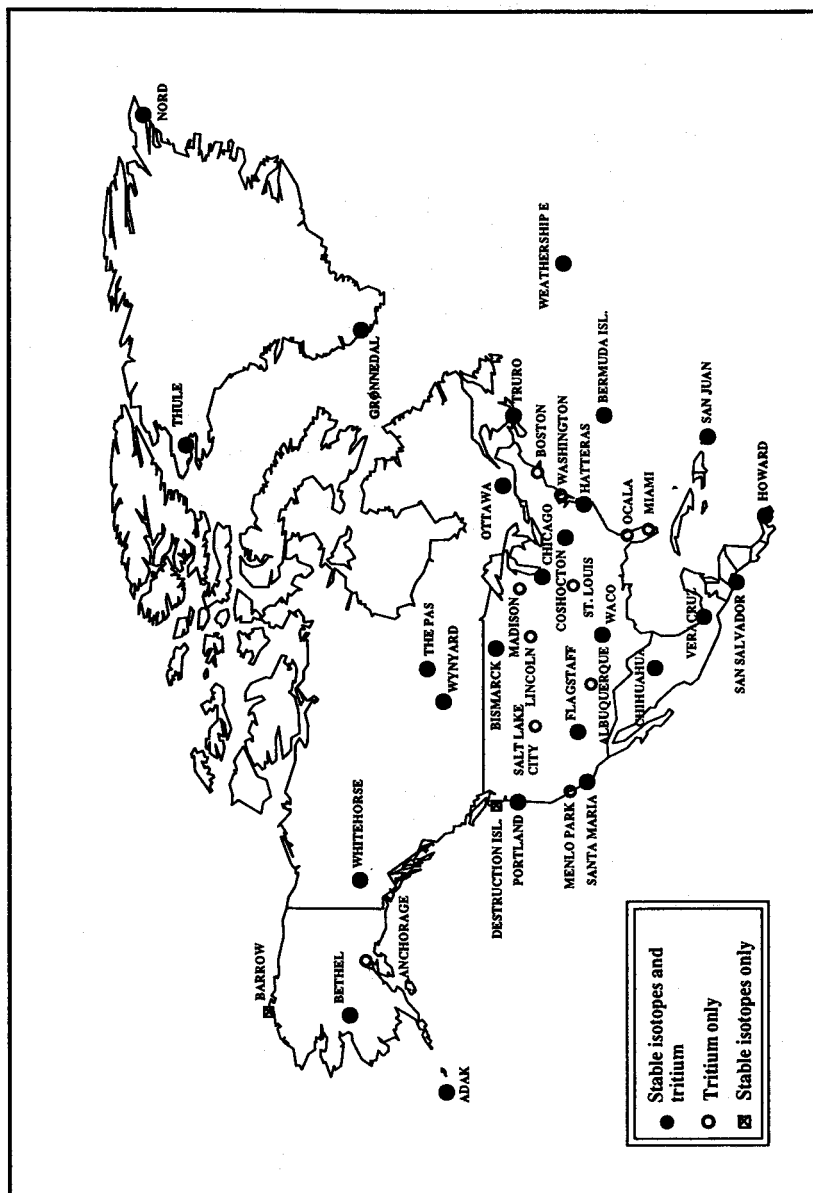


FIG. 7. North America: stations of the IAEA/WMO network selected for statistical treatment.



FIG. 8. South America: stations of the IAEA/WMO network selected for statistical treatment.

STATISTICAL DATA

0100500 ISFJORD RADIO, NORWAY

Lat. 78.07N Long. 13.63E Alt. 6 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	540 (12)									-3.8 (12)	4.3 (12)
1961	542 (12)	75.3 (40.9/4)	87.9	-7.39 (53.8/5)	-7.52	-52.0 (53.8/5)	-54.1	7.2 (53.8/5)	6.1	-4.5 (12)	4.3 (12)
1962	399 (12)	472.7 (74.9/8)	512.0	-10.58 (71.9/8)	-10.70	-77.8 (71.9/8)	-79.2	6.8 (71.9/8)	6.5	-6.1 (12)	3.4 (12)
1963	488 (12)	1876.9 (100.0/12)	1834.5	-9.23 (100.0/12)	-8.86	-63.4 (100.0/12)	-61.1	10.5 (100.0/12)	9.9	-6.7 (12)	3.4 (12)
1964	421 (12)	998.9 (70.5/8)	1420.3	-7.75 (97.6/11)	-8.82	-53.9 (97.6/11)	-62.0	8.1 (97.6/11)	8.7	-4.6 (12)	3.9 (12)
1965	526 (12)	416.7 (76.4/10)	500.1	-10.30 (92.3/11)	-10.07	-64.1 (71.6/9)	-66.8	16.4 (71.6/9)	12.1	-5.4 (12)	3.7 (12)
1966	372 (12)	250.4 (91.1/9)	293.0	-10.76 (100.0/12)	-11.51					-6.8 (12)	3.5 (12)
1967	595 (12)	180.1 (62.5/7)	179.2	-9.56 (79.6/9)	-9.59					-5.7 (12)	3.8 (12)
1968	371 (12)	141.9 (98.1/11)	149.4							-8.1 (12)	3.3 (12)
1969	546 (12)	102.5 (100.0/12)	111.0							-6.2 (12)	4.0 (12)
1970	465 (12)	130.0 (94.4/10)	115.8							-5.3 (12)	4.0 (12)
1971	433 (12)	117.6 (96.5/11)	109.8							-5.7 (12)	3.8 (12)
1972	843 (12)	490.6 (48.1/6)	432.4	-10.39 (15.3/2)	-11.08	-71.0 (15.3/2)	-77.7	12.2 (15.3/2)	11.0	-2.3 (12)	4.6 (12)
1973	433 (12)	100.3 (97.4/11)	94.5	-9.02 (100.0/12)	-10.13	-64.4 (100.0/12)	-70.5	7.8 (100.0/12)	10.5	-4.9 (12)	3.9 (12)
1974	503 (12)	177.5 (100.0/12)	188.3	-7.75 (100.0/12)	-7.87	-57.6 (100.0/12)	-59.5	4.5 (100.0/12)	3.5	-2.7 (12)	4.3 (12)
1975	358 (12)	75.1 (38.8/5)	81.4	-11.52 (36.0/4)	-11.25	-83.6 (36.0/4)	-81.8	8.6 (36.0/4)	8.3	-5.2 (12)	3.7 (12)
1976	468 (12)	32.9 (15.5/3)	33.7							-3.3 (12)	4.0 (12)
Long Term Means 488				-9.17	-9.55	-59.9	-63.3	7.7	8.2	-5.1	3.9
σ				1.15	1.17	5.0	4.9	2.5	3.1	1.5	0.3

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	47	17	-9.63	1.32	7	-63.7	15.9	5	14.4	4.9	5	-12.0	4.5	17	2.0	0.9	17
Feb	42	17	-10.45	2.43	8	-67.3	20.4	6	10.7	4.2	6	-12.8	3.0	17	1.8	0.5	17
Mar	43	17	-11.11	4.58	7	-63.4	27.3	5	11.9	4.3	5	-12.1	4.2	17	2.0	0.8	17
Apr	30	17	-9.95	1.79	8	-63.0	16.0	6	13.1	4.0	6	-9.6	2.4	17	2.3	0.4	17
May	24	17	-8.06	2.73	8	-61.7	18.9	6	4.9	6.6	6	-3.3	1.7	17	3.8	0.6	17
Jun	31	17	-8.68	3.04	8	-70.2	23.2	6	6.0	4.5	6	1.6	1.0	17	5.9	0.4	17
Jul	46	17	-7.53	1.64	9	-55.5	11.1	7	0.4	3.0	7	4.7	0.9	17	7.4	0.5	17
Aug	49	17	-8.68	2.27	9	-62.8	9.7	7	3.2	8.0	7	4.2	0.6	17	7.1	0.5	17
Sep	50	17	-8.99	2.71	9	-63.4	15.1	7	4.2	8.0	7	1.0	1.2	17	5.6	0.7	17
Oct	41	17	-10.44	3.63	8	-70.2	23.7	7	10.4	7.5	7	-4.2	2.9	17	3.4	0.8	17
Nov	40	17	-11.70	4.30	8	-80.4	34.1	6	9.7	5.0	6	-8.0	3.2	17	2.6	0.6	17
Dec	47	17	-10.92	1.37	9	-71.9	10.3	7	14.4	5.1	7	-10.6	3.6	17	2.1	0.7	17

CORRELATIONS

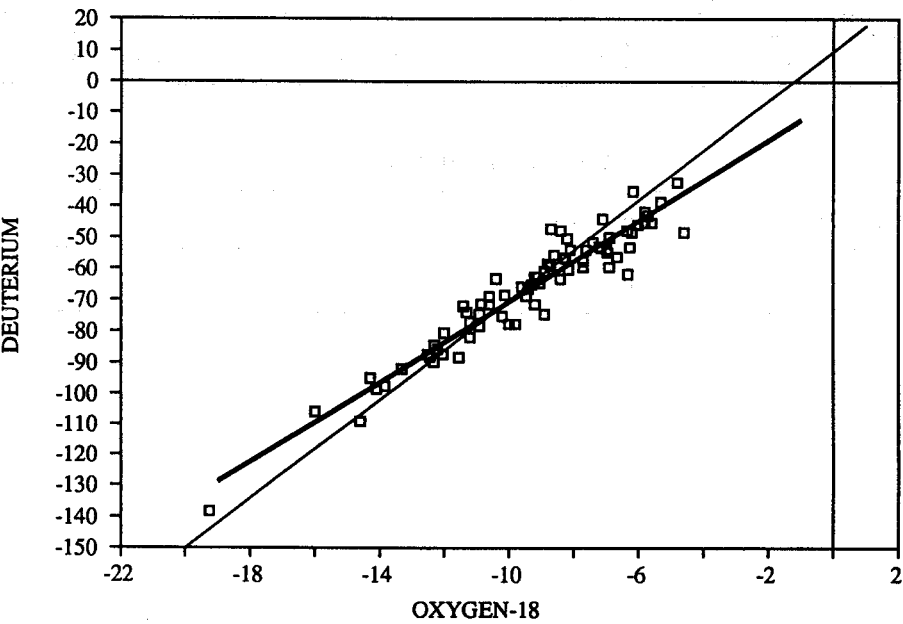
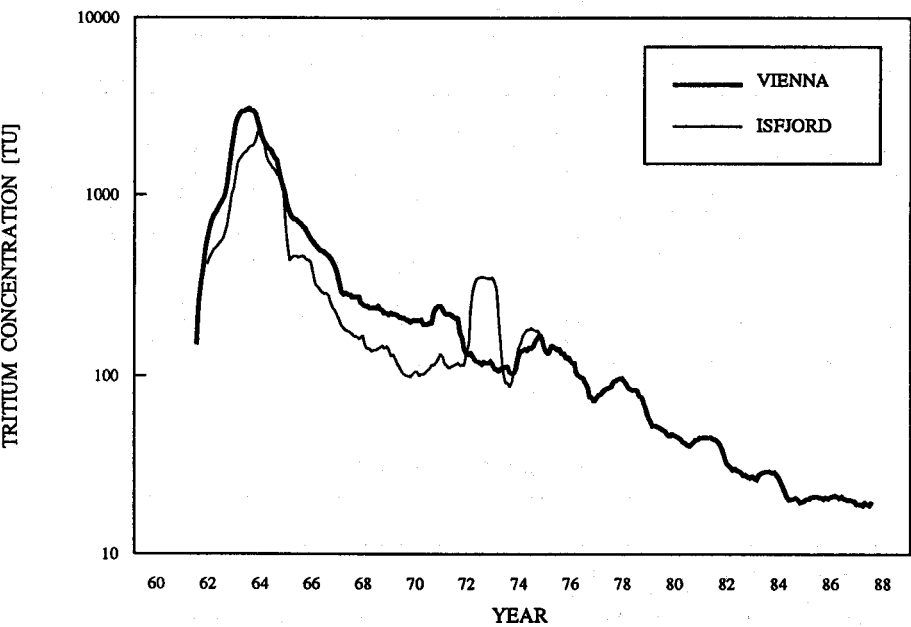
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	134	0.84	0.05	0.21	0.14	0.641	0.30
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.86	0.10	0.15	0.26	0.911	0.13
3) Monthly Deut vs. Monthly Precipitation	75	0.21	0.08	-74.81	4.03	0.081	18.32
4) Monthly Oxyg-18 vs. Monthly Prec	98	0.02	0.01	-10.56	0.53	0.042	2.88
5) Monthly Deut vs. Monthly Temperature	75	0.60	0.34	-63.56	2.59	0.041	18.72
6) Monthly Oxyg-18 vs. Monthly Temp	98	0.18	0.04	-8.80	0.33	0.169	2.68
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	75	6.46	0.23	-5.98	2.24	0.915	5.57
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	75	6.75	0.23	-3.25	2.30	0.915	5.57

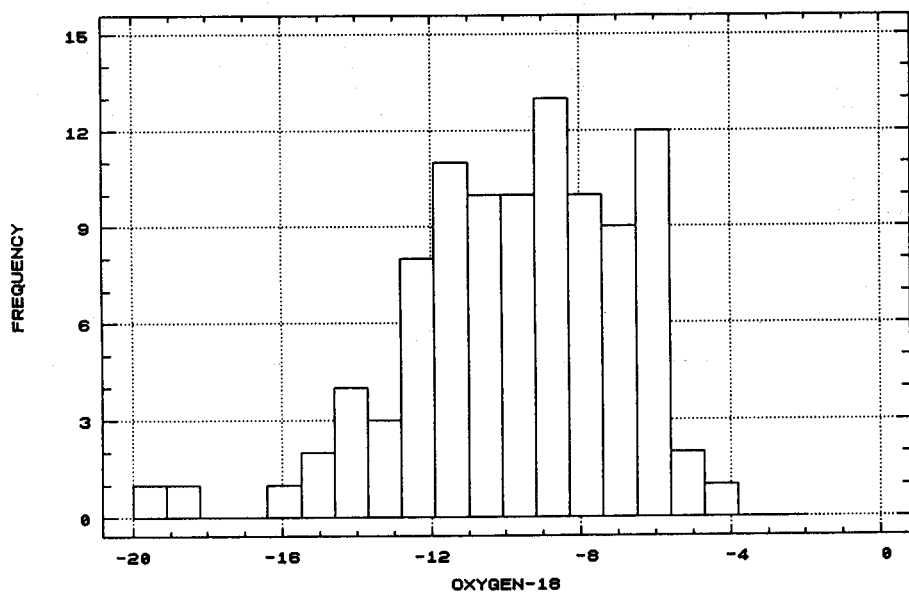
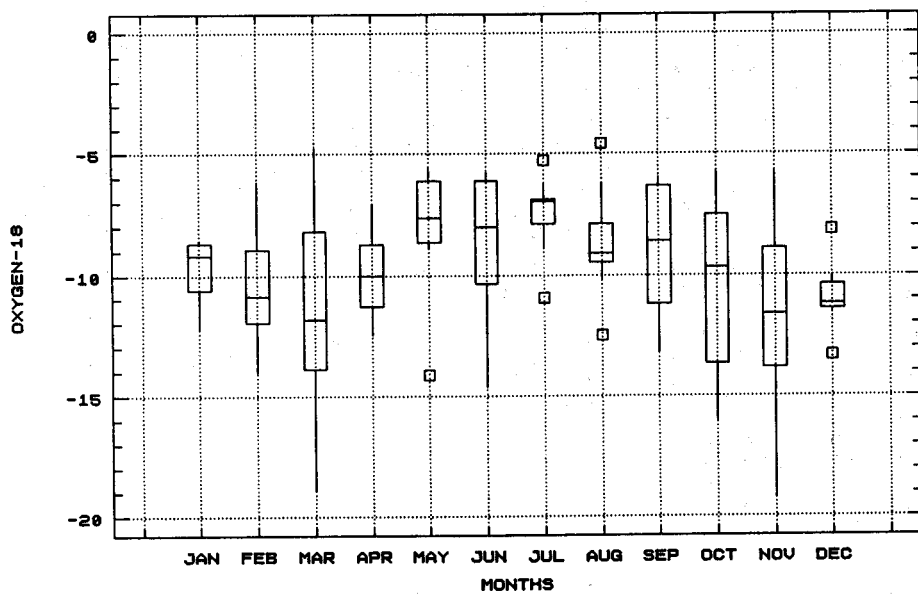
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
65 / 3	-15.60	-87.3		

0100500 ISFJORD RADIO, NORWAY

Lat. 78.07N Long. 13.63E Alt. 6 m a.s.l.





0142700 LISTA, NORWAY

Lat. 58.10N Long. 6.57E Alt. 13 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1961	1360 (12)	78.9 (93.1/11)	78.5 (93.1/11)	-6.93 (93.1/11)	-6.85 (93.1/11)	-46.9 (93.1/11)	-46.0 (93.1/11)	8.5 (93.1/11)	8.9 (93.1/11)	8.2 (12)	9.5 (12)
1962	1137 (12)	404.0 (66.4/7)	428.6 (66.4/7)	-7.49 (80.4/9)	-7.13 (80.4/9)	-51.5 (80.4/9)	-48.5 (80.4/9)	8.5 (80.4/9)	8.6 (80.4/9)	7.1 (12)	8.8 (12)
1963	928 (12)	1932.3 (100.0/12)	1524.0 (100.0/12)	-7.10 (100.0/12)	-7.28 (100.0/12)	-51.5 (89.0/11)	-51.7 (89.0/11)	4.9 (89.0/11)	6.3 (89.0/11)	6.6 (12)	8.8 (12)
1964	880 (12)	833.1 (92.5/10)	815.8 (92.5/10)	-6.19 (100.0/12)	-6.00 (100.0/12)	-43.1 (100.0/12)	-43.3 (100.0/12)	6.4 (100.0/12)	4.8 (100.0/12)	7.6 (12)	9.2 (12)
1965	803 (12)	478.0 (69.4/8)	467.7 (69.4/8)	-8.23 (100.0/12)	-8.05 (100.0/12)	-55.8 (100.0/12)	-54.7 (100.0/12)	10.0 (100.0/12)	9.8 (100.0/12)	6.9 (12)	9.1 (12)
1966	1008 (12)	248.1 (100.0/12)	265.5 (100.0/12)	-6.83 (96.0/11)	-6.88 (96.0/11)	-70.3 (8.2/2)	-62.6 (8.2/2)	5.4 (8.2/2)	6.7 (8.2/2)	6.5 (12)	9.0 (12)
1967	1598 (12)	124.4 (100.0/12)	132.3 (100.0/12)	-6.09 (77.5/10)	-6.22 (77.5/10)					7.9 (12)	10.1 (12)
1968	1083 (12)	107.8 (100.0/12)	114.5 (100.0/12)							7.4 (12)	9.4 (12)
1969	892 (12)	109.7 (100.0/12)	121.0 (100.0/12)							6.9 (12)	9.5 (12)
1970	1110 (12)	88.5 (100.0/12)	92.7 (100.0/12)							6.6 (12)	8.9 (12)
1971	915 (12)	116.2 (90.3/11)	134.1 (90.3/11)							7.9 (12)	8.0 (12)
1972	958 (12)	198.7 (66.9/7)	233.3 (66.9/7)	-5.17 (23.9/2)	-5.18 (23.9/2)	-35.3 (23.9/2)	-35.1 (23.9/2)	6.1 (23.9/2)	6.3 (23.9/2)	7.7 (12)	9.4 (12)
1973	939 (12)	244.3 (91.1/11)	243.2 (91.1/11)	-6.16 (85.1/10)	-5.96 (85.1/10)	-41.5 (85.1/10)	-40.3 (85.1/10)	7.8 (85.1/10)	7.4 (85.1/10)	7.8 (12)	9.4 (12)
1974	1232 (12)	120.1 (99.7/11)	114.6 (99.7/11)	-6.56 (89.6/10)	-6.20 (89.6/10)	-46.5 (89.6/10)	-44.8 (89.6/10)	6.0 (89.6/10)	4.8 (89.6/10)	8.4 (12)	8.7 (12)
1975	1207 (12)	66.2 (100.0/12)	72.0 (100.0/12)	-7.00 (100.0/12)	-5.83 (100.0/12)	-50.1 (100.0/12)	-41.5 (100.0/12)	5.9 (100.0/12)	5.2 (100.0/12)	8.7 (12)	9.0 (12)
1976	964 (12)	23.5 (45.0/5)	27.4 (45.0/5)	-7.56 (99.6/11)	-6.83 (99.6/11)	-50.5 (99.6/11)	-44.4 (99.6/11)	10.0 (99.6/11)	10.3 (99.6/11)	7.2 (12)	8.4 (12)
1977	1162 (12)	69.5 (72.8/10)	105.1 (72.8/10)	-6.78 (38.4/7)	-6.66 (38.4/7)	-46.6 (38.4/7)	-45.5 (38.4/7)	7.7 (38.4/7)	7.9 (38.4/7)	7.2 (12)	8.7 (12)
1978	990 (12)	85.4 (87.0/10)	105.1 (87.0/10)							7.0 (12)	8.8 (12)
1979	1205 (12)									6.1 (12)	8.2 (12)
1980	136 (5)										
Long Term Means 1025				-6.89	-6.66	-48.6	-46.2	7.5	7.3	7.4	9.0
σ				0.66	0.68	4.5	4.7	1.9	2.1	0.7	0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	84	20	-7.15	1.46	11	-49.7	8.3	10	8.0	5.4	10	0.8	2.5	20	5.7	1.2	20
Feb	51	20	-7.27	1.60	11	-48.9	14.2	10	8.4	3.1	10	0.2	2.6	20	5.3	1.2	20
Mar	62	20	-6.37	1.21	11	-46.4	9.4	9	4.8	5.4	9	2.1	1.6	20	5.8	1.0	19
Apr	65	20	-6.36	1.31	8	-45.8	10.2	7	4.1	3.6	7	5.0	1.1	20	6.8	0.8	19
May	72	20	-5.81	1.57	12	-43.6	10.6	10	4.7	4.4	10	9.1	1.0	20	9.3	0.7	19
Jun	63	19	-5.14	0.96	12	-34.2	7.8	10	7.0	2.9	10	12.5	1.0	19	12.1	0.8	19
Jul	81	19	-5.27	1.92	11	-35.3	14.8	9	6.4	4.0	9	13.8	1.1	19	13.2	1.2	19
Aug	94	19	-6.23	1.38	10	-42.8	12.3	8	7.1	3.5	8	14.7	1.3	19	13.8	1.5	19
Sep	129	19	-7.21	1.66	11	-52.8	14.5	8	6.8	5.0	8	12.2	0.9	19	11.7	1.4	19
Oct	119	19	-7.02	1.83	11	-49.0	14.0	9	8.0	3.5	9	9.3	1.2	19	9.9	1.3	19
Nov	152	19	-7.79	2.11	11	-52.0	16.9	10	9.4	2.2	10	5.2	1.4	19	7.4	1.1	19
Dec	88	19	-8.31	2.52	10	-54.5	19.5	9	11.6	5.3	9	2.4	2.1	19	6.2	1.0	19

CORRELATIONS

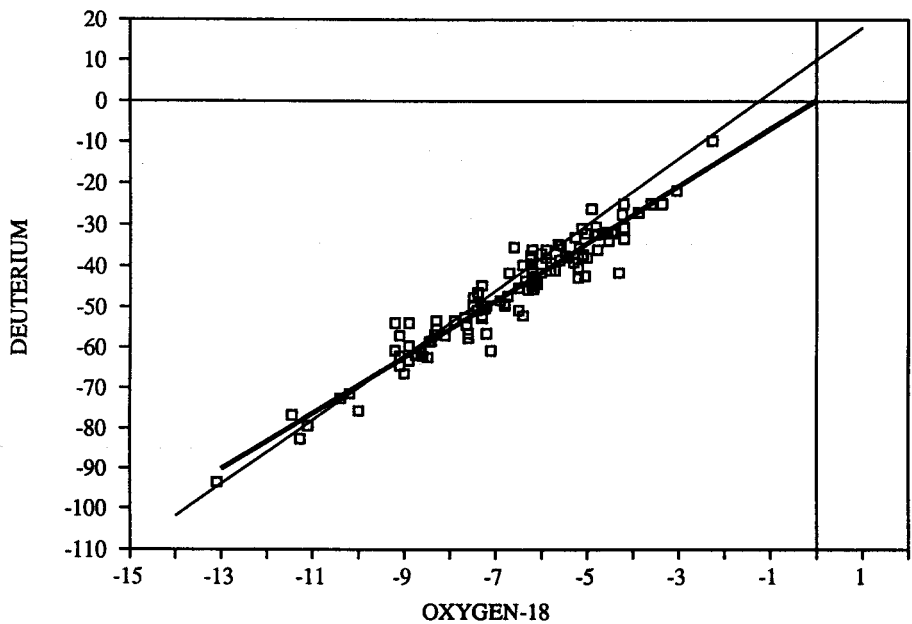
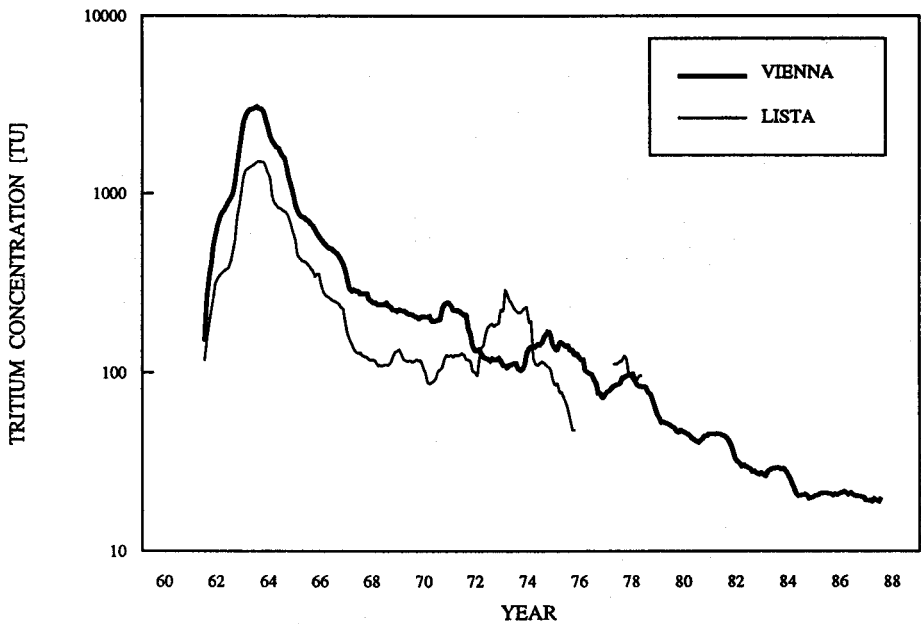
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	179	0.76	0.05	0.36	0.11	0.614	0.29
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	13	0.84	0.12	0.17	0.29	0.826	0.19
3) Monthly Deut vs. Monthly Precipitation	109	-0.06	0.02	-40.87	2.45	0.058	13.62
4) Monthly Oxyg-18 vs. Monthly Prec	129	-0.01	0.00	-6.03	0.32	0.037	1.83
5) Monthly Deut vs. Monthly Temperature	109	1.06	0.24	-53.91	2.17	0.150	12.94
6) Monthly Oxyg-18 vs. Monthly Temp	129	0.15	0.03	-7.76	0.27	0.167	1.70
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	109	6.95	0.20	0.23	1.36	0.921	3.93
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	109	7.24	0.19	2.16	1.40	0.921	3.93

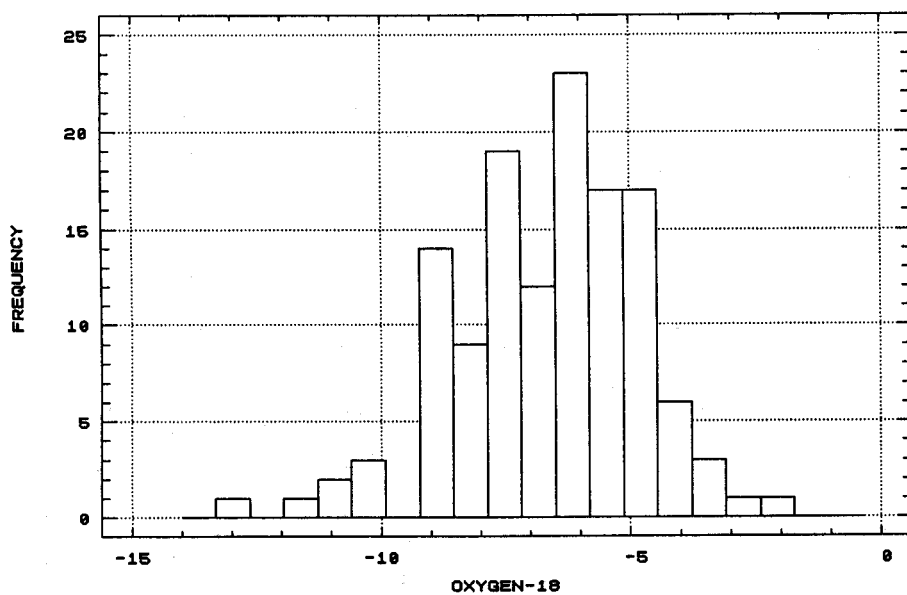
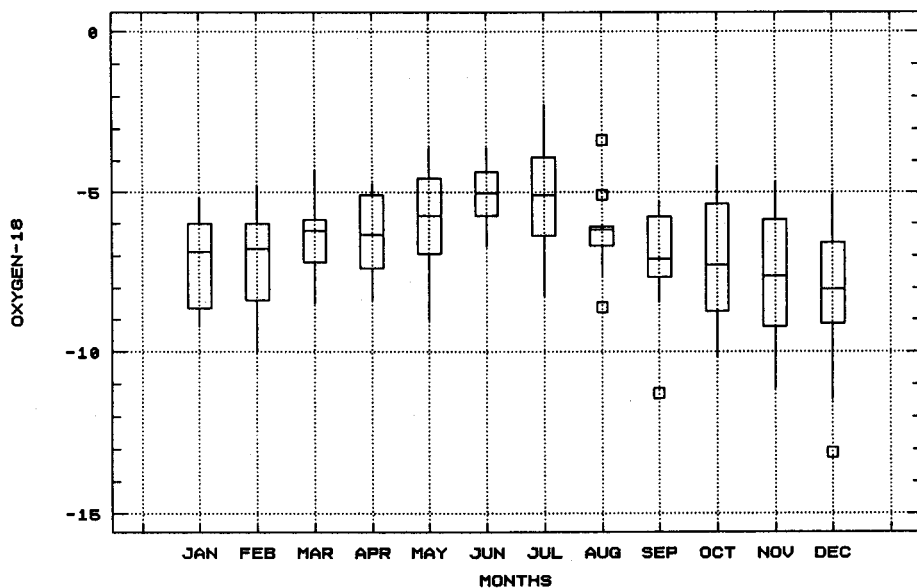
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
66 / 4	6.90			
73 / 4	-4.36	-60.6		
73 / 8	-1.26	-15.2		
74 / 12	-5.28	-10.3		
77 / 11			0.00	8.0
78 / 11			0.00	5.0
78 / 12			0.00	5.0
79 / 1			0.00	5.0

0142700 LISTA, NORWAY

Lat. 58.10N Long. 6.57E Alt. 13 m a.s.l.





0395300 VALENTIA (OBSERVATORY), IRELAND

Lat. 51.93N Long. 10.25W Alt. 9 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1957	1361 (12)	25.3 (39.4/4)	24.1							10.9 (12)	
1958	1582 (12)	137.6 (100.0/12)	140.6							10.9 (12)	
1959	1483 (12)	97.4 (93.2/10)	117.1							11.3 (12)	
1960	1693 (12)	46.0 (100.0/12)	56.8	-6.29 (82.5/10)	-5.95	-41.3 (82.5/10)	-39.0	9.1 (82.5/10)	8.7	10.6 (12)	10.6 (12)
1961	1366 (12)	43.1 (100.0/12)	49.3	-5.60 (100.0/12)	-5.02	-38.1 (100.0/12)	-33.0	6.7 (100.0/12)	7.2	10.9 (12)	10.8 (12)
1962	1233 (12)	237.9 (100.0/12)	247.3	-5.57 (100.0/12)	-5.26	-41.6 (64.4/7)	-38.6	7.7 (64.4/7)	8.4	10.1 (12)	10.1 (12)
1963	1402 (12)	916.9 (100.0/12)	973.5	-6.35 (100.0/12)	-5.98	-41.3 (100.0/12)	-39.5	9.6 (100.0/12)	8.4	9.9 (12)	10.2 (12)
1964	1489 (12)	566.2 (100.0/12)	574.2	-4.79 (100.0/12)	-4.57	-33.2 (100.0/12)	-31.8	5.2 (100.0/12)	4.8	10.9 (12)	10.8 (12)
1965	1358 (12)	215.4 (99.8/11)	240.3	-5.70 (77.9/8)	-5.30	-36.1 (99.8/11)	-33.7	6.5 (77.9/8)	5.9	10.3 (12)	10.5 (12)
1966	1229 (12)	147.7 (100.0/12)	166.2	-6.25 (81.8/10)	-5.64	-44.0 (14.2/1)	-44.0			10.6 (12)	10.7 (12)
1967	1349 (12)	73.5 (73.6/9)	81.7	-5.49 (26.3/3)	-5.37					10.3 (12)	10.5 (12)
1968	1459 (12)	63.7 (100.0/12)	74.3							10.5 (12)	10.9 (12)
1969	1132 (12)	67.5 (100.0/12)	78.0							10.2 (12)	10.8 (12)
1970	1392 (12)	56.0 (100.0/12)	64.3							10.4 (12)	11.1 (12)
1971	987 (12)	51.8 (100.0/12)	60.5							11.0 (12)	11.3 (12)
1972	1513 (12)	30.9 (88.1/10)	34.8							10.0 (12)	10.5 (12)
1973	1128 (12)	24.0 (84.1/10)	27.8	-4.97 (52.0/7)	-4.67	-33.4 (52.0/7)	-30.8	6.5 (52.0/7)	6.6	10.8 (12)	11.3 (12)
1974	1587 (12)	53.8 (100.0/12)	47.2	-5.65 (68.1/8)	-5.15	-35.4 (68.1/8)	-32.1	9.9 (68.1/8)	9.1	10.3 (12)	10.7 (12)
1975	1203 (12)	19.3 (100.0/12)	21.9							11.0 (12)	11.2 (12)
1976	1446 (12)	15.4 (100.0/12)	17.2							10.7 (12)	11.0 (12)
1977	1541 (12)	17.2 (100.0/12)	20.1	-3.93 (88.7/11)	-3.54	-31.0 (88.7/11)	-28.7	0.4 (88.7/11)	-0.4	10.5 (12)	11.0 (12)
1978	1512 (12)	20.1 (100.0/12)	22.7	-4.07 (95.7/11)	-3.65	-30.5 (95.7/11)	-27.9	2.1 (95.7/11)	1.4	10.5 (12)	11.2 (12)
1979	1407 (12)	13.5 (100.0/12)	14.6	-4.76 (100.0/12)	-4.62	-31.4 (100.0/12)	-29.9	6.8 (100.0/12)	7.1	9.8 (12)	10.7 (12)
1980	1802 (12)	11.5 (100.0/12)	12.6	-5.24 (100.0/12)	-4.94	-38.1 (82.6/10)	-35.3	6.7 (82.6/10)	6.7	10.4 (12)	11.1 (12)
1981	1307 (12)	13.7 (88.6/11)	13.9	-4.55 (97.6/11)	-4.12	-35.1 (46.9/5)	-31.2	7.4 (46.9/5)	6.5	10.7 (12)	11.3 (12)
1982	1787 (12)	7.1 (70.8/8)	8.3	-5.75 (99.1/11)	-5.71	-36.8 (83.2/9)	-37.0	8.6 (83.2/9)	8.2	10.9 (12)	11.4 (12)
1983	1432 (12)	8.1 (98.6/11)	8.5	-5.77 (85.3/10)	-5.35	-35.6 (85.3/10)	-33.3	10.6 (85.3/10)	9.6	11.0 (12)	11.6 (12)
1984	1504 (12)	7.9 (96.8/11)	9.0	-5.69 (97.4/11)	-5.53	-36.4 (82.8/9)	-37.3	12.2 (82.8/9)	10.4	10.6 (12)	11.2 (12)

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1985	1629 (12)	9.4	10.3 (100.0/12)	-5.99	-5.95 (56.6/6)	-34.2	-30.9 (31.0/3)	7.6	7.6 (31.0/3)	10.3 (12)	11.1 (12)
1986	1569 (12)	6.4	7.4 (84.1/11)	-5.45	-4.98 (84.1/11)	-34.2	-30.1 (82.8/10)	9.5	9.7 (82.8/10)	9.7 (12)	10.5 (12)
1987	1330 (12)	6.1	6.9 (84.9/11)	-5.16	-5.05 (72.9/9)	-33.0	-32.3 (72.9/9)	8.3	8.2 (72.9/9)	10.3 (12)	11.0 (12)
Long Term Means 1426				-5.34	-5.01	-35.7	-33.6	7.1	6.8	10.5	10.9
σ				0.75	0.74	3.6	3.8	3.3	3.2	0.3	0.3

MONTHLY MEANS

Month	Mean Prec.	n	Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
			Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	162	31	-5.86	1.65	17	-37.8	10.9	15	8.0	5.4	14	6.6	1.4	31	8.4	0.9	28
Feb	116	31	-5.93	1.14	18	-39.4	9.7	14	7.8	4.4	14	6.6	1.5	31	8.2	1.0	28
Mar	123	31	-5.15	1.64	19	-34.3	12.0	15	8.9	4.0	15	7.6	1.0	31	8.6	0.7	28
Apr	73	31	-5.34	1.46	17	-35.5	11.0	15	7.8	3.3	15	9.1	0.9	31	9.2	0.6	28
May	91	31	-4.87	1.26	19	-32.2	9.5	16	5.0	4.4	16	11.0	0.8	31	10.5	0.6	28
Jun	77	31	-4.14	1.22	16	-29.9	10.0	14	4.6	2.7	13	13.4	0.7	31	12.6	0.7	28
Jul	78	31	-3.76	1.28	17	-26.6	10.1	16	4.4	2.9	15	14.9	0.7	31	14.3	0.8	28
Aug	103	31	-4.17	1.75	18	-28.4	10.9	15	4.7	4.3	14	15.0	0.9	31	14.5	0.9	28
Sep	134	31	-4.46	1.68	17	-27.4	11.9	14	7.9	5.7	14	13.7	0.9	31	13.3	0.9	28
Oct	149	31	-5.21	1.34	16	-31.8	7.6	14	8.4	4.2	14	11.6	1.2	31	11.7	1.1	28
Nov	155	31	-5.63	1.87	17	-38.8	12.6	15	7.0	5.0	15	8.7	0.9	31	9.7	0.8	28
Dec	165	31	-5.68	1.01	18	-37.9	7.6	16	7.9	3.3	16	7.6	1.0	31	9.1	0.9	28

CORRELATIONS

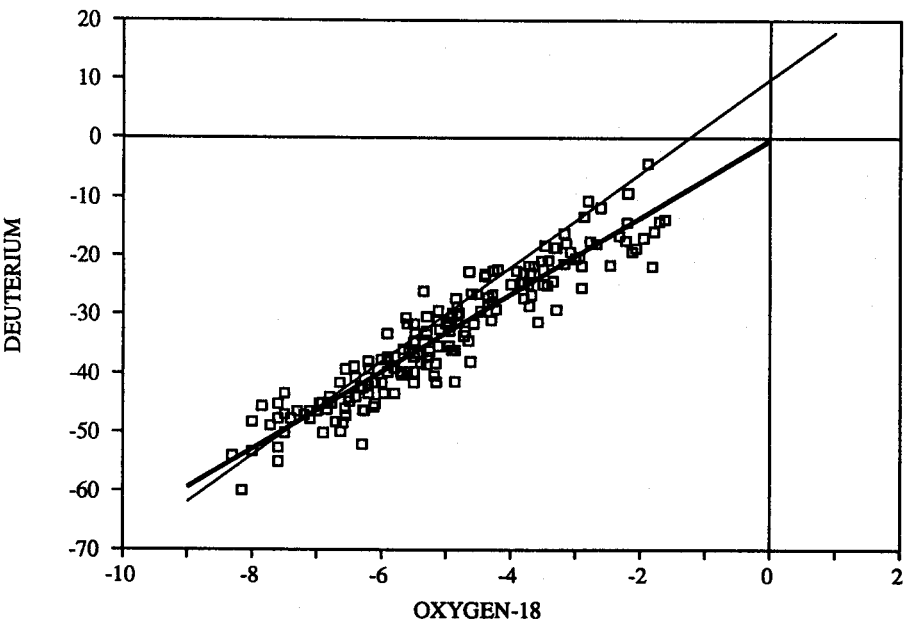
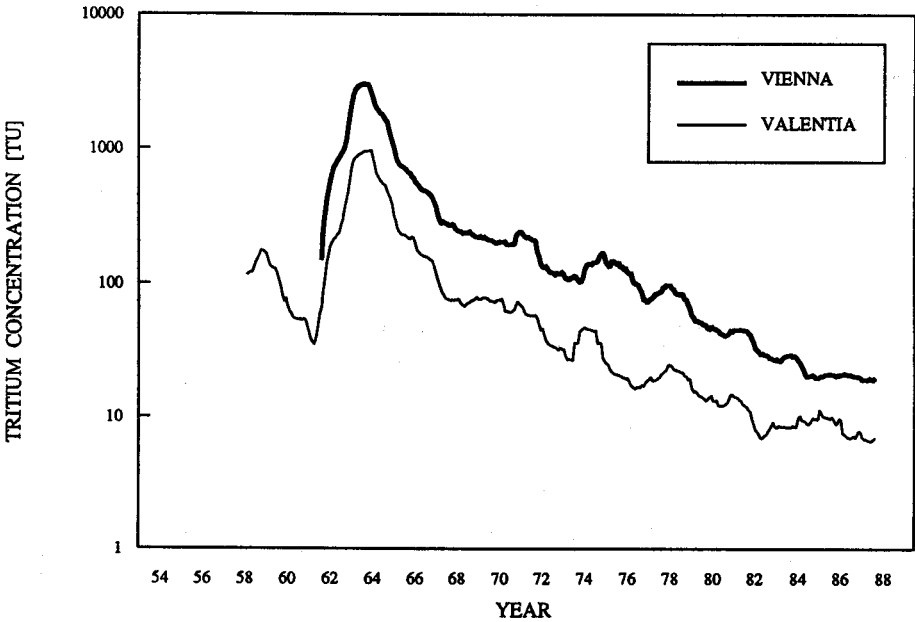
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	294	0.97	0.02	-0.46	0.04	0.889	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	24	0.98	0.04	-0.54	0.09	0.961	0.12
3) Monthly Deut vs. Monthly Precipitation	179	-0.07	0.01	-24.94	1.62	0.163	10.12
4) Monthly Oxyg-18 vs. Monthly Prec	209	-0.01	0.00	-3.84	0.21	0.158	1.46
5) Monthly Deut vs. Monthly Temperature	179	1.51	0.24	-49.09	2.57	0.188	9.96
6) Monthly Oxyg-18 vs. Monthly Temp	209	0.23	0.03	-7.46	0.33	0.221	1.41
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	175	6.56	0.18	-0.39	0.94	0.886	3.74
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	175	6.97	0.18	1.67	0.98	0.886	3.74

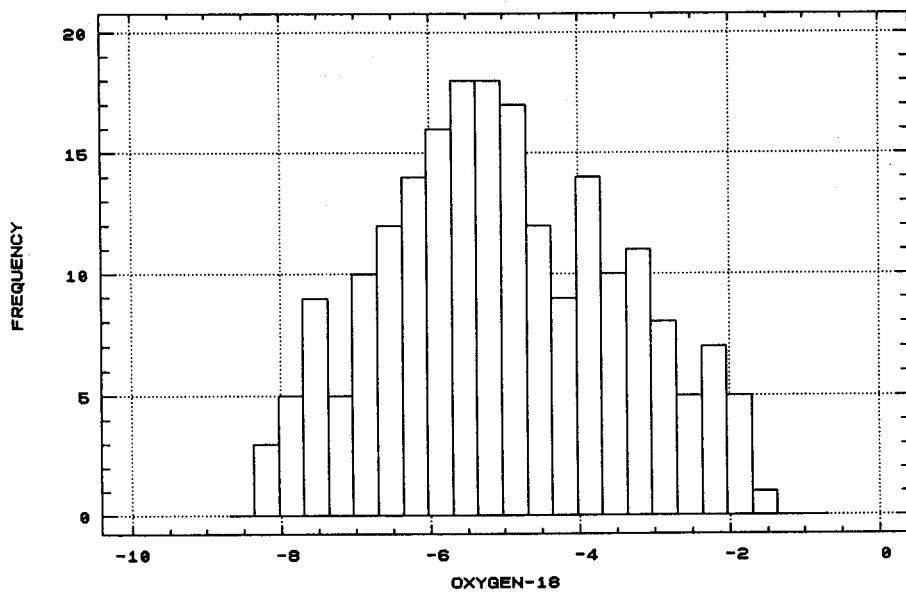
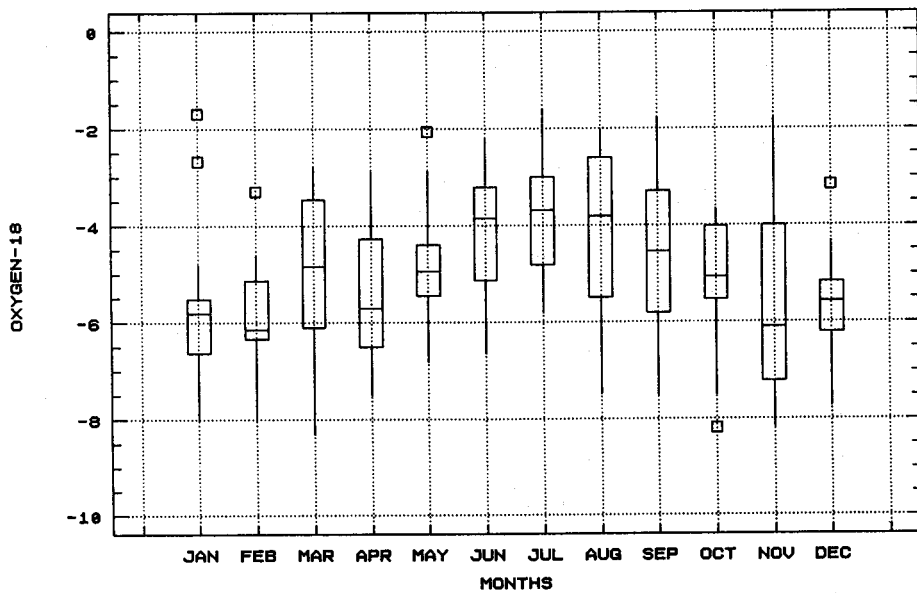
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
73 / 9	0.67	-16.7		
73 / 10	1.69	-13.0		
81 / 4	0.96	2.9		

0395300 VALENTIA (OBSERVATORY), IRELAND

Lat. 51.93N Long. 10.25W Alt. 9 m a.s.l.





0403000 REYKJAVIK, ICELAND

Lat. 64.13N Long. 21.93W Alt. 14 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	590 (12)	66.2 (89.8/11)	66.4							5.7 (12)	7.7 (12)
1961	713 (12)	71.4 (100.0/12)	83.6	-7.81 (64.9/9)	-7.94	-54.1 (64.9/9)	-55.7	8.4 (64.9/9)	7.9	5.0 (12)	7.3 (12)
1962	762 (12)	310.1 (100.0/12)	335.6	-7.78 (100.0/12)	-7.26	-54.0 (100.0/12)	-51.1	8.3 (100.0/12)	7.0	4.7 (12)	7.2 (12)
1963	664 (12)	1219.6 (90.2/11)	1544.8	-7.63 (100.0/12)	-7.55	-55.4 (100.0/12)	-54.5	5.7 (100.0/12)	6.0	4.9 (12)	7.3 (12)
1964	786 (12)	808.1 (60.6/8)	843.7	-7.09 (100.0/12)	-7.05	-52.3 (100.0/12)	-51.2	4.5 (100.0/12)	5.3	5.8 (12)	7.6 (12)
1965	611 (12)	308.7 (65.9/8)	387.4	-8.15 (100.0/12)	-7.87	-51.8 (29.7/5)	-50.9	10.9 (29.7/5)	7.9	5.0 (12)	7.3 (12)
1966	711 (12)	219.0 (44.7/5)	206.9	-7.22 (80.7/10)	-7.29					4.3 (12)	7.0 (12)
1967	876 (12)			-7.36 (91.6/10)	-7.60					4.2 (12)	6.8 (12)
1968	901 (12)			-7.43 (100.0/12)	-7.29					4.6 (12)	7.3 (12)
1969	1005 (12)			-7.35 (76.6/10)	-7.32					4.0 (12)	7.1 (12)
1970	976 (12)									4.1 (12)	7.0 (12)
1971	984 (12)									4.6 (12)	7.3 (12)
1972	1297 (12)			-8.19 (11.1/1)	-8.19	-59.2 (11.1/1)	-59.2	6.4 (11.1/1)	6.4	5.3 (12)	7.4 (12)
1973	1032 (12)			-8.06 (100.0/12)	-7.85	-56.7 (100.0/12)	-55.3	7.9 (100.0/12)	7.6	4.1 (12)	7.2 (12)
1974	1065 (12)			-8.05 (100.0/12)	-7.91	-59.2 (100.0/12)	-58.2	5.3 (100.0/12)	5.2	5.0 (12)	7.2 (12)
1975	991 (12)			-7.46 (87.1/11)	-7.26	-53.9 (87.1/11)	-52.4	5.9 (87.1/11)	5.7	4.2 (12)	7.1 (12)
1976	1037 (12)			-7.90 (100.0/12)	-7.67	-53.8 (100.0/12)	-52.7	9.5 (100.0/12)	8.7	4.5 (12)	7.2 (12)
1977	665 (12)									4.5 (12)	7.0 (12)
Long Term Means 870				-7.65	-7.49	-55.2	-53.7	6.8	6.5	4.7	7.2
σ				0.36	0.28	2.3	2.5	1.8	1.3	0.5	0.2

MONTHLY MEANS

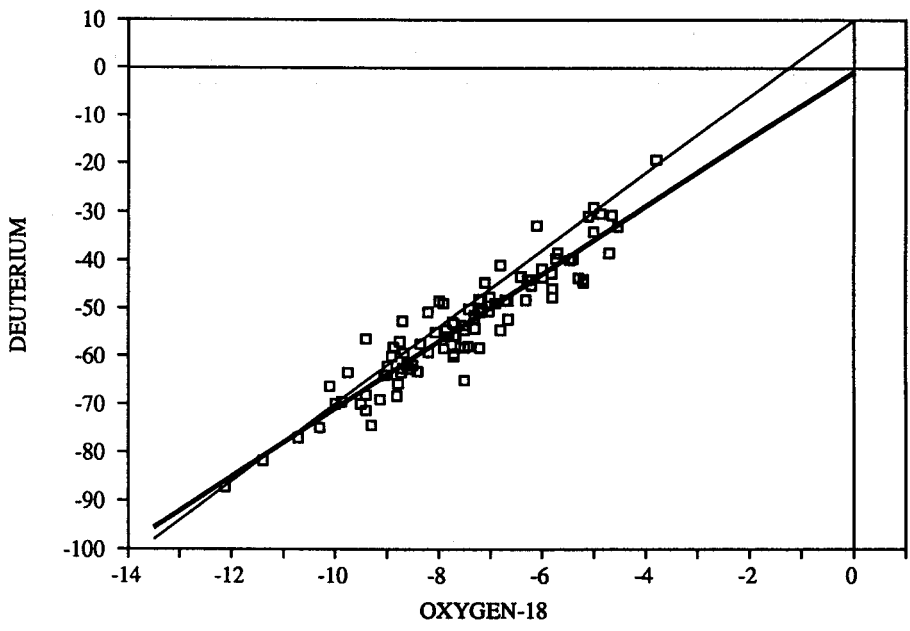
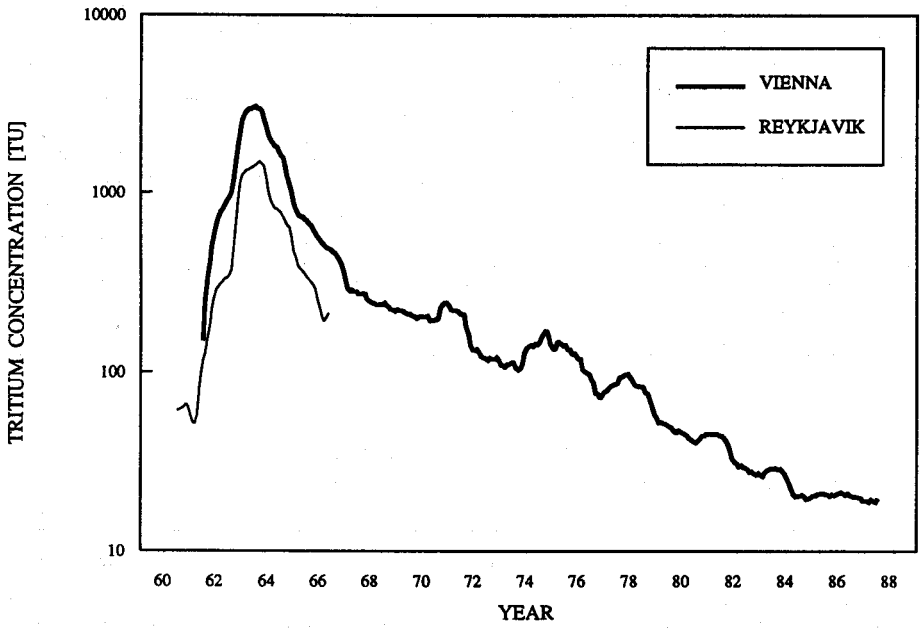
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	83	18	-8.29	1.62	12	-57.8	12.1	8	9.8	5.6	8	0.3	2.0	18	5.2	0.9	18
Feb	79	18	-7.62	1.46	12	-50.3	14.7	8	9.9	4.1	8	0.3	2.1	18	5.2	1.0	18
Mar	93	18	-6.75	1.58	11	-44.6	11.7	8	6.6	4.1	8	1.2	2.3	18	5.5	0.9	18
Apr	61	18	-7.34	1.99	13	-49.2	15.1	9	8.3	4.8	9	3.3	1.1	18	6.4	0.6	18
May	43	18	-6.44	1.73	12	-45.9	11.8	9	4.2	5.7	9	6.8	1.2	18	7.6	0.6	18
Jun	59	18	-7.56	1.15	13	-55.3	9.5	8	4.6	3.3	8	9.2	0.6	18	9.2	0.6	18
Jul	54	18	-6.89	1.88	12	-50.5	12.3	8	2.9	3.5	8	10.7	0.7	18	10.4	0.6	18
Aug	64	18	-7.32	1.29	13	-57.7	13.2	8	4.4	2.5	8	10.4	0.6	18	10.2	0.5	18
Sep	81	18	-8.19	1.76	12	-61.5	14.4	8	6.9	2.6	8	7.8	1.2	18	8.6	0.8	18
Oct	96	18	-7.38	0.70	12	-53.7	1.3	8	5.4	3.5	8	4.9	1.1	18	7.2	0.7	18
Nov	74	18	-7.91	0.95	13	-58.2	6.5	8	7.9	4.7	8	1.1	1.7	18	5.5	0.8	18
Dec	82	18	-8.58	1.23	12	-61.5	4.1	8	9.0	4.3	8	-0.3	1.6	18	5.1	0.7	18

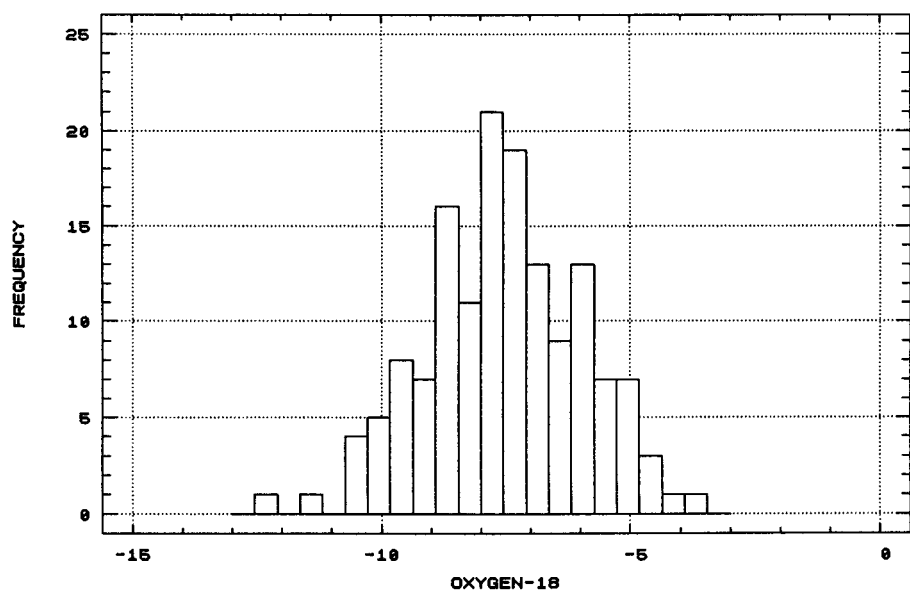
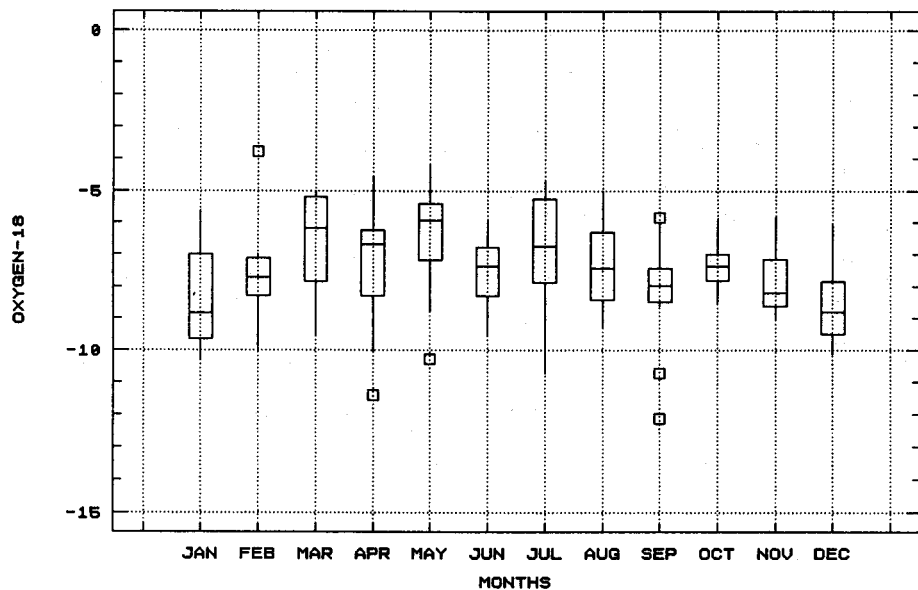
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	51	0.84	0.05	0.14	0.14	0.860	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	3	0.82	0.10	0.16	0.29	0.986	0.10
3) Monthly Deut vs. Monthly Precipitation	98	-0.06	0.03	-49.35	2.47	0.041	11.91
4) Monthly Oxyg-18 vs. Monthly Prec	147	-0.01	0.00	-7.06	0.27	0.025	1.54
5) Monthly Deut vs. Monthly Temperature	98	0.22	0.30	-54.75	1.90	0.005	12.13
6) Monthly Oxyg-18 vs. Monthly Temp	147	0.09	0.03	-7.95	0.18	0.063	1.51
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	98	7.02	0.27	-0.75	2.08	0.876	4.29
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	98	7.50	0.27	2.89	2.11	0.876	4.29

0403000 REYKJAVIK, ICELAND

Lat. 64.13N Long. 21.93W Alt. 14 m a.s.l.





0420200 THULE, GREENLAND, DENMARK

Lat. 76.52N Long. 68.83W Alt. 77 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1966	215	1048.6	982.5	-22.11	-26.12	-165.6	-195.8	11.4	13.2	-12.2	
	(12)		(99.5/11)		(99.5/11)		(99.5/11)		(99.5/11)	(12)	
1967	127	405.1	455.4	-23.21	-22.65	-184.0	-175.9	12.2	10.5	-10.1	2.3
	(12)		(91.3/11)		(78.7/10)		(97.6/11)		(78.7/10)	(12)	(12)
1968	91	439.1	593.5	-23.30	-23.94	-182.3	-187.4	4.2	4.2	-12.2	2.2
	(12)		(76.9/10)		(89.0/11)		(89.0/11)		(89.0/11)	(12)	(12)
1969	236	482.1	332.3	-21.76	-24.15	-167.5	-177.8	6.0	9.4	-10.8	2.6
	(12)		(100.0/12)		(96.6/9)		(97.8/10)		(96.6/9)	(12)	(12)
1970	174	324.4	368.1	-24.20	-23.82	-196.0	-210.5	2.9	6.2	-11.7	2.2
	(12)		(31.0/6)		(99.4/11)		(12.0/2)		(12.0/2)	(12)	(12)
1971	291			-20.45	-24.25					-12.9	2.3
	(12)				(36.4/7)					(12)	(12)
Long Term											
Means 189				-22.72	-24.14	-171.9	-184.2	8.6	9.3	-11.6	2.3
σ				1.01	1.25	10.2	9.2	3.9	3.7	1.0	0.1

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	5	6	-31.45	6.27	4	-234.0	69.0	3	19.5	12.4	3	-24.2	3.6	6	0.5	0.2	5
Feb	11	6	-28.81	4.49	6	-211.0	31.5	5	12.6	10.2	5	-23.6	3.2	6	0.4	0.2	5
Mar	4	6	-31.96	3.92	6	-246.6	35.6	5	10.5	4.5	5	-25.0	3.6	6	0.4	0.1	5
Apr	8	6	-23.84	3.15	5	-194.9	24.3	3	5.3	7.4	3	-18.2	3.0	6	0.9	0.2	5
May	6	6	-22.10	4.40	4	-149.9	41.3	4	6.5	17.1	3	-6.6	3.7	6	2.4	0.8	5
Jun	26	6	-19.66	3.01	6	-148.3	24.9	4	7.8	9.1	4	1.3	1.6	6	4.6	1.4	5
Jul	13	6	-17.41	1.95	6	-133.6	25.9	4	6.2	7.8	4	4.0	1.3	6	6.0	0.7	5
Aug	32	6	-19.85	1.72	4	-146.6	11.9	3	7.0	5.9	3	3.8	1.4	6	5.2	0.8	5
Sep	19	6	-20.07	4.53	5	-142.0	38.3	3	8.4	4.0	3	-0.8	3.2	6	3.9	0.7	5
Oct	17	6	-19.60	1.68	5	-159.8	7.6	4	-2.6	18.0	4	-9.7	1.8	6	1.8	0.4	5
Nov	24	6	-23.62	4.21	3	-189.5	45.6	3	10.1	4.6	2	-17.1	2.5	6	0.9	0.3	5
Dec	24	6	-31.38	4.22	5	-242.6	25.3	4	17.5	10.0	4	-23.2	3.8	6	0.6	0.2	5

CORRELATIONS

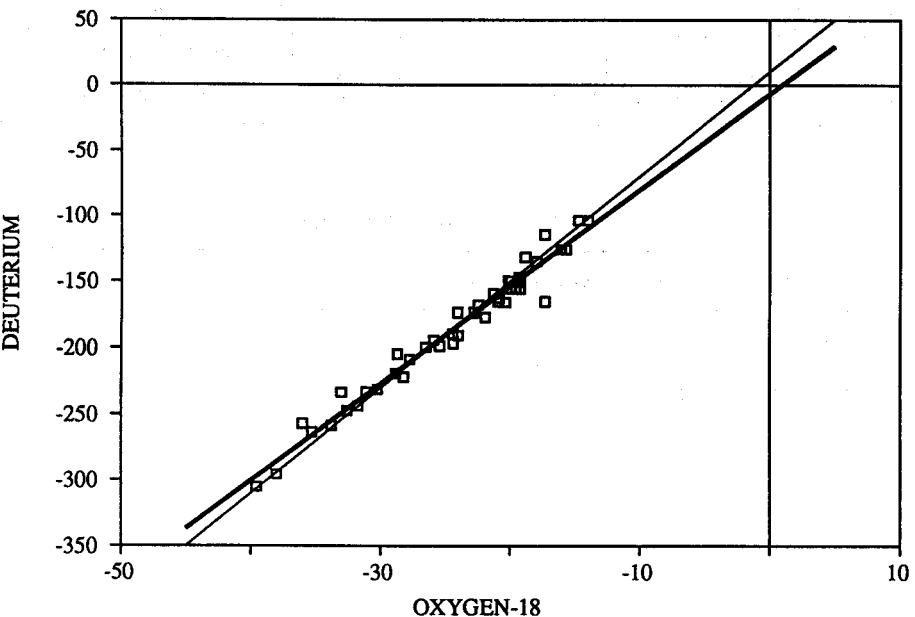
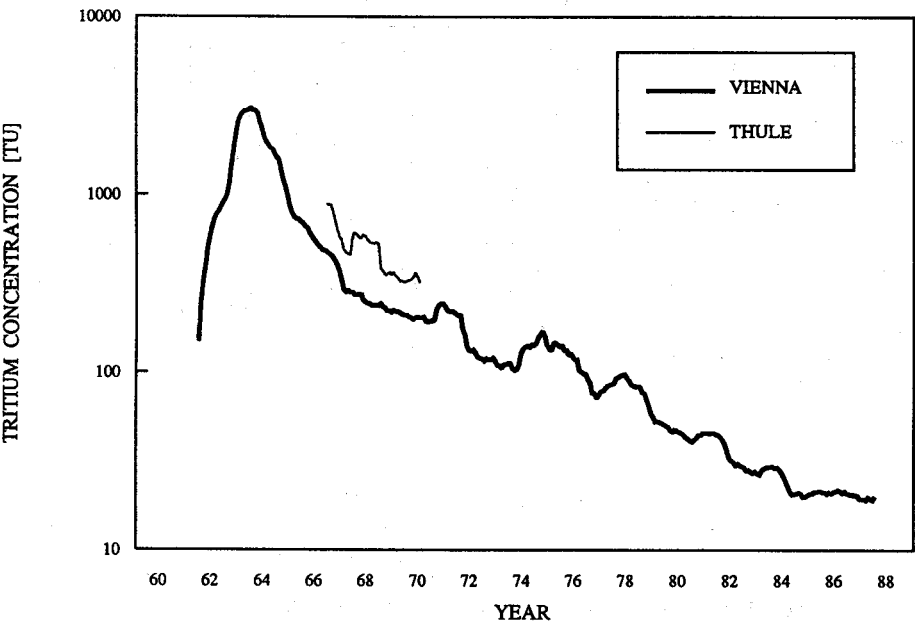
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	50	0.80	0.14	0.73	0.34	0.394	0.24
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	4	0.94	0.34	0.41	0.86	0.788	0.11
3) Monthly Deut vs. Monthly Precipitation	45	0.33	0.31	-190.40	8.68	0.026	49.52
4) Monthly Oxyg-18 vs. Monthly Prec	59	0.05	0.03	-24.88	0.96	0.032	6.18
5) Monthly Deut vs. Monthly Temperature	45	3.49	0.37	-143.67	6.18	0.672	28.75
6) Monthly Oxyg-18 vs. Monthly Temp	59	0.44	0.04	-19.18	0.66	0.667	3.62
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	43	7.33	0.21	-7.14	5.29	0.968	9.00
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	43	7.46	0.20	-4.17	5.34	0.968	9.00

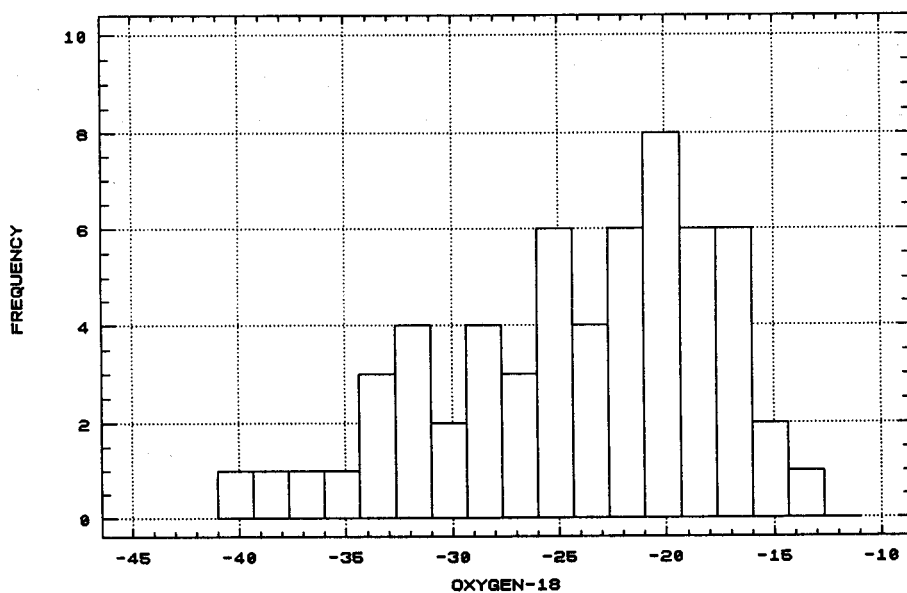
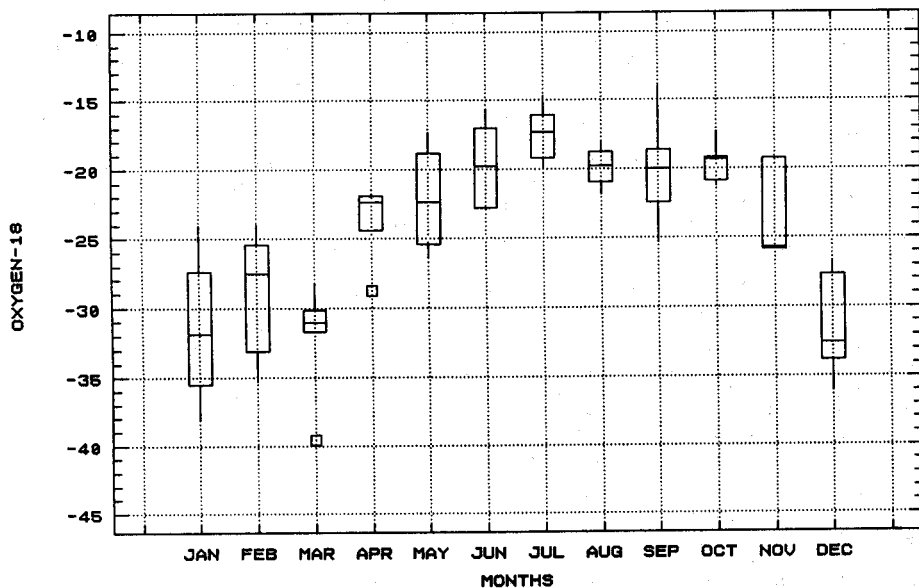
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
67 / 9	-21.64	-126.1		
70 / 1	-26.47	-235.0		

0420200 THULE, GREENLAND, DENMARK

Lat. 76.52N Long. 68.83W Alt. 77 m a.s.l.





0426100 GRØNNEDAL, GREENLAND, DENMARK

Lat. 61.22N Long. 48.12W Alt. 27 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	668 (12)			-9.28 (30.0/4)	-9.85					1.8 (12)	5.3 (12)
1962	1207 (12)	787.7 (63.2/7)	933.6	-14.08 (54.1/5)	-14.30	-103.3 (69.9/8)	-104.8	3.2 (35.5/3)	2.3	2.2 (12)	5.5 (12)
1963	1020 (12)	2014.3 (88.9/11)	2324.9	-10.41 (100.0/12)	-10.81	-85.2 (100.0/12)	-87.7	-1.9 (100.0/12)	-1.2	1.8 (12)	5.0 (12)
1964	1069 (12)	1233.2 (97.4/11)	1532.0	-11.58 (88.1/10)	-10.87	-84.0 (97.4/11)	-82.3	4.2 (88.1/10)	0.7	1.5 (12)	5.0 (12)
1965	951 (12)	593.9 (91.3/11)	595.9	-11.54 (91.3/11)	-11.22	-87.9 (91.3/11)	-85.3	4.5 (91.3/11)	4.5	2.7 (12)	5.2 (12)
1966	981 (12)	279.0 (96.3/8)	255.8	-10.05 (83.6/7)	-11.12	-81.2 (83.6/7)	-84.6	-0.8 (83.6/7)	4.5	2.4 (12)	5.3 (12)
1967	1104 (12)	194.9 (67.5/7)	252.3	-13.20 (72.3/7)	-13.09	-101.7 (60.7/6)	-100.3	5.1 (60.7/6)	5.2	1.2 (12)	5.0 (12)
1968	848 (12)	55.1 (15.9/2)	58.4	-10.28 (87.7/8)	-10.94					2.1 (12)	5.2 (12)
1969	936 (12)	174.7 (46.9/5)	214.0	-11.99 (48.2/5)	-12.22					0.7 (12)	5.0 (12)
1970	1152 (12)	190.2 (84.2/10)	187.0	-12.09 (71.9/9)	-11.67					0.8 (12)	4.8 (12)
1971	1165 (12)	141.4 (97.1/11)	125.5							0.1 (12)	5.2 (12)
1972	1419 (12)	164.7 (92.3/10)	162.0	-14.96 (7.6/2)	-14.96	-110.7 (7.6/2)	-110.7	9.0 (7.6/2)	9.0	-1.1 (12)	4.4 (12)
1973	1017 (12)			-13.58 (93.8/10)	-13.85	-99.2 (99.6/11)	-100.2	7.9 (93.8/10)	8.1	0.6 (12)	4.7 (12)
1974	710 (12)			-13.46 (48.3/7)	-14.06	-106.5 (37.0/6)	-109.7	6.7 (37.0/6)	6.6	0.5 (12)	4.8 (12)
Long Term Means 1018				-11.29	-11.47	-87.7	-88.0	2.8	3.3	1.2	5.0
σ				1.32	1.17	7.0	7.0	4.0	3.6	1.0	0.2

MONTHLY MEANS

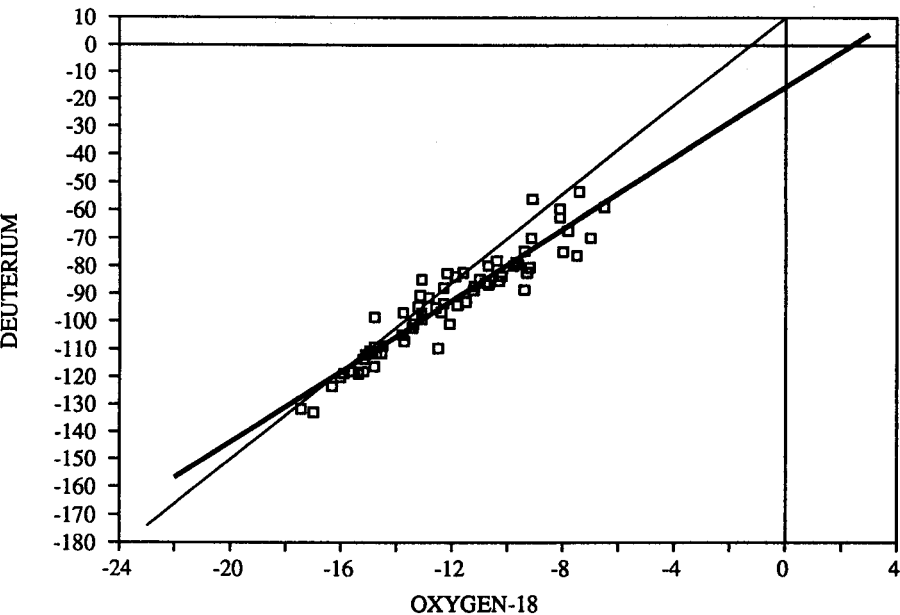
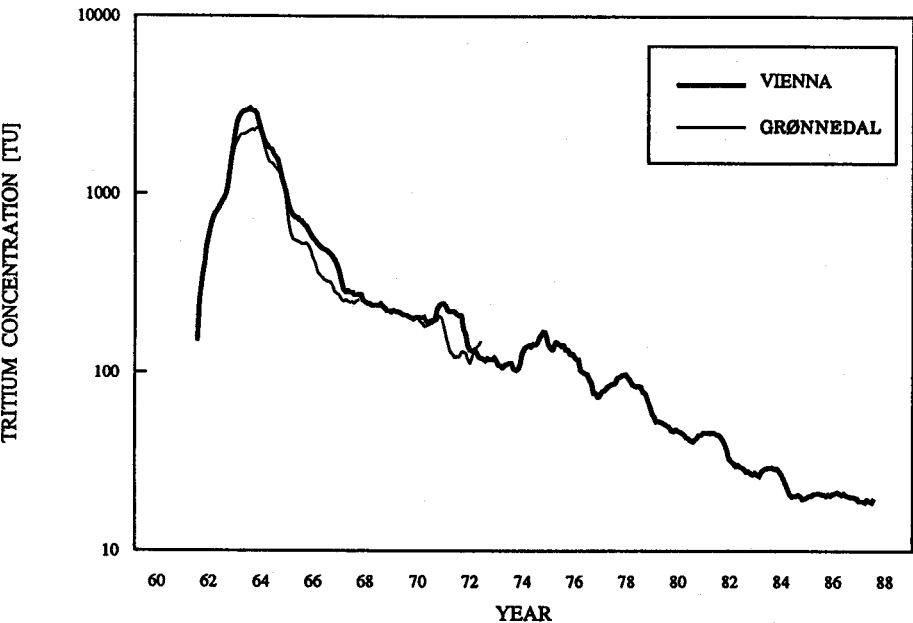
Month	Mean Prec.			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	76	14	14	-14.53	3.91	10	-100.9	22.7	7	1.8	7.1	6	-4.4	2.7	14	2.7	0.6	14
Feb	93	14	14	-12.60	1.64	11	-93.7	12.0	6	6.2	6.7	6	-4.5	3.1	14	2.7	0.6	14
Mar	69	14	14	-11.52	3.91	9	-98.1	29.4	6	9.8	6.8	6	-3.6	3.0	14	3.3	0.9	14
Apr	63	14	14	-11.30	3.02	8	-90.4	21.9	6	5.9	4.6	6	-0.3	1.4	14	4.0	0.5	14
May	65	14	14	-9.55	3.03	8	-85.1	17.6	7	-0.6	7.3	6	3.8	1.7	14	5.6	0.8	14
Jun	56	14	14	-10.99	3.16	6	-98.3	19.3	6	-4.1	11.0	5	6.4	1.0	14	7.3	0.7	14
Jul	80	14	14	-11.25	2.78	10	-87.9	18.1	8	3.6	7.6	7	7.9	1.1	14	8.4	0.9	14
Aug	95	14	14	-12.01	3.42	6	-103.8	28.1	4	-1.8	12.0	3	7.6	0.8	14	8.1	0.5	14
Sep	111	14	14	-12.11	2.27	8	-90.0	13.1	5	-1.2	4.8	5	5.1	1.0	14	6.4	0.6	14
Oct	108	14	14	-12.82	2.38	7	-103.8	11.6	6	4.4	4.6	6	1.7	1.8	14	4.8	0.8	14
Nov	103	14	14	-12.23	2.45	8	-90.0	17.5	7	9.1	7.1	6	-1.4	1.7	14	3.7	0.6	14
Dec	98	14	14	-12.15	1.71	6	-83.4	23.6	6	7.0	3.3	5	-3.9	2.9	14	2.8	0.7	14

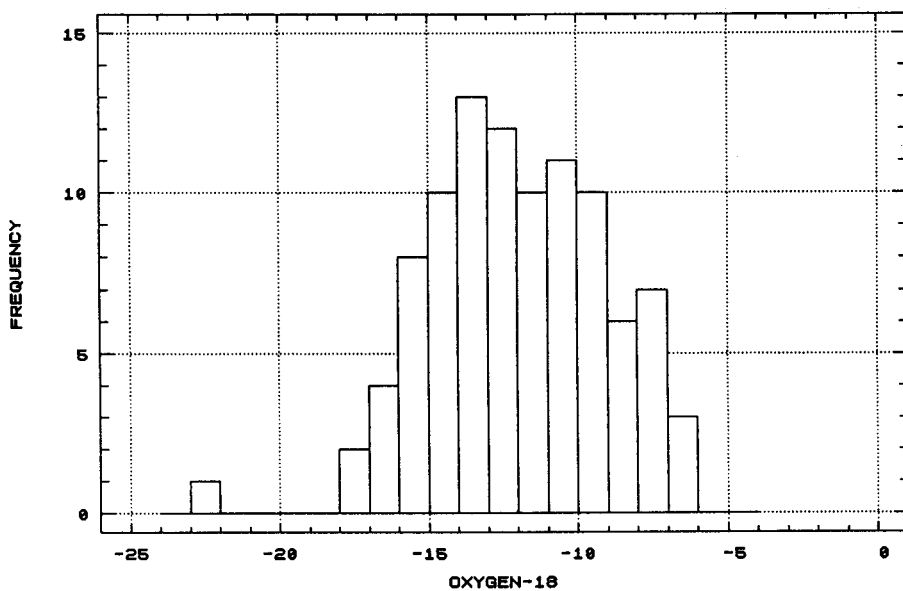
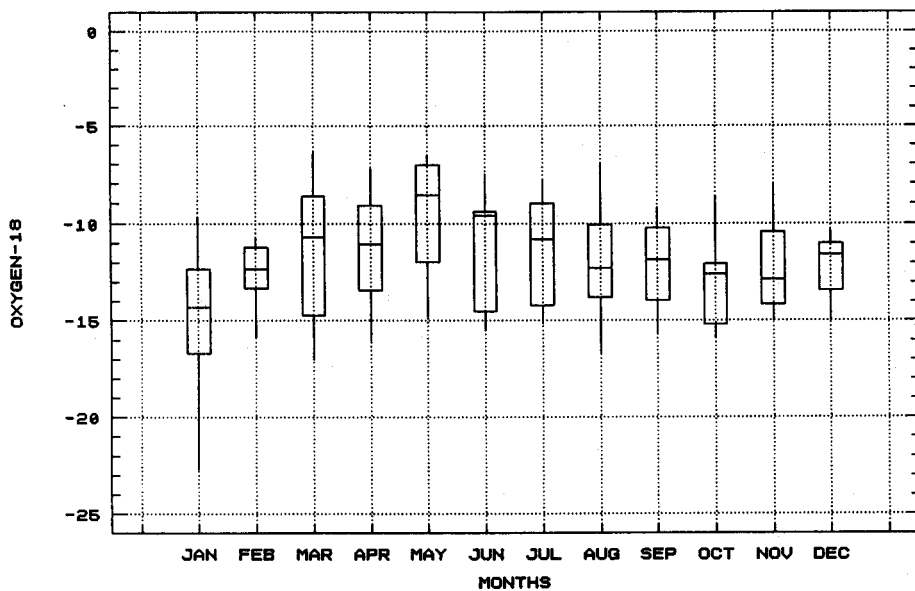
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	88	0.99	0.05	-0.09	0.13	0.817	0.23
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	7	0.87	0.09	0.22	0.26	0.946	0.12
3) Monthly Deut vs. Monthly Precipitation	74	0.03	0.04	-96.28	4.26	0.009	19.54
4) Monthly Oxyg-18 vs. Monthly Prec	97	0.00	0.01	-12.25	0.55	0.004	3.00
5) Monthly Deut vs. Monthly Temperature	74	0.21	0.46	-93.61	2.36	0.003	19.60
6) Monthly Oxyg-18 vs. Monthly Temp	97	0.15	0.06	-12.11	0.30	0.059	2.92
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	67	6.42	0.28	-15.43	3.52	0.888	6.24
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	67	6.82	0.28	-10.64	3.55	0.888	6.24

0426100 GRØNNEDAL, GREENLAND, DENMARK

Lat. 61.22N Long. 48.12W Alt. 27 m a.s.l.





0431000 NORD, GREENLAND, DENMARK

Lat. 81.60N Long. 16.67W Alt. 35 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1961	209 (12)			-26.36 (96.6/10)	-23.25	-204.0 (85.1/9)	-179.1	13.1 (85.1/9)	9.4	-17.2 (12)	1.8 (12)
1962	160 (12)	1740.9 (98.7/9)	2033.4	-23.18 (98.7/9)	-24.96	-172.6 (98.7/9)	-185.6	12.9 (98.7/9)	14.1	-15.9 (12)	2.1 (12)
1963	98 (12)	5847.0 (86.7/7)	5825.0	-21.83 (88.7/10)	-22.21	-167.4 (88.7/10)	-170.0	7.3 (88.7/10)	7.7	-17.3 (12)	1.9 (12)
1964	135 (12)	2671.2 (85.9/9)	3276.7	-26.89 (85.9/9)	-27.22	-201.0 (85.9/9)	-203.3	14.2 (85.9/9)	14.4	-17.5 (12)	1.8 (12)
1965	167 (12)	1202.9 (75.4/9)	1180.4	-25.11 (80.8/9)	-25.47	-186.8 (86.2/10)	-186.6	10.7 (80.8/9)	11.6	-16.1 (12)	1.9 (12)
1966	165 (12)	761.9 (74.5/10)	872.6	-23.06 (92.1/11)	-24.78	-175.0 (92.1/11)	-188.9	9.5 (92.1/11)	9.4	-17.8 (12)	2.1 (12)
1967	148 (12)	437.4 (57.4/7)	475.4	-25.84 (62.1/8)	-25.12	-192.6 (33.1/5)	-184.8	-3.9 (33.1/5)	-4.5	-16.2 (12)	
1968	153 (12)	361.6 (32.6/3)	325.3	-28.42 (93.4/10)	-28.88					-18.0 (12)	2.1 (12)
1969	189 (12)	159.0 (17.9/1)	159.0	-27.49 (13.7/2)	-27.49					-16.6 (12)	2.2 (12)
1970	281 (12)	334.7 (100.0/12)	296.2							-17.7 (12)	2.1 (12)
1971	225 (12)	254.7 (100.0/12)	274.2	-24.14 (84.0/10)	-23.29					-17.3 (12)	2.2 (12)
1972	41 (5)	150.8 (24.9/5)	187.5	-26.24 (24.9/5)	-27.08						
Long Term				-24.98	-25.01	-185.6	-185.6	11.5	11.1	-17.1	2.0
Means 164				2.23	2.20	15.4	11.0	2.6	2.7	0.7	0.1
σ											

MONTHLY MEANS

Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	9	12		-28.91	5.20	9	-209.8	37.8	6	15.0	5.2	6	-30.5	2.6	12	0.3	0.1	11
Feb	10	12		-31.00	3.14	10	-228.8	12.0	6	12.0	5.7	6	-31.0	2.6	12	0.3	0.1	11
Mar	11	12		-30.34	4.45	11	-225.3	31.0	7	13.4	8.4	7	-30.6	2.7	12	0.3	0.1	11
Apr	9	12		-25.75	2.39	6	-197.2	22.8	4	2.2	9.1	4	-23.4	2.3	12	0.5	0.1	11
May	9	12		-18.01	3.34	7	-139.9	32.3	5	-0.7	7.1	5	-10.4	2.7	12	2.0	0.5	10
Jun	12	11		-17.38	4.33	6	-144.3	20.9	4	2.4	16.0	4	-1.1	1.0	11	4.6	0.5	10
Jul	18	11		-18.22	3.87	6	-142.6	22.7	4	12.3	4.2	4	3.1	1.4	11	6.0	0.5	10
Aug	15	11		-16.22	5.80	7	-120.5	43.5	5	-3.1	11.9	5	1.8	1.2	11	5.6	0.4	10
Sep	20	11		-21.68	2.05	7	-159.0	14.1	5	13.5	4.8	5	-8.8	1.2	11	2.5	0.3	10
Oct	21	11		-27.04	6.62	8	-196.7	63.9	5	10.4	16.3	4	-19.5	2.1	11	0.9	0.3	11
Nov	16	11		-28.63	4.54	8	-208.3	40.0	6	16.5	2.8	6	-25.2	2.6	11	0.5	0.1	11
Dec	26	11		-28.75	5.63	8	-200.4	37.1	6	14.7	4.8	6	-28.1	1.6	11	0.3	0.1	10

CORRELATIONS

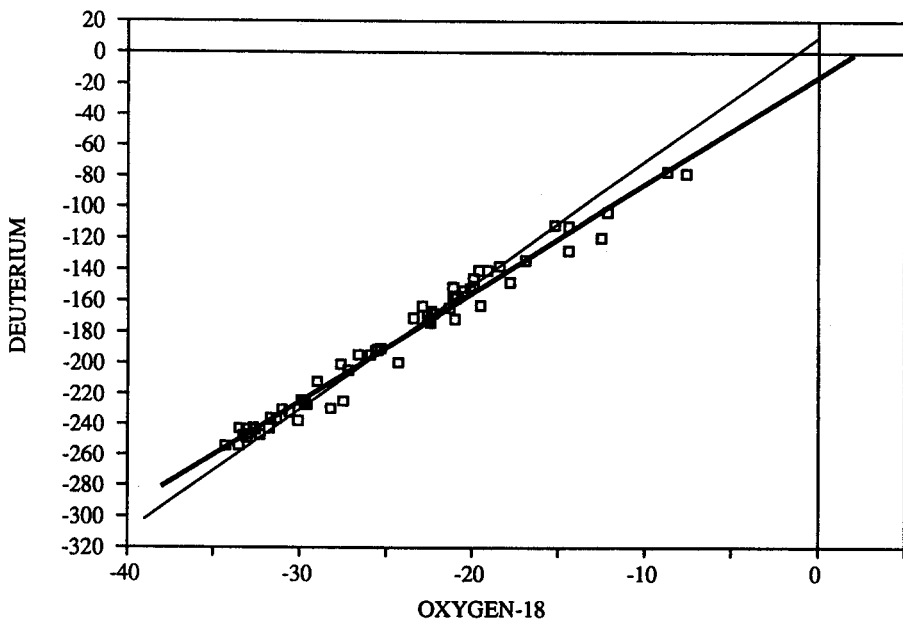
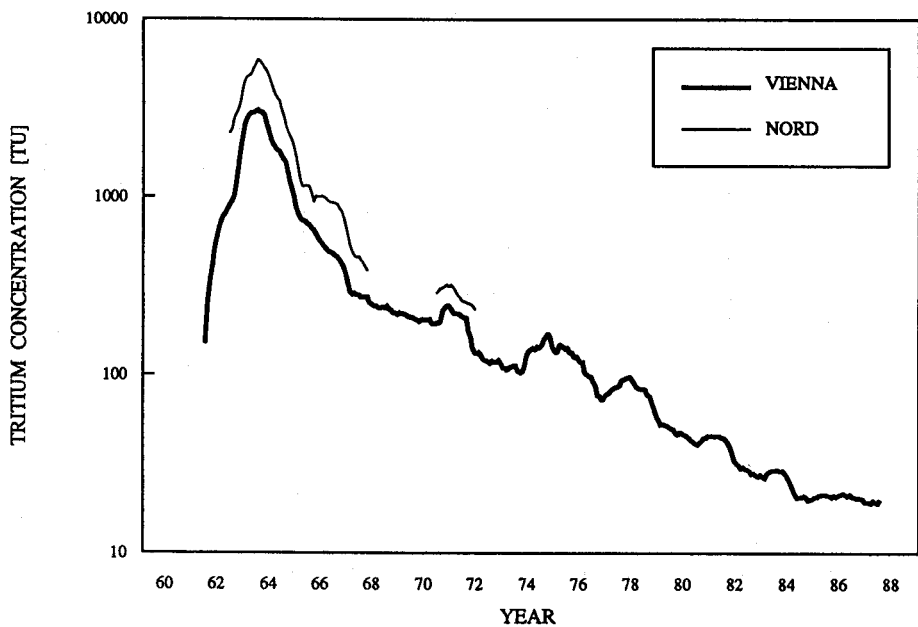
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	79	1.02	0.05	0.20	0.14	0.831	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	6	1.08	0.09	-0.05	0.27	0.972	0.10
3) Monthly Deut vs. Monthly Precipitation	63	-0.04	0.44	-184.74	8.64	0.000	47.64
4) Monthly Oxyg-18 vs. Monthly Prec	93	0.00	0.06	-25.19	1.11	0.000	6.89
5) Monthly Deut vs. Monthly Temperature	63	2.85	0.31	-132.69	7.02	0.573	31.12
6) Monthly Oxyg-18 vs. Monthly Temp	93	0.43	0.03	-17.04	0.79	0.625	4.22
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	62	6.99	0.14	-15.11	3.48	0.977	7.17
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	62	7.07	0.14	-13.14	3.54	0.977	7.17

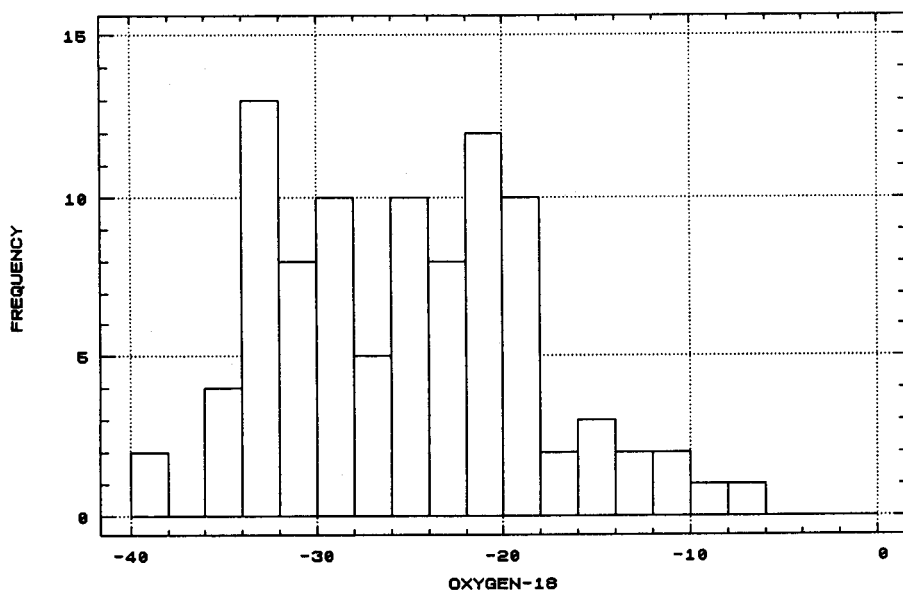
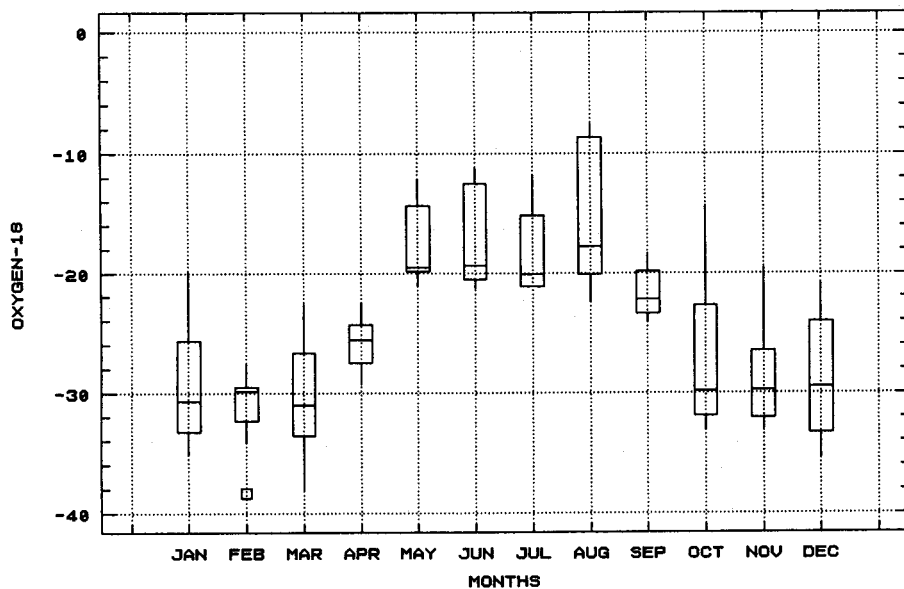
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
63 / 4	-31.00	-176.7		

0431000 NORD, GREENLAND, DENMARK

Lat. 81.60N Long. 16.67W Alt. 35 m a.s.l.





0628001 GRONINGEN, NETHERLANDS

Lat. 53.21N Long. 6.57E Alt. 0 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1964	598 (12)			-7.19 (91.4/10)	-7.33 (91.4/10)	-45.2 (91.4/10)	-46.6 (91.4/10)	12.4 (91.4/10)	12.1 (12)	9.5 (12)	
1965	888 (12)			-7.71 (100.0/12)	-7.59 (100.0/12)	-52.3 (100.0/12)	-50.5 (100.0/12)	9.4 (100.0/12)	10.2 (12)	9.1 (12)	
1966	853 (12)			-8.47 (93.9/11)	-8.20 (93.9/11)	-58.9 (93.9/11)	-56.9 (93.9/11)	8.9 (93.9/11)	8.8 (12)	9.6 (12)	
1967	823 (12)			-6.86 (100.0/12)	-7.04 (100.0/12)	-43.6 (88.2/11)	-45.3 (88.2/11)	13.2 (88.2/11)	12.4 (12)	10.2 (12)	
1968	816 (12)			-8.30 (100.0/12)	-8.39 (100.0/12)	-52.7 (100.0/12)	-52.8 (100.0/12)	13.8 (100.0/12)	14.4 (12)	9.4 (12)	
1969	804 (12)			-8.70 (100.0/12)	-8.82 (100.0/12)	-56.0 (81.5/10)	-55.3 (81.5/10)	12.4 (81.5/10)	13.1 (12)	9.1 (12)	
1970	839 (12)	138.4 (100.0/12)	158.8 (100.0/12)	-8.44 (100.0/12)	-8.31 (100.0/12)	-54.6 (100.0/12)	-54.2 (100.0/12)	13.0 (100.0/12)	12.3 (12)	9.0 (12)	
1971	587 (12)	287.9 (91.1/11)	250.9 (100.0/12)	-7.41 (100.0/12)	-7.24 (100.0/12)	-48.0 (100.0/12)	-46.8 (100.0/12)	11.3 (100.0/12)	11.1 (12)	9.7 (12)	
1972	733 (12)	218.1 (100.0/12)	232.4 (100.0/12)	-7.40 (100.0/12)	-7.76 (100.0/12)	-49.0 (100.0/12)	-51.5 (100.0/12)	10.3 (100.0/12)	10.6 (12)	9.2 (12)	
1973	770 (12)	90.6 (100.0/12)	106.8 (87.2/11)	-7.78 (87.2/11)	-7.66 (87.2/11)	-47.1 (87.2/11)	-47.7 (87.2/11)	15.2 (87.2/11)	13.7 (12)	9.9 (12)	
1974	803 (12)	93.3 (99.3/11)	104.9 (100.0/12)	-7.96 (100.0/12)	-7.79 (100.0/12)	-50.8 (100.0/12)	-49.7 (100.0/12)	12.9 (100.0/12)	12.7 (12)	10.1 (12)	
1975	616 (12)	112.8 (100.0/12)	112.1 (100.0/12)	-8.19 (100.0/12)	-7.56 (100.0/12)	-53.2 (100.0/12)	-48.4 (100.0/12)	12.3 (100.0/12)	12.1 (12)	10.3 (12)	
1976	516 (12)	57.4 (99.2/11)	62.1 (100.0/12)	-7.83 (100.0/12)	-7.32 (100.0/12)	-49.3 (100.0/12)	-45.8 (100.0/12)	13.4 (100.0/12)	12.8 (12)	9.9 (12)	
1977	735 (12)	60.9 (100.0/12)	64.3 (100.0/12)	-7.84 (100.0/12)	-7.33 (100.0/12)	-50.7 (100.0/12)	-47.3 (100.0/12)	12.1 (100.0/12)	11.4 (12)	9.9 (12)	
1978	657 (12)	69.9 (100.0/12)	70.6 (100.0/12)	-8.15 (100.0/12)	-8.25 (100.0/12)	-54.5 (100.0/12)	-55.0 (100.0/12)	10.8 (100.0/12)	11.1 (12)	9.5 (12)	
1979	818 (12)	42.2 (100.0/12)	43.0 (100.0/12)	-8.52 (100.0/12)	-8.69 (100.0/12)	-57.2 (100.0/12)	-59.3 (100.0/12)	11.1 (100.0/12)	10.3 (12)	8.6 (12)	
1980	864 (12)	30.7 (100.0/12)	32.0 (100.0/12)	-7.40 (100.0/12)	-7.38 (100.0/12)	-49.0 (100.0/12)	-49.4 (100.0/12)	10.3 (100.0/12)	9.7 (12)	9.3 (12)	
1981	812 (12)	29.9 (100.0/12)	32.5 (100.0/12)	-7.13 (100.0/12)	-6.87 (100.0/12)	-45.0 (100.0/12)	-43.5 (100.0/12)	12.1 (100.0/12)	11.5 (12)	9.5 (12)	
1982	663 (12)	21.4 (100.0/12)	22.5 (100.0/12)	-7.44 (100.0/12)	-6.99 (91.1/11)	-46.7 (91.1/11)	-43.3 (91.1/11)	12.0 (91.1/11)	11.7 (12)	10.3 (12)	
1983	769 (12)	21.0 (100.0/12)	23.1 (100.0/12)	-7.69 (100.0/12)	-7.04 (100.0/12)	-50.7 (100.0/12)	-46.4 (100.0/12)	10.9 (100.0/12)	9.9 (12)	10.3 (12)	
1984	813 (12)	20.0 (100.0/12)	20.3 (100.0/12)	-7.92 (100.0/12)	-8.23 (100.0/12)	-53.4 (100.0/12)	-55.9 (100.0/12)	10.0 (100.0/12)	9.9 (12)	9.5 (12)	
1985	824 (12)	19.0 (100.0/12)	18.8 (100.0/12)	-7.44 (100.0/12)	-7.11 (100.0/12)	-49.0 (100.0/12)	-46.2 (100.0/12)	10.6 (100.0/12)	10.8 (12)	8.5 (12)	
1986	754 (12)	23.0 (100.0/12)	23.6 (100.0/12)	-8.24 (100.0/12)	-8.03 (100.0/12)	-55.9 (100.0/12)	-55.3 (100.0/12)	10.2 (100.0/12)	9.0 (12)	8.7 (12)	
1987	844 (12)	18.0 (100.0/12)	18.7 (100.0/12)	-7.83 (100.0/12)	-7.86 (100.0/12)	-51.5 (100.0/12)	-51.6 (100.0/12)	11.2 (100.0/12)	11.3 (12)	8.7 (12)	
Long Term Means 758				-7.84	-7.70	-51.2	-50.2	11.6	11.4	9.5	
σ				0.48	0.56	4.0	4.5	1.5	1.4	0.5	

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	65	24	-9.55	1.71	23	-64.4	14.3	23	12.0	3.2	23	1.7	2.7	24			
Feb	39	24	-9.73	2.10	23	-67.0	16.6	23	10.8	3.3	23	2.1	2.2	24			
Mar	54	24	-8.54	1.57	24	-57.2	13.2	23	11.1	2.9	23	4.5	1.9	24			
Apr	46	24	-7.90	1.82	24	-52.0	15.2	24	11.2	2.8	24	7.8	1.0	24			
May	61	24	-6.65	1.18	24	-44.4	8.5	23	9.2	2.8	23	12.3	1.2	24			
Jun	69	24	-6.41	1.32	24	-42.8	10.7	24	8.6	2.8	24	15.4	1.2	24			
Jul	77	24	-5.99	1.39	23	-39.4	10.6	23	8.6	2.1	23	17.0	1.3	24			
Aug	61	24	-6.43	1.36	24	-41.1	10.8	24	10.3	3.3	24	17.4	1.2	24			
Sep	69	24	-6.56	1.61	24	-40.1	11.8	24	12.4	3.2	24	14.6	1.0	24			
Oct	67	24	-7.42	1.52	23	-45.8	12.7	23	13.5	3.7	23	10.7	1.2	24			
Nov	78	24	-8.65	1.28	24	-54.8	10.0	23	14.4	3.0	23	6.3	1.5	24			
Dec	74	24	-8.61	1.73	24	-54.2	13.5	23	13.6	3.0	23	3.4	2.2	24			

CORRELATIONS

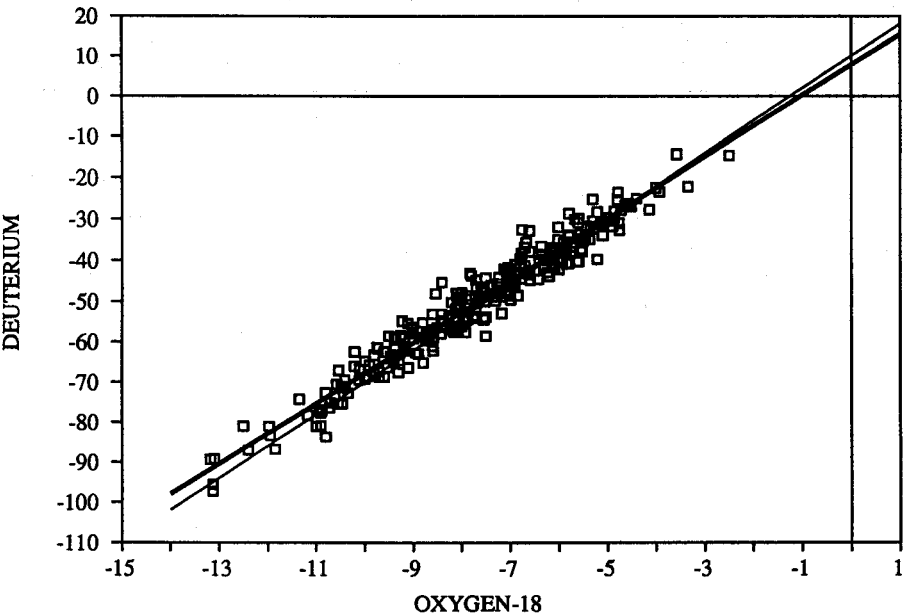
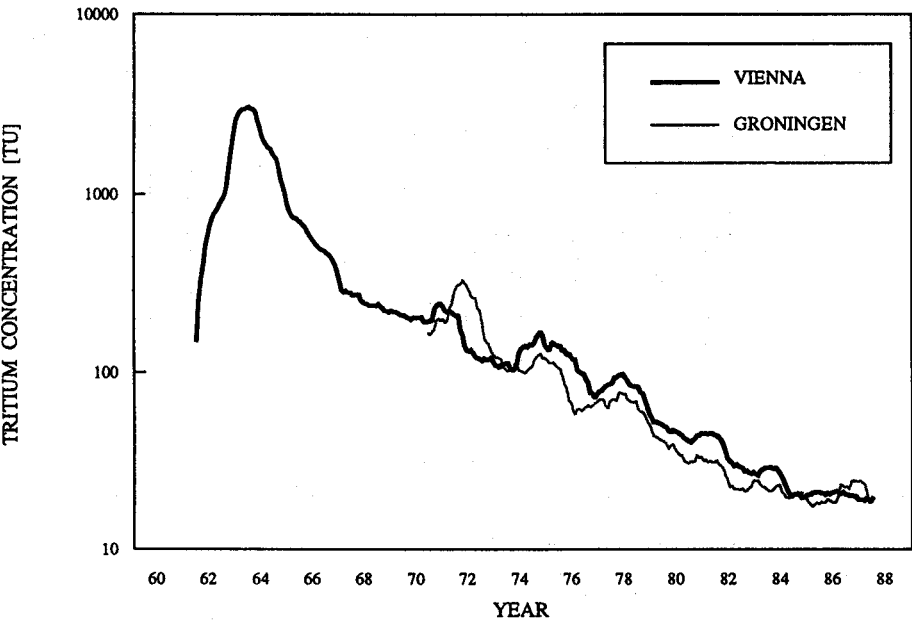
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	203	0.89	0.04	0.12	0.07	0.722	0.22
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	17	1.01	0.08	-0.12	0.14	0.922	0.11
3) Monthly Deut vs. Monthly Precipitation	280	-0.06	0.03	-46.64	1.96	0.015	15.17
4) Monthly Oxyg-18 vs. Monthly Prec	284	-0.01	0.00	-7.20	0.25	0.017	1.96
5) Monthly Deut vs. Monthly Temperature	280	1.61	0.12	-65.51	1.38	0.380	12.04
6) Monthly Oxyg-18 vs. Monthly Temp	284	0.22	0.02	-9.82	0.17	0.439	1.48
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	280	7.55	0.10	7.86	0.82	0.950	3.41
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	280	7.75	0.10	9.37	0.85	0.950	3.41

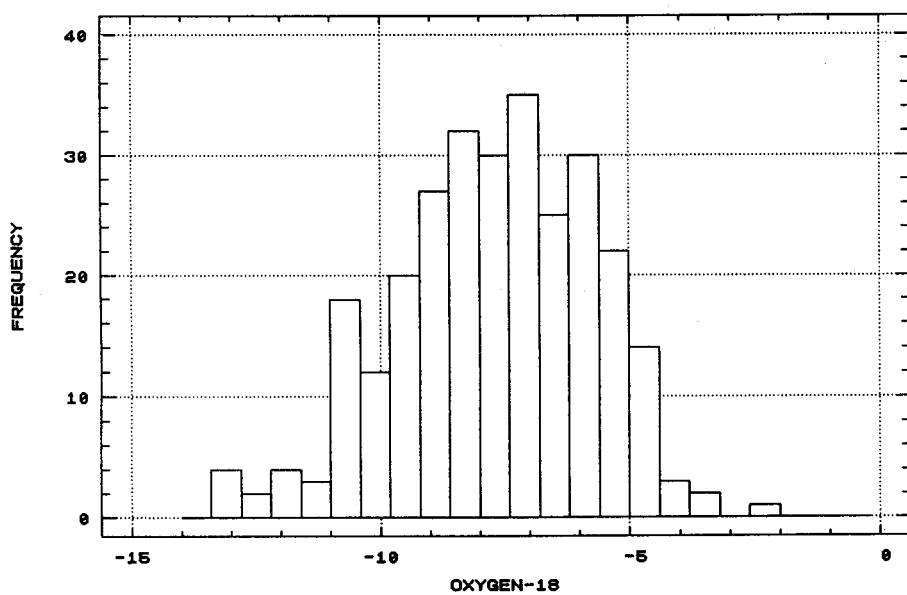
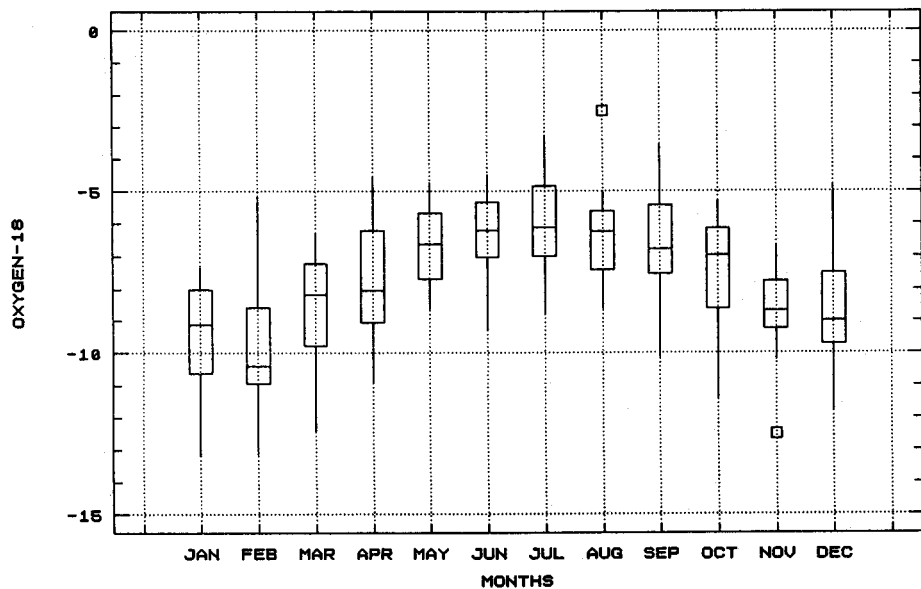
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
73 / 7	-6.48	-58.4		

0628001 GRONINGEN, NETHERLANDS

Lat. 53.21N Long. 6.57E Alt. 0 m a.s.l.





0663000 BERN, SWITZERLAND

Lat. 46.92N Long. 7.50E Alt. 511 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	867 (12)	306.6 (66.3/7)	307.0							8.5 (12)	
1970	1063 (12)	204.2 (100.0/12)	204.2							8.7 (12)	7.1 (12)
1971	906 (12)	270.2 (100.0/12)	231.6	-9.19	-10.11					8.7 (12)	7.2 (12)
1972	901 (12)	479.1 (100.0/12)	310.1	-9.91	-10.95					8.4 (12)	6.8 (12)
1973	951 (12)	184.2 (100.0/12)	175.9	-9.78	-10.22					8.6 (12)	7.2 (12)
1974	930 (12)	224.7 (100.0/12)	216.5	-9.53	-9.39					9.3 (12)	7.1 (12)
1975	2053 (12)	238.0 (100.0/12)	268.2	-11.56	-11.12					9.1 (12)	
1976	724 (12)	154.8 (96.1/11)	174.1	-10.58	-10.93					9.2 (12)	
1977	1285 (12)	183.5 (100.0/12)	179.3	-9.95	-10.01					9.2 (12)	
1978	1079 (12)	264.8 (100.0/12)	305.9	-10.25	-11.23					7.6 (12)	
1979	1243 (12)	199.4 (100.0/12)	193.8	-10.55	-10.27					8.2 (12)	
1980	1149 (12)	90.3 (100.0/12)	94.7	-10.66	-10.67					7.7 (12)	8.4 (12)
1981	1147 (12)	122.1 (100.0/12)	121.3	-10.62	-10.24					8.4 (12)	9.0 (12)
1982	1176 (12)	58.0 (100.0/12)	64.5	-9.82	-10.49					9.0 (12)	9.6 (12)
1983	923 (12)	77.3 (100.0/12)	79.0	-9.61	-9.55					8.8 (12)	9.5 (12)
1984	984 (12)	97.5 (100.0/12)	111.2	-11.27	-11.68					8.1 (12)	8.5 (12)
1985	962 (12)	113.5 (100.0/12)	118.3	-10.67	-10.14					7.9 (12)	8.8 (12)
1986	1132 (12)	75.3 (100.0/12)	81.7	-9.16	-9.63					8.3 (12)	9.4 (12)
1987	1236 (12)	88.6 (100.0/12)	98.7	-9.91	-10.15					8.2 (12)	9.6 (12)
Long Term											
Means 1090				-10.25	-10.40					8.5	8.3
σ				0.68	0.62					0.5	1.0

MONTHLY MEANS

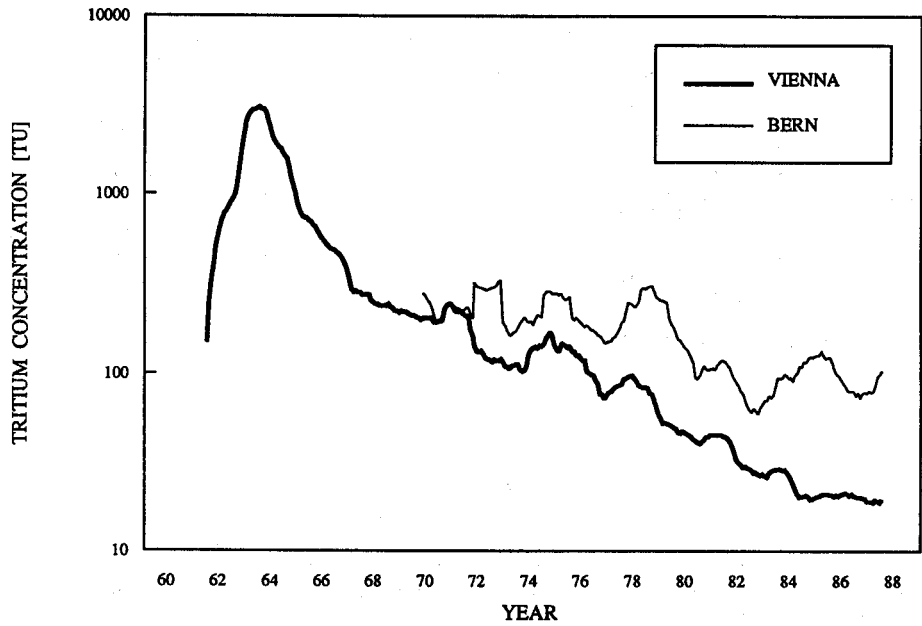
Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	75	19		-13.09	2.89	17							-0.7	2.2	19	4.6	0.8	13
Feb	59	19		-13.10	1.93	17							0.8	2.2	19	4.7	0.8	13
Mar	74	19		-11.93	1.70	17							4.1	1.9	19	5.5	1.1	13
Apr	89	19		-10.86	2.09	17							7.6	1.5	19	6.6	1.2	13
May	122	19		-9.71	2.09	17							12.0	1.5	19	9.0	1.4	13
Jun	132	19		-8.27	1.13	17							15.4	1.3	19	11.2	1.5	13
Jul	105	19		-6.66	1.53	17							18.0	1.4	19	12.9	2.0	13
Aug	104	19		-6.94	1.58	17							17.2	1.1	19	13.1	1.3	13
Sep	94	19		-8.48	1.45	17							14.1	1.2	19	11.4	1.9	13
Oct	77	19		-11.24	3.03	17							8.9	1.4	19	8.6	1.7	13
Nov	93	19		-12.39	2.59	17							3.9	1.2	19	6.3	0.9	13
Dec	66	19		-12.08	1.86	17							0.5	1.7	19	5.2	0.9	13

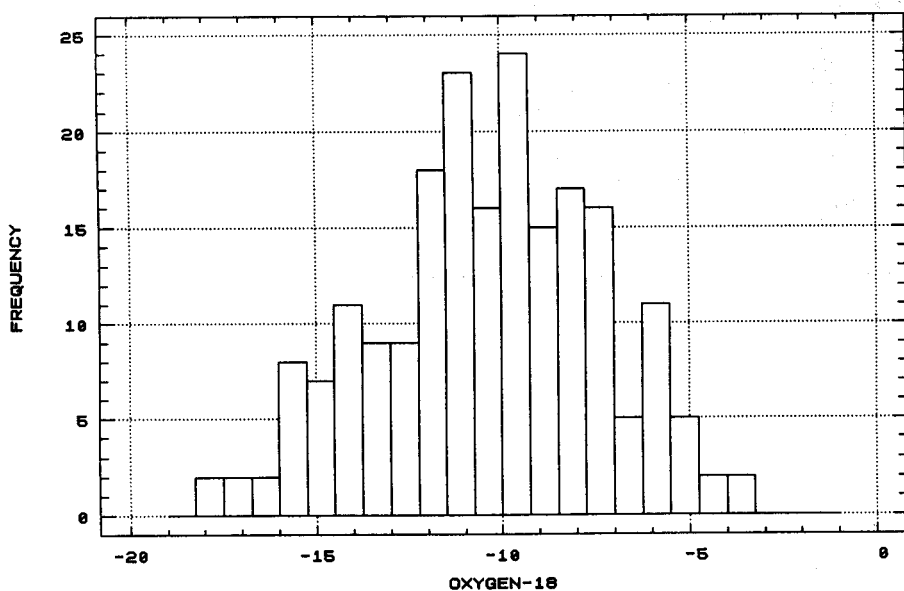
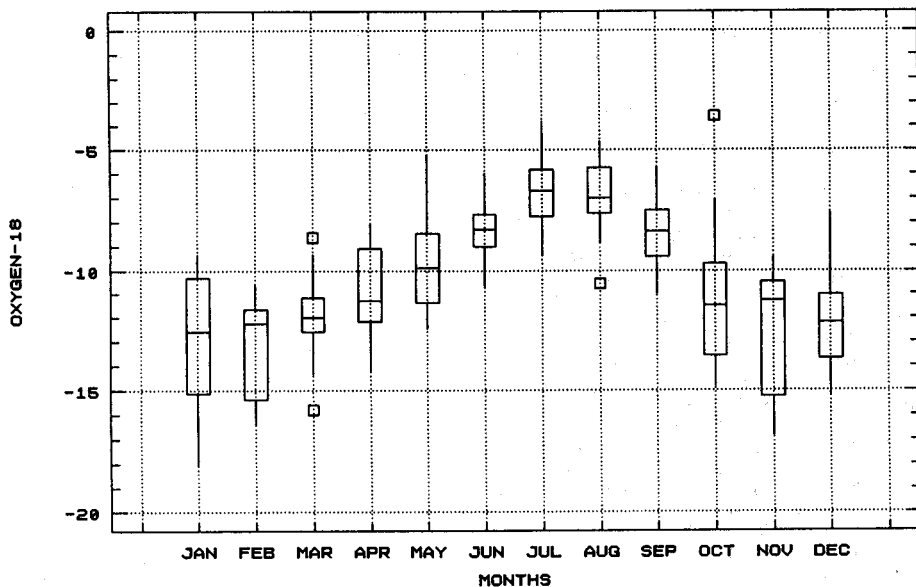
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	212	0.47	0.04	1.31	0.07	0.419	0.22
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	17	0.57	0.10	1.15	0.18	0.704	0.14
4) Monthly Oxyg-18 vs. Monthly Prec	204	0.00	0.00	-10.79	0.40	0.006	3.00
6) Monthly Oxyg-18 vs. Monthly Temp	204	0.34	0.02	-13.29	0.22	0.570	1.97

0663000 BERN, SWITZERLAND

Lat. 46.92N Long. 7.50E Alt. 511 m a.s.l.





0665701 GRIMSEL, SWITZERLAND

Lat. 46.57N Long. 8.33E Alt. 1950 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1970	777 (5)	127.9 (37.3/5)	129.8 (37.3/5)	-12.34 (37.3/5)	-12.10 (37.3/5)						
1971	1656 (12)	190.7 (100.0/12)	203.0 (100.0/12)	-14.22 (100.0/12)	-13.97 (100.0/12)					2.1 (12)	
1972	1871 (12)	103.3 (80.8/10)	111.1 (80.8/10)	-14.02 (100.0/12)	-14.30 (100.0/12)					1.3 (12)	
1973	2392 (12)	120.4 (100.0/12)	118.4 (100.0/12)	-13.94 (100.0/12)	-13.57 (100.0/12)					1.1 (12)	
1974	2526 (12)	205.4 (100.0/12)	184.5 (100.0/12)	-14.38 (100.0/12)	-13.75 (100.0/12)					0.9 (12)	
1975	1970 (12)	192.8 (100.0/12)	200.4 (100.0/12)	-14.72 (100.0/12)	-14.73 (100.0/12)					1.5 (12)	
1976	1852 (12)	146.0 (100.0/12)	159.3 (100.0/12)	-14.92 (100.0/12)	-14.34 (100.0/12)					1.0 (12)	
1977	2225 (12)	82.2 (100.0/12)	92.8 (100.0/12)	-14.10 (100.0/12)	-13.64 (100.0/12)					1.3 (12)	
1978	2233 (12)	92.0 (100.0/12)	92.7 (100.0/12)	-15.36 (100.0/12)	-15.37 (100.0/12)					1.0 (12)	
1979	2348 (12)	66.8 (100.0/12)	72.5 (100.0/12)	-15.41 (100.0/12)	-14.38 (100.0/12)					0.9 (12)	
1980	2407 (12)	50.9 (100.0/12)	51.4 (100.0/12)	-14.84 (100.0/12)	-14.68 (100.0/12)					0.4 (12)	4.8 (12)
1981	3066 (12)	80.8 (100.0/12)	69.4 (100.0/12)	-15.50 (100.0/12)	-14.72 (100.0/12)					0.8 (12)	4.1 (12)
1982	1819 (12)	38.2 (100.0/12)	39.8 (100.0/12)	-15.07 (100.0/12)	-14.72 (100.0/12)					1.8 (12)	5.2 (12)
1983	2096 (12)	27.2 (100.0/12)	33.2 (100.0/12)	-13.90 (100.0/12)	-13.11 (100.0/12)					2.3 (12)	4.7 (12)
1984	1890 (12)	25.6 (100.0/12)	27.0 (100.0/12)	-15.28 (100.0/12)	-15.18 (100.0/12)					0.7 (12)	4.4 (12)
1985	1693 (12)	24.7 (100.0/12)	25.6 (100.0/12)	-15.09 (100.0/12)	-13.64 (100.0/12)					1.5 (12)	4.2 (12)
1986	2482 (12)	18.9 (100.0/12)	22.9 (100.0/12)	-14.94 (100.0/12)	-14.26 (100.0/12)						
1987	2118 (12)	21.3 (96.7/11)	21.3 (96.7/11)	-13.74 (100.0/12)	-13.59 (100.0/12)					1.6 (12)	6.0 (12)
Long Term											
Means 2079				-14.69	-14.23					1.3	4.8
σ				0.59	0.62					0.5	0.6

MONTHLY MEANS

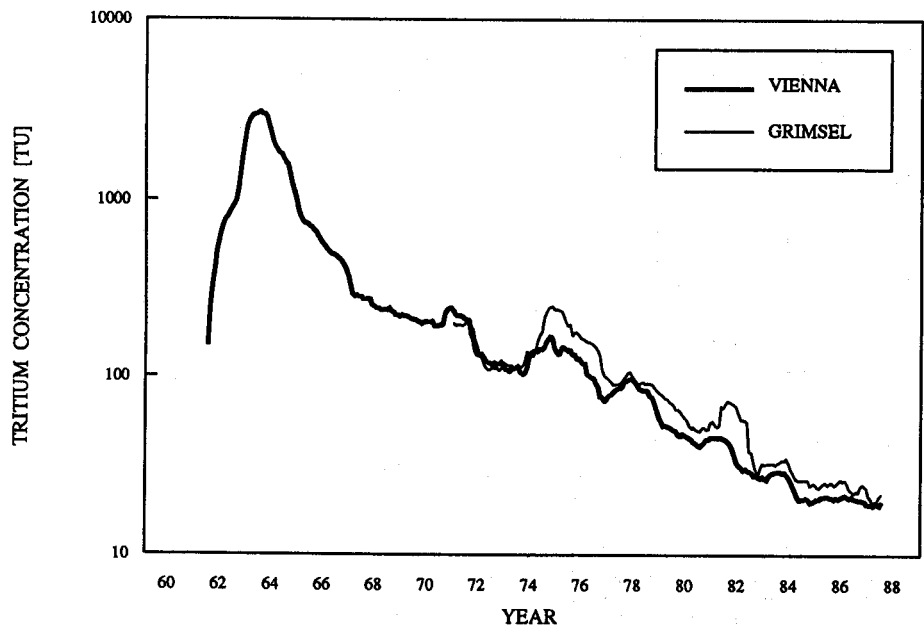
Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	264	17		-17.45	2.84	17							-6.2	2.0	17	2.6	0.3	8
Feb	179	17		-16.61	2.38	17							-5.9	1.8	17	2.6	0.5	8
Mar	193	17		-16.15	1.88	17							-4.2	1.9	16	3.2	0.5	7
Apr	207	17		-14.96	1.99	17							-1.6	1.8	17	4.0	0.6	8
May	149	17		-13.53	2.21	17							2.8	1.4	17	5.1	0.8	8
Jun	166	17		-12.09	1.38	17							6.1	1.2	17	6.4	1.0	8
Jul	143	17		-9.95	1.74	17							9.1	1.6	17	7.7	1.4	8
Aug	144	18		-10.03	1.60	18							9.2	1.1	18	8.0	1.4	8
Sep	117	18		-11.23	2.60	18							7.4	1.8	18	6.6	1.8	8
Oct	175	18		-14.93	3.73	18							3.5	2.3	18	5.3	0.9	8
Nov	208	18		-16.77	1.79	18							-1.4	1.8	18	3.7	0.6	8
Dec	208	18		-16.52	2.11	18							-4.2	1.9	18	2.8	0.7	8

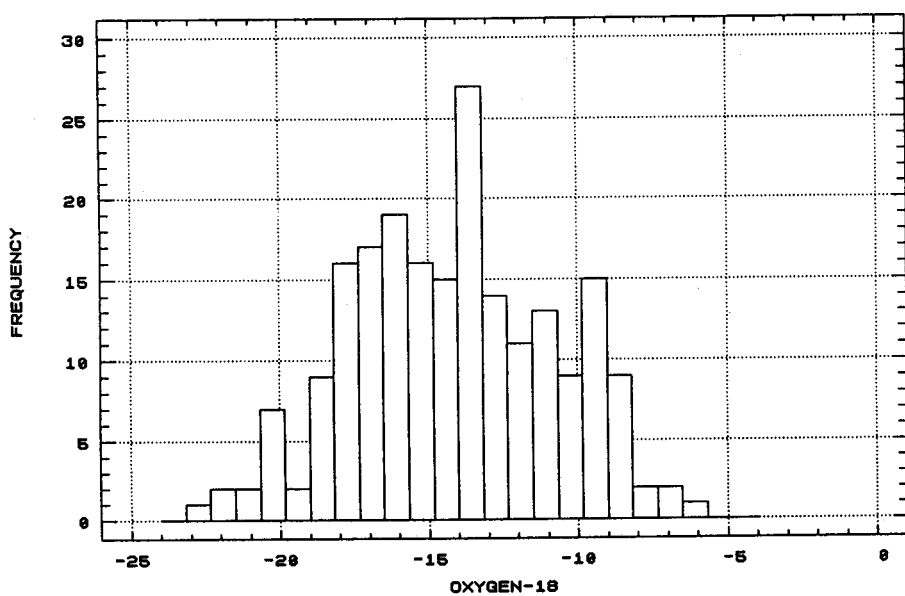
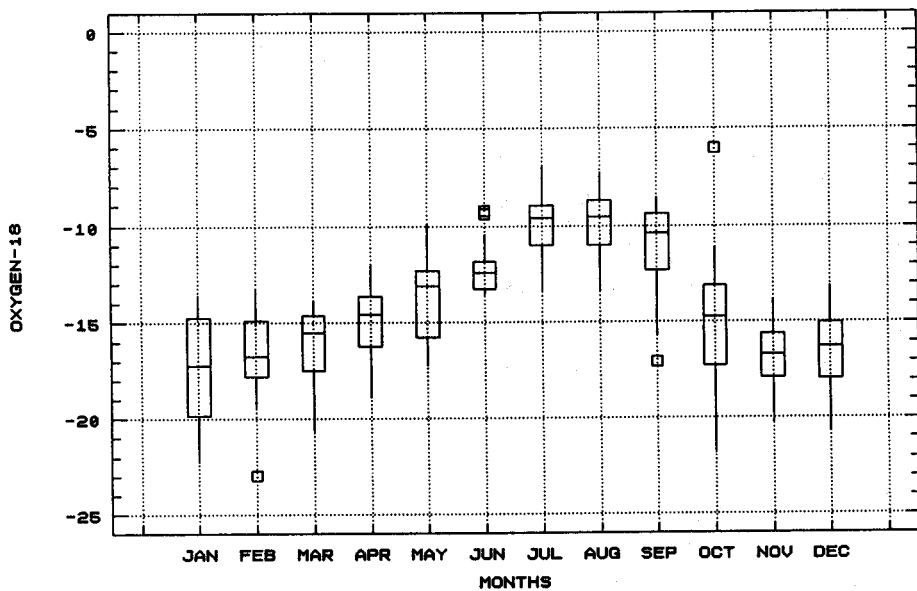
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	196	0.89	0.04	0.27	0.06	0.757	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	16	0.95	0.08	0.14	0.15	0.907	0.11
4) Monthly Oxyg-18 vs. Monthly Prec	209	-0.01	0.00	-12.77	0.47	0.055	3.35
6) Monthly Oxyg-18 vs. Monthly Temp	208	0.45	0.03	-14.76	0.16	0.595	2.20

0665701 GRIMSEL, SWITZERLAND

Lat. 46.57N Long. 8.33E Alt. 1950 m a.s.l.





0665702 GUTTANNEN, SWITZERLAND

Lat. 46.65N Long. 8.30E Alt. 1055 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1970	639 (5)			-11.03	-12.10 (37.9/5)						
1971	1351 (12)	85.2 (16.8/2)	88.0 (100.0/12)	-11.73	-12.16 (100.0/12)					6.5 (12)	
1972	1551 (12)	322.6 (88.5/11)	238.8 (100.0/12)	-12.20	-13.33 (100.0/12)					6.5 (12)	
1973	1737 (12)	135.8 (100.0/12)	135.0 (100.0/12)	-12.50	-12.55 (100.0/12)					6.2 (12)	
1974	1758 (12)	174.3 (100.0/12)	169.6 (100.0/12)	-13.13	-12.84 (100.0/12)					6.8 (12)	
1975	1642 (12)	210.8 (100.0/12)	246.0 (100.0/12)	-13.93	-14.24 (100.0/12)					6.4 (12)	
1976	1410 (12)	144.1 (100.0/12)	146.7 (100.0/12)	-12.80	-13.06 (100.0/12)					6.1 (12)	
1977	1920 (12)	83.7 (100.0/12)	81.4 (100.0/12)	-12.20	-12.29 (100.0/12)					6.3 (12)	
1978	1837 (12)	89.3 (100.0/12)	85.8 (100.0/12)	-13.59	-14.23 (100.0/12)					5.6 (12)	
1979	1905 (12)	59.1 (100.0/12)	62.5 (100.0/12)	-13.61	-13.23 (100.0/12)					6.0 (12)	
1980	1803 (12)	44.1 (93.8/11)	43.6 (93.8/11)	-13.73	-13.82 (93.8/11)					5.6 (12)	7.6 (12)
1981	2368 (12)	47.7 (100.0/12)	50.7 (100.0/12)	-13.23	-13.28 (100.0/12)					6.0 (12)	6.9 (12)
1982	1656 (12)	35.7 (100.0/12)	37.9 (100.0/12)	-12.74	-13.62 (100.0/12)					6.9 (12)	8.0 (12)
1983	1679 (12)	26.1 (100.0/12)	29.6 (100.0/12)	-12.17	-12.03 (100.0/12)					6.7 (12)	7.9 (12)
1984	1622 (12)	24.7 (100.0/12)	24.8 (100.0/12)	-13.74	-14.01 (100.0/12)					5.8 (12)	7.8 (12)
1985	1537 (12)	24.0 (100.0/12)	25.3 (100.0/12)	-12.91	-12.70 (100.0/12)					5.7 (12)	8.0 (12)
1986	1807 (12)	27.1 (100.0/12)	27.2 (100.0/12)	-12.30	-12.35 (100.0/12)					6.1 (12)	8.2 (12)
1987	2065 (12)	25.0 (100.0/12)	23.6 (100.0/12)	-12.01	-12.27 (100.0/12)					5.9 (12)	7.9 (12)
Long Term Means 1683				-12.87	-13.06					6.2	7.8
σ				0.70	0.73					0.4	0.4

MONTHLY MEANS

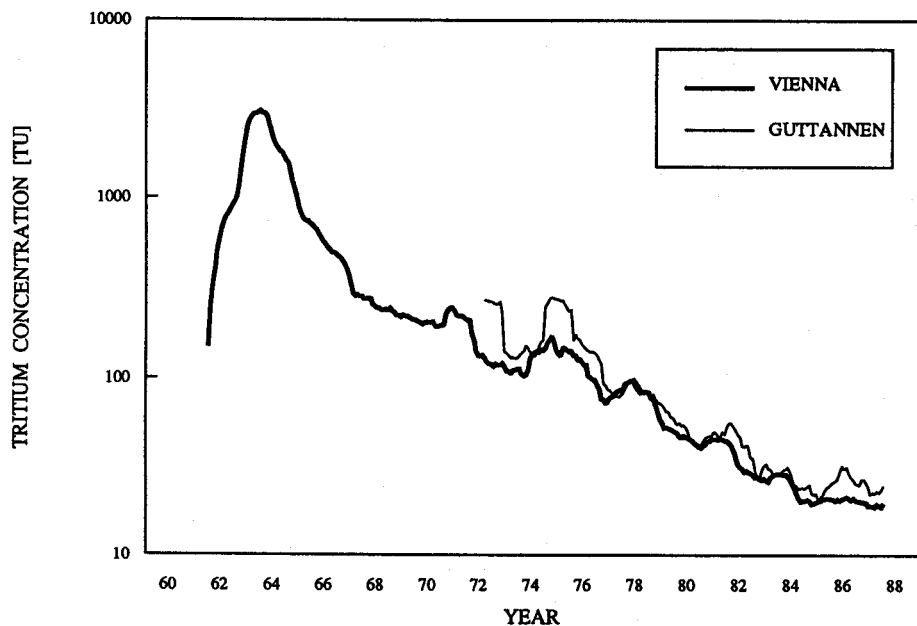
Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	141	17		-17.11	2.77	17							-1.7	2.7	17	4.1	0.6	8
Feb	114	17		-16.09	1.54	17							-1.2	2.5	17	4.2	0.6	8
Mar	139	17		-15.08	2.36	17							1.5	2.1	17	5.0	0.7	8
Apr	160	17		-14.01	1.95	17							4.6	1.6	17	6.2	0.6	8
May	160	17		-11.99	2.22	17							9.2	1.6	17	8.3	0.8	8
Jun	185	17		-10.42	1.51	17							12.2	1.1	17	10.9	0.6	8
Jul	156	17		-7.63	1.83	17							14.7	1.6	17	12.6	1.6	8
Aug	169	18		-8.21	1.97	17							14.2	1.2	18	12.3	1.3	8
Sep	120	18		-9.58	2.41	18							11.7	1.6	18	10.8	1.0	8
Oct	144	18		-13.49	3.87	18							7.1	1.8	18	8.0	0.9	8
Nov	138	18		-16.14	2.18	18							1.9	2.0	18	5.6	0.7	8
Dec	114	18		-16.38	1.98	18							-0.5	1.7	18	4.8	0.7	8

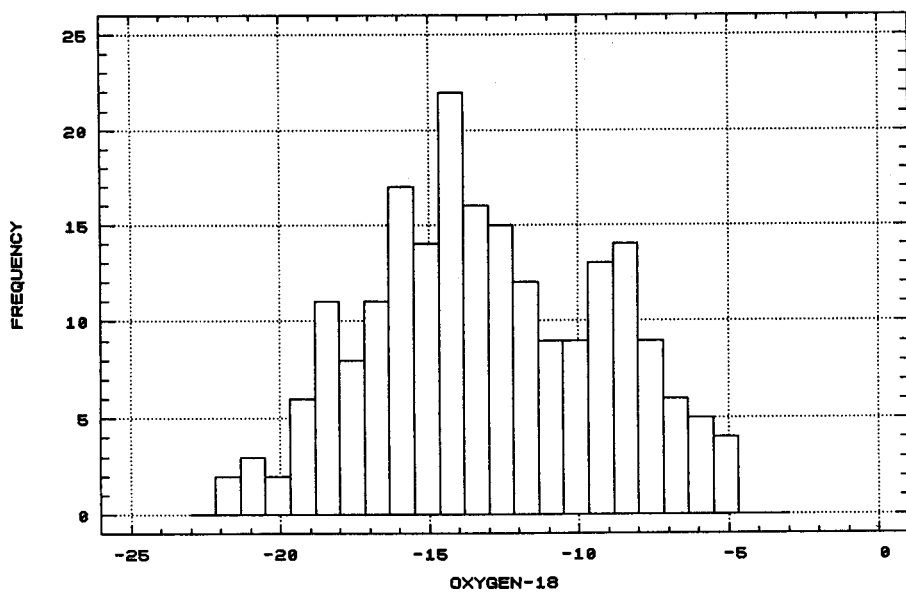
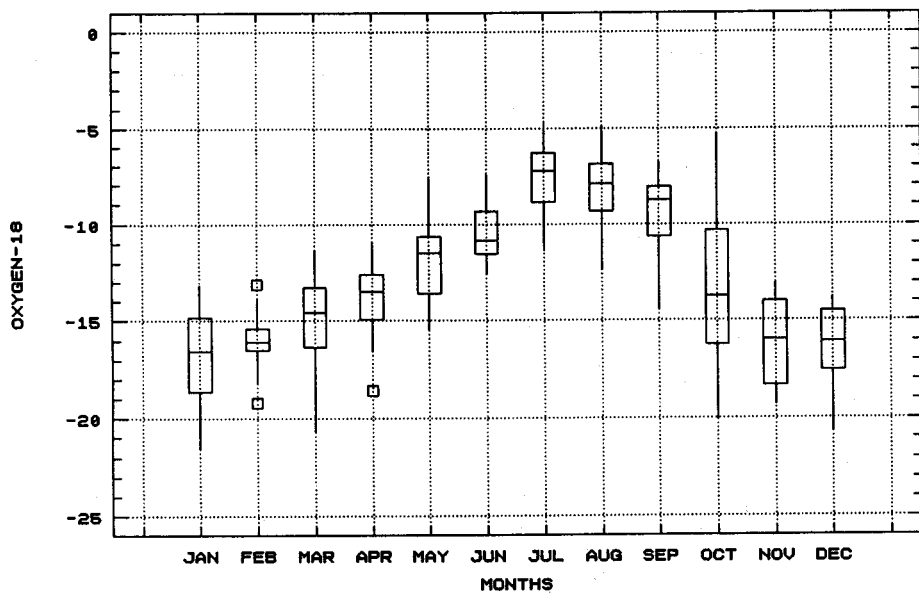
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	182	1.02	0.04	0.02	0.07	0.778	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	15	1.10	0.08	-0.10	0.14	0.937	0.10
4) Monthly Oxyg-18 vs. Monthly Prec	208	0.01	0.00	-13.96	0.64	0.012	3.91
6) Monthly Oxyg-18 vs. Monthly Temp	208	0.53	0.03	-16.26	0.22	0.681	2.22

0665702 GUTTANNEN, SWITZERLAND

Lat. 46.65N Long. 8.30E Alt. 1055 m a.s.l.





0665703 MEIRINGEN, SWITZERLAND

Lat. 46.73N Long. 8.20E Alt. 632 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1970	553 (5)	200.0 (40.7/4)	158.5 (43.2/5)	-9.34 (43.2/5)	-10.68 (43.2/5)						
1971	1071 (12)	244.4 (100.0/12)	219.4 (100.0/12)	-10.30 (100.0/12)	-11.52 (100.0/12)					7.9 (12)	
1972	1096 (12)	316.3 (85.9/10)	253.1 (100.0/12)	-10.72 (100.0/12)	-12.10 (100.0/12)					7.7 (12)	
1973	1258 (12)	149.4 (100.0/12)	139.3 (100.0/12)	-11.07 (100.0/12)	-11.98 (100.0/12)					7.6 (12)	
1974	1360 (12)	166.5 (100.0/12)	162.3 (100.0/12)	-11.39 (100.0/12)	-11.60 (100.0/12)					8.2 (12)	
1975	1287 (12)	205.1 (100.0/12)	234.8 (100.0/12)	-12.84 (100.0/12)	-13.30 (100.0/12)					8.0 (12)	
1976	1114 (12)	150.4 (100.0/12)	147.2 (100.0/12)	-11.97 (100.0/12)	-12.76 (100.0/12)					8.2 (12)	
1977	1508 (12)	101.1 (100.0/12)	89.3 (100.0/12)	-11.59 (100.0/12)	-11.90 (100.0/12)					8.3 (12)	
1978	1433 (12)	93.0 (100.0/12)	90.8 (100.0/12)	-12.92 (100.0/12)	-14.02 (100.0/12)					7.5 (12)	
1979	1475 (12)	66.1 (100.0/12)	67.0 (100.0/12)	-12.15 (100.0/12)	-12.29 (100.0/12)					8.2 (12)	
1980	1284 (12)	46.9 (100.0/12)	46.1 (100.0/12)	-12.82 (100.0/12)	-12.70 (100.0/12)					7.2 (12)	8.9 (12)
1981	1633 (12)	48.9 (100.0/12)	52.0 (100.0/12)	-12.52 (100.0/12)	-12.89 (100.0/12)					7.8 (12)	7.8 (12)
1982	1370 (12)	34.2 (100.0/12)	35.5 (100.0/12)	-11.69 (100.0/12)	-12.80 (100.0/12)					8.6 (12)	9.6 (12)
1983	1232 (12)	29.4 (100.0/12)	30.4 (100.0/12)	-11.11 (100.0/12)	-11.25 (100.0/12)					8.6 (12)	9.6 (12)
1984	1212 (12)	31.4 (100.0/12)	30.0 (100.0/12)	-12.58 (100.0/12)	-13.50 (100.0/12)					7.9 (12)	8.6 (12)
1985	1189 (12)	25.3 (100.0/12)	24.4 (100.0/12)	-11.99 (100.0/12)	-11.89 (100.0/12)					7.6 (12)	9.0 (12)
1986	1445 (12)	30.0 (100.0/12)	26.5 (100.0/12)	-11.07 (100.0/12)	-11.59 (100.0/12)					8.0 (12)	9.2 (12)
1987	1483 (12)	18.4 (27.0/3)	19.4 (100.0/12)	-10.98 (100.0/12)	-10.90 (100.0/12)					7.8 (12)	8.5 (12)
Long Term											
Means 1278				-11.77	-12.29					7.9	8.9
σ				0.81	0.84					0.3	0.6

MONTHLY MEANS

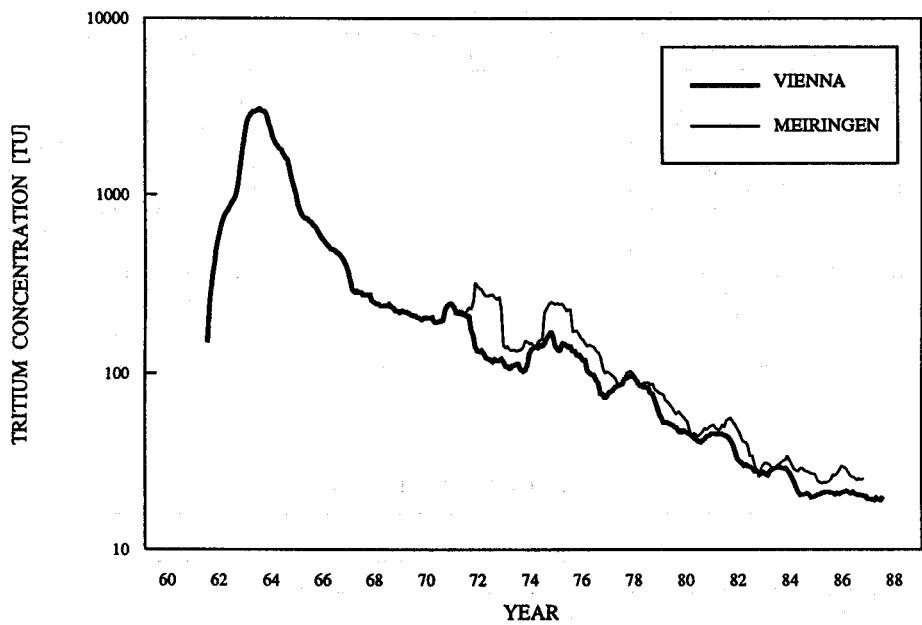
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	103	17	-15.86	2.87	17							-0.8	2.1	17	4.7	0.7	8
Feb	80	17	-15.63	1.65	17							0.6	2.2	17	5.0	0.8	8
Mar	97	17	-14.54	2.37	17							4.0	2.0	17	5.8	0.9	8
Apr	91	17	-13.69	2.78	17							7.4	1.6	17	7.2	0.8	8
May	117	17	-11.31	2.60	17							11.5	1.4	17	9.8	0.8	8
Jun	156	17	-9.51	1.34	17							14.0	1.1	17	12.2	1.3	8
Jul	150	17	-7.17	1.63	17							16.3	1.6	17	14.5	1.8	8
Aug	163	18	-7.64	1.83	18							15.9	0.9	18	14.4	1.4	8
Sep	84	18	-8.63	1.73	18							13.3	1.4	18	11.4	3.2	8
Oct	97	18	-12.81	3.86	18							8.8	1.8	18	9.4	1.0	8
Nov	101	18	-15.28	2.60	18							3.7	1.4	18	6.3	1.0	8
Dec	84	18	-15.03	2.06	18							0.3	1.4	18	5.4	0.7	8

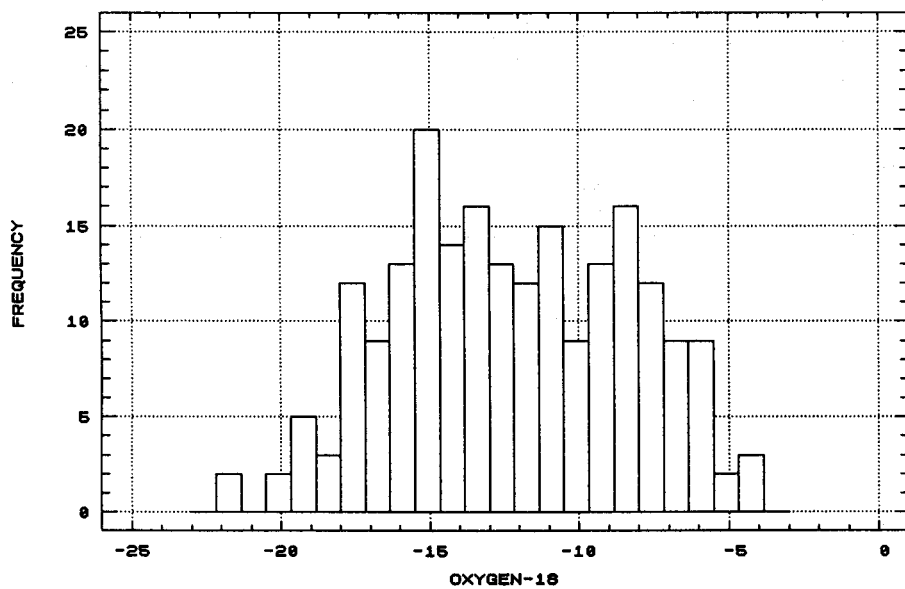
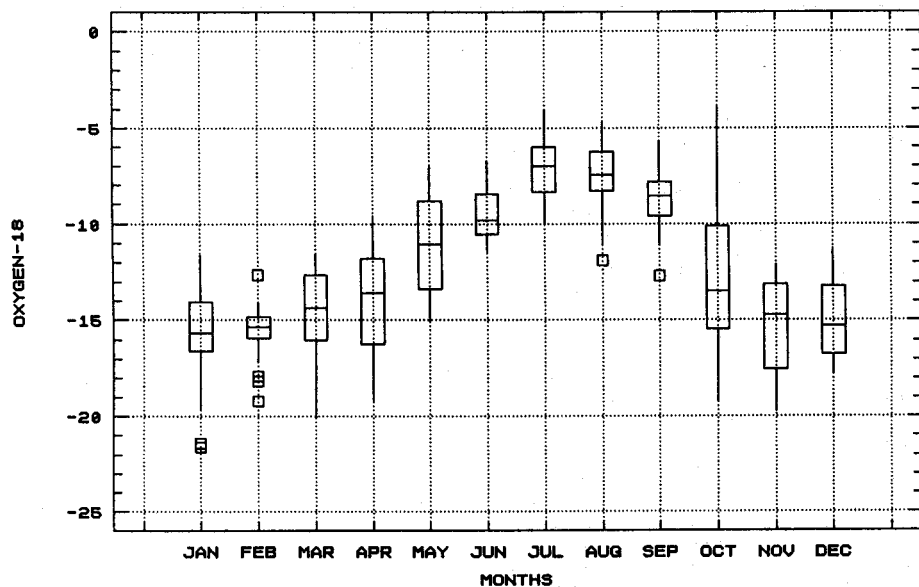
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	187	0.98	0.04	0.10	0.06	0.799	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	15	1.05	0.07	-0.01	0.14	0.942	0.09
4) Monthly Oxyg-18 vs. Monthly Prec	209	0.02	0.00	-14.36	0.58	0.075	3.76
6) Monthly Oxyg-18 vs. Monthly Temp	209	0.50	0.03	-16.20	0.27	0.634	2.37

0665703 MEIRINGEN, SWITZERLAND

Lat. 46.73N Long. 8.20E Alt. 632 m a.s.l.





0676000 LOCARNO, SWITZERLAND

Lat. 46.17N Long. 8.78E Alt. 379 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1966	784 (4)	174.0 (42.3/4)	169.8								
1972	1617 (12)	90.1 (27.6/4)	78.3	-11.91 (27.6/4)	-11.86					11.4 (12)	
1973	1444 (12)	89.9 (99.7/11)	84.2	-7.47 (100.0/12)	-8.63					12.0 (12)	7.1 (12)
1974	1593 (12)	90.6 (100.0/12)	93.7	-8.12 (100.0/12)	-8.37					12.1 (12)	7.1 (12)
1975	2053 (12)	92.1 (100.0/12)	88.3	-9.37 (100.0/12)	-9.72					11.9 (12)	
1976	2002 (12)	49.1 (99.1/11)	75.5	-9.37 (100.0/12)	-9.94					12.3 (12)	
1977	2745 (12)	61.5 (100.0/12)	58.5	-8.10 (100.0/12)	-8.67					11.5 (12)	
1978	1829 (12)	73.8 (99.7/11)	70.8	-10.12 (100.0/12)	-10.26					11.0 (12)	
1979	2008 (12)	43.0 (100.0/12)	45.6	-9.73 (100.0/12)	-10.21					11.3 (12)	
1980	1473 (12)	35.5 (99.8/10)	33.2	-8.48 (99.8/10)	-9.77					11.1 (12)	9.2 (12)
1981	2204 (12)	36.9 (100.0/12)	41.8	-9.04 (100.0/12)	-10.97					11.6 (12)	9.5 (12)
1982	1876 (12)	27.9 (100.0/12)	30.2	-7.86 (100.0/12)	-8.46					11.8 (12)	10.0 (12)
1983	1937 (12)	20.6 (100.0/12)	23.7	-7.41 (100.0/12)	-8.72					11.9 (12)	9.8 (12)
1984	2133 (12)	20.1 (99.8/11)	18.6	-9.86 (99.8/11)	-10.74					11.1 (12)	9.0 (12)
1985	1728 (12)	17.8 (95.3/11)	17.6	-9.30 (95.3/11)	-10.12					11.5 (12)	9.3 (12)
1986	1748 (12)	21.1 (96.7/11)	25.5	-8.00 (96.7/11)	-8.76					11.9 (12)	10.0 (12)
1987	2276 (12)	17.6 (98.8/11)	17.6	-7.26 (100.0/12)	-8.72					11.6 (12)	9.9 (12)
Long Term											
Means 1850				-8.64	-9.47					11.6	9.1
σ				0.96	0.88					0.3	1.0

MONTHLY MEANS

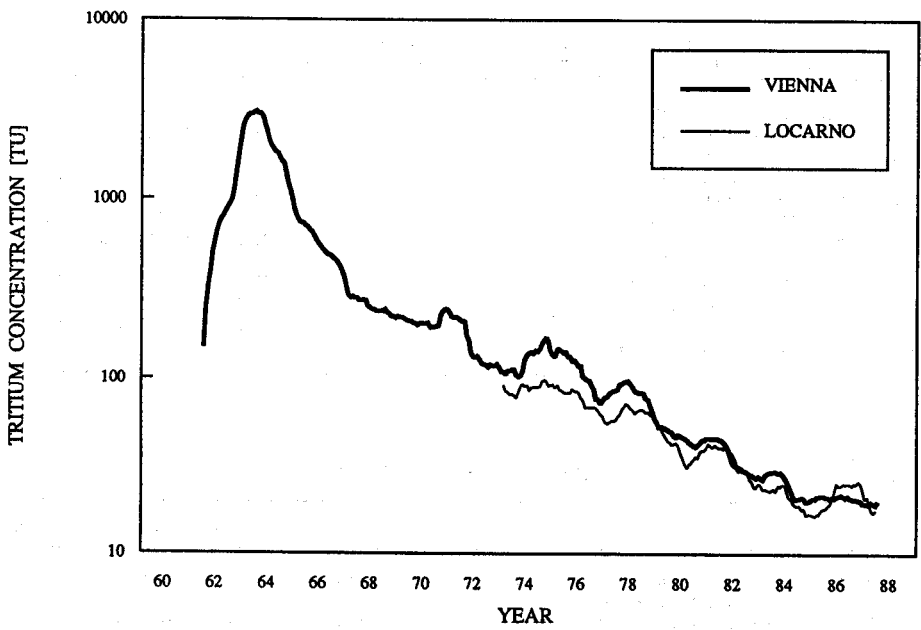
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	88	16	-13.84	2.30	15							3.0	1.7	16	4.5	0.5	10
Feb	73	16	-14.36	3.02	14							3.8	1.4	16	4.9	0.7	10
Mar	143	16	-10.68	2.09	15							7.2	1.1	16	5.7	1.0	10
Apr	177	16	-8.53	2.53	14							10.8	1.2	16	6.8	1.3	10
May	238	16	-7.68	1.90	15							14.4	1.7	16	9.6	1.8	10
Jun	175	16	-7.10	1.40	15							18.6	1.3	16	12.5	1.6	10
Jul	207	16	-5.25	1.27	14							21.1	1.4	16	14.8	2.2	10
Aug	220	16	-6.05	1.37	15							20.1	1.1	16	15.0	1.5	10
Sep	211	17	-6.65	2.54	15							17.0	1.5	17	13.6	2.1	11
Oct	211	17	-9.66	3.06	16							11.9	1.3	17	9.8	2.1	11
Nov	110	17	-12.50	3.81	15							6.8	0.9	17	6.5	1.0	11
Dec	76	17	-11.65	1.87	16							4.2	1.1	17	5.0	0.9	11

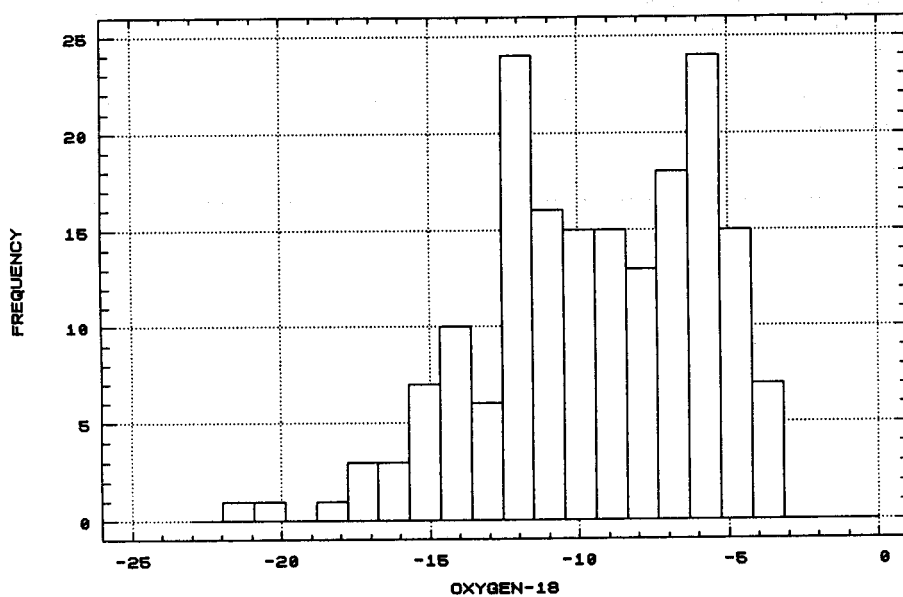
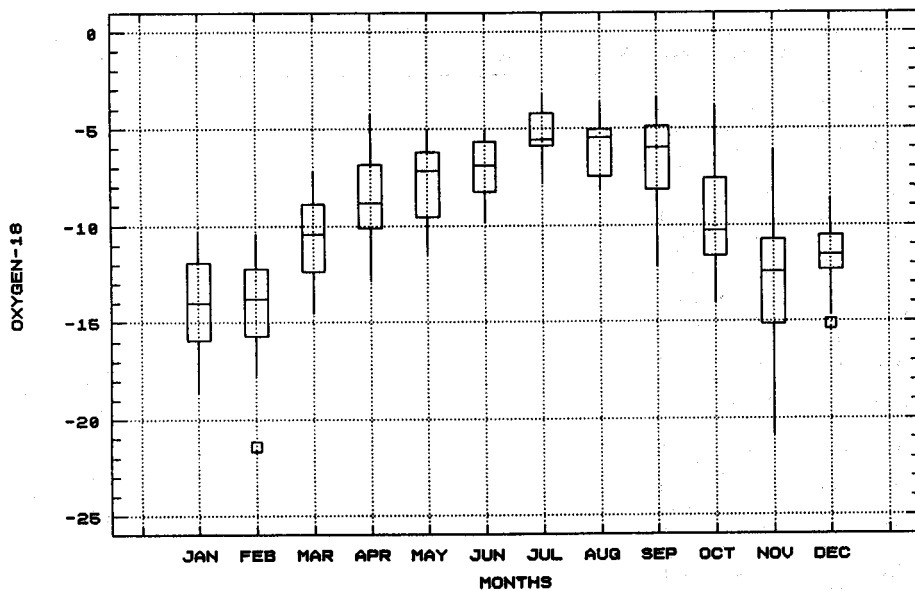
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	171	0.84	0.04	0.18	0.06	0.759	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	14	0.82	0.05	0.20	0.09	0.959	0.06
4) Monthly Oxyg-18 vs. Monthly Prec	179	0.01	0.00	-10.68	0.42	0.069	3.62
6) Monthly Oxyg-18 vs. Monthly Temp	179	0.46	0.03	-14.80	0.35	0.622	2.31

0676000 LOCARNO, SWITZERLAND

Lat. 46.17N Long. 8.78E Alt. 379 m a.s.l.





0719000 STRASBOURG, FRANCE

Lat. 48.55N Long. 7.63E Alt. 154 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1965	671 (12)	1066.8 (35.6/3)	1045.7							9.4 (12)	
1966	664 (12)	338.4 (24.8/2)	297.0							9.9 (12)	
1970	585 (12)	205.8 (100.0/12)	177.6							9.5 (12)	
1972	542 (12)	202.6 (75.4/7)	197.5							9.1 (12)	10.0 (12)
1973	446 (12)	251.8 (83.1/10)	276.4							9.8 (12)	10.1 (12)
1974	576 (12)	305.1 (85.2/10)	261.9							10.7 (12)	10.2 (12)
1975	591 (12)	519.0 (45.6/6)	536.7							10.1 (12)	10.5 (12)
1976	468 (12)	223.6 (36.9/4)	239.5							10.1 (12)	10.1 (12)
1977	690 (12)	160.1 (75.5/10)	159.8							10.3 (12)	10.3 (12)
1978	680 (12)	98.1 (86.7/11)	100.4							9.4 (12)	9.9 (12)
1979	635 (12)	69.8 (100.0/12)	65.6							10.2 (12)	10.1 (12)
1980	579 (12)	88.4 (100.0/12)	86.6							9.3 (12)	9.8 (12)
1981	683 (12)	52.7 (100.0/12)	56.4								
1982	800 (12)	85.5 (94.8/11)	75.7								
1983	542 (11)	37.6 (89.0/12)	39.7							10.3 (12)	10.3 (12)
1984	651 (12)	42.0 (100.0/12)	42.0								
Long Term Means 608											9.9 10.1
σ											0.4 0.2

MONTHLY MEANS

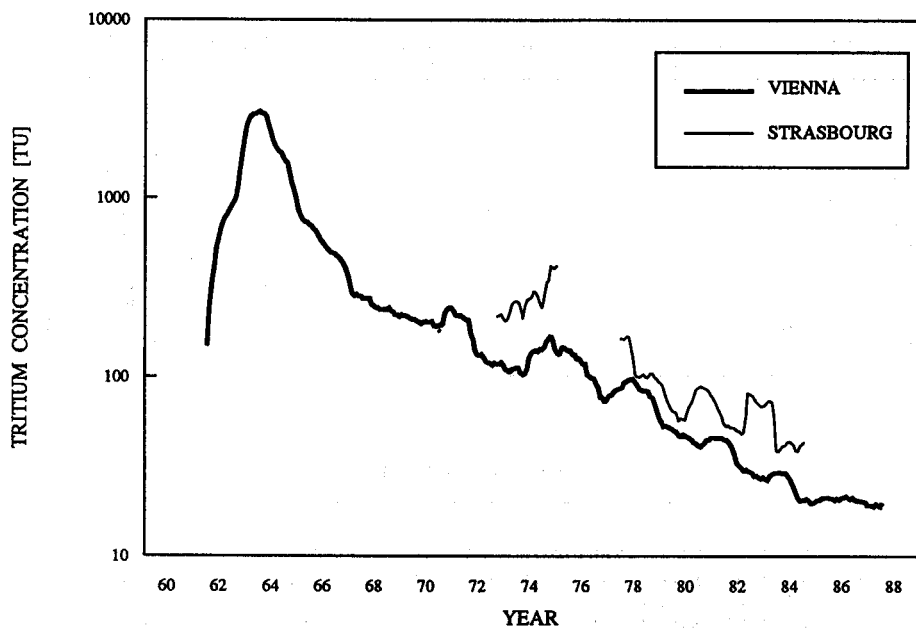
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	37	16										1.8	2.2	13	6.3	1.1	10
Feb	35	16										2.6	2.5	13	6.3	0.8	10
Mar	34	16										5.9	1.4	13	7.3	0.9	10
Apr	43	16										8.8	1.2	13	8.2	0.9	10
May	69	15										13.4	0.9	13	11.0	0.8	10
Jun	83	16										17.1	1.3	13	13.8	0.8	10
Jul	59	16										18.8	1.7	13	15.4	1.1	10
Aug	60	16										18.2	1.3	13	15.4	1.1	10
Sep	54	16										14.8	1.3	13	13.3	1.2	10
Oct	46	16										9.5	1.7	13	10.1	1.2	10
Nov	50	16										4.9	1.3	13	7.6	0.5	10
Dec	44	16										2.0	2.0	13	6.3	0.8	10

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	135	0.78	0.06	0.59	0.11	0.568	0.27
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	11	0.90	0.15	0.38	0.29	0.792	0.14

0719000 STRASBOURG, FRANCE

Lat. 48.55N Long. 7.63E Alt. 154 m a.s.l.



0723500 LE MANS, FRANCE

Lat. 47.93N Long. 0.20E Alt. 0 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1965	762 (12)	308.8	411.7 (23.2/3)							9.5 (12)	
1966	797 (12)	125.5	170.5 (13.1/2)							10.4 (12)	
1968	645 (12)	121.4	118.0 (100.0/12)								
1969	642 (12)	114.9	117.8 (63.2/10)								
1970	627 (12)	124.2	137.7 (100.0/12)								
1972	710 (12)	112.5	106.5 (90.4/11)								
1973	566 (12)	104.2	101.4 (86.5/10)								
1974	728 (12)	106.7	113.2 (87.9/10)								
1975	711 (12)	110.2	119.0 (60.6/8)								
1976	492 (12)	48.0	55.4 (58.9/5)								
1977	616 (12)	38.4	44.8 (30.5/4)								
1978	787 (12)	50.4	49.7 (93.0/9)							9.9 (12)	10.6 (12)
1979	724 (12)	59.0	52.7 (100.0/12)								
1980	715 (12)	40.7	41.7 (99.5/11)								
1981	559 (9)	33.2	34.4 (88.2/9)								
1982	37 (1)	24.0	24.0 (5.8/1)								
1983	663 (11)	22.1	23.7 (100.0/12)								
1984	770 (11)	32.2	31.1 (100.0/12)								
1985	565 (12)	27.3	28.4 (100.0/12)								
1986	652 (12)	31.0	34.0 (100.0/12)								
Long Term Means											
σ											9.9 10.6 0.5

MONTHLY MEANS

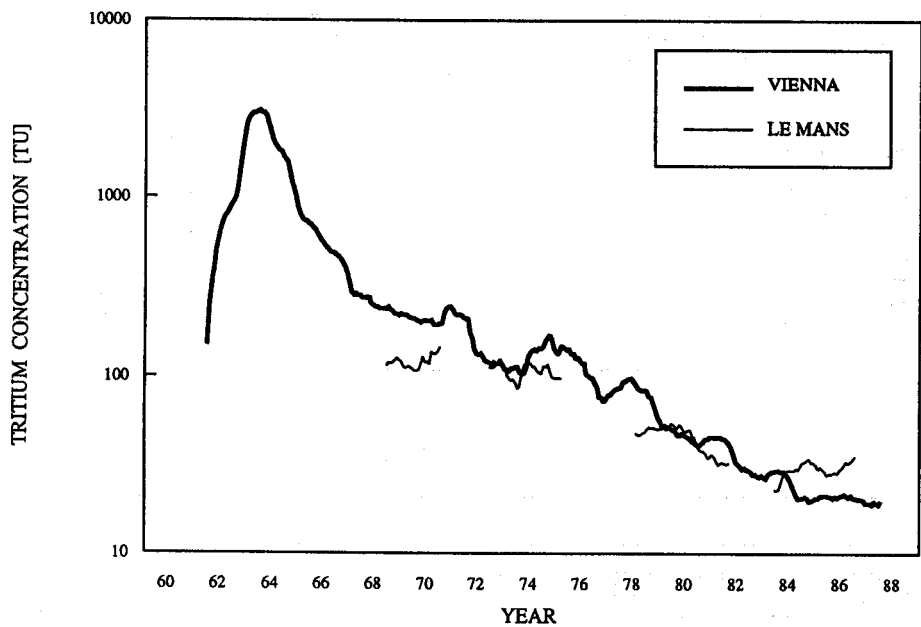
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	65	19										1.6	2.1	3	6.7		1
Feb	62	20										4.8	4.2	3	7.2		1
Mar	59	19										6.6	0.3	3	8.0		1
Apr	48	19										9.5	2.0	3	8.6		1
May	62	19										12.9	0.9	3	11.1		1
Jun	46	19										15.3	0.9	3	13.4		1
Jul	47	17										17.2	0.6	3	15.1		1
Aug	46	19										16.6	0.7	3	15.0		1
Sep	65	19										14.2	1.6	3	13.7		1
Oct	48	18										10.9	0.6	3	11.2		1
Nov	67	18										5.3	0.9	3	8.8		1
Dec	64	18										3.5		3	8.0		1

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	167	0.66	0.04	0.53	0.07	0.674	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	0.72	0.07	0.44	0.14	0.903	0.09

0723500 LE MANS, FRANCE

Lat. 47.93N Long. 0.20E Alt. 0 m a.s.l.



0748501 THONON-LES-BAINS, FRANCE

Lat. 46.22N Long. 6.28E Alt. 385 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1963	1122 (12)	3106.1 (64.1/7)	2798.9 (64.1/7)	-7.28 (64.1/7)	-7.48 (64.1/7)					9.6 (12)	
1964	802 (12)	1637.2 (89.2/10)	1726.3 (89.2/10)	-8.55 (100.0/12)	-8.95 (100.0/12)					10.6 (12)	
1965	1222 (12)	436.8 (74.3/8)	468.7 (74.3/8)	-9.61 (81.8/10)	-9.87 (81.8/10)					9.8 (12)	
1966	992 (12)	247.0 (100.0/12)	268.9 (100.0/12)	-9.31 (77.4/9)	-9.14 (77.4/9)					10.9 (12)	
1967	963 (12)	213.3 (100.0/12)	226.0 (100.0/12)	-8.24 (100.0/12)	-8.00 (100.0/12)					10.8 (12)	
1968	1201 (12)	216.8 (100.0/12)	208.5 (100.0/12)	-9.94 (100.0/12)	-10.63 (100.0/12)					10.2 (12)	
1969	837 (12)	206.3 (100.0/12)	196.6 (100.0/12)	-10.22 (100.0/12)	-9.91 (100.0/12)					10.3 (12)	
1970	1083 (12)	188.8 (100.0/12)	190.8 (100.0/12)	-9.15 (100.0/12)	-8.60 (100.0/12)					10.4 (12)	
1971	673 (12)	227.7 (100.0/12)	212.3 (100.0/12)	-9.98 (100.0/12)	-9.61 (100.0/12)					10.6 (12)	
1972	725 (12)	144.5 (100.0/12)	149.2 (100.0/12)	-9.95 (100.0/12)	-10.07 (100.0/12)					10.2 (12)	
1973	812 (12)	125.7 (100.0/12)	121.8 (100.0/12)	-8.16 (100.0/12)	-8.82 (100.0/12)					10.3 (12)	
1974	978 (12)	113.2 (100.0/12)	117.0 (100.0/12)	-8.93 (100.0/12)	-9.00 (100.0/12)					10.8 (12)	
1975	1025 (12)	171.4 (100.0/12)	353.5 (100.0/12)	-10.86 (100.0/12)	-11.07 (100.0/12)					10.0 (12)	
1976	800 (12)	117.1 (100.0/12)	169.7 (100.0/12)	-10.77 (100.0/12)	-9.87 (100.0/12)					9.6 (12)	
1977	1386 (12)	73.6 (100.0/12)	71.1 (100.0/12)	-10.26 (100.0/12)	-10.07 (100.0/12)					10.2 (12)	
1978	986 (12)	85.9 (100.0/12)	84.0 (100.0/12)	-10.28 (100.0/12)	-10.45 (100.0/12)					9.6 (12)	
1979	1080 (12)	58.7 (100.0/12)	64.0 (100.0/12)	-10.05 (100.0/12)	-9.27 (100.0/12)					9.7 (12)	
1980	1159 (12)	33.0 (100.0/12)	34.2 (100.0/12)	-10.59 (100.0/12)	-10.17 (100.0/12)					9.8 (12)	
1981	1096 (12)	38.7 (100.0/12)	45.0 (100.0/12)	-10.47 (93.8/11)	-10.85 (93.8/11)					10.3 (12)	
1982	1075 (12)	29.2 (100.0/12)	33.2 (100.0/12)	-10.77 (85.9/11)	-10.59 (85.9/11)					11.1 (12)	
1983	1053 (12)	23.5 (100.0/12)	23.1 (100.0/12)	-9.61 (91.3/11)	-9.32 (91.3/11)					10.8 (12)	
1984	980 (12)	22.2 (100.0/12)	25.2 (100.0/12)	-9.09 (94.3/11)	-9.44 (94.3/11)					10.0 (12)	
1985	1109 (12)	21.7 (99.5/11)	23.7 (99.5/11)	-9.89 (99.5/11)	-9.11 (99.5/11)					9.8 (12)	
1986	968 (12)	22.0 (100.0/12)	22.7 (100.0/12)	-8.90 (100.0/12)	-8.69 (100.0/12)					10.1 (12)	
1987	1090 (12)	23.6 (100.0/12)	23.7 (100.0/12)	-9.06 (100.0/12)	-9.52 (100.0/12)					10.0 (12)	
Long Term											
Means 1008				-9.69	-9.62					10.2	
σ				0.83	0.81					0.4	

MONTHLY MEANS

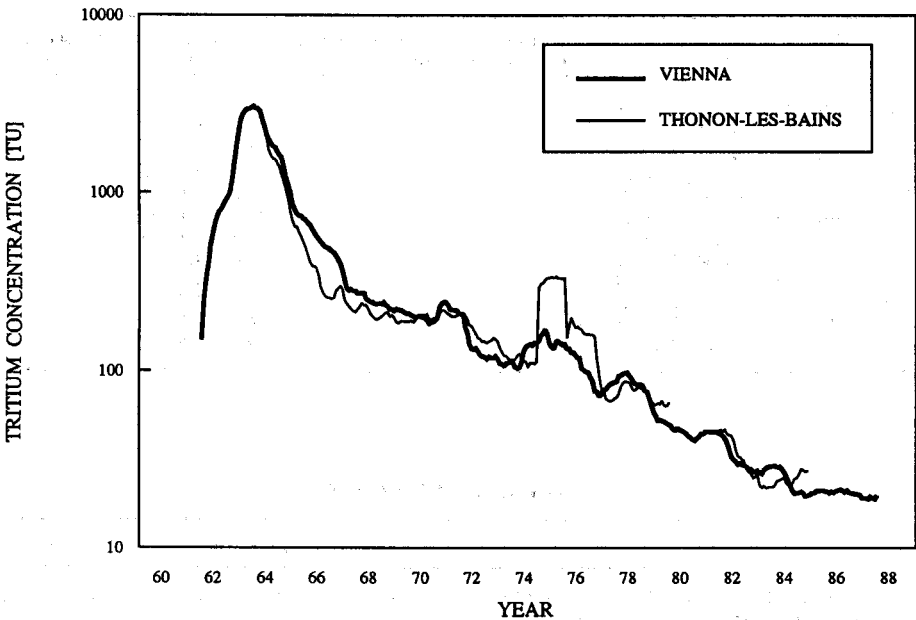
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	71	28	-12.22	2.09	26							1.3	1.8	28			
Feb	67	28	-12.26	2.51	27							2.7	2.2	28			
Mar	81	28	-10.81	2.45	25							5.5	1.6	28			
Apr	74	28	-10.43	2.41	27							9.1	1.2	28			
May	96	28	-7.96	2.02	26							13.6	1.8	28			
Jun	107	28	-7.40	1.83	27							16.8	1.1	28			
Jul	73	28	-5.96	2.39	28							19.7	1.3	28			
Aug	95	28	-6.34	1.71	28							19.0	1.2	28			
Sep	82	28	-7.19	1.83	27							15.6	1.5	28			
Oct	81	28	-9.38	3.23	25							11.1	1.5	28			
Nov	92	28	-11.85	2.42	28							6.0	1.2	28			
Dec	75	28	-12.23	2.23	27							2.7	1.5	28			

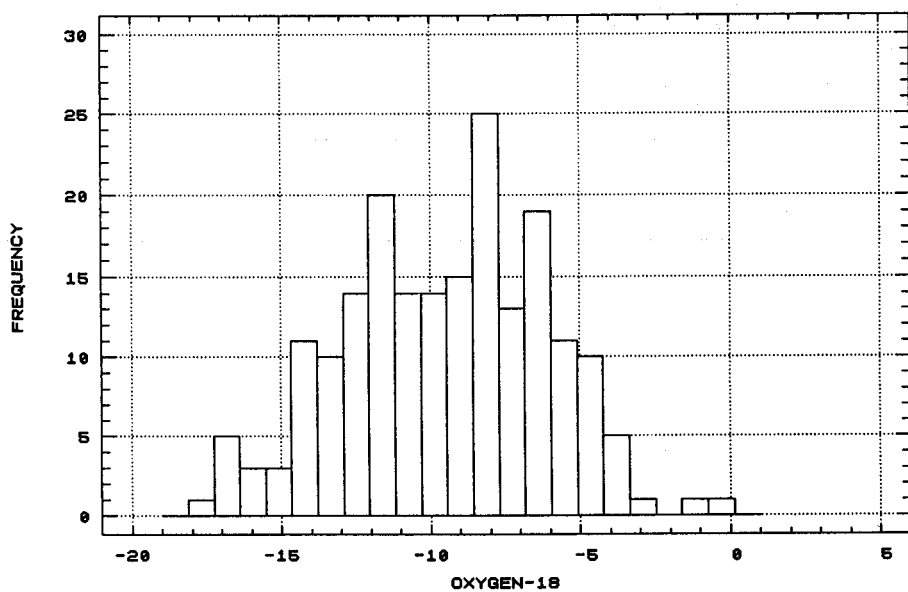
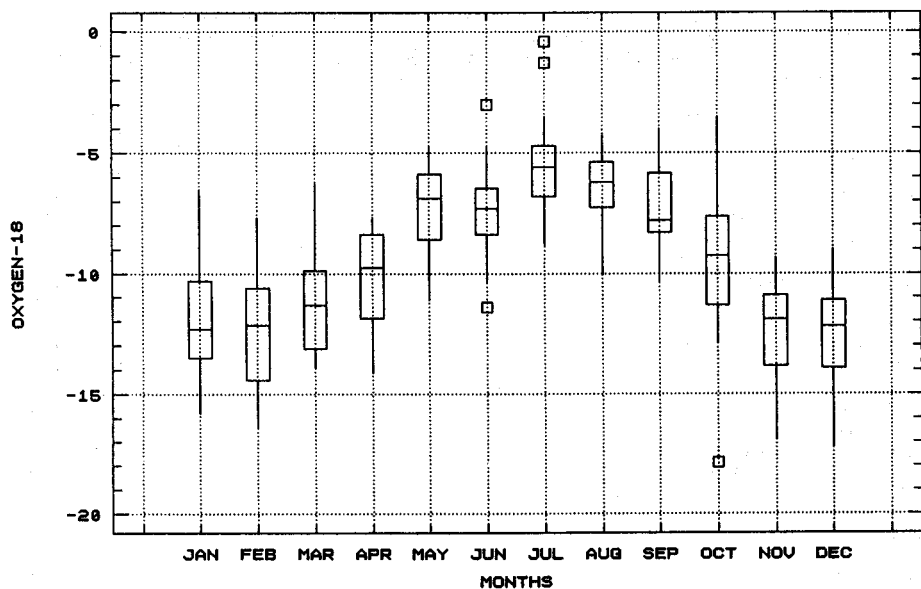
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	276	0.93	0.02	0.12	0.06	0.870	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	25	0.93	0.03	0.11	0.09	0.972	0.09
4) Monthly Oxyg-18 vs. Monthly Prec	285	-0.00	0.01	-9.35	0.47	0.001	3.28
6) Monthly Oxyg-18 vs. Monthly Temp	285	0.37	0.02	-13.42	0.30	0.556	2.19

0748501 THONON-LES-BAINS, FRANCE

Lat. 46.22N Long. 6.28E Alt. 385 m a.s.l.





0765000 MARSEILLE (MARIGNANE), FRANCE

Lat. 43.45N Long. 5.22E Alt. 8 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1965	472	467.5	487.4							14.3	
	(12)		(24.5/3)							(12)	
1966	548	278.0	253.0							14.6	
	(12)		(6.9/2)							(12)	
1968	674	113.2	134.5							14.6	12.2
	(12)		(78.1/8)							(12)	(12)
1969	624	114.2	118.1							14.1	12.1
	(12)		(83.0/10)							(12)	(12)
1970	498	100.7	110.9							14.6	12.2
	(12)		(97.5/9)							(12)	(12)
1973	725	78.2	91.1							14.4	12.0
	(12)		(66.3/10)							(12)	(12)
1974	624	98.2	107.5							14.5	11.7
	(12)		(96.3/9)							(12)	(12)
1975	530	57.2	69.5							14.6	12.1
	(12)		(25.4/4)							(12)	(12)
1976	837	45.3	59.1							14.6	11.8
	(12)		(82.9/8)							(12)	(12)
1977	602	77.0	92.6							14.7	12.4
	(12)		(99.6/11)							(12)	(12)
1978	627	50.4	55.2							14.3	12.7
	(12)		(60.6/7)							(12)	(12)
1979	615	56.0	72.0							14.7	11.6
	(12)		(99.8/11)							(12)	(12)
1980	349	43.5	43.6							14.1	10.7
	(12)		(100.0/11)							(12)	(12)
1981	445	41.7	46.7								
	(11)		(78.3/10)								
1982	344	27.1	28.9								
	(10)		(60.7/10)								
1983	525	51.4	41.7								
	(10)		(92.6/10)								
1984	589	24.9	30.0								
	(11)		(100.0/11)								
Long Term											
Means 566											14.5 11.9
σ											0.2 0.5

MONTHLY MEANS

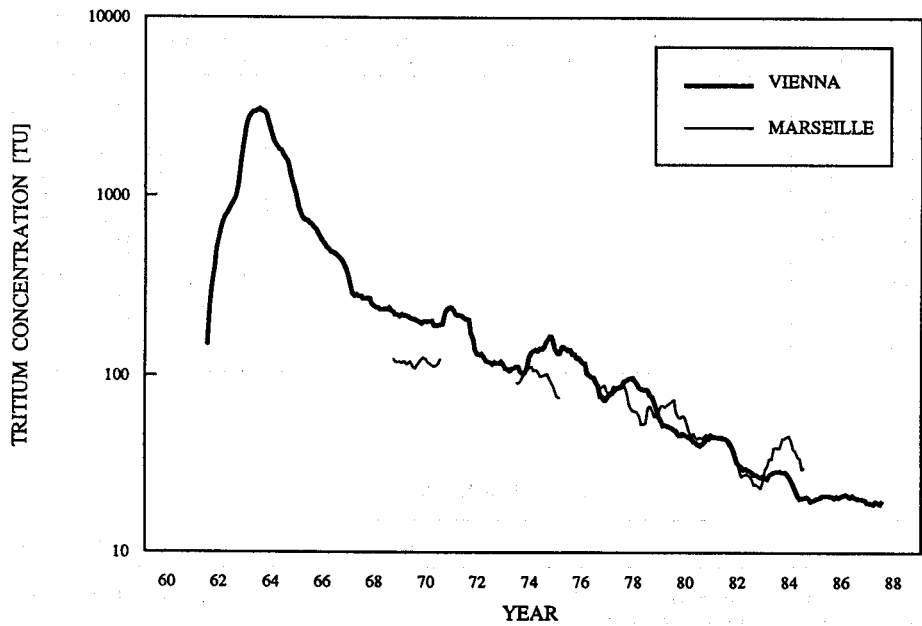
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	47	16										6.8	1.1	13	7.7	1.0	11
Feb	53	17										7.9	1.9	13	8.0	0.9	11
Mar	49	17										10.0	1.0	13	8.4	0.8	11
Apr	36	17										12.7	0.9	13	9.1	1.0	11
May	44	17										17.0	0.7	13	12.3	0.8	11
Jun	31	17										20.7	1.2	13	15.5	1.4	11
Jul	18	14										23.1	1.0	13	17.0	1.4	11
Aug	36	17										22.8	1.0	13	17.4	1.3	11
Sep	44	17										19.7	1.0	13	16.0	1.2	11
Oct	91	17										15.4	2.0	13	12.7	2.0	11
Nov	70	16										10.2	1.0	13	10.2	2.0	11
Dec	60	16										6.7	1.5	13	8.4	2.8	11

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	137	0.63	0.05	0.62	0.09	0.554	0.22
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	10	0.48	0.09	0.89	0.17	0.788	0.09

0765000 MARSEILLE (MARIGNANE), FRANCE

Lat. 43.45N Long. 5.22E Alt. 8 m a.s.l.



1. The first part of the paper is devoted to the study of the

properties of the function $f(x)$ defined by

$$f(x) = \sum_{n=0}^{\infty} \frac{a_n}{n!} x^n$$

where a_n are the coefficients of the power series. It is shown that the function $f(x)$ is analytic in the whole plane and that it satisfies the differential equation

$$f'(x) = f(x) + g(x)$$

$$g(x) = \sum_{n=0}^{\infty} \frac{b_n}{n!} x^n$$

$$b_n = \frac{1}{n!} \int_0^{\infty} t^n e^{-t} g(t) dt$$

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$$b_n = \frac{1}{n!} \int_0^{\infty} t^n e^{-t} g(t) dt$$

0776100 AJACCIO (CAMPO DEL ORO), FRANCE

Lat. 41.92N Long. 8.80E Alt. 5 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1965	647 (12)	154.0 (14.6/1)	154.0							14.5 (12)	
1966	814 (12)	65.0 (7.7/1)	65.0							15.0 (12)	
1968	608 (12)	131.0 (87.5/11)	147.0								
1969	692 (12)	116.0 (99.2/10)	126.8							14.7 (12)	13.6 (12)
1970	433 (12)	68.3 (99.7/10)	99.5								
1972	656 (12)	72.8 (99.8/10)	72.0							14.5 (12)	13.3 (12)
1973	418 (12)	65.9 (99.7/11)	79.2							14.7 (12)	13.6 (12)
1974	523 (12)	116.2 (98.2/9)	111.4							14.3 (12)	13.1 (12)
1975	718 (12)	81.0 (61.8/5)	99.6							14.5 (12)	14.6 (12)
1976	835 (12)	127.8 (48.1/4)	125.0							14.4 (12)	14.5 (12)
1977	719 (12)	57.3 (68.7/9)	63.5							14.9 (12)	14.2 (12)
1978	720 (12)	41.7 (96.3/10)	38.8							14.5 (12)	14.4 (12)
1979	747 (12)	86.9 (99.5/9)	79.2							14.7 (12)	14.0 (12)
1980	820 (12)	31.0 (8.4/1)	31.0							13.8 (12)	13.2 (12)
Long Term Means 668										14.5	13.9
σ										0.3	0.5

MONTHLY MEANS

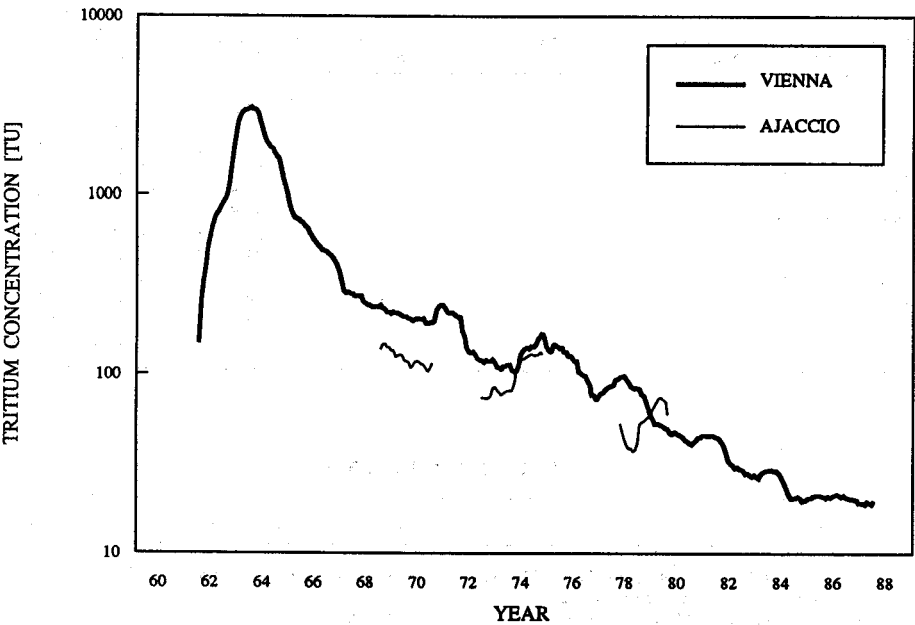
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	80	14										8.3	0.6	12	9.2	0.5	10
Feb	77	14										9.1	1.3	12	9.5	1.0	10
Mar	67	14										10.2	0.8	12	10.3	0.8	10
Apr	56	14										11.9	0.9	13	11.3	0.8	11
May	38	14										15.6	0.7	12	14.2	0.7	10
Jun	14	14										19.5	0.9	12	17.5	1.0	10
Jul	12	14										21.7	0.9	12	19.9	1.5	10
Aug	26	14										21.9	0.7	12	19.9	1.4	10
Sep	57	14										19.4	0.9	12	17.5	1.4	10
Oct	91	14										16.0	1.5	12	14.5	1.6	10
Nov	84	14										11.7	1.0	12	11.7	1.3	10
Dec	68	14										8.8	0.8	12	10.2	1.9	10

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	99	0.49	0.08	0.89	0.17	0.275	0.23
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	8	0.39	0.28	1.09	0.60	0.243	0.16

0776100 AJACCIO (CAMPO DEL ORO), FRANCE

Lat. 41.92N Long. 8.80E Alt. 5 m a.s.l.



0818001 BARCELONA, SPAIN

Lat. 41.38N Long. 2.12E Alt. 65 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1971	721 (12)	98.1	130.1 (100.0/12)								
1972	661 (12)	57.9	58.4 (95.0/10)								
1973	356 (12)	57.1	51.4 (72.7/8)								
1974	365 (12)	57.9	51.9 (89.5/9)								
1975	495 (12)	56.7	55.1 (97.5/9)								
1976	491 (12)	35.9	38.9 (66.8/7)							16.1 (12)	13.0 (12)
1977	601 (12)	45.5	35.5 (63.7/6)							16.1 (12)	13.4 (12)
1978	415 (12)	42.1	48.2 (93.2/9)							16.0 (12)	12.7 (12)
1979	567 (12)	27.7	29.4 (99.1/11)							16.3 (12)	12.8 (12)
1980	533 (6)	29.0	26.8 (100.0/11)								
1981		32.5	32.9 (63.2/8)								
1984	457 (12)	12.5	11.4 (99.1/10)	-6.04 (99.5/11)	-5.99						
1985	445 (12)	23.6	20.6 (67.8/9)	-5.03 (99.7/11)	-3.94	-25.1 (91.6/8)	-17.7	15.6 (91.6/8)	14.3		
1986	630 (12)	18.2	17.6 (35.8/5)	-7.05 (86.1/11)	-5.75	-48.0 (86.1/11)	-37.6	8.5 (86.1/11)	8.5	16.2 (12)	
1987	800 (10)	21.9	21.4 (38.6/2)	-9.10 (38.6/2)	-8.85	-58.3 (38.6/2)	-56.4	14.5 (38.6/2)	14.4		
Long Term Means 520 σ				-6.11 1.01	-5.23 1.12	-38.2 16.3	-27.7 14.0	11.6 5.1	11.4 4.0	16.1 0.1	13.0 0.3

MONTHLY MEANS

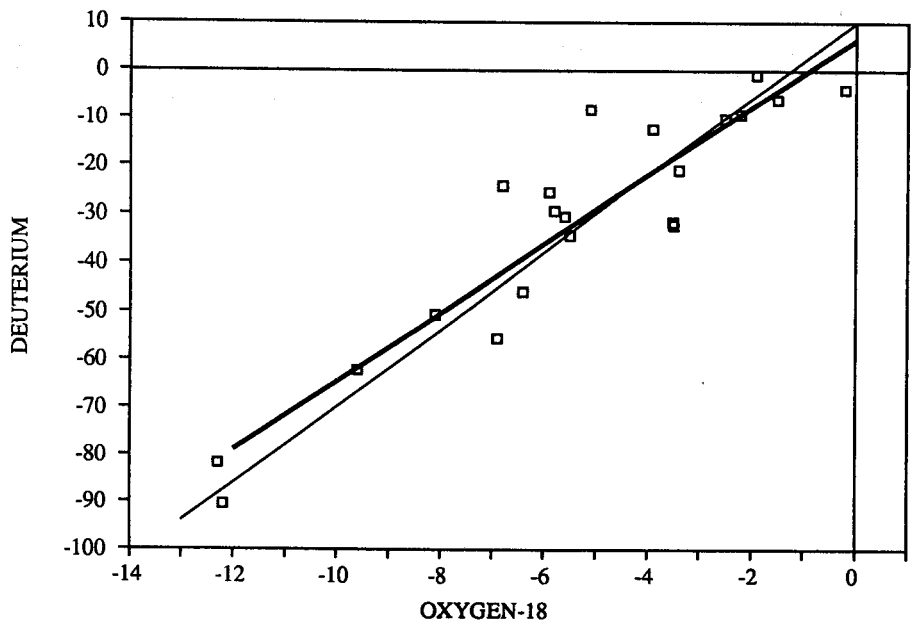
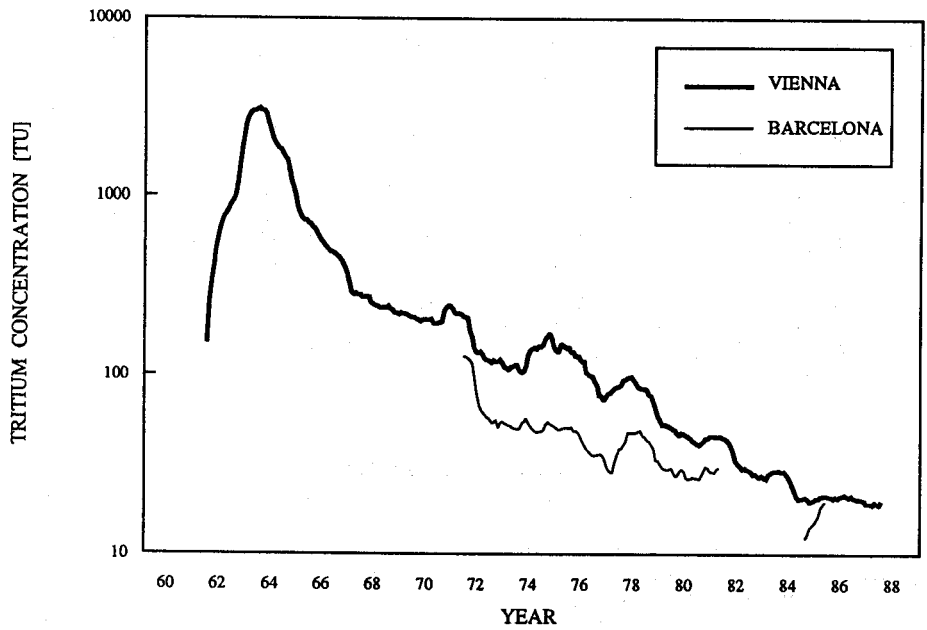
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	37	14	-7.17	4.46	4	-70.6	35.3	2	10.6	6.2	2	9.5	0.9	7	6.9	1.7	7
Feb	24	14	-7.55	2.62	4	-58.8	5.9	2	7.1	13.1	2	10.6	1.3	8	8.2	1.2	7
Mar	31	14	-5.07	1.56	3	-12.4		1	18.8		1	12.1	0.8	7	8.4	1.8	7
Apr	43	14	-3.83	2.05	3	-20.8	20.4	2	1.9	11.2	2	13.4	0.9	8	8.7	1.4	7
May	69	14	-5.44	2.13	3	-33.1	2.3	2	2.9	11.6	2	16.4	1.3	8	11.7	2.6	6
Jun	34	14	-2.73	3.74	3	-5.0	1.9	2	1.8	7.2	2	20.5	1.4	8	14.9	2.8	6
Jul	25	13	-4.45	3.45	2	-28.0	31.5	2	7.5	3.9	2	23.6	1.0	8	16.9	2.9	6
Aug	50	13	-5.25	0.26	2	-8.2		1	32.6		1	23.4	0.8	8	17.6	2.9	7
Sep	67	13	-3.20	2.30	2	-0.9		1	14.3		1	21.7	1.4	8	15.6	2.6	6
Oct	84	13	-5.00	1.65	3	-27.5	3.4	2	19.2	4.1	2	17.7	0.8	8	13.5	2.5	6
Nov	35	12	-4.87	1.43	3	-25.8	8.4	2	10.2	7.0	2	12.9	1.2	7	9.6	0.9	6
Dec	50	12	-8.17	4.10	3	-53.0	50.7	2	23.4	11.8	2	10.9	0.6	7	9.0	1.6	5

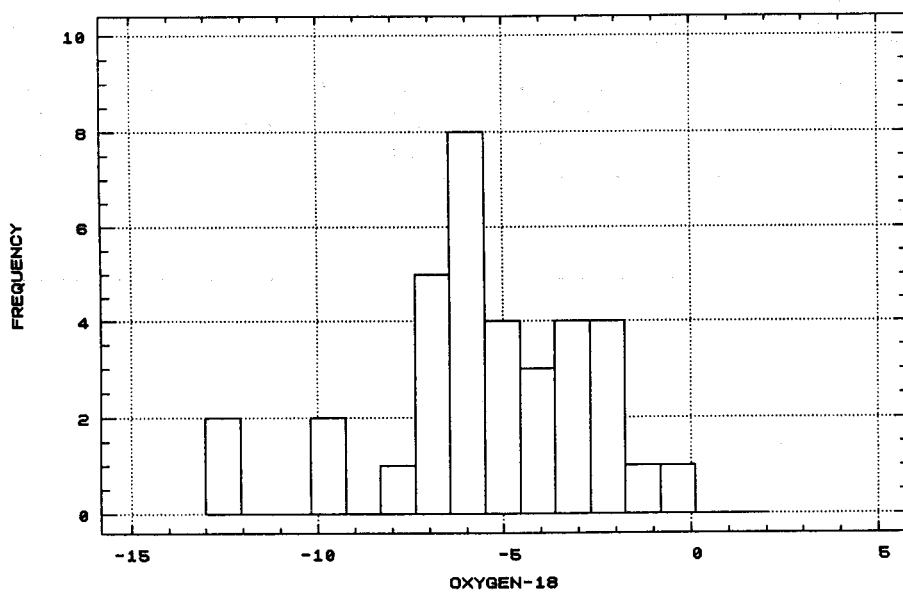
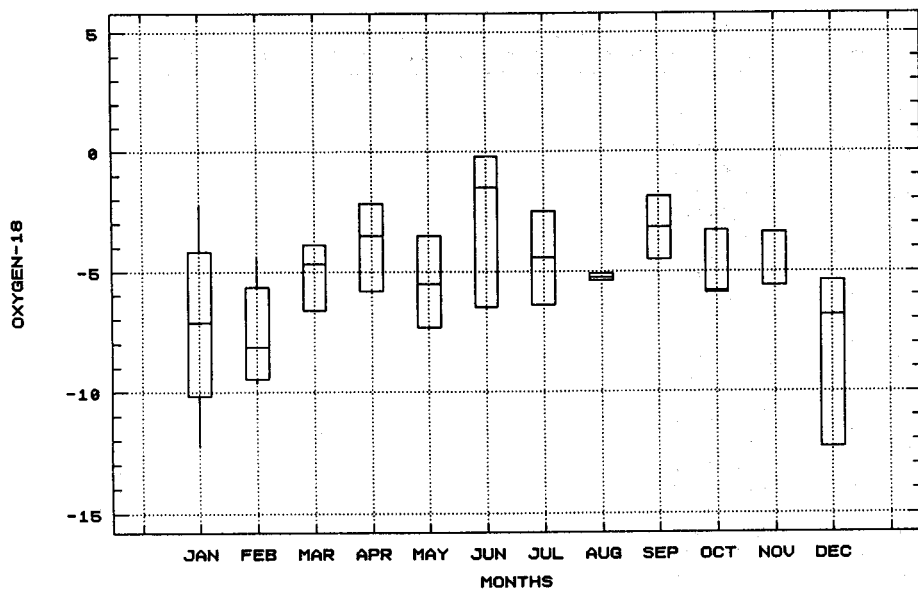
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	120	0.67	0.04	0.34	0.08	0.655	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	7	0.69	0.07	0.29	0.15	0.948	0.05
3) Monthly Deut vs. Monthly Precipitation	21	-0.31	0.11	-15.02	7.81	0.278	21.79
4) Monthly Oxyg-18 vs. Monthly Prec	35	-0.03	0.01	-4.19	0.62	0.181	2.49
5) Monthly Deut vs. Monthly Temperature	21	2.78	0.80	-74.99	13.15	0.390	20.03
6) Monthly Oxyg-18 vs. Monthly Temp	33	0.28	0.08	-9.78	1.29	0.285	2.34
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	21	7.11	0.67	6.45	4.20	0.855	9.78
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	21	7.69	0.64	9.57	4.50	0.855	9.78

0818001 BARCELONA, SPAIN

Lat. 41.38N Long. 2.12E Alt. 65 m a.s.l.





0822201 MADRID, SPAIN

Lat. 40.41N Long. 3.68W Alt. 655 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1970	308 (12)	104.7	135.3 (22.0/4)								
1971	508 (12)	153.2	134.5 (100.0/12)								
1972	742 (12)	51.4	61.2 (97.9/10)								
1973	355 (12)	64.8	78.3 (100.0/11)								
1974	301 (12)	67.1	64.1 (96.0/9)								
1975	437 (12)	38.7	38.8 (33.4/4)								
1976	607 (12)	31.2	39.9 (68.3/7)							13.9 (12)	9.7 (12)
1977	476 (12)	39.5	45.8 (72.8/10)							13.9 (12)	9.9 (12)
1978	549 (12)	44.7	42.3 (100.0/10)							14.3 (12)	9.6 (12)
1979	499 (12)	21.9	23.4 (98.7/10)							14.4 (12)	10.1 (12)
1980	368 (12)	33.5	30.5 (62.2/4)								
1981		41.5	39.4 (49.3/6)								
1982		14.5	15.6 (73.3/8)								
1983		12.3	12.4 (20.1/2)								
1984	493 (12)	18.7	16.4 (32.2/4)							13.7 (12)	6.7 (12)
1985	338 (12)	11.5	13.5 (66.5/7)							15.0 (12)	6.9 (12)
1986	387 (12)	37.6	26.0 (75.4/10)	-6.03 (22.7/3)	-6.64	-48.7 (22.7/3)	-52.3	-0.5 (22.7/3)	0.8	14.5 (12)	6.9 (12)
1987	544 (12)	10.4	11.6 (65.8/9)	-8.09 (25.1/2)	-8.15	-54.1 (25.1/2)	-54.2	10.7 (25.1/2)	11.0	15.2 (12)	7.2 (12)
Long Term											
Means 461											14.4 0.5
σ											8.4 1.5

MONTHLY MEANS

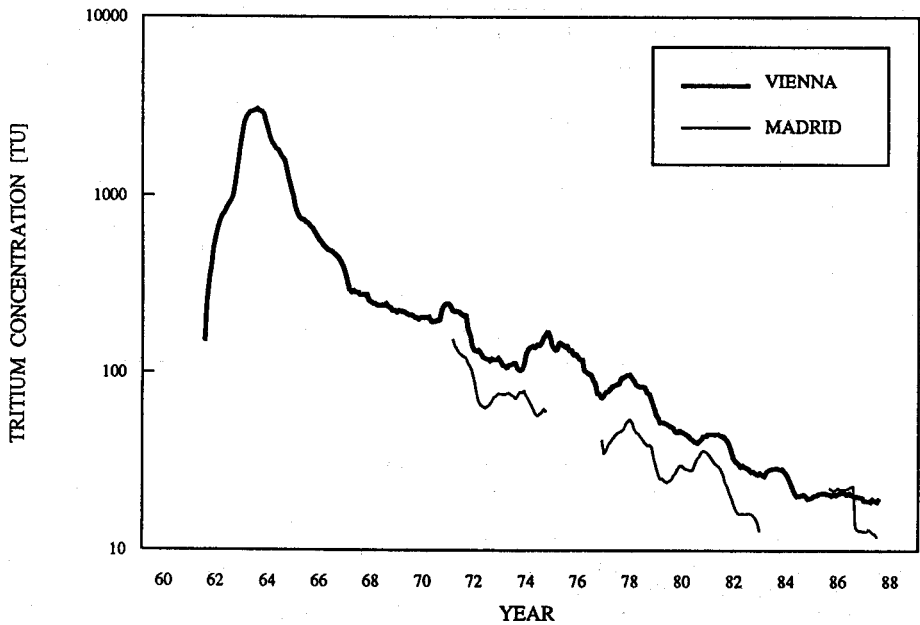
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	56	15										5.6	1.1	8	5.9	1.6	8
Feb	44	15	-4.80		1	-40.9		1	-2.5		1	7.6	1.0	8	6.6	1.7	8
Mar	33	15										9.9	1.4	8	6.1	1.5	8
Apr	46	15										12.2	2.0	8	7.0	1.1	8
May	49	15	-4.30		1	-36.5		1	-2.1		1	15.5	2.5	8	8.7	1.7	8
Jun	28	15										20.6	2.0	8	10.2	2.0	8
Jul	16	15										24.2	1.8	8	10.7	2.4	8
Aug	10	15										23.7	1.5	8	11.0	1.7	8
Sep	28	15										21.3	2.1	8	10.3	2.4	8
Oct	47	15	-8.60		1	-55.4		1	13.4		1	14.5	1.7	8	8.6	2.6	8
Nov	51	15										9.2	0.8	8	7.1	1.3	8
Dec	55	15	-9.25	2.74	2	-66.3	23.4	2	7.7	1.5	2	7.4	0.9	8	7.6	1.3	8

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	134	0.86	0.05	0.01	0.09	0.686	0.22
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	7	0.56	0.22	0.63	0.45	0.551	0.19
3) Monthly Deut vs. Monthly Precipitation	5	0.08	0.34	-56.66	17.45	0.018	19.20
4) Monthly Oxyg-18 vs. Monthly Prec	5	-0.00	0.05	-7.12	2.84	0.001	3.13
5) Monthly Deut vs. Monthly Temperature	5	1.55	1.54	-69.35	17.79	0.254	16.74
6) Monthly Oxyg-18 vs. Monthly Temp	5	0.21	0.26	-9.45	3.01	0.180	2.83
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	5	5.99	0.92	-9.71	7.05	0.933	5.00
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	5	6.20	0.71	-8.19	5.73	0.933	5.00

0822201 MADRID, SPAIN

Lat. 40.41N Long. 3.68W Alt. 655 m a.s.l.



the first of these is the fact that the system is not a simple one, and that the results are not always the same. The second is that the system is not a simple one, and that the results are not always the same.

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0849500 GIBRALTAR, UK

Lat. 36.15N Long. 5.35W Alt. 5 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	1003 (12)			-5.80 (72.7/3)	-5.07	-30.5 (72.7/3)	-23.0	15.9 (72.7/3)	17.6	18.7 (12)	16.0 (12)
1962	1049 (12)	168.6 (62.7/3)	173.7	-5.03 (99.8/9)	-4.65	-28.4 (99.8/9)	-24.7	12.0 (99.8/9)	12.6	18.6 (12)	15.8 (12)
1963	1315 (12)	504.3 (58.4/6)	659.0	-4.01 (95.5/8)	-3.19	-25.4 (95.5/8)	-20.2	6.7 (95.5/8)	5.3	18.4 (12)	16.0 (12)
1964	583 (12)	268.2 (39.2/5)	412.0	-4.18 (100.0/10)	-3.73	-23.5 (100.0/10)	-22.8	10.1 (100.0/10)	7.1	18.4 (12)	16.6 (12)
1965	690 (12)	212.0 (47.3/4)	183.3	-3.56 (97.8/8)	-3.24	-20.6 (97.8/8)	-17.3	7.9 (97.8/8)	8.7	17.8 (12)	15.2 (12)
1966	527 (12)	115.0 (84.4/7)	116.3	-3.82 (50.2/3)	-2.68	-20.8 (50.2/3)	-14.6	9.8 (50.2/3)	6.9	18.2 (12)	15.3 (12)
1967	651 (12)	95.1 (97.5/8)	114.3							17.8 (12)	15.3 (12)
1968	663 (12)	65.9 (86.1/9)	94.3	-2.05 (7.2/1)	-2.05	-5.7 (7.2/1)	-5.7	10.7 (7.2/1)	10.7	18.0 (12)	15.5 (12)
1969	1536 (12)	52.3 (99.9/10)	83.3							17.8 (12)	15.2 (12)
1970	1014 (12)	43.7 (99.7/8)	62.3							17.9 (12)	15.1 (12)
1971	654 (12)	70.2 (81.3/6)	73.2							17.6 (12)	15.4 (12)
1972	988 (12)	29.3 (98.8/9)	32.3	-6.46 (9.0/1)	-6.46	-39.6 (9.0/1)	-39.6	12.1 (9.0/1)	12.1	17.1 (12)	14.8 (12)
1973	489 (12)	28.2 (98.1/6)	30.9	-4.79 (94.6/5)	-4.21	-26.3 (94.6/5)	-22.8	12.1 (94.6/5)	10.9	17.8 (12)	15.2 (12)
1974	405 (12)	30.5 (98.2/7)	34.8	-5.61 (97.7/7)	-4.06	-29.4 (97.7/7)	-20.6	15.6 (97.7/7)	12.0	17.9 (12)	14.8 (12)
1975	827 (12)	20.8 (83.1/6)	25.9	-5.82 (83.1/6)	-5.48	-33.5 (83.1/6)	-32.5	13.2 (83.1/6)	11.4	17.9 (12)	15.2 (12)
1976	817 (12)	22.3 (96.4/8)	25.0	-5.69 (100.0/10)	-4.93	-31.6 (100.0/10)	-27.4	14.0 (100.0/10)	12.1	17.8 (12)	15.6 (12)
1977	735 (12)	17.9 (99.8/8)	23.9	-5.74 (99.8/8)	-5.16	-30.1 (99.8/8)	-27.1	15.9 (99.8/8)	14.2	18.0 (12)	15.1 (12)
1978	615 (12)	16.5 (90.8/7)	17.5	-4.79 (90.8/7)	-4.65	-22.9 (90.8/7)	-22.5	15.4 (90.8/7)	14.8	18.2 (12)	15.7 (12)
1979	761 (12)	28.9 (98.9/7)	22.0	-3.89 (96.5/7)	-3.26	-23.7 (99.7/8)	-20.2	7.3 (96.5/7)	5.4	18.4 (12)	15.7 (12)
1980	671 (12)	15.5 (79.4/7)	16.0	-6.00 (82.7/8)	-4.82	-35.3 (61.6/7)	-26.4	11.0 (61.6/7)	10.1	18.4 (12)	15.5 (12)
1981	357 (12)	21.7 (96.6/6)	16.2	-4.04 (97.1/7)	-3.06	-21.2 (96.6/6)	-14.7	11.3 (96.6/6)	12.0	18.6 (12)	15.4 (12)
1982	558 (12)	12.1 (98.2/9)	13.5	-4.08 (91.2/8)	-3.27	-23.5 (83.5/6)	-22.0	11.9 (76.5/5)	10.7	18.3 (12)	14.8 (12)
1983	606 (12)	9.5 (77.5/5)	11.6	-4.27 (61.0/4)	-3.91	-23.3 (77.5/5)	-19.4	9.9 (61.0/4)	11.8	18.9 (12)	15.3 (12)
1984	570 (12)	11.7 (82.4/5)	15.8	-4.85 (95.0/7)	-4.26	-19.9 (95.0/7)	-18.7	18.9 (95.0/7)	15.5	15.3 (12)	15.3 (12)
1985	568 (12)	7.4 (98.4/6)	8.4	-4.02 (83.4/5)	-4.03	-26.1 (83.4/5)	-23.5	6.1 (83.4/5)	8.8	18.6 (12)	15.9 (12)
1986	426 (12)	232.6 (58.4/5)	211.2	-5.13 (83.5/6)	-4.91	-30.6 (83.5/6)	-29.7	10.5 (83.5/6)	9.6	18.6 (12)	15.7 (12)
1987	1099 (12)	37.2 (96.8/7)	37.2	-4.08 (96.8/7)	-4.25	-20.0 (85.1/6)	-21.3	12.0 (85.1/6)	12.3	18.5 (12)	15.7 (12)
Long Term											
Means 747				-4.70	-4.18	-25.7	-22.6	11.5	10.8	18.2	15.5
σ				0.79	0.75	4.2	4.4	3.6	2.9	0.4	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	119	27	-4.51	1.22	17	-25.8	8.8	17	10.3	4.9	17	13.3	0.8	27	11.6	0.9	27
Feb	105	27	-4.41	1.47	16	-23.8	9.7	15	12.1	5.6	14	13.7	0.7	27	11.7	0.9	27
Mar	79	27	-4.53	1.50	16	-25.0	8.3	15	10.2	7.1	15	14.9	1.1	27	12.1	0.9	27
Apr	62	27	-4.31	1.54	14	-24.7	11.0	14	9.8	6.2	14	16.2	0.9	27	13.0	0.8	27
May	37	27	-3.38	1.13	14	-19.1	6.5	13	9.3	4.1	13	18.5	1.0	27	14.8	1.0	27
Jun	10	27	-2.14	1.68	8	-13.3	10.5	7	4.6	6.5	7	21.1	0.9	27	17.3	1.1	27
Jul	0	27										23.6	0.6	27	19.8	1.6	27
Aug	6	27	-2.29	1.98	2	-10.5	11.0	2	7.8	4.7	2	24.1	0.7	27	20.9	1.3	27
Sep	14	27	-2.93	1.59	7	-13.3	10.4	7	10.1	3.5	7	22.6	1.1	26	20.1	2.1	27
Oct	58	27	-4.39	1.44	16	-23.6	11.5	15	11.7	4.9	15	19.4	1.0	27	17.2	1.7	27
Nov	129	27	-4.68	1.64	18	-24.8	10.0	18	12.6	5.8	18	16.1	1.0	27	14.1	1.3	27
Dec	128	27	-4.52	1.85	17	-23.6	12.1	19	13.0	4.7	17	13.9	1.0	27	12.1	1.3	27

CORRELATIONS

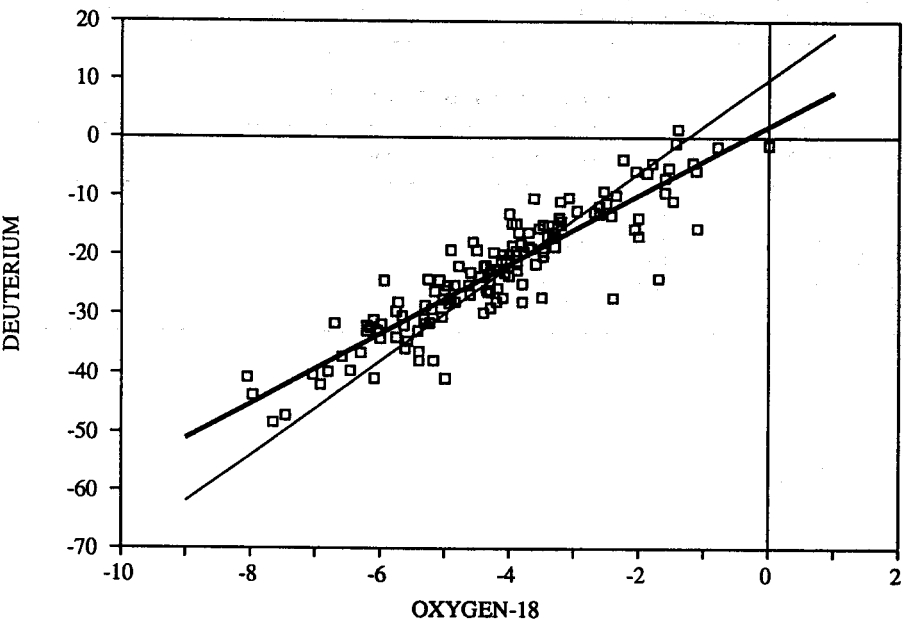
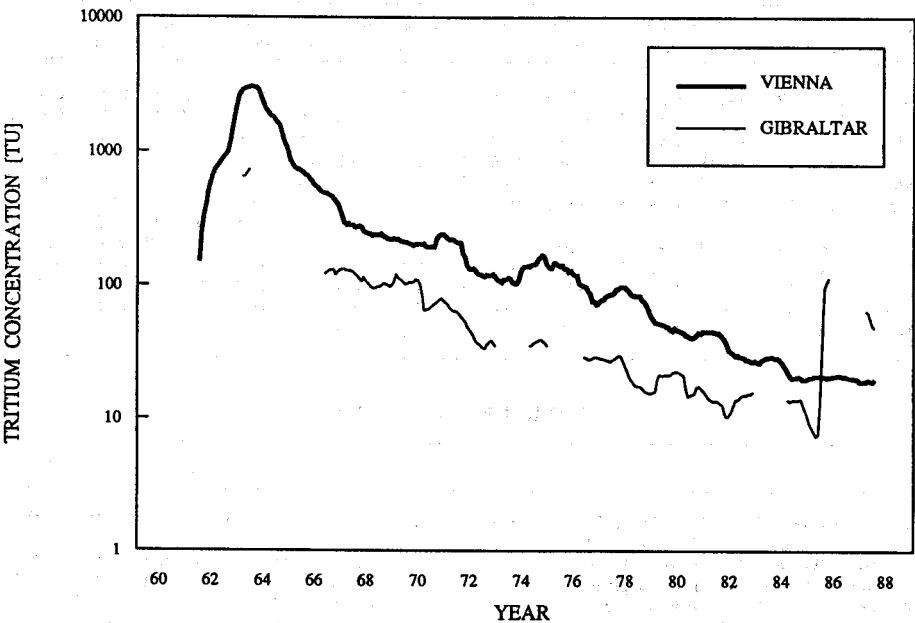
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	169	0.72	0.05	0.14	0.09	0.598	0.33
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	20	0.64	0.11	0.19	0.22	0.655	0.19
3) Monthly Deut vs. Monthly Precipitation	142	-0.04	0.01	-18.81	1.20	0.124	9.77
4) Monthly Oxyg-18 vs. Monthly Prec	145	-0.01	0.00	-3.49	0.18	0.147	1.50
5) Monthly Deut vs. Monthly Temperature	142	1.20	0.29	-42.30	4.75	0.112	9.84
6) Monthly Oxyg-18 vs. Monthly Temp	145	0.20	0.04	-7.51	0.73	0.133	1.51
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	139	5.88	0.24	1.90	1.06	0.817	4.46
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	139	6.50	0.24	4.51	1.12	0.817	4.46

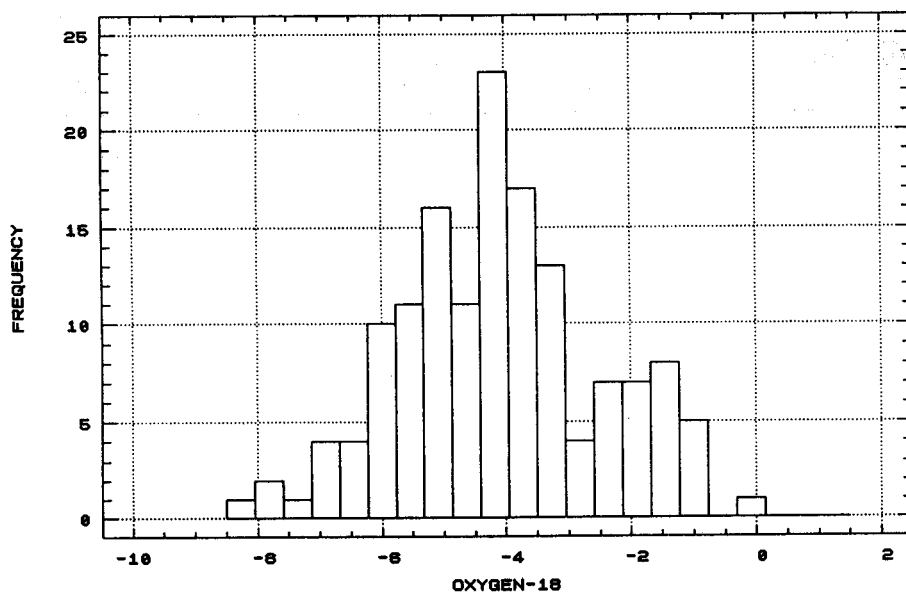
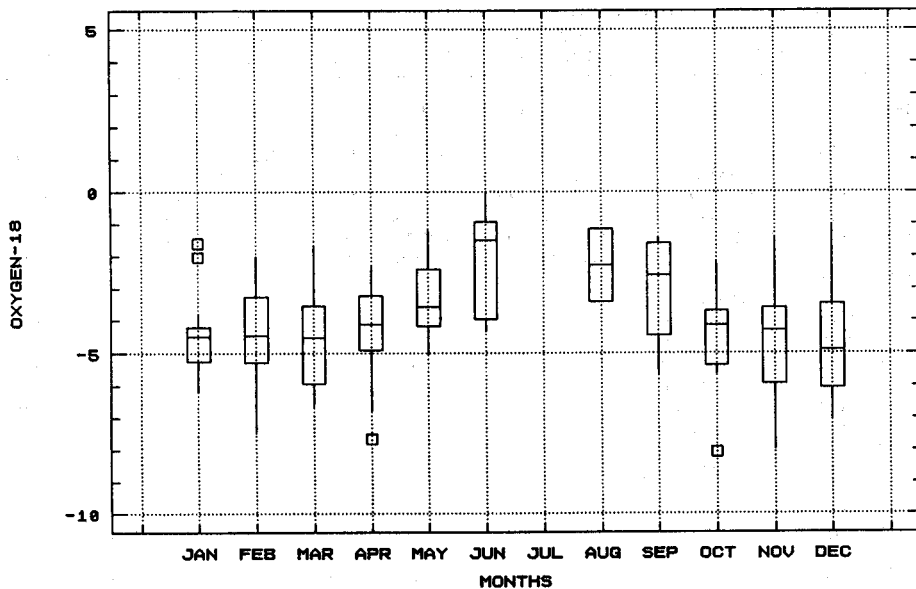
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
62 / 9	3.20	21.1		
63 / 3	-2.30	-38.5		
63 / 6	2.60	22.3		
84 / 10	-0.22	-32.1		
85 / 2	0.21	-21.8		

0849500 GIBRALTAR, UK

Lat. 36.15N Long. 5.35W Alt. 5 m a.s.l.





0851200 PONTA DELGADA, AZORES (ATLANTIC OC.), PORTUGAL

Lat. 37.77N Long. 25.65W Alt. 175 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	1000 (12)			-4.55 (94.0/11)	-4.01	-21.7 (94.0/11)	-17.8	14.8 (94.0/11)	14.4	17.1 (12)	15.7 (12)
1963	1299 (12)	317.0 (82.9/11)	477.7	-5.04 (100.0/12)	-4.03	-23.8 (100.0/12)	-17.3	16.6 (100.0/12)	15.0	17.2 (12)	15.6 (12)
1964	1057 (12)	277.7 (100.0/12)	265.8	-4.34 (100.0/12)	-3.68	-21.1 (100.0/12)	-17.4	13.7 (100.0/12)	12.1	17.1 (12)	16.0 (12)
1965	916 (12)	115.1 (93.9/11)	116.7	-4.80 (100.0/12)	-4.10	-22.2 (100.0/12)	-18.5	16.3 (100.0/12)	14.4	17.7 (12)	16.1 (12)
1966	1341 (12)	76.2 (100.0/12)	89.9							17.4 (12)	15.9 (12)
1967	1792 (12)	57.4 (100.0/12)	53.6							17.8 (12)	16.2 (12)
1968	1200 (12)	35.9 (100.0/12)	41.7			-29.0 (16.2/2)	-28.8			17.1 (12)	15.4 (12)
1969	1130 (12)	40.1 (96.6/11)	40.3							15.7 (12)	15.0 (12)
1970	1028 (12)	31.7 (100.0/12)	36.5							16.0 (12)	15.1 (12)
1971	1022 (12)									15.9 (12)	14.8 (12)
1972	898 (12)									15.9 (12)	15.1 (12)
1973	746 (12)			-2.25 (96.1/11)	-2.01	-8.4 (96.1/11)	-7.4	9.7 (96.1/11)	8.7	15.8 (12)	15.3 (12)
1974	1000 (12)			-3.45 (100.0/12)	-3.34	-18.3 (100.0/12)	-17.6	9.4 (100.0/12)	9.2	15.6 (12)	15.3 (12)
1975	389 (3)										
Long Term Means 1058				-4.20	-3.53	-19.9	-16.0	13.7	12.3	16.6	15.5
σ				1.05	0.79	5.6	4.2	3.2	2.7	0.8	0.4

MONTHLY MEANS

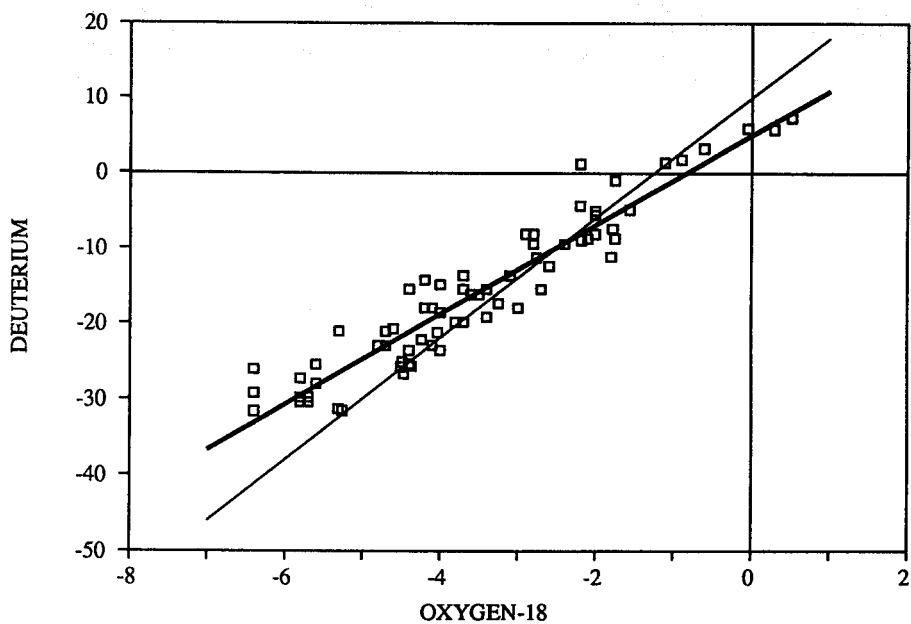
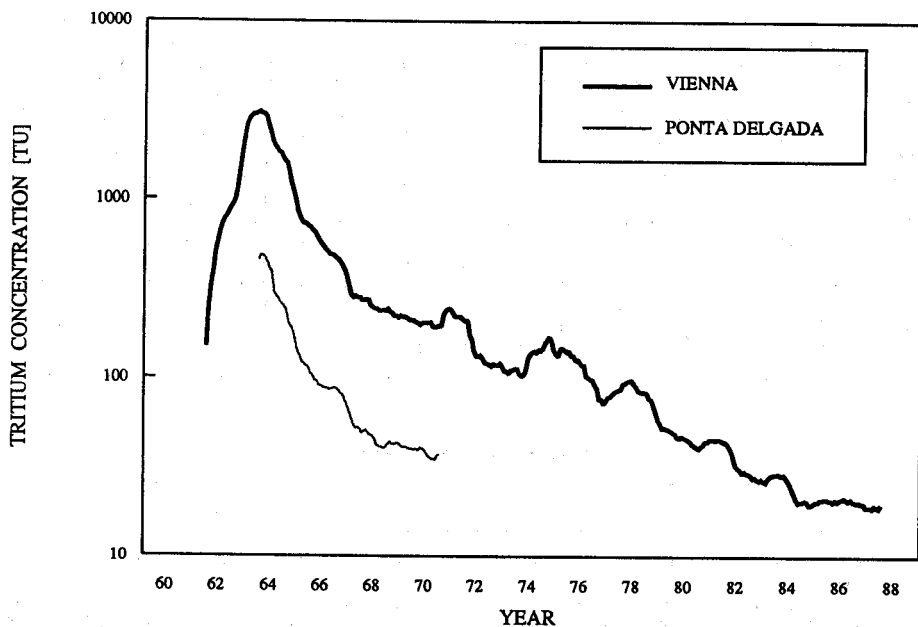
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	188	14	-5.13	1.64	5	-24.8	6.7	6	16.7	7.3	5	13.6	1.1	14	12.9	1.3	14
Feb	107	14	-3.84	1.75	6	-19.8	11.3	7	12.7	5.5	6	12.9	1.1	14	11.9	1.1	14
Mar	115	14	-4.26	1.35	6	-20.4	7.8	6	13.7	3.9	6	13.7	1.1	14	12.8	1.0	14
Apr	76	13	-3.74	1.18	6	-16.9	6.1	6	13.0	5.9	6	14.6	1.0	13	13.4	0.9	13
May	48	13	-3.12	1.09	6	-12.3	8.6	6	12.7	5.4	6	15.8	1.2	13	14.3	0.9	13
Jun	40	13	-3.63	1.19	6	-20.1	8.9	6	9.0	1.9	6	17.8	1.0	13	16.6	0.9	13
Jul	40	13	-1.58	1.76	6	-4.9	9.9	6	7.8	5.5	6	20.0	0.8	13	18.8	1.0	13
Aug	40	13	-2.16	1.02	6	-6.7	6.4	6	10.6	2.8	6	21.1	1.0	13	19.8	1.0	13
Sep	81	13	-2.40	1.32	6	-8.4	8.0	6	10.8	3.4	6	20.5	1.0	13	18.9	0.9	13
Oct	149	13	-4.39	0.67	5	-22.6	6.2	5	12.6	1.6	5	18.4	1.0	13	17.3	1.3	13
Nov	109	13	-4.11	1.37	6	-19.3	9.6	6	13.6	2.8	6	16.0	0.8	13	14.6	1.3	13
Dec	115	13	-4.49	1.87	6	-21.3	12.0	6	14.6	3.7	6	14.7	1.1	13	14.2	1.1	13

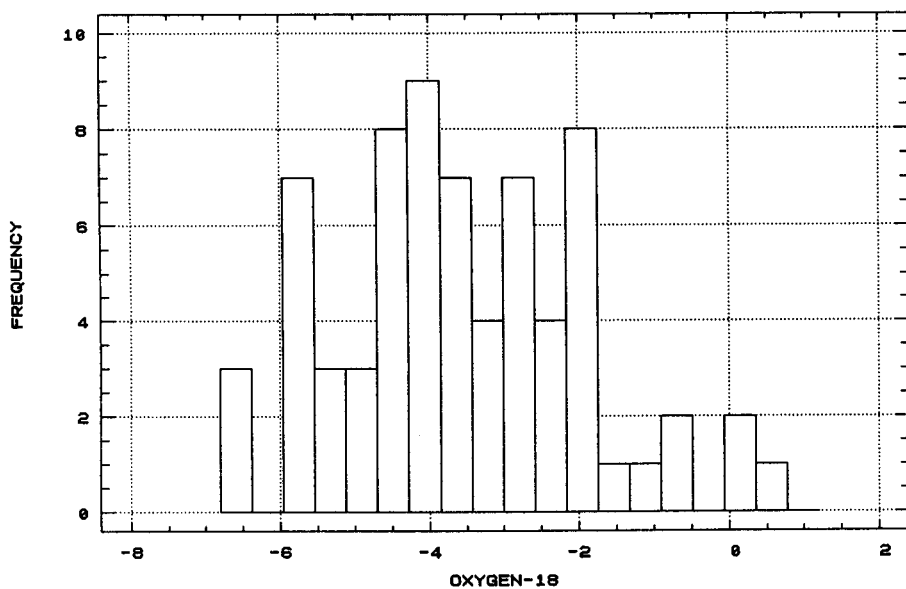
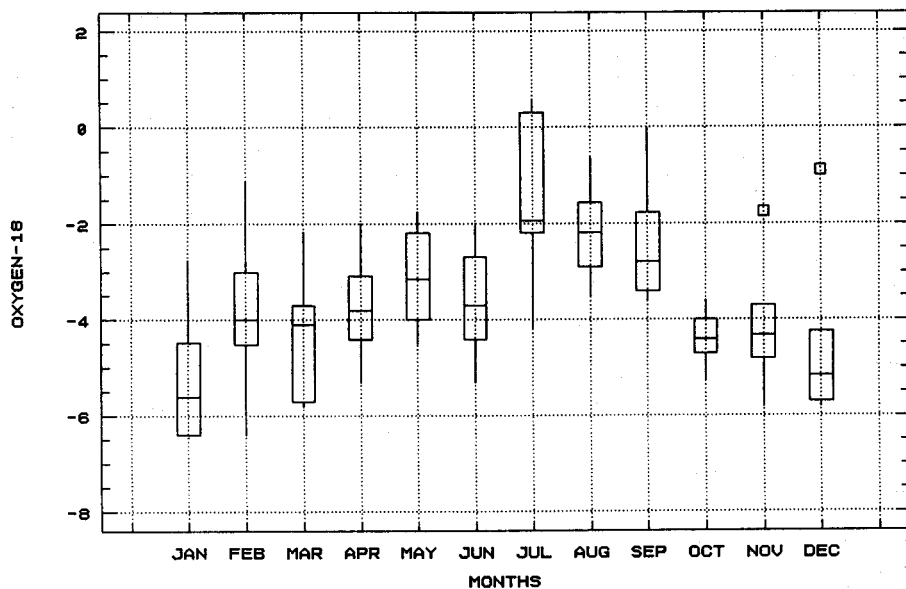
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	89	0.87	0.03	-0.39	0.09	0.876	0.15
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	8	0.84	0.05	-0.39	0.15	0.976	0.07
3) Monthly Deut vs. Monthly Precipitation	72	-0.09	0.02	-8.72	1.81	0.278	8.78
4) Monthly Oxyg-18 vs. Monthly Prec	70	-0.02	0.00	-2.25	0.28	0.323	1.35
5) Monthly Deut vs. Monthly Temperature	72	1.31	0.40	-38.36	6.72	0.136	9.61
6) Monthly Oxyg-18 vs. Monthly Temp	70	0.19	0.06	-6.79	1.09	0.119	1.54
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	70	5.94	0.24	4.96	0.94	0.899	3.27
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	70	6.27	0.24	6.12	1.01	0.899	3.27

0851200 PONTA DELGADA, AZORES (ATLANTIC OC.), PORTUGAL

Lat. 37.77N Long. 25.65W Alt. 175 m a.s.l.





0855400 FARO, PORTUGAL

Lat. 37.01N Long. 7.96W Alt. 9 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1978	494	10.9	11.2	-6.77	-6.77	-35.9	-35.9	18.3	18.3	18.4	15.7
	(12)		(35.4/2)		(15.3/1)		(15.3/1)		(15.3/1)	(12)	(12)
1979	507	10.8	12.4	-4.27	-3.44	-27.8	-21.5	6.4	6.1	17.1	12.7
	(12)		(91.5/8)		(99.8/9)		(99.8/9)		(99.8/9)	(12)	(12)
1980	384	11.4	11.6	-4.56	-4.36	-28.5	-25.8	8.1	9.1		
	(11)		(99.0/7)		(100.0/8)		(100.0/8)		(100.0/8)		
1981	191	15.4	15.2	-4.14	-3.79					17.6	14.1
	(12)		(94.2/7)		(94.2/7)					(12)	(12)
1982	275	9.0	9.7	-5.74	-4.28	-25.6	-18.3	14.7	10.3		
	(11)		(64.7/7)		(51.5/6)		(63.6/8)		(51.5/6)		
1983	583	15.0	15.0	-4.92	-4.63	-26.5	-21.9	12.7	13.6	17.2	13.9
	(12)		(0.1/1)		(96.9/5)		(98.7/6)		(96.9/5)	(12)	(12)
1984	185	6.6	6.5	-4.29	-4.18	-22.7	-22.4	11.7	11.0	17.1	13.6
	(12)		(91.8/7)		(98.3/8)		(98.3/8)		(98.3/8)	(12)	(12)
1985	413	6.2	10.9	-3.94	-3.35	-21.5	-17.9	10.1	9.0		
	(9)		(100.0/7)		(100.0/6)		(100.0/6)		(100.0/6)		
1986		4.7	4.9	-3.93	-3.74	-19.5	-18.7	11.1	9.7		
			(99.8/8)		(100.0/9)		(97.2/8)		(97.2/8)		
1987		5.1	6.4	-4.78	-3.93	-27.6	-23.7	10.7	7.9		
			(81.8/8)		(92.8/9)		(92.8/9)		(92.8/9)		
Long Term											
Means 365				-4.39	-3.93	-25.2	-21.7	10.0	9.5	17.5	14.0
σ				0.37	0.44	3.6	2.7	2.2	2.3	0.5	1.1

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	49	8	-4.79	2.02	8	-28.8	12.1	7	12.6	4.2	7	12.0	0.8	8	11.5	3.4	8
Feb	70	8	-4.73	1.03	9	-25.5	5.8	8	11.2	4.0	8	13.2	2.5	8	12.7	2.9	8
Mar	40	8	-4.26	1.67	7	-22.4	10.2	6	10.1	4.3	6	13.8	1.1	8	11.4	1.9	8
Apr	28	7	-3.57	0.93	7	-15.7	3.7	5	10.7	3.4	5	15.5	1.1	7	12.4	1.9	7
May	19	8	-2.39	2.04	6	-14.3	13.4	6	3.0	3.5	5	16.7	1.6	8	12.6	1.7	8
Jun	4	8	-2.97		1	-13.5		1	10.3		1	21.1	0.8	8	15.3	1.0	8
Jul	0	7	-1.10	0.07	2	-12.3	0.7	2	-3.6	0.2	2	23.2	1.1	7	16.8	1.0	7
Aug	2	8	-1.33	0.38	2	-8.5	0.8	2	2.1	4.0	2	23.7	0.7	8	17.0	1.6	8
Sep	12	8	-4.67	1.25	5	-30.0	14.7	4	8.7	6.3	4	22.5	0.8	8	17.5	1.6	8
Oct	50	7	-4.74	1.33	6	-26.5	10.8	6	11.4	2.5	6	18.9	1.1	7	15.1	0.8	7
Nov	76	7	-4.22	2.20	8	-20.6	16.1	9	10.1	8.2	8	16.2	1.1	7	13.8	1.7	7
Dec	39	7	-3.83	1.48	7	-19.4	10.5	7	10.6	3.7	6	13.3	1.0	7	11.7	1.7	7

CORRELATIONS

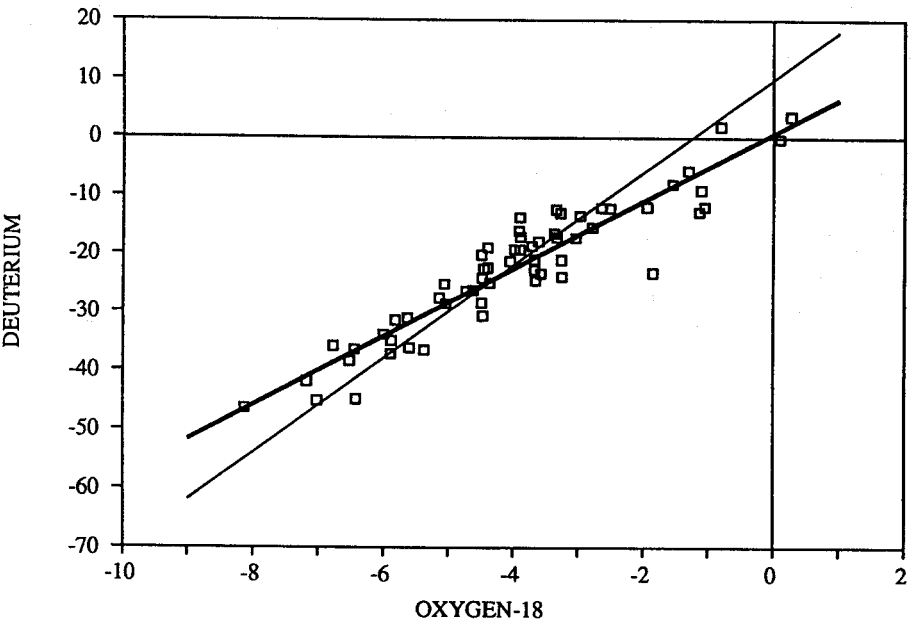
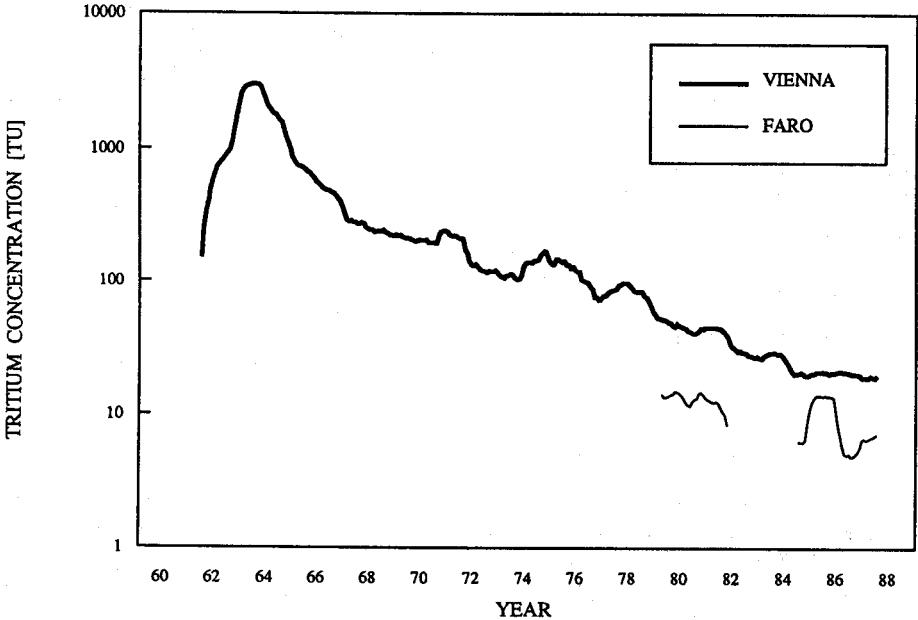
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	60	0.75	0.12	-0.14	0.18	0.388	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	6	0.98	0.24	-0.55	0.35	0.812	0.10
3) Monthly Deut vs. Monthly Precipitation	63	-0.08	0.03	-17.80	1.97	0.110	11.13
4) Monthly Oxyg-18 vs. Monthly Prec	68	-0.01	0.00	-3.43	0.29	0.099	1.68
5) Monthly Deut vs. Monthly Temperature	44	0.44	0.54	-28.72	8.57	0.016	11.93
6) Monthly Oxyg-18 vs. Monthly Temp	48	0.11	0.07	-5.78	1.16	0.049	1.74
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	60	5.82	0.29	0.70	1.27	0.873	4.05
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	60	6.22	0.29	2.32	1.35	0.873	4.05

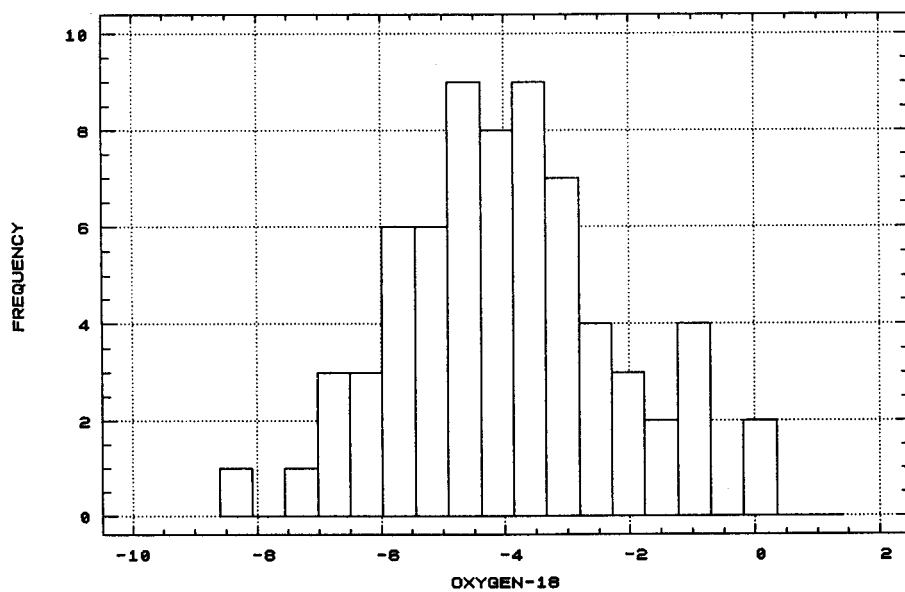
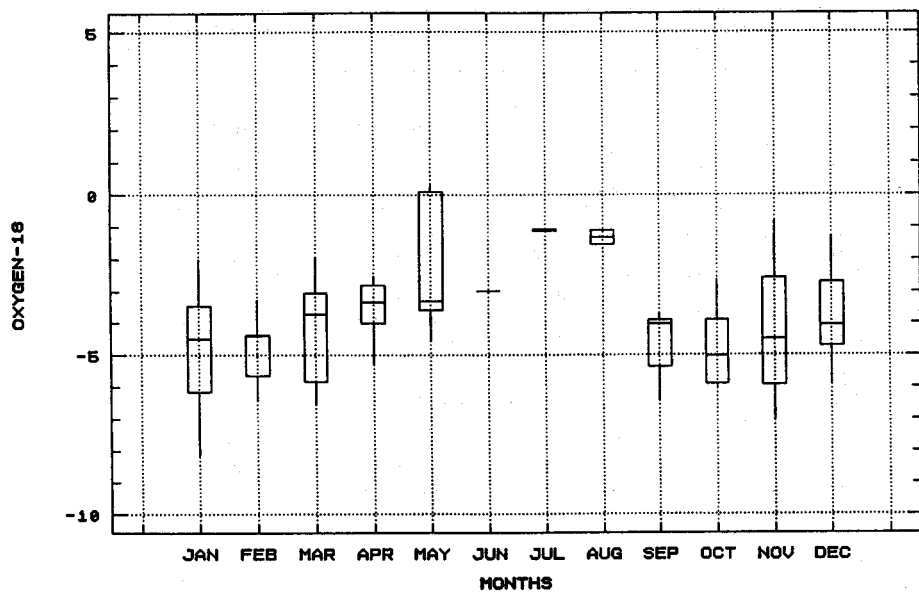
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
78 / 12	-4.80	-57.0		
79 / 7	6.70	25.9		
85 / 3	2.66	2.1		
85 / 6	1.09	3.2		

0855400 FARO, PORTUGAL

Lat. 37.01N Long. 7.96W Alt. 9 m a.s.l.





1013100 CUXHAVEN, GERMANY

Lat. 53.87N Long. 8.72E Alt. 12 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1978	841	65.5	69.1	-7.66	-7.63	-53.9	-54.1	7.4	7.0		
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		
1979	881	50.7	51.3	-8.33	-8.43	-60.8	-61.5	5.9	5.9		
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		
1980	894	38.7	42.3	-6.91	-6.98	-50.9	-53.6	4.4	2.3		
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		
1981	866	42.1	43.8	-7.21	-7.05	-50.9	-49.9	6.8	6.5		
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		
1982	674	30.1	31.3	-6.90	-6.59	-49.3	-47.0	5.9	5.8		
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		
1983	879	25.3	27.3	-7.12	-6.91	-51.5	-50.2	5.6	5.2		
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		
1984	842	36.4	38.8	-7.52	-7.75	-51.7	-54.2	8.5	7.9	8.7	
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		(12)
1985	756	24.4	24.4	-6.97	-7.01	-49.6	-49.8	6.2	6.3	8.0	
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		(12)
1986	791	25.4	25.8	-7.93	-7.33	-57.2	-52.6	6.3	6.1	8.5	
	(12)		(99.7/11)		(100.0/12)		(100.0/12)		(100.0/12)		(12)
1987	866	21.9	21.2	-6.22	-6.32	-44.3	-45.5	5.6	5.1	8.1	
	(12)		(94.9/11)		(94.9/11)		(94.9/11)		(94.9/11)		(12)
Long Term											
Means 829				-7.29	-7.20	-52.1	-51.8	6.2	5.8	8.3	
σ				0.60	0.61	4.5	4.4	1.1	1.4	0.3	

MONTHLY MEANS

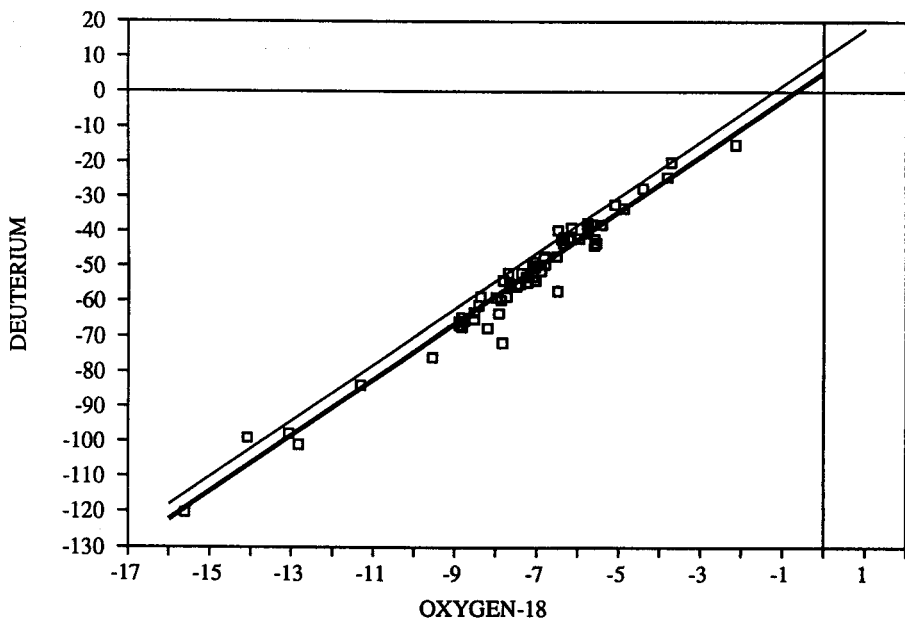
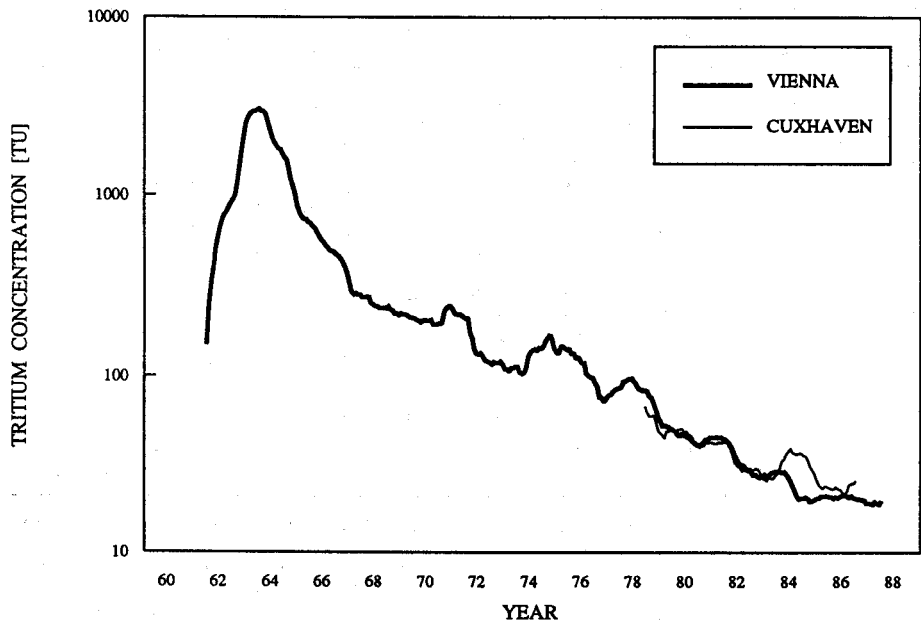
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	72	10	-9.16	2.56	10	-67.7	17.9	10	5.6	4.0	10	-1.0	3.2	4			
Feb	30	10	-8.02	2.18	10	-61.7	18.0	10	2.4	4.6	10	-0.9	2.5	4			
Mar	65	10	-8.48	2.66	10	-64.0	20.9	10	3.8	3.3	10	2.2	1.1	4			
Apr	41	10	-7.33	2.01	10	-53.6	17.2	10	5.0	2.3	10	7.2	1.1	4			
May	52	10	-6.43	1.54	9	-46.7	11.6	9	4.7	2.5	9	11.6	1.5	4			
Jun	82	10	-6.32	1.07	10	-44.7	9.6	10	5.8	1.6	10	13.8	1.3	4			
Jul	76	10	-6.19	1.84	10	-43.1	13.6	10	6.4	2.5	10	16.2	0.8	4			
Aug	70	10	-6.22	1.15	10	-42.4	8.5	10	7.3	1.8	10	16.3	1.0	4			
Sep	89	10	-6.07	1.05	10	-40.9	7.2	10	7.7	2.0	10	13.3	0.8	4			
Oct	88	10	-6.82	1.47	10	-46.2	12.3	10	8.3	1.4	10	10.9	0.5	4			
Nov	81	10	-7.06	1.81	10	-49.6	14.1	10	6.9	2.5	10	5.9	2.4	4			
Dec	84	10	-8.25	1.74	10	-60.7	13.6	10	5.3	1.5	10	3.7	0.9	4			

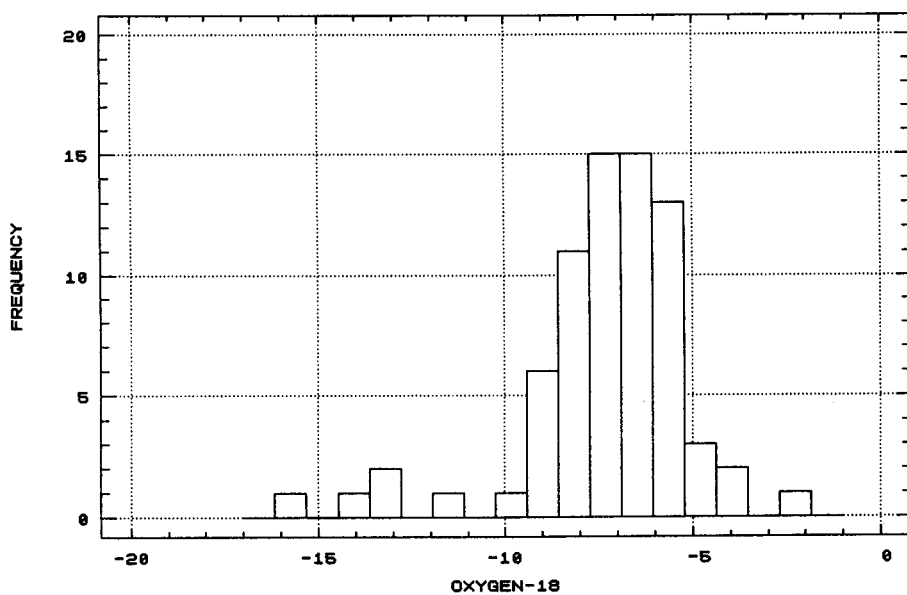
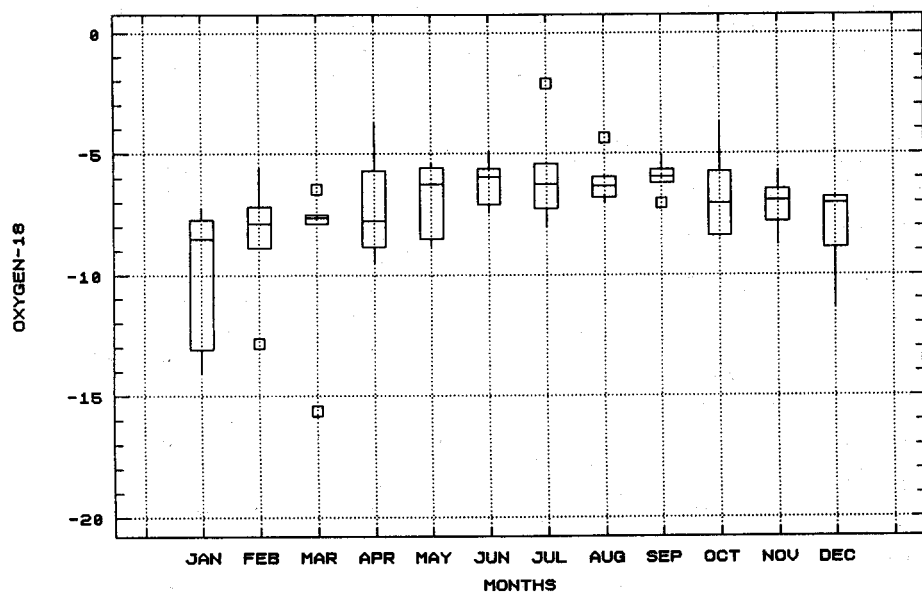
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	110	0.71	0.05	0.46	0.07	0.672	0.13
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.73	0.05	0.41	0.08	0.963	0.03
3) Monthly Deut vs. Monthly Precipitation	119	-0.01	0.04	-50.97	3.38	0.001	16.45
4) Monthly Oxyg-18 vs. Monthly Prec	119	-0.00	0.01	-6.88	0.41	0.006	2.02
5) Monthly Deut vs. Monthly Temperature	47	0.95	0.29	-58.43	2.97	0.196	12.30
6) Monthly Oxyg-18 vs. Monthly Temp	47	0.11	0.04	-8.01	0.39	0.155	1.61
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	119	7.99	0.14	5.69	1.03	0.966	3.03
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	119	8.13	0.14	6.69	1.06	0.966	3.03

1013100 CUXHAVEN, GERMANY

Lat. 53.87N Long. 8.72E Alt. 12 m a.s.l.





1032500 BAD SALZUFLEN, GERMANY

Lat. 52.10N Long. 8.73E Alt. 100 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1978	832 (12)	80.7 (100.0/12)	84.3	-8.34 (100.0/12)	-8.20	-59.4 (100.0/12)	-58.3	7.3 (100.0/12)	7.3		
1979	882 (12)	53.6 (100.0/12)	53.6	-8.95 (95.2/11)	-8.93	-62.1 (95.2/11)	-62.0	9.5 (95.2/11)	9.4		
1980	873 (12)	46.9 (100.0/12)	44.7	-8.03 (100.0/12)	-8.34	-58.6 (100.0/12)	-60.4	5.7 (100.0/12)	6.4		
1981	1027 (12)	46.5 (100.0/12)	46.3	-8.52 (100.0/12)	-8.45	-61.4 (100.0/12)	-60.7	6.8 (100.0/12)	6.9		
1982	727 (12)	37.7 (100.0/12)	38.8	-7.45 (100.0/12)	-6.74	-50.8 (100.0/12)	-45.2	8.9 (100.0/12)	8.8		
1983	795 (12)	34.6 (100.0/12)	38.3	-7.18 (100.0/12)	-6.70	-50.4 (100.0/12)	-45.7	7.0 (100.0/12)	7.9		
1984	917 (12)	38.0 (100.0/12)	38.0	-9.32 (100.0/12)	-9.16	-66.4 (100.0/12)	-65.3	8.3 (100.0/12)	8.0	9.3 (12)	
1985	743 (12)	24.1 (100.0/12)	23.8	-7.02 (100.0/12)	-6.54	-49.4 (100.0/12)	-45.7	6.8 (100.0/12)	6.7	8.5 (12)	
1986	856 (12)	22.3 (100.0/12)	25.1	-8.77 (100.0/12)	-8.83	-60.9 (100.0/12)	-61.7	9.3 (100.0/12)	9.0	8.9 (12)	
1987	935 (12)	22.0 (100.0/12)	22.2	-8.13 (100.0/12)	-8.02	-57.4 (100.0/12)	-56.8	7.7 (100.0/12)	7.4	8.5 (12)	
Long Term											
Means 859				-8.22	-7.99	-58.1	-56.2	7.7	7.8	8.8	
σ				0.77	0.98	5.7	7.6	1.2	1.0	0.4	

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	80	10	-9.69	2.10	9	-68.9	15.8	9	8.7	2.7	9	-1.3	4.3	4			
Feb	39	10	-9.98	3.18	10	-71.8	25.7	10	8.0	2.3	10	-1.1	3.6	4			
Mar	76	10	-8.47	1.82	10	-61.1	15.1	10	6.6	2.3	10	3.2	1.9	4			
Apr	56	10	-8.52	2.87	10	-62.0	22.6	10	6.2	2.2	10	8.5	1.7	4			
May	92	10	-7.94	1.60	10	-57.4	12.6	10	6.1	2.7	10	12.7	2.4	4			
Jun	99	10	-7.35	1.38	10	-52.8	11.4	10	6.0	2.2	10	14.8	1.2	4			
Jul	69	10	-5.44	1.44	10	-37.9	11.7	10	5.6	3.4	10	17.2	0.7	4			
Aug	70	10	-6.53	1.74	10	-43.9	14.2	10	8.3	2.2	10	16.8	0.9	4			
Sep	72	10	-5.99	1.83	10	-39.7	13.1	10	8.2	3.9	10	13.3	1.7	4			
Oct	58	10	-7.25	2.82	10	-49.0	20.4	10	9.1	4.0	10	10.7	0.8	4			
Nov	60	10	-9.43	1.50	10	-65.2	11.4	10	10.2	3.2	10	5.8	2.9	4			
Dec	87	10	-9.31	1.98	10	-64.8	14.6	10	9.7	2.6	10	4.1	1.0	4			

CORRELATIONS

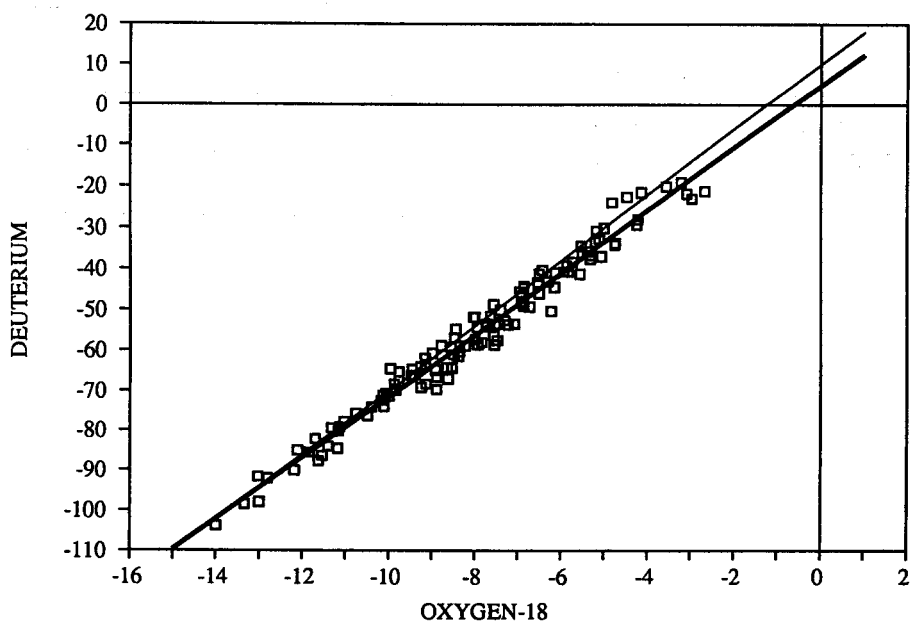
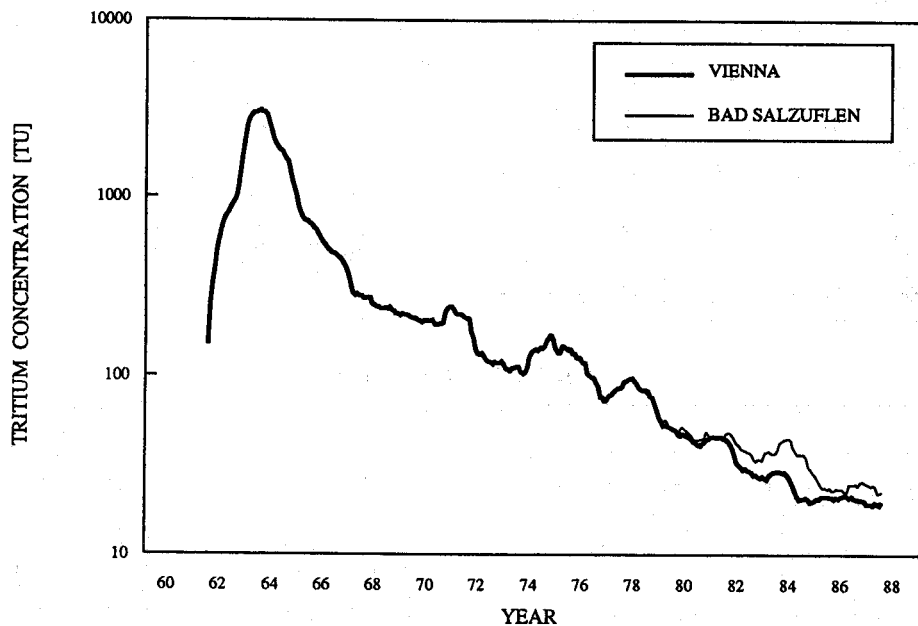
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	112	0.78	0.04	0.39	0.07	0.746	0.12
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.86	0.05	0.26	0.08	0.974	0.03
3) Monthly Deut vs. Monthly Precipitation	119	-0.10	0.05	-48.96	3.73	0.038	18.77
4) Monthly Oxyg-18 vs. Monthly Prec	119	-0.01	0.01	-7.11	0.48	0.033	2.44
5) Monthly Deut vs. Monthly Temperature	48	1.42	0.37	-69.79	4.06	0.242	16.82
6) Monthly Oxyg-18 vs. Monthly Temp	48	0.19	0.05	-9.79	0.52	0.254	2.17
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	119	7.63	0.11	4.74	0.94	0.975	3.01
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	119	7.72	0.11	5.51	0.97	0.975	3.01

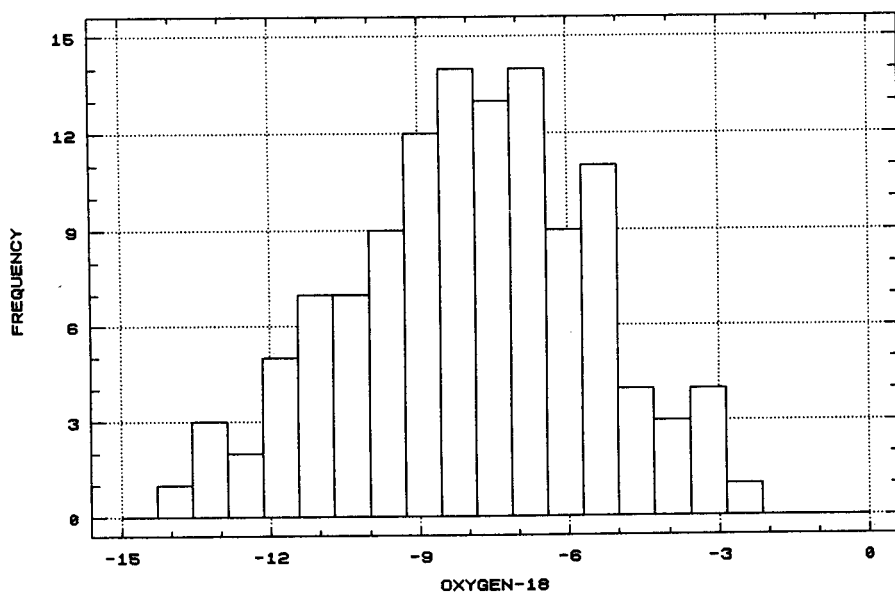
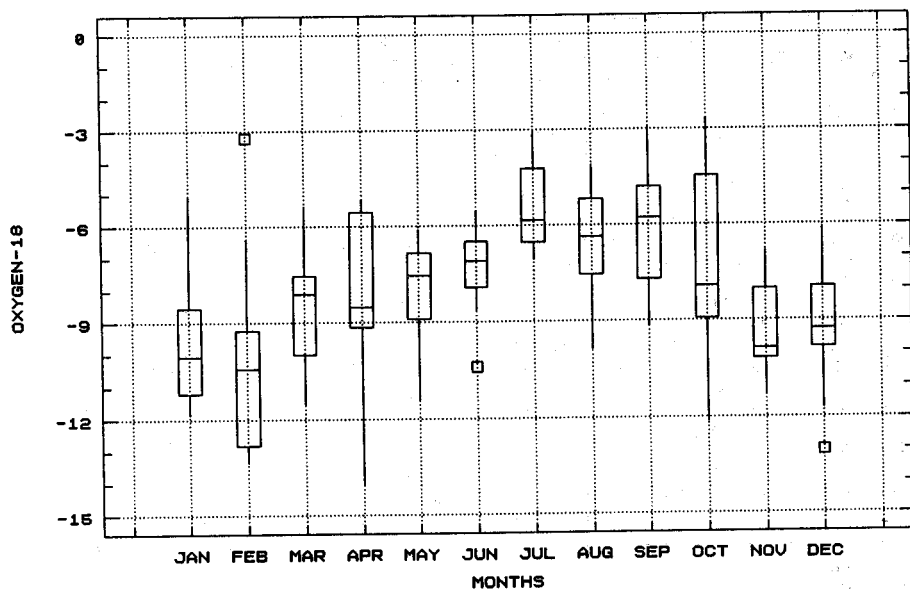
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
79 / 1	-10.93	-99.2		

1032500 BAD SALZUFLEN, GERMANY

Lat. 52.10N Long. 8.73E Alt. 100 m a.s.l.





1034800 BRAUNSCHWEIG, GERMANY

Lat. 52.30N Long. 10.45E Alt. 88 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1978	629 (12)	82.3 (100.0/12)	87.5 (100.0/12)	-8.27 (100.0/12)	-8.15 (100.0/12)	-59.1 (100.0/12)	-58.3 (100.0/12)	7.1 (100.0/12)	6.9 (100.0/12)		
1979	613 (12)	54.1 (100.0/12)	55.3 (100.0/12)	-9.41 (100.0/12)	-9.48 (100.0/12)	-68.8 (100.0/12)	-69.9 (100.0/12)	6.5 (100.0/12)	6.0 (100.0/12)		
1980	671 (12)	52.4 (95.5/11)	49.8 (100.0/12)	-7.84 (100.0/12)	-7.96 (100.0/12)	-55.5 (95.5/11)	-55.8 (95.5/11)	6.3 (95.5/11)	6.2 (95.5/11)		
1981	881 (12)	47.6 (100.0/12)	45.3 (100.0/12)	-8.09 (100.0/12)	-7.83 (100.0/12)	-60.4 (100.0/12)	-59.2 (100.0/12)	4.4 (100.0/12)	3.5 (100.0/12)		
1982	459 (11)	36.7 (71.3/11)	37.2 (71.3/11)	-7.45 (71.3/11)	-6.53 (71.3/11)	-54.4 (71.3/11)	-47.8 (71.3/11)	5.2 (71.3/11)	4.5 (71.3/11)		
1983	590 (12)	29.3 (100.0/12)	30.3 (100.0/12)	-7.41 (100.0/12)	-6.62 (100.0/12)	-52.5 (100.0/12)	-46.3 (100.0/12)	6.8 (100.0/12)	6.7 (100.0/12)		
1984	618 (12)	35.2 (100.0/12)	35.2 (100.0/12)	-8.34 (100.0/12)	-8.37 (100.0/12)	-59.5 (100.0/12)	-60.3 (100.0/12)	7.3 (100.0/12)	6.7 (100.0/12)	8.8 (12)	
1985	596 (12)	26.5 (100.0/12)	24.6 (100.0/12)	-6.85 (100.0/12)	-6.43 (100.0/12)	-48.5 (100.0/12)	-45.1 (100.0/12)	6.3 (100.0/12)	6.4 (100.0/12)	8.2 (12)	
1986	708 (12)	21.4 (100.0/12)	22.4 (100.0/12)	-8.55 (100.0/12)	-8.90 (100.0/12)	-62.3 (100.0/12)	-65.1 (100.0/12)	6.2 (100.0/12)	6.2 (100.0/12)	8.4 (12)	
1987	669 (12)	23.9 (93.4/11)	22.9 (93.4/11)	-8.01 (93.4/11)	-8.10 (93.4/11)	-58.1 (93.4/11)	-58.6 (93.4/11)	6.0 (93.4/11)	6.2 (93.4/11)	7.8 (12)	
Long Term Means 643				-8.10	-7.98	-58.5	-57.6	6.2	6.1	8.3	
σ				0.72	0.97	5.8	7.9	0.9	1.0	0.4	

MONTHLY MEANS

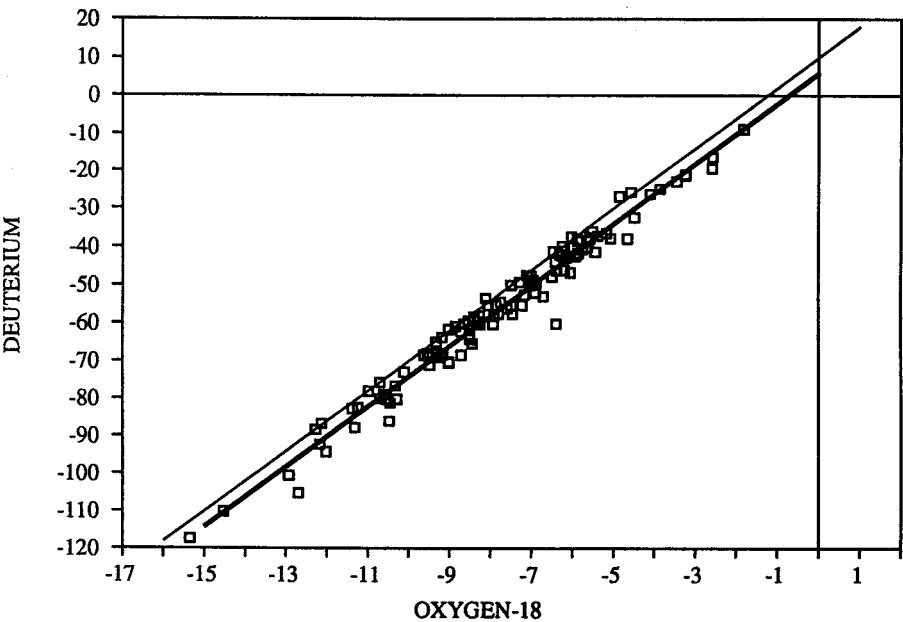
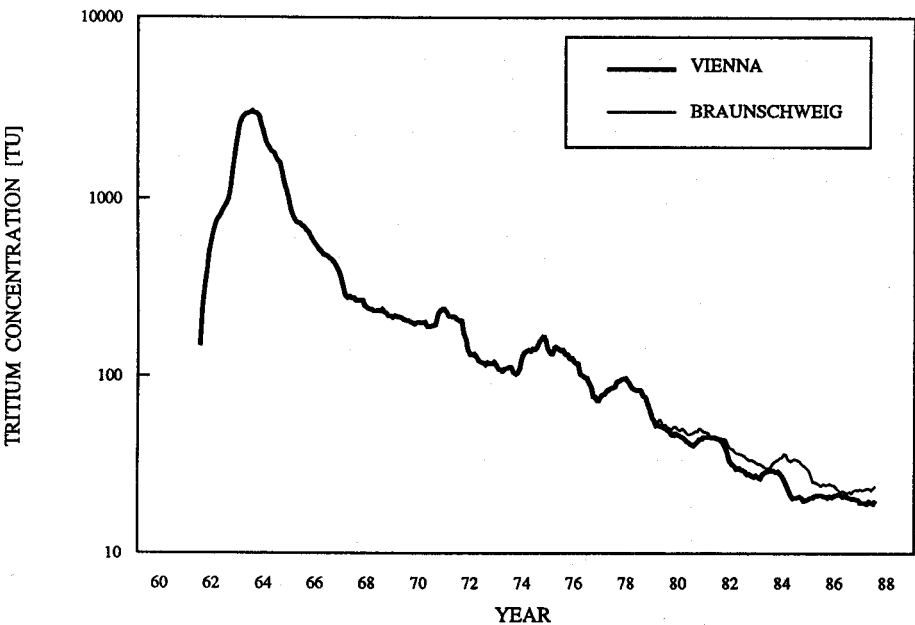
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	47	10	-9.82	2.43	10	-73.5	21.3	9	4.5	2.6	9	-2.0	4.4	4			
Feb	27	10	-9.41	3.34	10	-73.2	26.6	10	2.1	4.9	10	-2.1	3.8	4			
Mar	51	10	-9.43	1.36	10	-70.2	10.8	10	5.2	2.7	10	2.2	2.0	4			
Apr	47	10	-8.16	1.81	10	-58.6	14.2	10	6.6	2.6	10	8.1	1.4	4			
May	64	9	-7.92	2.38	8	-56.6	17.5	8	6.8	2.3	8	12.7	2.0	4			
Jun	85	10	-7.33	1.54	10	-53.4	12.7	10	5.3	2.2	10	14.6	1.1	4			
Jul	55	10	-5.52	1.94	10	-40.0	15.4	10	4.2	1.4	10	16.9	0.7	4			
Aug	64	10	-6.29	1.30	10	-43.5	9.7	10	6.8	1.7	10	16.7	0.8	4			
Sep	54	10	-6.05	2.18	10	-41.4	16.3	10	6.9	1.5	10	13.1	1.3	4			
Oct	45	10	-7.76	2.80	10	-53.7	22.1	10	8.3	2.9	10	10.4	0.7	4			
Nov	44	10	-8.05	1.96	10	-56.1	16.1	10	8.2	2.5	10	5.2	2.7	4			
Dec	66	10	-8.35	2.96	10	-61.2	24.5	10	5.5	4.6	10	3.2	1.4	4			

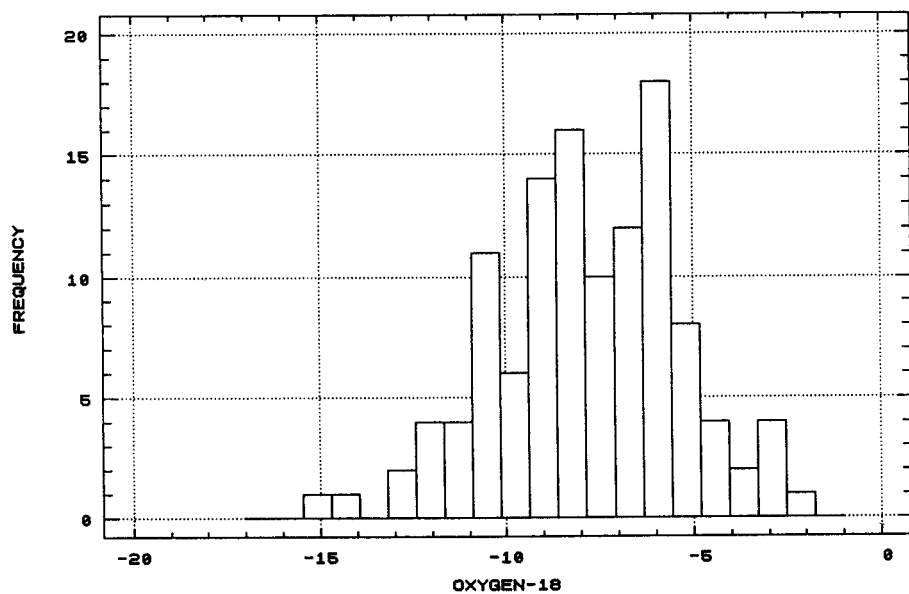
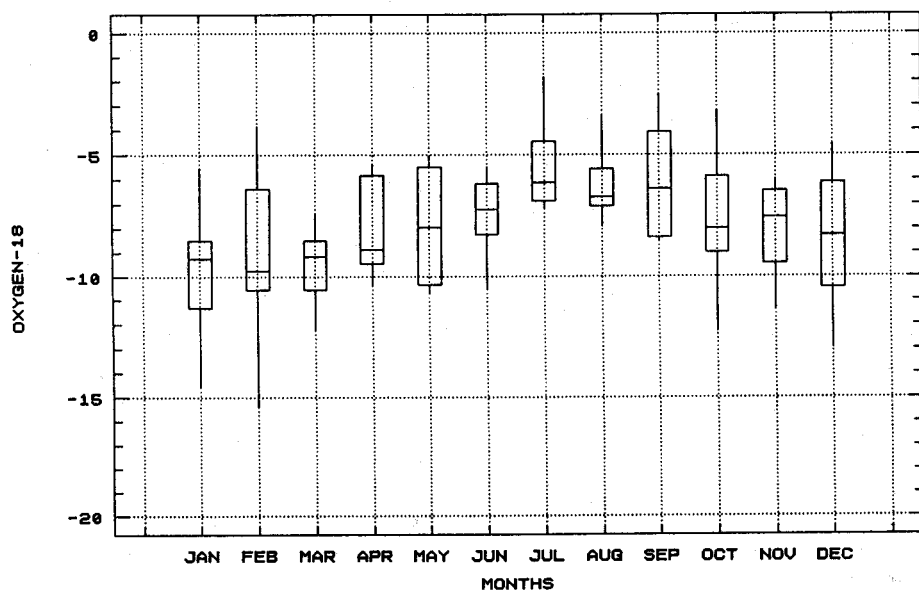
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	109	0.81	0.04	0.35	0.06	0.797	0.10
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	8	0.86	0.08	0.26	0.13	0.948	0.05
3) Monthly Deut vs. Monthly Precipitation	117	-0.09	0.06	-51.63	3.93	0.018	20.32
4) Monthly Oxyg-18 vs. Monthly Prec	118	-0.01	0.01	-7.15	0.48	0.023	2.50
5) Monthly Deut vs. Monthly Temperature	47	1.50	0.35	-69.46	3.73	0.291	16.41
6) Monthly Oxyg-18 vs. Monthly Temp	47	0.19	0.04	-9.46	0.47	0.282	2.08
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	117	8.01	0.12	5.92	0.98	0.975	3.24
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	117	8.11	0.12	6.71	1.02	0.975	3.24

1034800 BRAUNSCHWEIG, GERMANY

Lat. 52.30N Long. 10.45E Alt. 88 m a.s.l.





1038400 BERLIN, GERMANY

Lat. 52.47N Long. 13.40E Alt. 50 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1978	646 (12)	91.6 (98.7/11)	98.3	-8.03 (97.5/11)	-8.17	-55.3 (97.5/11)	-56.4	9.0 (97.5/11)	9.0	9.1 (12)	9.0 (12)
1979	590 (12)	56.2 (100.0/12)	55.6	-9.51 (100.0/12)	-9.79	-67.2 (100.0/12)	-69.6	9.0 (100.0/12)	8.7	8.8 (12)	8.9 (12)
1980	654 (12)	51.5 (100.0/12)	46.2	-8.70 (100.0/12)	-8.75	-62.4 (100.0/12)	-62.4	7.2 (100.0/12)	7.7	8.4 (12)	8.9 (12)
1981	648 (12)	50.4 (100.0/12)	51.3	-8.94 (100.0/12)	-8.73	-64.3 (100.0/12)	-62.7	7.3 (100.0/12)	7.1	9.4 (12)	9.4 (12)
1982	360 (11)	39.9 (61.6/11)	42.3	-8.53 (61.6/11)	-7.68	-59.2 (61.6/11)	-53.2	9.0 (61.6/11)	8.3		
1983	616 (12)	33.2 (100.0/12)	36.1	-7.37 (100.0/12)	-7.50	-51.9 (100.0/12)	-53.0	7.1 (100.0/12)	7.0		
1984	556 (12)	35.9 (91.3/11)	34.3	-9.50 (91.3/11)	-9.42	-67.9 (91.3/11)	-67.4	8.1 (91.3/11)	7.9	9.0 (12)	
1985	483 (12)	29.3 (80.5/10)	30.6	-6.74 (80.5/10)	-6.65	-46.5 (80.5/10)	-45.1	7.5 (80.5/10)	8.1	8.2 (12)	
1986	640 (12)	22.9 (100.0/12)	23.3	-10.03 (100.0/12)	-10.23	-72.3 (100.0/12)	-73.9	8.0 (100.0/12)	7.9	8.5 (12)	
1987	642 (12)	22.9 (83.8/11)	23.1	-8.65 (83.8/11)	-8.73	-61.6 (83.8/11)	-62.2	7.7 (83.8/11)	7.7	7.9 (12)	
Long Term											
Means 584				-8.67	-8.66	-61.6	-61.4	7.9	7.9	8.7	9.0
σ				1.07	1.11	8.3	8.8	0.7	0.6	0.5	0.2

MONTHLY MEANS

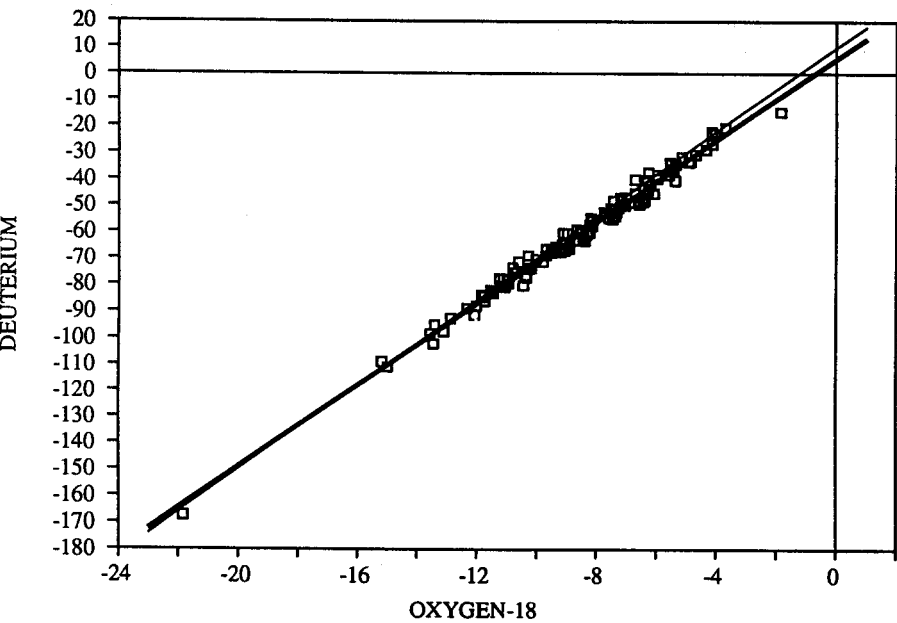
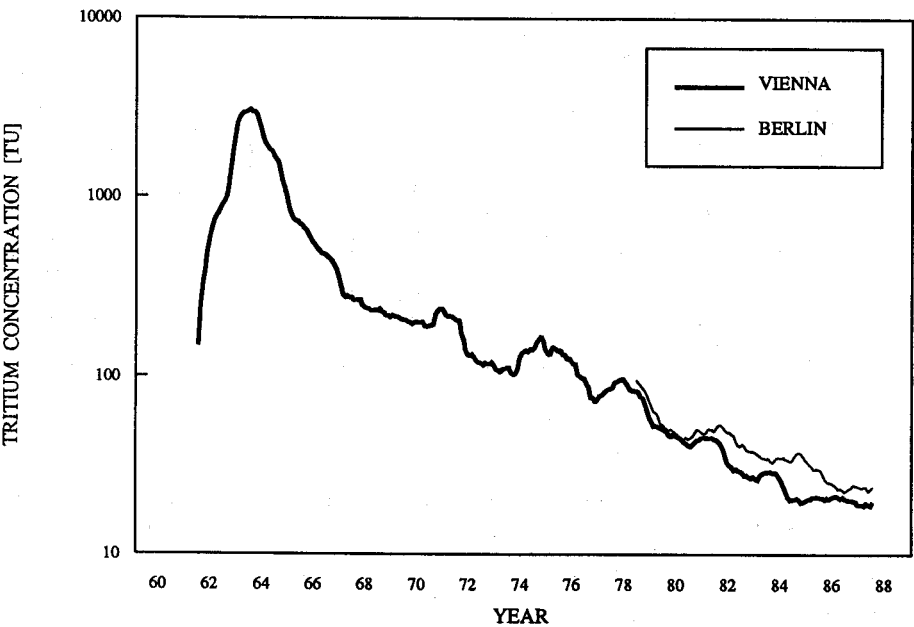
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	46	10	-11.36	2.54	10	-82.0	18.4	10	8.8	2.9	10	-1.3	3.7	10	5.3	1.1	7
Feb	23	10	-11.09	5.09	9	-80.0	41.0	9	8.7	3.0	9	-1.0	2.3	10	5.0	0.5	7
Mar	42	10	-8.97	1.01	10	-65.2	6.9	10	6.5	1.5	10	4.1	2.0	10	5.9	1.6	8
Apr	43	10	-9.22	2.74	9	-66.6	22.4	9	7.2	2.9	9	8.3	0.9	10	7.1	0.7	7
May	58	10	-7.00	1.05	9	-49.1	6.9	9	6.9	3.1	9	13.9	1.6	10	10.1	1.2	7
Jun	66	9	-8.28	1.56	9	-60.1	12.6	9	6.1	1.9	9	16.5	1.6	9	12.5	1.0	6
Jul	52	10	-6.65	1.42	10	-46.8	12.1	10	6.4	1.7	10	18.3	1.9	10	13.5	0.8	7
Aug	66	10	-6.88	1.86	9	-47.8	14.1	9	7.3	1.4	9	17.8	1.4	10	13.8	0.6	6
Sep	50	10	-5.67	1.85	10	-38.1	12.5	10	7.2	3.0	10	14.2	1.7	10	12.3	0.4	7
Oct	37	10	-7.79	2.88	9	-52.7	23.8	9	9.7	2.1	9	9.8	0.9	10	9.8	1.1	7
Nov	45	10	-9.75	1.67	10	-67.5	13.5	10	10.5	1.5	10	5.0	1.6	9	7.4	0.4	6
Dec	62	10	-10.35	1.73	10	-73.6	13.9	10	9.2	1.5	10	1.6	2.3	8	5.8	1.1	4

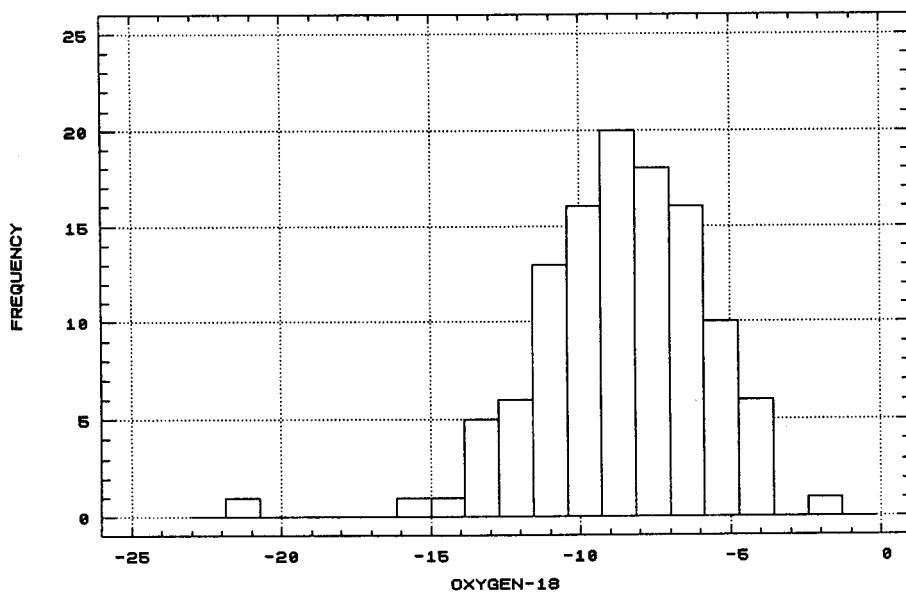
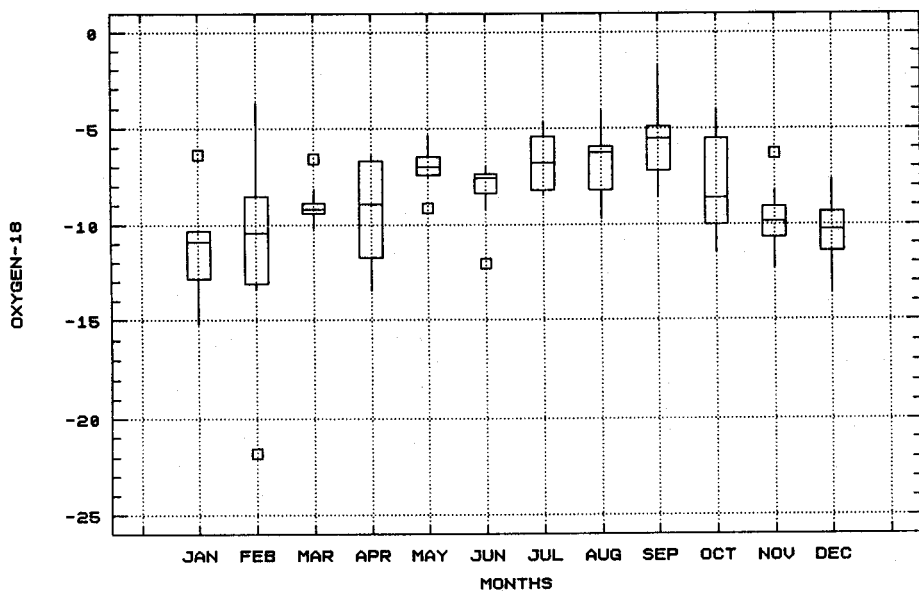
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	106	0.78	0.04	0.43	0.07	0.745	0.12
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	8	0.88	0.07	0.24	0.10	0.967	0.04
3) Monthly Deut vs. Monthly Precipitation	114	-0.03	0.08	-59.32	4.22	0.002	22.29
4) Monthly Oxyg-18 vs. Monthly Prec	114	-0.00	0.01	-8.40	0.54	0.002	2.86
5) Monthly Deut vs. Monthly Temperature	111	1.79	0.24	-76.47	2.77	0.337	18.22
6) Monthly Oxyg-18 vs. Monthly Temp	111	0.24	0.03	-10.69	0.35	0.366	2.29
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	114	7.74	0.08	5.65	0.74	0.988	2.49
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	114	7.79	0.08	6.07	0.77	0.988	2.49

1038400 BERLIN, GERMANY

Lat. 52.47N Long. 13.40E Alt. 50 m a.s.l.





1040600 EMMERICH, GERMANY

Lat. 51.83N Long. 6.60E Alt. 43 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1978	656 (12)	52.8	65.3 (50.1/6)								
1979	721 (12)	65.9	67.2 (66.4/8)								
1980	722 (12)	42.7	44.9 (100.0/12)	-7.57	-7.38 (100.0/12)	-53.7	-52.5 (100.0/12)	6.9	6.6 (100.0/12)		
1981	817 (12)	44.7	46.1 (100.0/12)	-7.21	-6.98 (86.6/11)	-53.1	-51.6 (86.6/11)	4.7	4.3 (86.6/11)		
1982	638 (12)	35.4	36.2 (100.0/12)	-6.78	-6.03 (100.0/12)	-48.8	-43.1 (100.0/12)	5.5	5.2 (100.0/12)		
1983	782 (12)	36.3	37.2 (100.0/12)	-6.62	-6.39 (100.0/12)	-47.4	-45.0 (100.0/12)	5.6	6.2 (100.0/12)		
1984	830 (12)	32.5	33.1 (100.0/12)	-7.21	-7.13 (100.0/12)	-52.1	-51.8 (100.0/12)	5.6	5.3 (100.0/12)	9.6 (12)	
1985	714 (12)	26.5	26.2 (98.5/11)	-7.86	-7.69 (98.5/11)	-56.5	-54.8 (98.5/11)	6.4	6.7 (98.5/11)	8.6 (12)	
1986	769 (12)	24.5	27.6 (100.0/12)	-7.80	-7.01 (100.0/12)	-56.1	-49.9 (100.0/12)	6.4	6.3 (100.0/12)	9.2 (12)	
1987	795 (12)	21.8	21.8 (100.0/12)	-7.30	-7.19 (100.0/12)	-52.2	-51.6 (100.0/12)	6.3	6.0 (100.0/12)	9.0 (12)	
Long Term											
Means 744				-7.30	-6.98	-52.5	-50.0	5.9	5.8	9.1	
σ				0.45	0.53	3.2	3.9	0.7	0.8	0.4	

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	71	10	-8.16	1.37	8	-60.6	9.4	8	4.7	2.2	8	-0.3	3.7	4			
Feb	37	10	-7.01	2.78	7	-51.7	21.9	7	4.4	1.5	7	-0.1	3.2	4			
Mar	76	10	-7.83	1.62	8	-58.1	12.6	8	4.5	1.8	8	3.6	1.1	4			
Apr	38	10	-6.54	2.13	8	-47.0	15.3	8	5.3	3.4	8	8.7	2.1	4			
May	67	10	-6.22	0.88	8	-45.3	7.4	8	4.5	1.5	8	12.4	1.9	4			
Jun	79	10	-7.25	0.92	8	-50.9	7.4	8	7.1	4.0	8	14.9	1.4	4			
Jul	55	10	-5.68	1.35	8	-39.0	9.7	8	6.4	1.5	8	17.3	0.7	4			
Aug	53	10	-5.48	1.21	8	-38.3	9.0	8	5.6	2.4	8	16.7	1.1	4			
Sep	62	10	-6.11	1.21	8	-41.9	9.7	8	7.0	2.4	8	13.6	1.6	4			
Oct	65	10	-7.37	2.14	7	-50.6	16.8	7	8.3	2.1	7	11.0	0.7	4			
Nov	64	10	-8.02	1.51	8	-57.9	11.9	8	6.2	2.3	8	6.0	3.1	4			
Dec	79	10	-7.97	2.33	8	-57.9	18.5	8	5.8	2.1	8	4.6	0.6	4			

CORRELATIONS

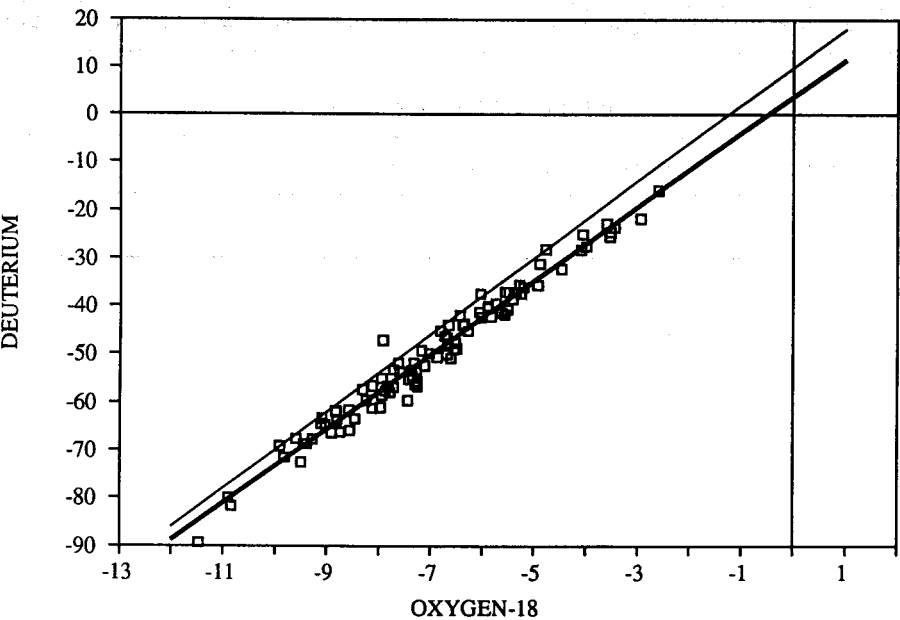
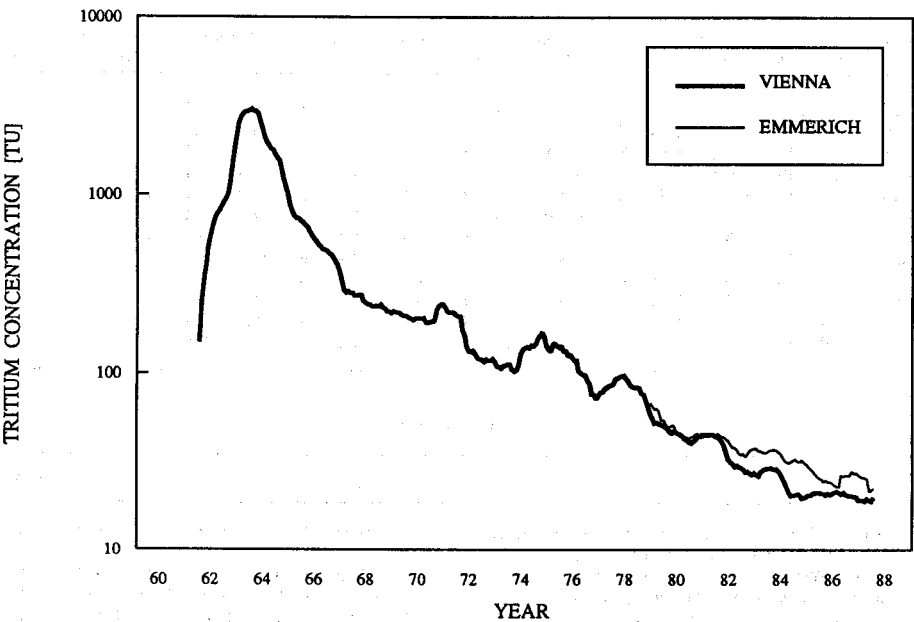
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	101	0.73	0.05	0.47	0.08	0.642	0.13
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	7	0.85	0.08	0.27	0.12	0.953	0.03
3) Monthly Deut vs. Monthly Precipitation	94	-0.17	0.05	-39.30	3.18	0.131	13.50
4) Monthly Oxyg-18 vs. Monthly Prec	94	-0.02	0.01	-5.59	0.40	0.134	1.72
5) Monthly Deut vs. Monthly Temperature	47	0.83	0.29	-59.60	3.23	0.153	12.16
6) Monthly Oxyg-18 vs. Monthly Temp	47	0.10	0.04	-8.16	0.42	0.129	1.60
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	94	7.72	0.14	3.85	1.01	0.971	2.49
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	94	7.84	0.14	4.66	1.03	0.971	2.49

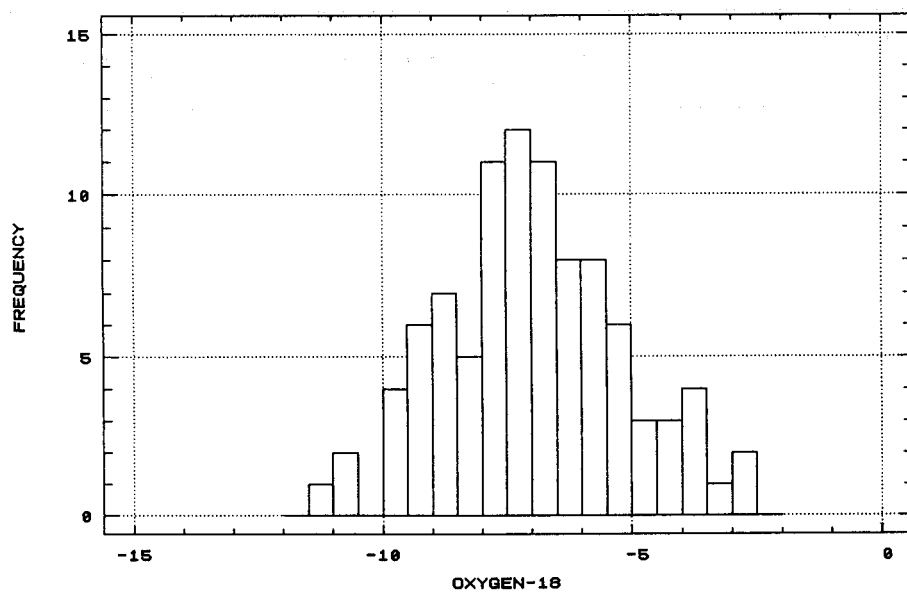
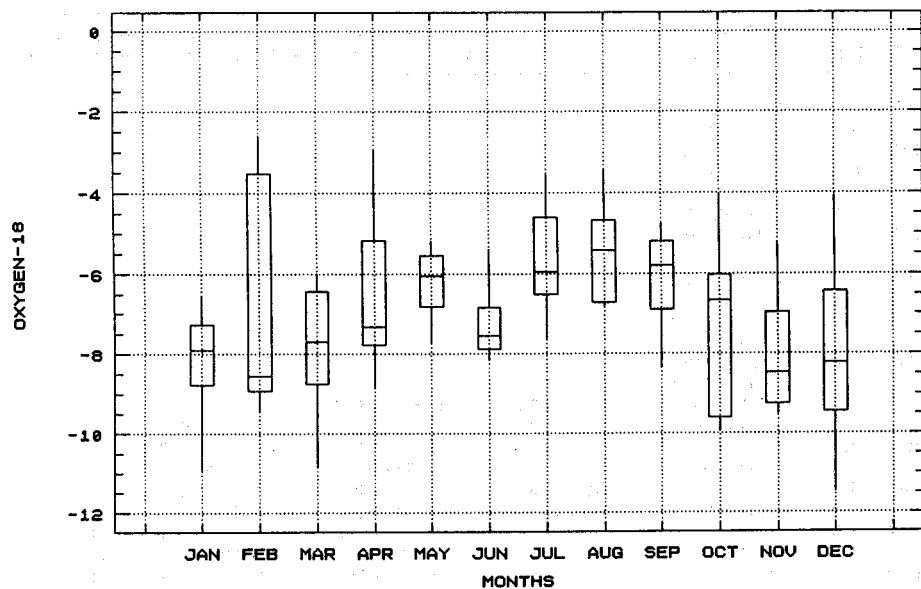
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
81 / 10	-10.71	-53.0		

1040600 EMMERICH, GERMANY

Lat. 51.83N Long. 6.60E Alt. 43 m a.s.l.





1051500 KOBLENZ, GERMANY

Lat. 50.35N Long. 7.58E Alt. 97 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1974	349 (5)	102.1	105.1 (43.9/4)								
1975	620 (12)	163.5	168.5 (100.0/12)								
1976	466 (12)	102.4	98.6 (100.0/12)								
1977	609 (12)	99.6	104.6 (100.0/12)								
1978	550 (12)	110.6	110.3 (100.0/12)								
1979	800 (12)	75.0	73.5 (100.0/12)								
1980	610 (12)	65.5	65.3 (100.0/12)								
1981	747 (12)	55.3	55.1 (98.5/11)	-7.58	-7.68 (90.2/10)	-56.8	-57.3 (90.2/10)	3.8	4.2 (90.2/10)		
1982	701 (12)	45.4	49.5 (100.0/12)	-8.24	-7.59 (77.6/10)	-61.1	-55.7 (77.6/10)	4.9	5.0 (77.6/10)		
1983	616 (12)	49.3	47.3 (100.0/12)	-6.40	-6.58 (100.0/12)	-47.8	-48.7 (100.0/12)	3.4	3.9 (100.0/12)		
1984	838 (12)	39.1	36.2 (100.0/12)	-8.18	-8.74 (100.0/12)	-58.1	-63.0 (100.0/12)	7.4	6.9 (100.0/12)	10.3 (12)	
1985	605 (12)	35.8	33.1 (100.0/12)	-7.38	-7.72 (100.0/12)	-53.4	-55.5 (100.0/12)	5.8	6.4 (100.0/12)	10.4 (12)	
1986	715 (12)	30.0	30.3 (100.0/12)	-7.03	-8.18 (100.0/12)	-52.6	-61.2 (100.0/12)	3.7	4.3 (100.0/12)	10.3 (12)	
1987	690 (12)	26.7	26.1 (100.0/12)	-7.26	-7.25 (100.0/12)	-52.4	-52.2 (100.0/12)	5.7	5.9 (100.0/12)	9.9 (12)	
Long Term											
Means 637				-7.45	-7.68	-54.6	-56.2	5.1	5.2	10.2	
σ				0.64	0.68	4.4	4.9	1.4	1.1	0.2	

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	51	13	-8.53	2.41	5	-62.5	18.8	5	5.8	2.7	5	0.4	3.7	4			
Feb	30	13	-11.49	5.16	6	-86.3	40.6	6	5.6	2.2	6	0.2	3.0	4			
Mar	48	13	-9.32	1.93	7	-69.5	14.9	7	5.1	1.9	7	4.8	1.1	4			
Apr	46	13	-8.90	1.52	7	-67.2	11.1	7	4.0	3.5	7	9.7	1.9	4			
May	67	13	-5.91	1.70	7	-45.3	9.9	7	2.0	5.3	7	13.7	2.3	4			
Jun	73	13	-6.52	1.04	6	-48.1	7.6	6	4.0	2.2	6	19.0	4.7	4			
Jul	80	13	-5.00	0.92	7	-35.0	7.9	7	5.0	3.4	7	18.9	0.5	4			
Aug	64	14	-5.72	0.69	7	-40.9	4.1	7	4.9	2.6	7	18.0	0.4	4			
Sep	48	14	-5.72	1.76	7	-39.8	14.1	7	6.0	2.5	7	14.8	1.8	4			
Oct	58	14	-7.29	3.03	7	-50.3	23.4	7	8.1	2.0	7	11.5	0.8	4			
Nov	50	14	-8.58	1.67	7	-60.5	12.5	7	8.1	2.1	7	6.1	2.4	4			
Dec	50	14	-9.73	2.67	7	-73.6	22.6	7	4.2	3.8	7	4.7	0.8	4			

CORRELATIONS

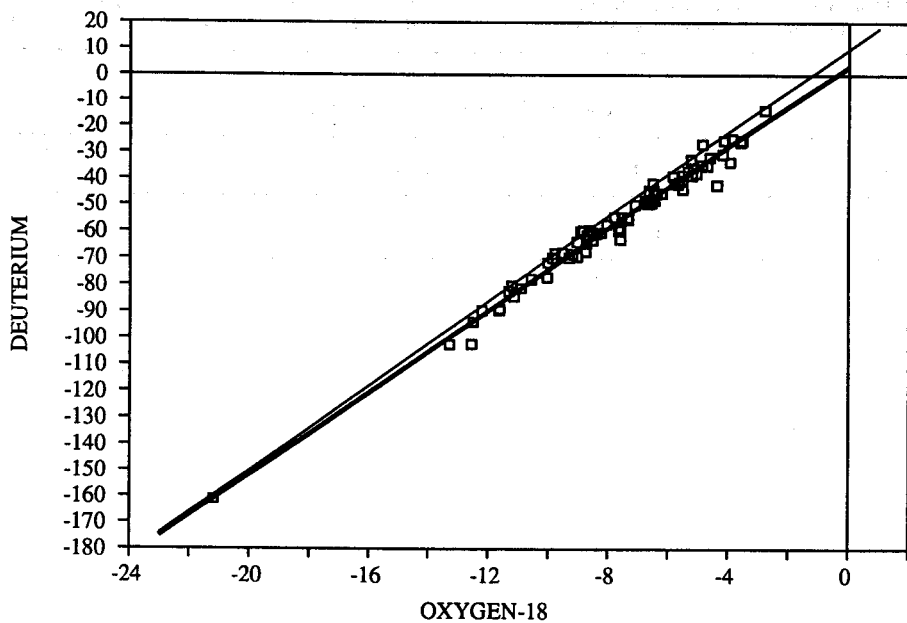
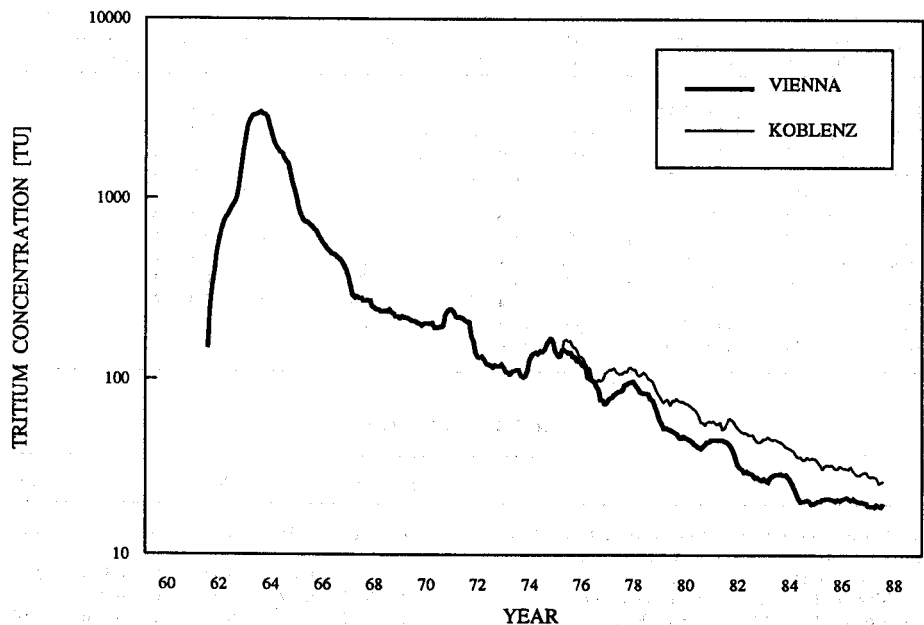
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	151	0.68	0.04	0.66	0.07	0.616	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	0.81	0.05	0.44	0.08	0.966	0.05
3) Monthly Deut vs. Monthly Precipitation	80	0.11	0.09	-62.85	5.67	0.022	22.26
4) Monthly Oxyg-18 vs. Monthly Prec	80	0.02	0.01	-8.62	0.72	0.026	2.84
5) Monthly Deut vs. Monthly Temperature	48	2.14	0.38	-79.69	4.63	0.411	17.97
6) Monthly Oxyg-18 vs. Monthly Temp	48	0.28	0.05	-10.82	0.58	0.431	2.26
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	80	7.75	0.13	3.33	1.03	0.980	3.20
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	80	7.83	0.12	3.94	1.08	0.980	3.20

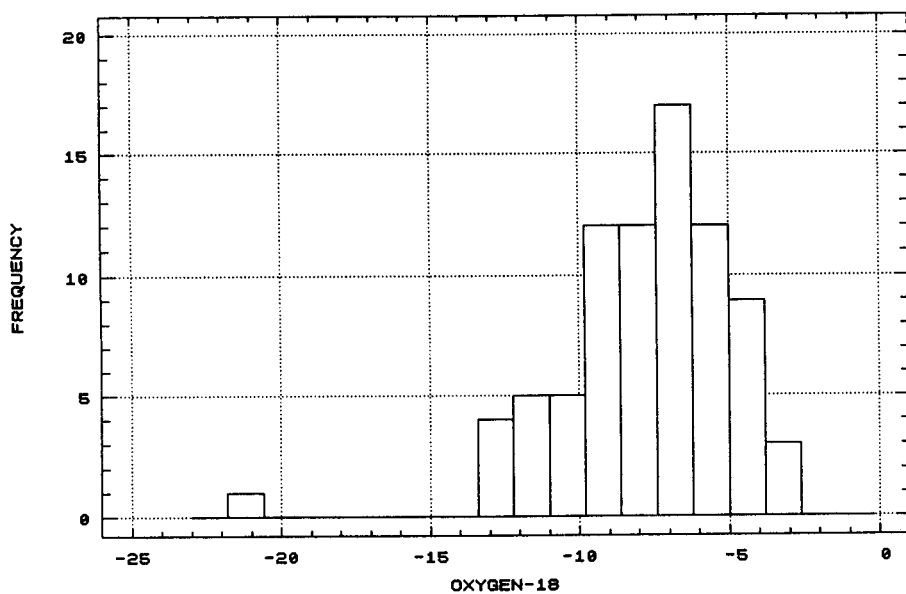
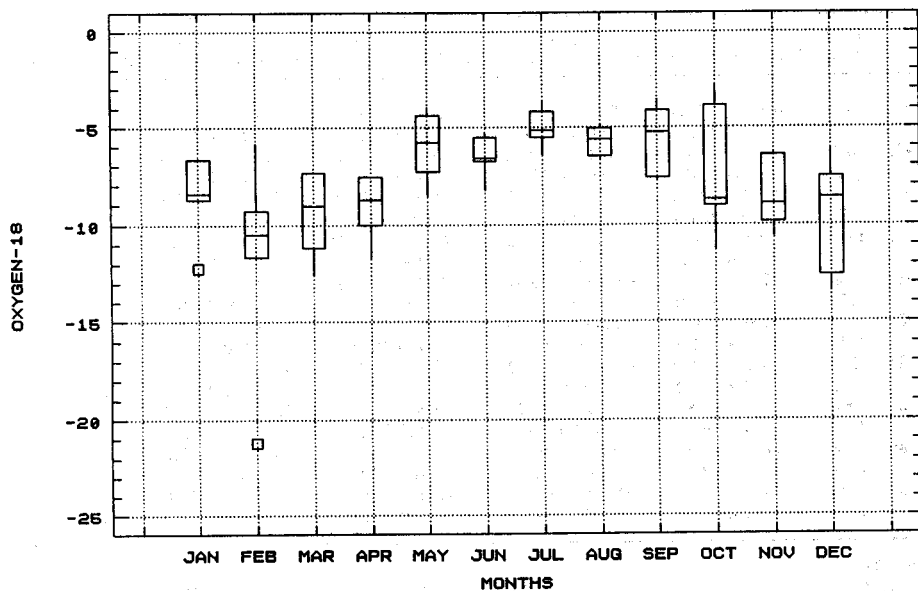
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
82 / 6	1.41	-6.9		

1051500 KOBLENZ, GERMANY

Lat. 50.35N Long. 7.58E Alt. 97 m a.s.l.





1054400 WASSERKUPPE RHÖN, GERMANY

Lat. 50.50N Long. 9.95E Alt. 921 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1978	880 (12)	101.9 (100.0/12)	103.7 (100.0/12)	-9.58 (100.0/12)	-9.48 (100.0/12)	-63.9 (100.0/12)	-63.5 (100.0/12)	12.8 (100.0/12)	12.4 (100.0/12)		
1979	1059 (12)	72.3 (100.0/12)	71.6 (100.0/12)	-10.16 (100.0/12)	-10.42 (100.0/12)	-68.9 (100.0/12)	-71.1 (100.0/12)	12.5 (100.0/12)	12.3 (100.0/12)		
1980	1257 (12)	53.7 (100.0/12)	54.1 (100.0/12)	-9.90 (100.0/12)	-10.10 (100.0/12)	-68.3 (100.0/12)	-70.0 (100.0/12)	10.9 (100.0/12)	10.9 (100.0/12)		
1981	1386 (12)	50.6 (100.0/12)	48.0 (100.0/12)	-9.92 (100.0/12)	-10.02 (100.0/12)	-69.7 (100.0/12)	-70.1 (100.0/12)	9.7 (100.0/12)	10.1 (100.0/12)		
1982	798 (12)	42.1 (100.0/12)	44.6 (100.0/12)	-10.74 (100.0/12)	-9.94 (100.0/12)	-74.1 (100.0/12)	-67.8 (100.0/12)	11.9 (100.0/12)	11.8 (100.0/12)		
1983	1111 (12)	36.0 (100.0/12)	35.2 (100.0/12)	-8.83 (100.0/12)	-8.73 (100.0/12)	-60.1 (100.0/12)	-58.7 (100.0/12)	10.5 (100.0/12)	11.2 (100.0/12)		
1984	1293 (12)	34.1 (100.0/12)	35.7 (100.0/12)	-10.41 (100.0/12)	-10.87 (100.0/12)	-73.3 (100.0/12)	-77.4 (100.0/12)	10.1 (100.0/12)	9.6 (100.0/12)	4.4 (12)	
1985	1008 (12)	37.2 (100.0/12)	38.1 (100.0/12)	-9.24 (100.0/12)	-9.29 (100.0/12)	-63.5 (100.0/12)	-64.1 (100.0/12)	10.5 (100.0/12)	10.2 (100.0/12)	3.9 (12)	
1986	1178 (12)	28.7 (100.0/12)	29.4 (100.0/12)	-9.67 (100.0/12)	-10.36 (100.0/12)	-68.5 (100.0/12)	-73.8 (100.0/12)	9.0 (100.0/12)	9.2 (100.0/12)	4.4 (12)	
1987	1295 (12)	27.3 (100.0/12)	27.6 (100.0/12)	-9.50 (100.0/12)	-9.56 (100.0/12)	-65.5 (100.0/12)	-66.0 (100.0/12)	10.5 (100.0/12)	10.6 (100.0/12)	4.1 (12)	
Long Term											
Means 1127				-9.78	-9.88	-67.6	-68.3	10.7	10.8	4.2	
σ				0.56	0.62	4.4	5.4	1.2	1.0	0.2	

MONTHLY MEANS

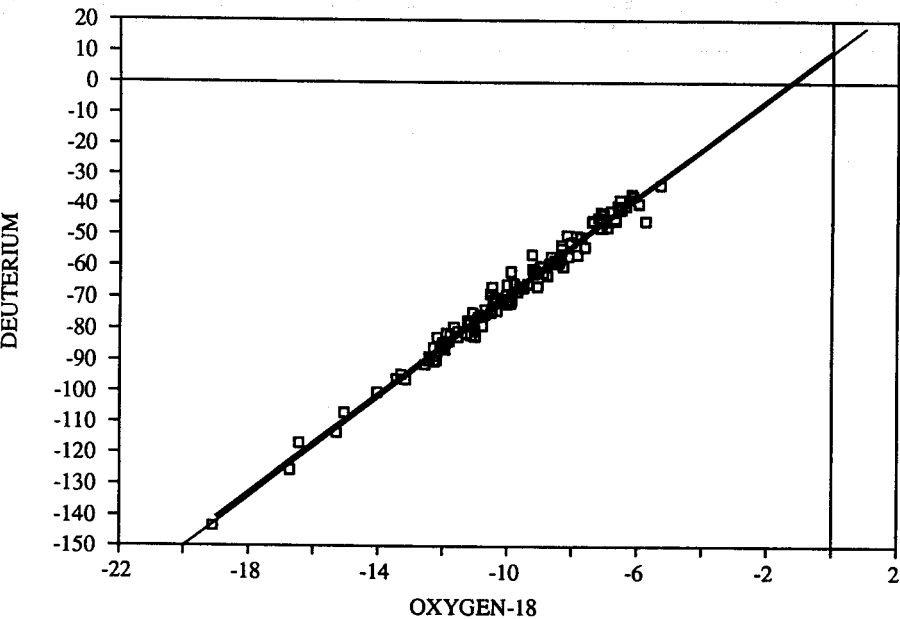
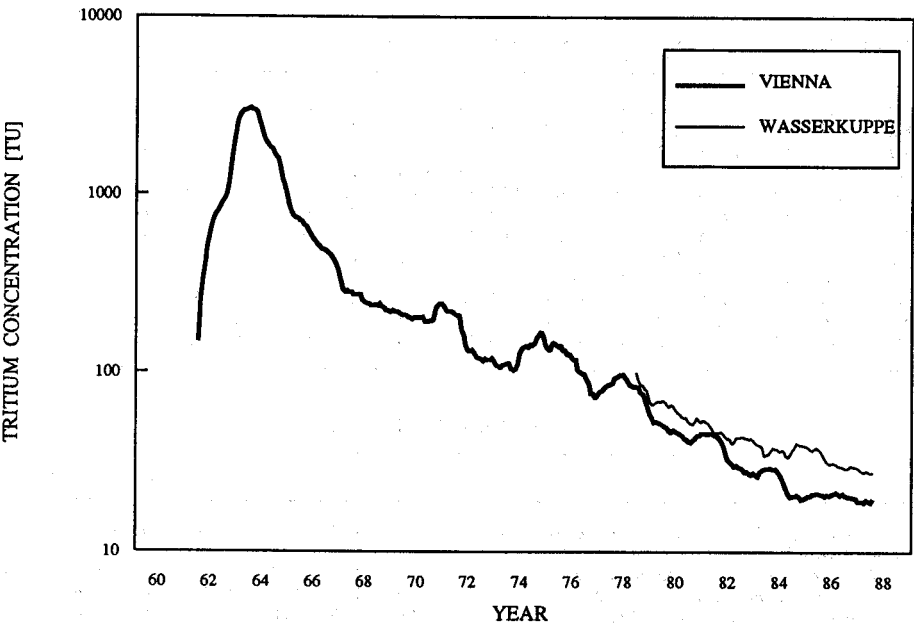
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	91	10	-10.96	2.01	10	-77.4	14.4	10	10.2	2.2	10	-5.6	2.6	4			
Feb	47	10	-11.84	2.75	10	-84.1	22.6	10	10.7	2.5	10	-5.7	3.3	4			
Mar	95	10	-10.83	1.20	10	-77.1	9.1	10	9.5	1.9	10	-2.1	1.8	4			
Apr	74	10	-11.33	2.26	10	-80.2	19.4	10	10.5	2.8	10	3.5	1.6	4			
May	110	10	-10.85	2.10	10	-76.6	17.1	10	10.3	2.1	10	7.9	2.6	4			
Jun	117	10	-9.05	1.49	10	-61.9	13.4	10	10.5	2.2	10	9.9	1.6	4			
Jul	126	10	-7.65	1.47	10	-52.4	11.2	10	8.8	3.2	10	12.8	0.7	4			
Aug	95	10	-7.52	0.93	10	-49.6	6.3	10	10.6	2.7	10	12.6	0.9	4			
Sep	91	10	-7.47	1.67	10	-47.6	13.8	10	12.1	1.2	10	9.4	1.8	4			
Oct	84	10	-9.48	3.22	10	-64.0	25.2	10	11.8	2.7	10	6.5	0.4	4			
Nov	91	10	-10.70	1.22	10	-73.0	9.6	10	12.6	2.3	10	1.2	3.4	4			
Dec	106	10	-10.80	1.85	10	-74.4	14.8	10	11.9	2.7	10	-0.8	1.0	4			

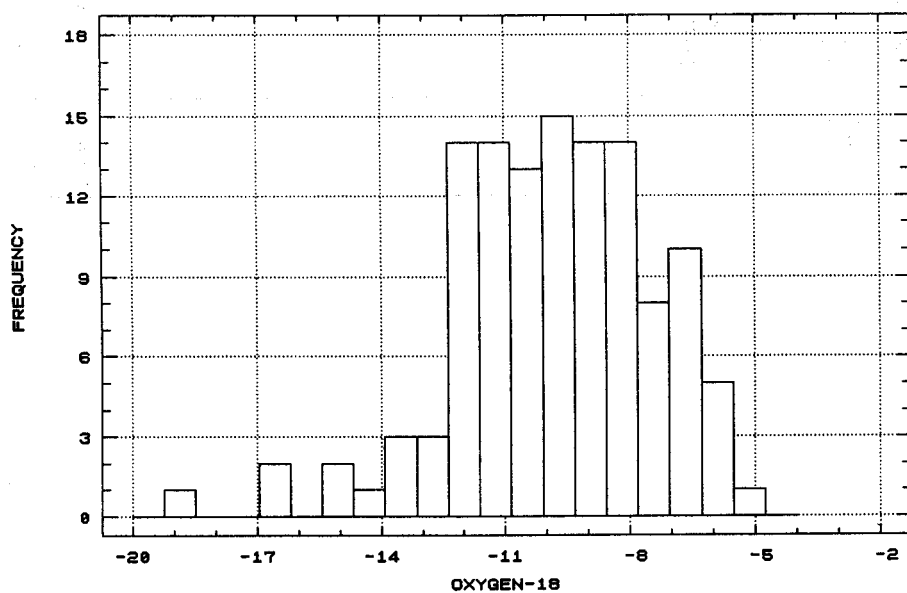
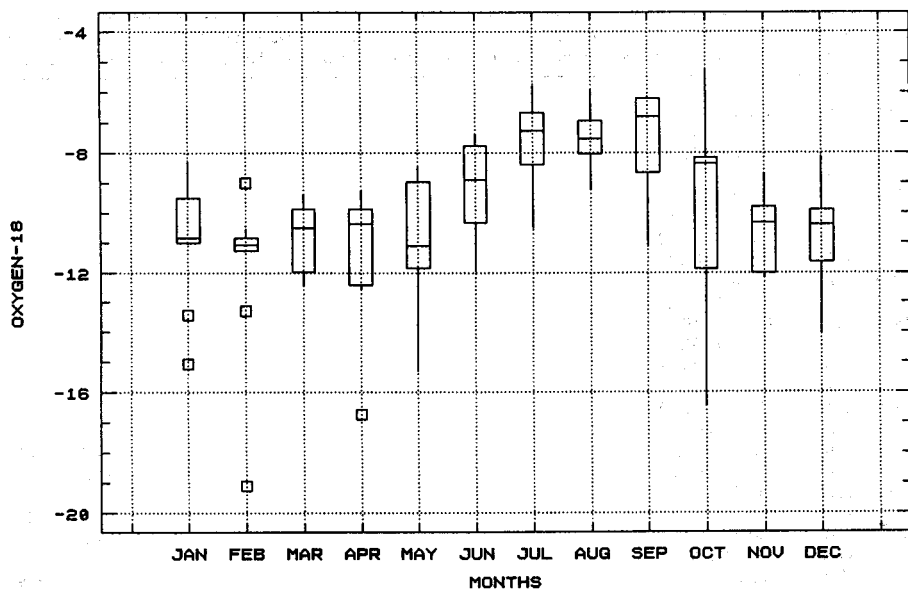
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	112	0.67	0.05	0.64	0.07	0.653	0.13
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.82	0.07	0.39	0.10	0.956	0.04
3) Monthly Deut vs. Monthly Precipitation	120	0.03	0.04	-70.71	3.98	0.004	19.33
4) Monthly Oxyg-18 vs. Monthly Prec	120	0.00	0.00	-10.26	0.50	0.006	2.41
5) Monthly Deut vs. Monthly Temperature	48	2.09	0.36	-78.95	2.77	0.431	16.28
6) Monthly Oxyg-18 vs. Monthly Temp	48	0.26	0.04	-11.11	0.35	0.436	2.03
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	120	7.94	0.10	10.17	0.99	0.982	2.57
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	120	8.01	0.10	10.87	1.01	0.982	2.57

1054400 WASSERKUPPE RHÖN, GERMANY

Lat. 50.50N Long. 9.95E Alt. 921 m a.s.l.





1058201 FREIBERG, GERMANY

Lat. 50.55N Long. 13.21E Alt. 300 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	586 (12)	157.9 (86.5/10)	138.9								
1970	916 (12)	277.0 (93.7/11)	261.2								
1971	691 (12)	325.6 (78.8/8)	279.2								
1972	559 (12)	130.3 (100.0/12)	117.2								
1973	703 (12)	97.6 (100.0/12)	95.5								
1974	935 (12)	108.2 (100.0/12)	103.7								
1975	624 (11)	247.7 (82.7/12)	281.9								
1976	570 (12)	73.4 (100.0/12)	79.6								
1980	901 (12)	42.5 (100.0/12)	43.2							7.2 (12)	8.5 (12)
1981	1026 (12)	46.8 (100.0/12)	50.2							8.1 (12)	9.1 (12)
1982	549 (12)	30.3 (100.0/12)	29.0							9.0 (12)	9.1 (12)
1983	792 (12)	28.0 (100.0/12)	29.5							9.0 (12)	6.9 (12)
1984	737 (12)	26.7 (94.5/11)	24.9							7.5 (12)	8.7 (12)
1985	730 (12)	21.3 (100.0/12)	20.7							7.3 (12)	8.7 (12)
1986	901 (12)	20.2 (100.0/12)	19.8							7.9 (12)	6.8 (12)
1987	883 (12)	24.7 (100.0/12)	23.4							7.1 (12)	6.6 (12)
Long Term											
Means 753											7.9 0.7
σ											8.0 1.0

MONTHLY MEANS

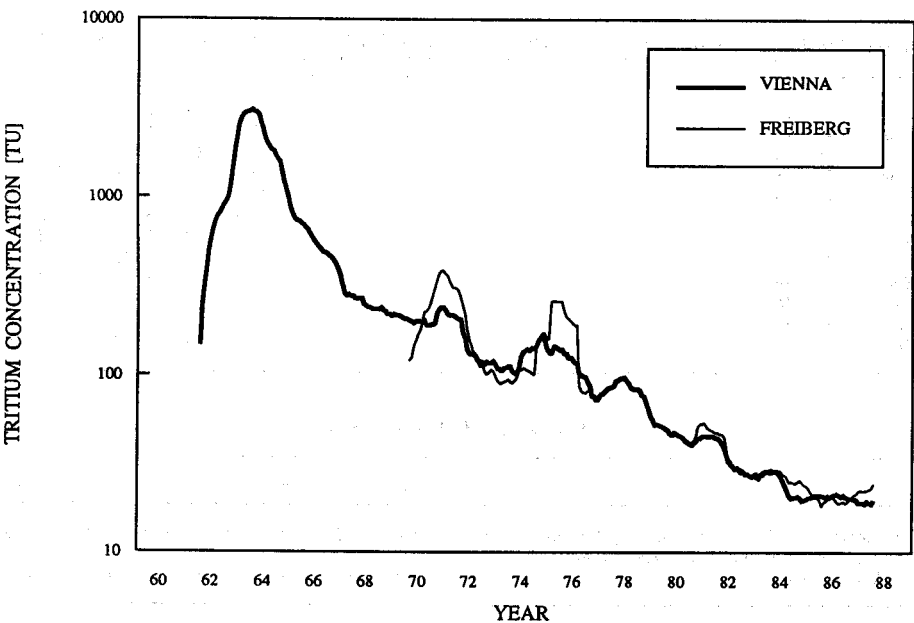
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	63	16										-2.2	3.6	8	4.2	0.8	8
Feb	43	16										-2.1	3.1	8	4.1	0.9	8
Mar	46	16										3.0	2.7	8	5.3	1.3	8
Apr	67	16										6.8	1.6	8	6.3	0.7	8
May	74	16										12.1	1.8	8	9.1	1.7	8
Jun	73	16										14.8	1.1	8	11.2	1.5	8
Jul	81	16										16.8	1.6	8	12.7	1.8	8
Aug	89	16										16.4	0.8	8	12.8	1.9	8
Sep	48	16										13.5	1.5	8	10.9	1.9	8
Oct	57	16										9.3	0.9	8	8.2	1.4	8
Nov	53	15										4.2	2.1	8	6.1	0.9	8
Dec	62	16										1.3	1.9	8	5.0	0.9	8

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	174	0.92	0.03	0.14	0.06	0.818	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	15	1.00	0.08	0.01	0.15	0.927	0.12

1058201 FREIBERG, GERMANY

Lat. 50.55N Long. 13.21E Alt. 300 m a.s.l.



1060900 TRIER, GERMANY

Lat. 49.75N Long. 6.07E Alt. 273 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1978	802	115.3	134.9	-8.34	-8.16	-59.2	-57.4	7.6	7.9		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1979	924	76.7	76.8	-8.49	-8.61	-58.0	-58.2	10.0	10.8		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1980	902	64.7	64.9	-7.47	-7.70	-52.8	-54.8	7.1	6.9		
	(12)	(100.0/12)		(93.9/11)		(93.9/11)		(93.9/11)			
1981	864	50.9	56.2	-8.24	-8.00	-59.8	-58.3	6.2	5.7		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1982	798	46.8	47.3	-7.73	-6.93	-54.4	-48.5	7.5	7.0		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1983	731	43.5	45.5	-6.96	-6.19	-50.0	-44.5	5.7	5.1		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1984	967	37.9	38.6	-8.37	-8.30	-61.3	-61.0	5.7	5.5	9.0	
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	
1985	706	31.9	31.2	-6.87	-6.83	-48.7	-48.0	6.3	6.6	8.3	
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	
1986	746	23.9	26.2	-7.21	-6.98	-53.1	-51.3	4.6	4.6	8.9	
	(12)	(92.8/11)		(92.8/11)		(92.8/11)		(92.8/11)		(12)	
1987	854	33.1	32.2	-7.30	-7.09	-51.8	-50.7	6.6	6.1	8.5	
	(12)	(95.7/11)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	
Long Term											
Means 829				-7.75	-7.48	-55.2	-53.3	6.8	6.6	8.7	
σ				0.62	0.78	4.4	5.4	1.5	1.7	0.3	

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	66	10	-9.02	3.09	10	-64.9	22.9	10	7.2	3.3	10	-1.1	3.7	4			
Feb	42	10	-9.19	2.15	10	-69.6	17.1	10	3.9	3.0	10	-0.8	2.8	4			
Mar	80	10	-7.71	0.91	10	-55.5	6.7	10	6.2	2.4	10	3.4	1.1	4			
Apr	61	10	-8.51	2.84	10	-62.1	21.9	10	5.9	1.8	10	8.3	2.0	4			
May	81	10	-7.08	1.77	10	-50.7	14.3	10	5.9	2.0	10	12.0	2.2	4			
Jun	73	10	-6.77	0.91	10	-46.5	9.0	10	7.6	3.3	10	15.1	1.6	4			
Jul	66	10	-5.46	1.43	10	-37.2	12.3	10	6.4	2.8	10	17.6	0.5	4			
Aug	72	10	-5.46	1.30	9	-36.3	8.6	9	7.4	2.1	9	16.6	0.9	4			
Sep	73	10	-6.60	2.02	9	-44.7	17.4	9	8.1	1.9	9	13.9	1.6	4			
Oct	73	10	-6.44	2.81	10	-44.4	22.0	10	7.2	2.6	10	10.5	0.8	4			
Nov	62	10	-8.45	1.20	10	-60.8	10.7	10	6.8	3.7	10	4.7	2.6	4			
Dec	80	10	-8.74	1.57	10	-63.3	12.7	10	6.7	2.6	10	3.1	0.9	4			

CORRELATIONS

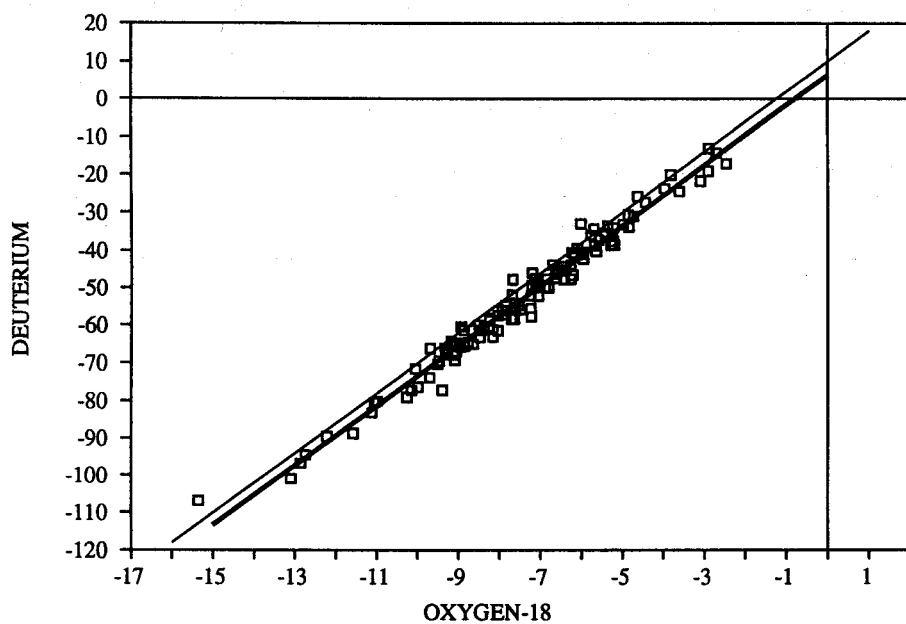
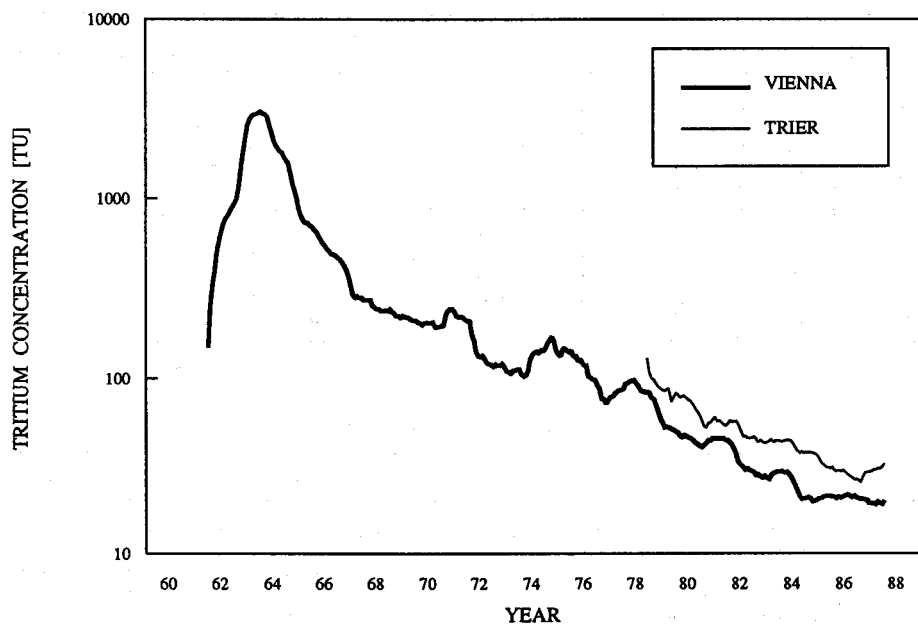
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	110	0.83	0.06	0.43	0.09	0.651	0.15
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.91	0.10	0.28	0.16	0.922	0.06
3) Monthly Deut vs. Monthly Precipitation	118	-0.11	0.05	-45.31	3.73	0.046	18.01
4) Monthly Oxyg-18 vs. Monthly Prec	118	-0.02	0.01	-6.40	0.46	0.055	2.22
5) Monthly Deut vs. Monthly Temperature	47	0.88	0.33	-60.16	3.47	0.141	14.54
6) Monthly Oxyg-18 vs. Monthly Temp	47	0.11	0.04	-8.21	0.42	0.141	1.77
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	118	7.98	0.11	6.45	0.88	0.977	2.77
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	118	8.07	0.11	7.13	0.91	0.977	2.77

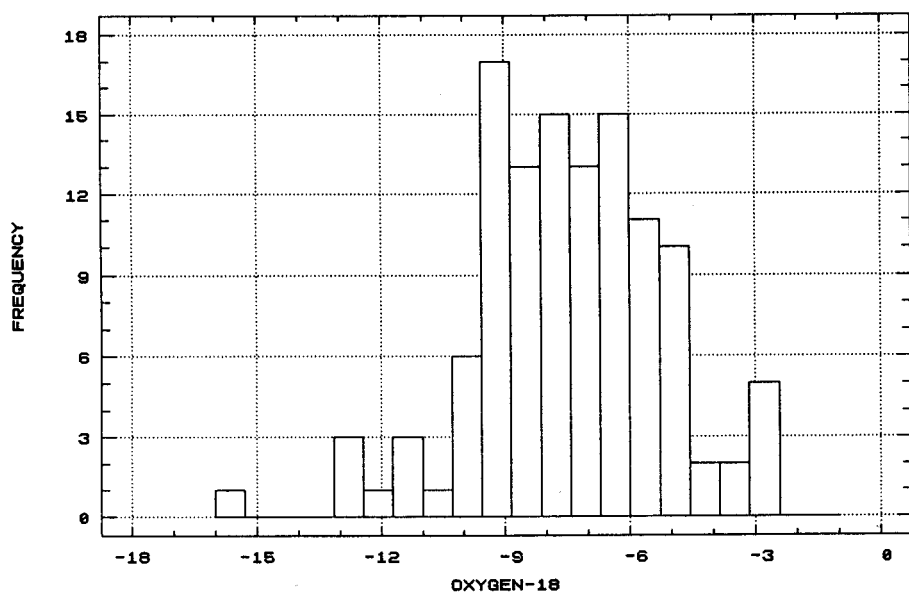
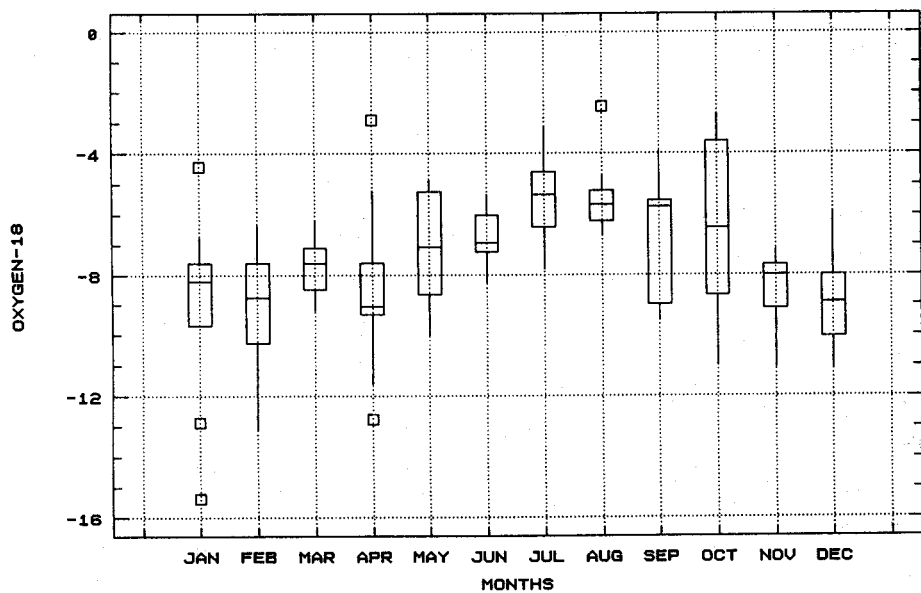
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
80 / 9	-4.22	-47.7		

1060900 TRIER, GERMANY

Lat. 49.75N Long. 6.07E Alt. 273 m a.s.l.





1065500 WÜRZBURG, GERMANY

Lat. 49.80N Long. 9.90E Alt. 259 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1977	665 (12)	103.8 (92.7/11)	103.9								
1978	604 (12)	115.8 (100.0/12)	134.7	-9.54 (100.0/12)	-9.78	-69.0 (100.0/12)	-71.1	7.4 (100.0/12)	7.2		
1979	643 (12)	76.5 (100.0/12)	78.1	-8.81 (100.0/12)	-8.92	-61.0 (100.0/12)	-62.6	9.5 (100.0/12)	8.8		
1980	498 (12)	61.7 (100.0/12)	59.2	-7.90 (100.0/12)	-7.93	-58.9 (100.0/12)	-58.9	4.4 (100.0/12)	4.7		
1981	782 (12)	54.9 (100.0/12)	57.3	-9.23 (100.0/12)	-9.23	-68.6 (100.0/12)	-69.1	5.3 (100.0/12)	4.7		
1982	499 (12)	40.8 (100.0/12)	42.2	-7.93 (100.0/12)	-7.81	-60.2 (100.0/12)	-58.0	3.3 (100.0/12)	4.5		
1983	539 (12)	39.6 (100.0/12)	38.9	-6.07 (100.0/12)	-5.40	-45.1 (100.0/12)	-40.7	3.5 (100.0/12)	2.6		
1984	561 (12)	35.6 (100.0/12)	32.6	-8.90 (100.0/12)	-9.12	-65.8 (100.0/12)	-67.9	5.4 (100.0/12)	5.1	8.6 (12)	
1985	513 (12)	26.3 (100.0/12)	26.2	-7.33 (100.0/12)	-7.28	-53.5 (100.0/12)	-52.8	5.2 (100.0/12)	5.5	7.8 (12)	
1986	742 (12)	25.7 (100.0/12)	25.6	-7.48 (100.0/12)	-8.07	-53.3 (100.0/12)	-58.3	6.6 (100.0/12)	6.3	8.7 (12)	
1987	690 (12)	33.6 (100.0/12)	34.2	-7.39 (100.0/12)	-7.13	-51.6 (100.0/12)	-50.3	7.5 (100.0/12)	6.8	8.3 (12)	
Long Term											
Means 612				-8.10	-8.07	-58.9	-59.0	6.0	5.6	8.3	
σ				1.06	1.28	7.8	9.3	1.9	1.7	0.4	

MONTHLY MEANS

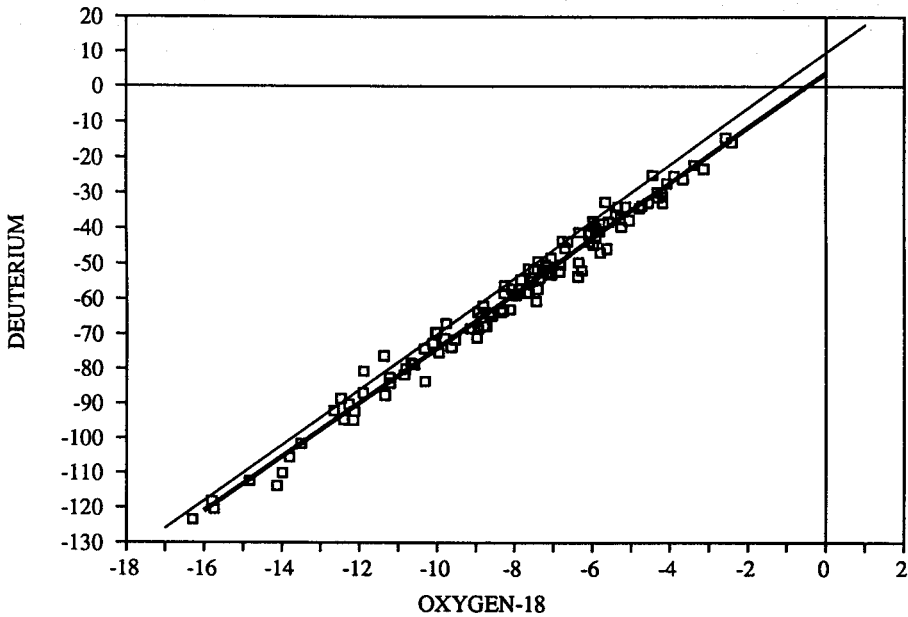
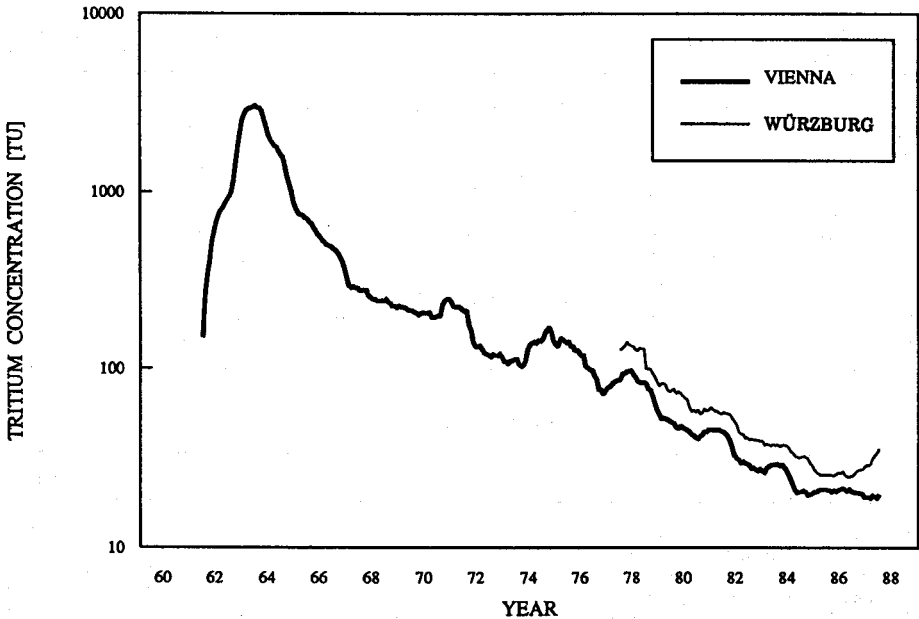
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	50	11	-9.25	4.29	10	-69.1	33.1	10	4.9	2.3	10	-2.1	3.8	4			
Feb	36	11	-11.11	3.69	10	-84.6	28.3	10	4.3	4.2	10	-2.2	3.0	4			
Mar	44	11	-8.97	3.52	10	-67.6	27.0	10	4.2	3.5	10	2.7	1.4	4			
Apr	38	11	-7.86	2.67	10	-58.7	20.6	10	4.2	2.1	10	8.7	1.5	4			
May	65	11	-7.45	1.60	10	-54.2	13.7	10	5.4	2.1	10	12.9	2.6	4			
Jun	68	11	-7.33	1.70	10	-52.2	14.6	10	6.4	3.1	10	15.3	1.3	4			
Jul	52	11	-5.69	1.45	10	-39.3	10.5	10	6.2	2.8	10	17.9	0.7	4			
Aug	60	11	-5.83	1.11	10	-41.7	9.2	10	4.9	2.9	10	17.2	0.6	4			
Sep	44	11	-5.82	1.41	10	-39.3	10.4	10	7.3	2.7	10	13.8	1.8	4			
Oct	48	11	-7.97	2.42	10	-58.1	19.3	10	5.6	3.8	10	9.7	0.7	4			
Nov	43	11	-9.33	2.02	10	-66.8	12.8	10	7.8	4.9	10	3.4	3.4	4			
Dec	64	11	-10.15	2.53	10	-75.6	19.6	10	5.6	2.7	10	2.3	0.9	4			

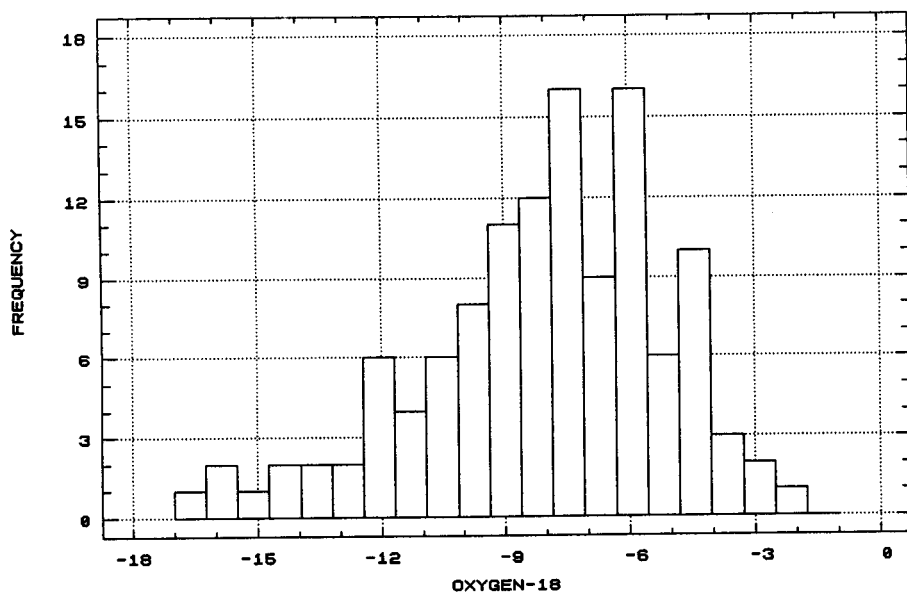
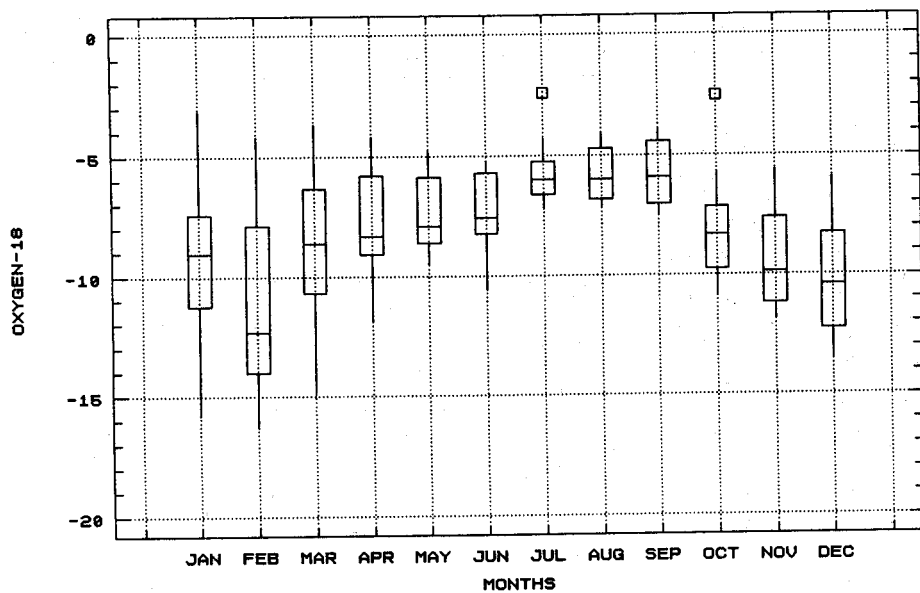
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	123	0.85	0.04	0.38	0.07	0.756	0.13
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	10	0.91	0.07	0.27	0.12	0.952	0.05
3) Monthly Deut vs. Monthly Precipitation	120	0.00	0.08	-59.06	4.55	0.000	23.50
4) Monthly Oxyg-18 vs. Monthly Prec	120	-0.00	0.01	-7.93	0.58	0.001	2.98
5) Monthly Deut vs. Monthly Temperature	48	1.58	0.42	-70.42	4.59	0.237	20.84
6) Monthly Oxyg-18 vs. Monthly Temp	48	0.19	0.05	-9.44	0.58	0.210	2.64
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	120	7.81	0.10	4.00	0.85	0.981	3.21
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	120	7.88	0.10	4.59	0.89	0.981	3.21

1065500 WÜRZBURG, GERMANY

Lat. 49.80N Long. 9.90E Alt. 259 m a.s.l.





1072700 KARLSRUHE, GERMANY

Lat. 49.02N Long. 8.38E Alt. 120 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1977	740 (12)	102.8 (100.0/12)	117.3								
1978	956 (12)	126.6 (100.0/12)	120.9								
1979	696 (12)	97.0 (100.0/12)	101.2								
1980	835 (12)	67.3 (100.0/12)	61.7								
1981	1015 (12)	96.9 (100.0/12)	74.6	-8.84 (52.8/8)	-8.73	-64.6 (52.8/8)	-64.4	6.1 (52.8/8)	5.5		
1982	988 (12)	49.5 (100.0/12)	48.5	-8.84 (100.0/12)	-8.29	-61.4 (100.0/12)	-56.8	9.4 (100.0/12)	9.6		
1983	755 (12)	61.5 (100.0/12)	67.4	-7.94 (100.0/12)	-7.45	-56.6 (100.0/12)	-52.9	6.9 (100.0/12)	6.7		
1984	829 (12)	44.1 (100.0/12)	42.5	-9.29 (100.0/12)	-9.39	-65.3 (100.0/12)	-65.9	9.1 (100.0/12)	9.3	9.9 (12)	
1985	735 (12)	30.2 (100.0/12)	31.2	-8.79 (100.0/12)	-8.33	-63.2 (100.0/12)	-59.6	7.2 (100.0/12)	7.1	9.4 (12)	
1986	966 (12)	34.1 (100.0/12)	34.8	-7.98 (100.0/12)	-8.98	-55.4 (100.0/12)	-63.6	8.4 (100.0/12)	8.3	10.2 (12)	
1987	847 (12)	35.0 (96.3/11)	33.9	-8.04 (96.3/11)	-8.22	-57.1 (96.3/11)	-58.1	7.2 (96.3/11)	7.7	9.8 (12)	
Long Term											
Means 851				-8.48	-8.44	-59.8	-59.5	8.1	8.1	9.8	
σ				0.57	0.67	4.0	4.6	1.1	1.1	0.3	

MONTHLY MEANS

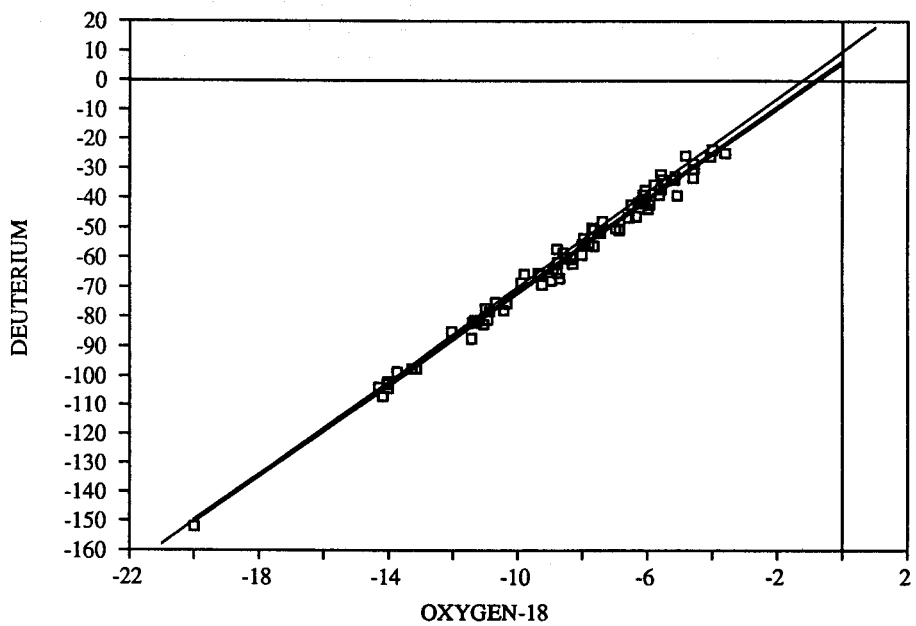
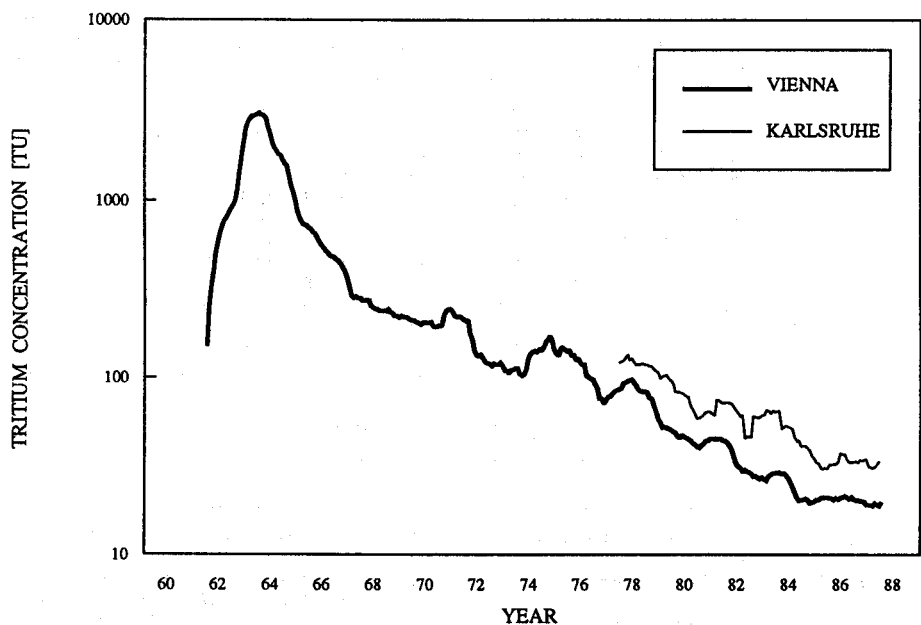
Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	<i>n</i>		Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	74	11		-9.68	1.96	7	-69.2	15.7	7	8.3	2.1	7	-0.3	4.1	4			
Feb	58	11		-12.68	3.53	7	-93.0	28.5	7	8.5	2.3	7	-0.2	2.8	4			
Mar	53	11		-9.29	2.47	7	-67.8	19.8	7	6.5	2.0	7	4.6	1.1	4			
Apr	59	11		-9.72	3.45	7	-70.0	27.3	7	7.8	3.1	7	9.8	1.6	4			
May	105	11		-8.33	1.39	7	-60.7	11.8	7	6.0	2.0	7	13.5	2.3	4			
Jun	96	11		-6.63	0.91	7	-46.3	7.7	7	6.7	1.5	7	16.7	1.5	4			
Jul	81	11		-5.53	0.78	7	-37.3	6.1	7	7.0	2.1	7	19.5	0.6	4			
Aug	57	11		-5.18	0.88	7	-35.0	6.1	7	6.4	3.6	7	18.8	0.2	4			
Sep	53	11		-6.08	1.93	6	-39.0	13.5	6	9.7	2.2	6	15.4	2.0	4			
Oct	77	11		-8.43	3.62	6	-57.6	28.6	6	9.8	2.3	6	10.9	0.9	4			
Nov	59	11		-9.38	1.69	6	-65.4	13.4	6	9.6	1.4	6	5.3	2.3	4			
Dec	78	11		-11.28	2.54	5	-81.9	18.7	5	8.3	4.1	5	3.6	0.8	4			

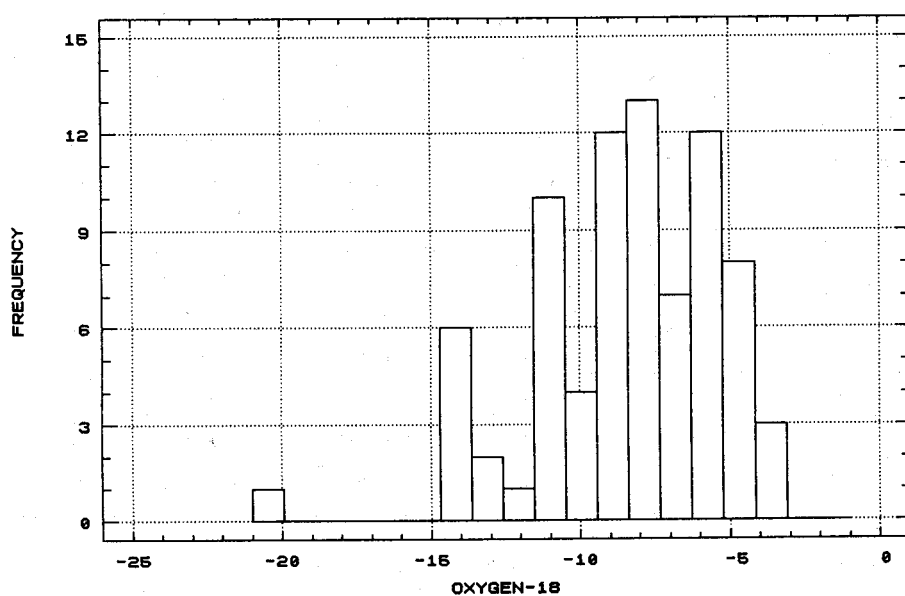
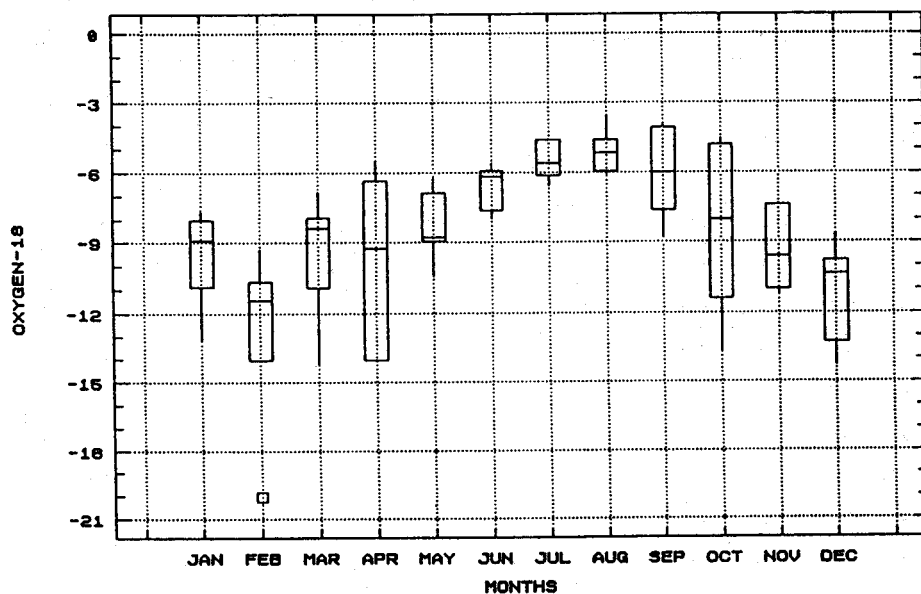
CORRELATIONS

	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	123	0.78	0.05	0.55	0.08	0.627	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	10	0.84	0.12	0.47	0.19	0.865	0.09
3) Monthly Deut vs. Monthly Precipitation	79	-0.01	0.08	-59.07	6.06	0.000	24.40
4) Monthly Oxyg-18 vs. Monthly Prec	79	-0.00	0.01	-8.32	0.77	0.001	3.10
5) Monthly Deut vs. Monthly Temperature	47	2.66	0.38	-88.25	4.66	0.517	18.45
6) Monthly Oxyg-18 vs. Monthly Temp	47	0.34	0.05	-12.13	0.58	0.531	2.31
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	79	7.82	0.09	6.31	0.85	0.989	2.58
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	79	7.87	0.09	6.68	0.89	0.989	2.58

1072700 KARLSRUHE, GERMANY

Lat. 49.02N Long. 8.38E Alt. 120 m a.s.l.





1073900 STUTTGART (CANNSTATT), GERMANY

Lat. 48.83N Long. 9.20E Alt. 315 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	587 (12)	82.9 (85.1/10)	80.3	-6.46 (92.5/11)	-6.87	-45.6 (87.5/10)	-49.2	6.5 (87.5/10)	6.8	10.3 (12)	10.3 (12)
1962	564 (12)	753.7 (100.0/12)	671.1	-7.73 (100.0/12)	-8.64	-57.0 (100.0/12)	-63.4	4.8 (100.0/12)	5.8	8.5 (12)	8.7 (12)
1963	597 (12)	3387.6 (99.8/11)	2931.4	-8.15 (100.0/12)	-8.89	-59.5 (100.0/12)	-65.7	5.7 (100.0/12)	5.5	8.2 (12)	9.3 (12)
1964	472 (12)	1734.8 (83.8/10)	1647.3	-8.32 (97.6/11)	-8.74	-61.0 (97.6/11)	-63.5	5.6 (97.6/11)	6.5	9.6 (12)	9.5 (12)
1965	940 (12)	790.7 (85.0/10)	660.7	-8.38 (90.5/11)	-8.63	-59.9 (90.5/11)	-61.4	7.2 (90.5/11)	7.7	8.7 (12)	9.3 (12)
1966	748 (12)	775.2 (91.0/10)	604.8	-12.22 (8.1/2)	-11.82					9.8 (12)	10.0 (12)
1967	652 (12)	236.7 (50.4/7)	208.5							9.8 (12)	9.8 (12)
1968	896 (12)									9.0 (12)	9.6 (12)
1969	589 (12)									8.9 (12)	9.5 (12)
1970	695 (12)	202.7 (34.6/6)	191.5							9.1 (12)	9.7 (12)
1971	503 (12)	300.6 (94.4/11)	243.2							9.6 (12)	9.4 (12)
1972	513 (12)	155.7 (100.0/12)	129.9	-15.39 (0.1/1)	-15.39	-112.8 (0.1/1)	-112.8	10.4 (0.1/1)	10.4	8.8 (12)	9.2 (12)
1973	597 (12)	152.8 (100.0/12)	157.5	-7.57 (100.0/12)	-8.13	-53.7 (100.0/12)	-57.7	6.9 (100.0/12)	7.4	9.2 (12)	9.4 (12)
1974	701 (12)	190.7 (100.0/12)	179.3	-8.16 (100.0/12)	-8.30	-54.9 (100.0/12)	-56.2	10.4 (100.0/12)	10.3	10.0 (12)	9.7 (12)
1975	626 (12)	383.6 (100.0/12)	401.6	-8.58 (100.0/12)	-9.13	-57.8 (100.0/12)	-61.8	10.8 (100.0/12)	11.3	9.8 (12)	10.0 (12)
1976	536 (12)	147.0 (100.0/12)	143.4	-9.09 (100.0/12)	-9.44	-64.1 (100.0/12)	-67.1	8.7 (100.0/12)	8.5	9.9 (12)	8.7 (12)
1978	901 (12)	126.5 (100.0/12)	111.5	-9.37 (100.0/12)	-9.54	-69.1 (100.0/12)	-70.9	5.9 (100.0/12)	5.5	8.9 (12)	8.8 (12)
1979	581 (12)	77.4 (100.0/12)	75.5	-8.24 (100.0/12)	-8.41	-62.0 (100.0/12)	-63.6	4.0 (100.0/12)	3.7	9.5 (12)	9.6 (12)
1980	539 (12)	60.2 (100.0/12)	55.8	-6.84 (100.0/12)	-6.91	-52.7 (100.0/12)	-53.6	2.1 (100.0/12)	1.7	9.1 (12)	9.1 (12)
1981	670 (12)	54.9 (100.0/12)	56.0	-8.78 (92.2/10)	-8.32	-69.2 (92.2/10)	-65.8	1.1 (92.2/10)	0.7		
1982	722 (12)	44.7 (100.0/12)	42.3	-8.52 (100.0/12)	-8.76	-63.7 (100.0/12)	-66.5	4.6 (100.0/12)	3.7		
1983	711 (12)	50.6 (100.0/12)	51.7	-6.85 (100.0/12)	-6.14	-53.5 (100.0/12)	-48.5	1.4 (100.0/12)	0.7		
1984	615 (12)	38.3 (100.0/12)	35.0	-9.07 (100.0/12)	-9.11	-66.7 (100.0/12)	-67.1	5.9 (100.0/12)	5.8	9.2 (12)	
1985	566 (12)	27.6 (100.0/12)	27.5	-7.17 (100.0/12)	-6.76	-51.3 (100.0/12)	-48.1	6.1 (100.0/12)	6.1	9.1 (12)	
1986	776 (12)	31.2 (100.0/12)	29.1	-6.84 (100.0/12)	-6.92	-49.6 (100.0/12)	-49.9	5.2 (100.0/12)	5.5	9.4 (12)	
1987	745 (12)	34.0 (100.0/12)	29.9	-7.53 (100.0/12)	-7.90	-54.5 (100.0/12)	-57.2	5.8 (100.0/12)	6.1	9.1 (12)	

Long Term

Means 655

σ

-8.01	-8.19	-58.4	-59.9	5.7	5.8	9.3	9.4
0.86	1.00	6.6	7.1	2.6	2.8	0.5	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	39	26	-10.66	3.22	19	-77.3	25.0	18	5.9	5.4	18	0.1	2.8	26	5.4	0.9	23
Feb	31	26	-11.19	2.90	19	-86.0	22.4	18	4.7	4.6	18	1.4	2.7	26	5.6	0.9	23
Mar	38	26	-9.12	2.44	18	-70.6	17.1	17	4.0	4.9	17	4.9	1.9	26	6.4	0.8	23
Apr	52	26	-8.87	1.91	19	-65.7	14.2	19	5.3	4.4	19	9.0	1.5	26	7.7	1.0	23
May	88	26	-7.01	2.06	19	-51.4	16.8	19	4.8	2.9	19	13.0	1.4	26	10.4	0.7	23
Jun	91	26	-6.39	1.93	19	-46.2	15.0	19	4.9	4.7	19	16.4	1.2	26	13.1	1.0	23
Jul	65	26	-5.37	1.03	18	-37.1	8.5	18	5.8	3.2	18	18.4	1.7	26	14.4	1.0	23
Aug	79	26	-5.72	1.56	19	-40.6	11.9	19	5.1	2.1	19	17.7	1.1	26	14.5	1.0	22
Sep	52	26	-6.22	1.99	18	-42.5	14.9	18	7.3	3.4	18	14.8	1.5	26	12.9	1.3	23
Oct	40	26	-8.02	2.82	19	-56.4	21.7	19	7.7	4.4	19	9.8	1.5	26	9.9	1.1	23
Nov	44	26	-9.65	3.17	19	-70.2	23.8	19	7.0	4.6	19	4.8	1.6	24	7.1	0.7	21
Dec	37	26	-10.40	2.86	20	-77.0	23.1	20	6.2	5.6	20	1.3	2.5	23	5.6	1.0	19

CORRELATIONS

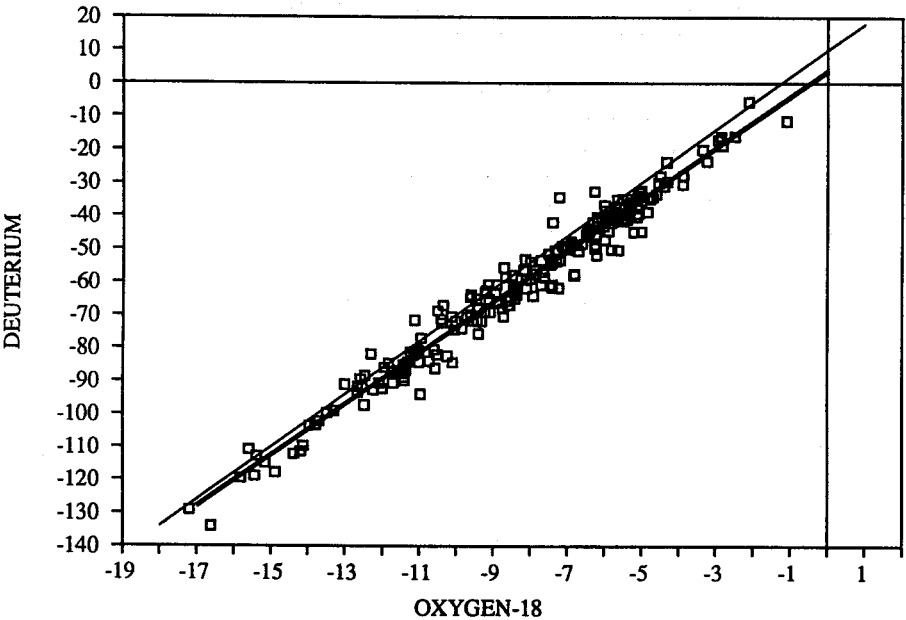
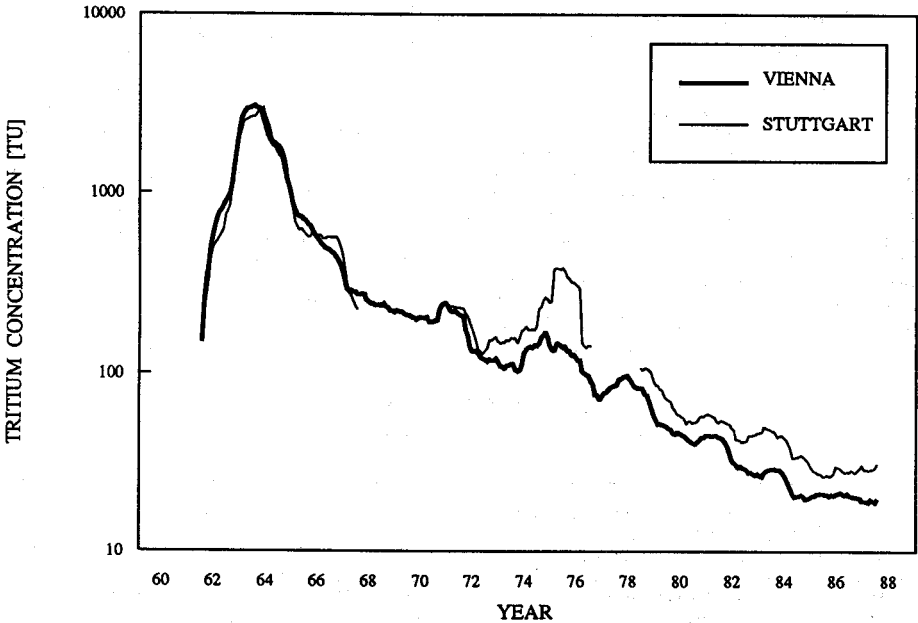
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	252	0.87	0.02	0.36	0.03	0.921	0.16
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	21	0.90	0.04	0.31	0.08	0.970	0.11
3) Monthly Deut vs. Monthly Precipitation	223	0.08	0.05	-64.60	3.08	0.013	23.93
4) Monthly Oxyg-18 vs. Monthly Prec	226	0.01	0.01	-8.84	0.39	0.014	3.06
5) Monthly Deut vs. Monthly Temperature	218	2.37	0.18	-82.03	2.07	0.451	17.76
6) Monthly Oxyg-18 vs. Monthly Temp	221	0.30	0.02	-11.02	0.27	0.439	2.30
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	223	7.75	0.09	3.69	0.83	0.968	4.28
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	223	7.88	0.09	4.72	0.87	0.968	4.28

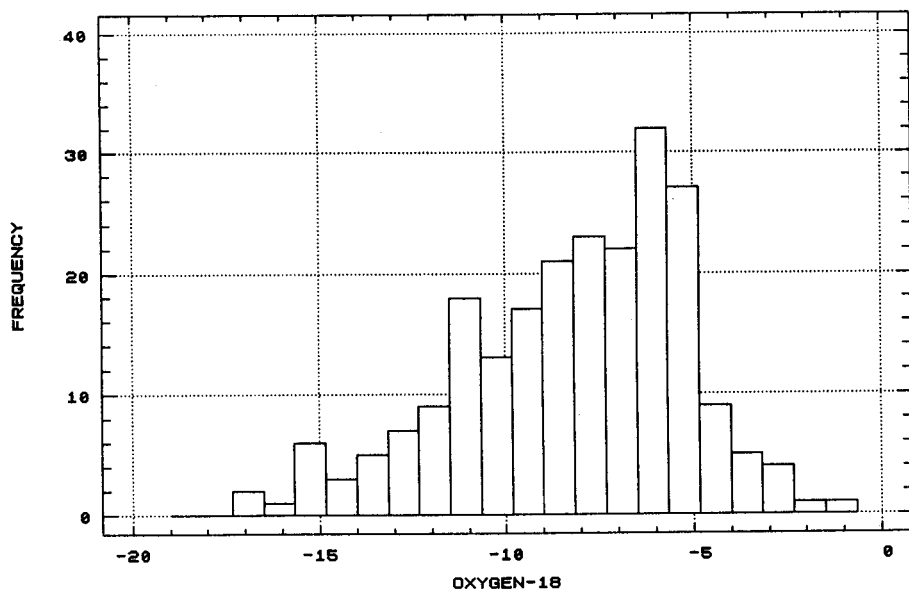
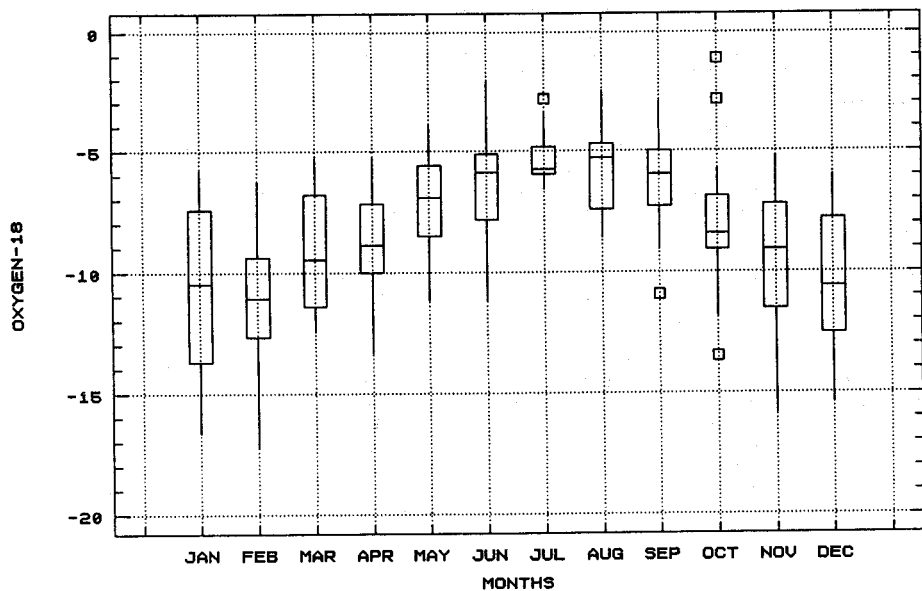
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
64 / 7	1.70	1.2		
65 / 9	-9.34	-28.0		
81 / 2	-7.01	-69.4		
81 / 3	-2.97	-38.3		

1073900 STUTTGART (CANNSTATT), GERMANY

Lat. 48.83N Long. 9.20E Alt. 315 m a.s.l.





1077600 REGENSBURG, GERMANY

Lat. 49.02N Long. 12.07E Alt. 377 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1978	680	105.9	95.5	-10.81	-11.52	-81.2	-87.5	5.4	4.7		
	(12)		(93.8/11)		(93.8/11)		(93.8/11)		(93.8/11)		
1979	646	64.6	63.2	-10.85	-10.99	-79.9	-81.5	7.0	6.5		
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		
1980	621	54.6	52.0	-11.03	-10.81	-76.0	-75.4	12.3	11.2		
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		
1981	622	50.4	56.7	-11.30	-10.89	-84.8	-82.6	5.7	4.6		
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		
1982	545	38.8	37.8	-9.31	-9.56	-66.1	-67.9	8.4	8.6		
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		
1983	562	40.6	43.9	-9.51	-9.37	-70.9	-70.0	5.2	5.0		
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		
1984	603	36.3	32.2	-10.18	-11.06	-75.5	-82.3	6.0	6.2	7.7	
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	
1985	627	24.9	24.6	-9.85	-10.43	-73.3	-77.8	5.5	5.7	7.4	
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	
1986	731	24.4	22.7	-8.84	-9.27	-65.4	-69.2	5.4	5.0	8.0	
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	
1987	755	26.4	24.1	-8.81	-9.01	-63.9	-65.8	6.6	6.3	7.7	
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	
Long Term											
Means 639				-10.02	-10.29	-73.5	-76.0	6.7	6.4	7.7	
σ				0.92	0.90	7.1	7.4	2.2	2.0	0.2	

MONTHLY MEANS

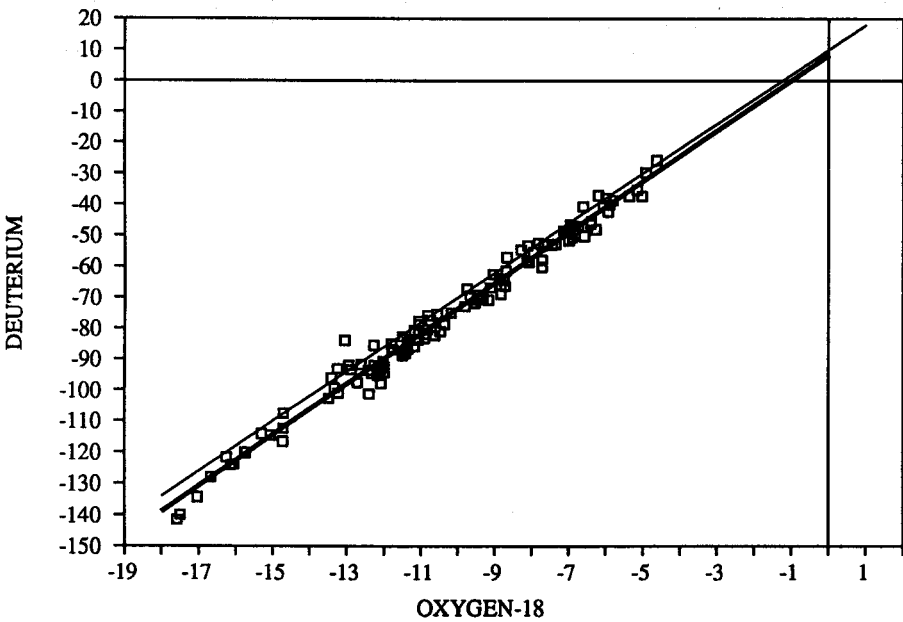
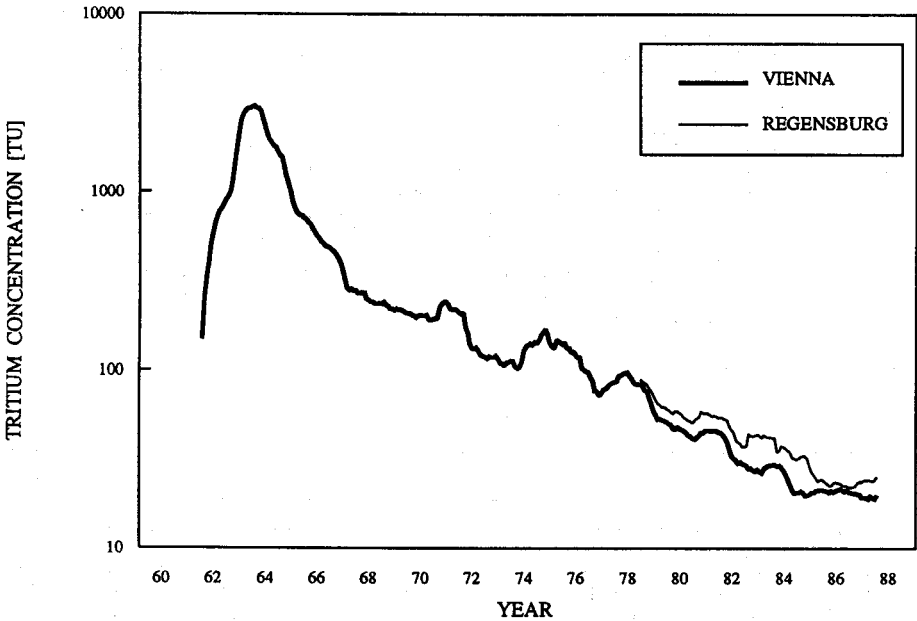
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	52	10	-12.78	2.53	10	-96.9	20.7	10	5.3	3.2	10	-3.3	3.3	4			
Feb	30	10	-14.11	2.25	10	-109.0	20.0	10	3.8	3.7	10	-3.4	2.3	4			
Mar	41	10	-12.01	2.16	10	-91.1	18.5	10	5.0	3.8	10	0.5	2.9	4			
Apr	36	10	-11.26	3.02	10	-83.6	25.5	10	6.5	6.2	10	8.2	1.1	4			
May	73	10	-10.22	1.88	10	-75.5	14.3	10	6.3	2.9	10	12.7	2.4	4			
Jun	73	10	-8.11	1.31	10	-59.2	9.4	10	5.6	3.0	10	15.0	1.0	4			
Jul	65	10	-7.13	1.11	10	-50.0	10.3	10	7.0	3.4	10	17.7	0.9	4			
Aug	68	10	-6.93	1.20	10	-48.2	9.0	10	7.3	2.1	10	17.0	0.6	4			
Sep	55	10	-7.07	2.01	10	-49.3	15.1	10	7.3	2.1	10	13.8	1.8	4			
Oct	52	10	-10.75	3.23	9	-77.3	26.4	9	8.7	1.5	9	8.8	0.5	4			
Nov	42	10	-11.47	1.26	10	-83.7	10.5	10	8.1	2.6	10	3.9	0.8	4			
Dec	52	10	-11.53	2.57	10	-86.7	19.9	10	5.6	2.1	10	0.7	1.2	4			

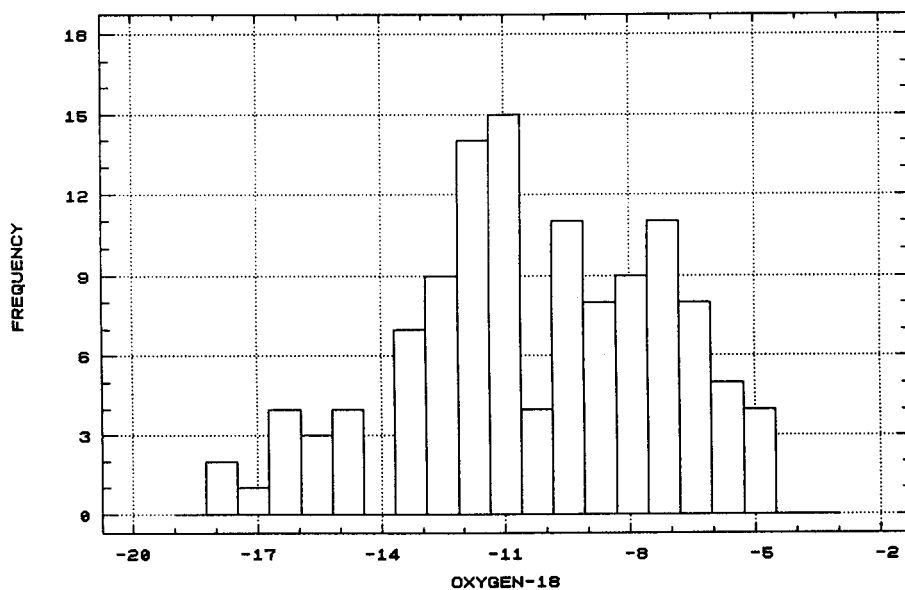
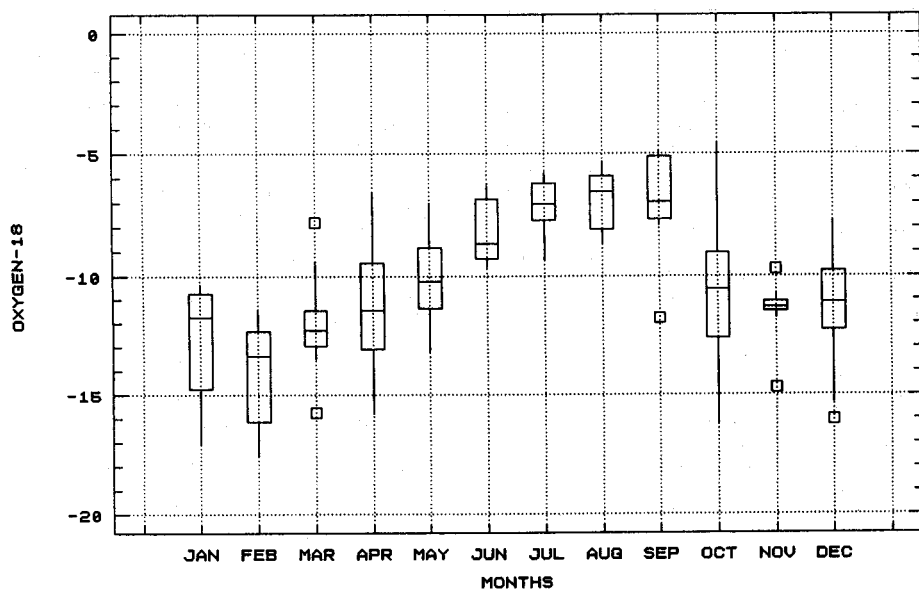
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	111	0.93	0.03	0.19	0.05	0.880	0.09
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.95	0.06	0.17	0.09	0.973	0.04
3) Monthly Deut vs. Monthly Precipitation	119	0.16	0.08	-84.40	4.94	0.032	25.29
4) Monthly Oxyg-18 vs. Monthly Prec	119	0.02	0.01	-11.20	0.60	0.025	3.07
5) Monthly Deut vs. Monthly Temperature	48	2.26	0.29	-90.98	3.13	0.567	15.28
6) Monthly Oxyg-18 vs. Monthly Temp	48	0.27	0.04	-12.03	0.40	0.545	1.94
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	119	8.18	0.10	8.24	1.07	0.983	3.36
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	119	8.25	0.10	8.97	1.10	0.983	3.36

1077600 REGENSBURG, GERMANY

Lat. 49.02N Long. 12.07E Alt. 377 m a.s.l.





1092900 KONSTANZ, GERMANY

Lat. 47.68N Long. 9.18N Alt. 447 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1978	938 (12)	118.7 (100.0/12)	111.2 (100.0/12)	-10.39 (100.0/12)	-11.16 (100.0/12)	-75.2 (100.0/12)	-81.3 (100.0/12)	8.1 (100.0/12)	8.0 (100.0/12)	8.6 (12)	9.4 (12)
1979	997 (12)	89.4 (100.0/12)	87.8 (100.0/12)	-10.79 (100.0/12)	-10.86 (100.0/12)	-78.9 (100.0/12)	-80.1 (100.0/12)	7.5 (100.0/12)	6.8 (100.0/12)	9.1 (12)	9.7 (12)
1980	787 (12)	54.3 (100.0/12)	51.8 (100.0/12)	-10.49 (100.0/12)	-10.46 (100.0/12)	-78.5 (100.0/12)	-78.1 (100.0/12)	5.5 (100.0/12)	5.6 (100.0/12)	8.4 (12)	9.2 (12)
1981	965 (12)	55.6 (100.0/12)	58.2 (100.0/12)	-10.71 (78.9/10)	-10.44 (78.9/10)	-80.0 (78.9/10)	-78.2 (78.9/10)	5.8 (78.9/10)	5.4 (78.9/10)		
1982	846 (12)	46.4 (100.0/12)	47.7 (100.0/12)	-9.34 (100.0/12)	-10.48 (100.0/12)	-67.0 (100.0/12)	-76.6 (100.0/12)	7.8 (100.0/12)	7.3 (100.0/12)		
1983	717 (12)	51.4 (100.0/12)	58.8 (100.0/12)	-9.90 (100.0/12)	-9.54 (100.0/12)	-74.7 (100.0/12)	-72.4 (100.0/12)	4.6 (100.0/12)	4.0 (100.0/12)		
1984	820 (12)	37.1 (100.0/12)	35.0 (100.0/12)	-10.53 (100.0/12)	-10.91 (100.0/12)	-74.4 (100.0/12)	-78.3 (100.0/12)	9.9 (100.0/12)	9.1 (100.0/12)	8.8 (12)	
1985	733 (12)	25.2 (100.0/12)	26.8 (100.0/12)	-10.61 (100.0/12)	-10.66 (100.0/12)	-78.9 (100.0/12)	-79.1 (100.0/12)	6.1 (100.0/12)	6.3 (100.0/12)	8.7 (12)	
1986	1085 (12)	32.0 (100.0/12)	31.2 (100.0/12)	-9.57 (100.0/12)	-9.73 (100.0/12)	-70.0 (100.0/12)	-70.8 (100.0/12)	6.7 (100.0/12)	7.1 (100.0/12)	9.0 (12)	
1987	845 (12)	36.7 (100.0/12)	35.9 (100.0/12)	-9.56 (100.0/12)	-10.02 (100.0/12)	-71.4 (100.0/12)	-75.2 (100.0/12)	5.1 (100.0/12)	5.0 (100.0/12)	8.9 (12)	
Long Term Means 873				-10.18	-10.43	-74.7	-77.0	6.8	6.5	8.8	9.4
σ				0.54	0.52	4.3	3.3	1.6	1.5	0.2	0.2

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	66	10	-12.80	2.51	10	-96.2	19.1	10	6.2	2.6	10	-0.8	2.4	10	5.3	0.7	7
Feb	55	10	-14.42	2.75	10	-108.3	21.8	10	7.1	3.2	10	-0.0	2.0	10	5.3	0.6	7
Mar	51	10	-12.14	3.65	10	-92.3	29.2	10	4.8	3.3	10	4.6	1.7	10	6.8	0.9	7
Apr	71	10	-11.21	1.48	10	-83.8	12.7	10	5.9	1.7	10	8.3	1.3	10	7.3	0.9	7
May	97	10	-9.43	2.23	10	-70.0	17.6	10	5.5	3.2	10	12.4	1.5	10	9.9	0.5	7
Jun	100	10	-8.17	1.62	10	-59.3	13.1	10	6.0	2.3	10	16.2	1.1	10	13.2	1.0	7
Jul	91	10	-6.08	1.49	10	-41.3	11.3	10	7.3	3.6	10	18.6	2.0	10	14.8	1.1	7
Aug	89	10	-7.12	1.54	10	-49.6	10.0	10	7.3	3.3	10	17.7	0.9	10	15.1	0.8	6
Sep	80	10	-8.29	1.88	9	-59.2	14.6	9	7.1	3.6	9	15.0	1.3	10	13.5	1.2	7
Oct	58	10	-10.78	3.23	10	-79.1	24.2	10	7.1	2.6	10	9.7	0.7	10	10.2	0.5	7
Nov	55	10	-11.89	2.11	9	-88.3	16.7	9	6.8	2.3	9	4.1	1.6	8	7.4	0.8	5
Dec	60	10	-12.65	1.39	10	-95.1	10.4	10	6.2	1.8	10	2.0	1.3	7	6.0	0.8	3

CORRELATIONS

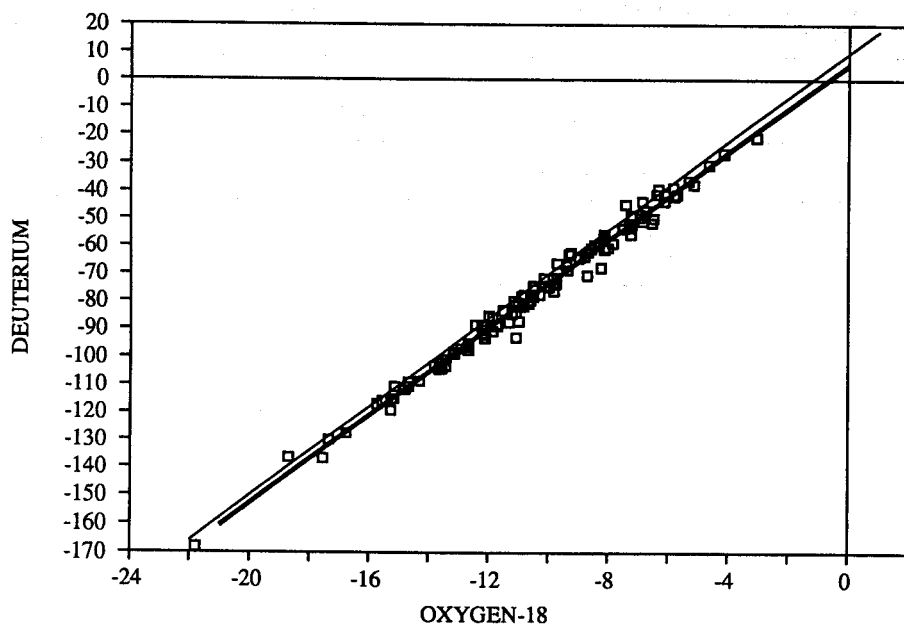
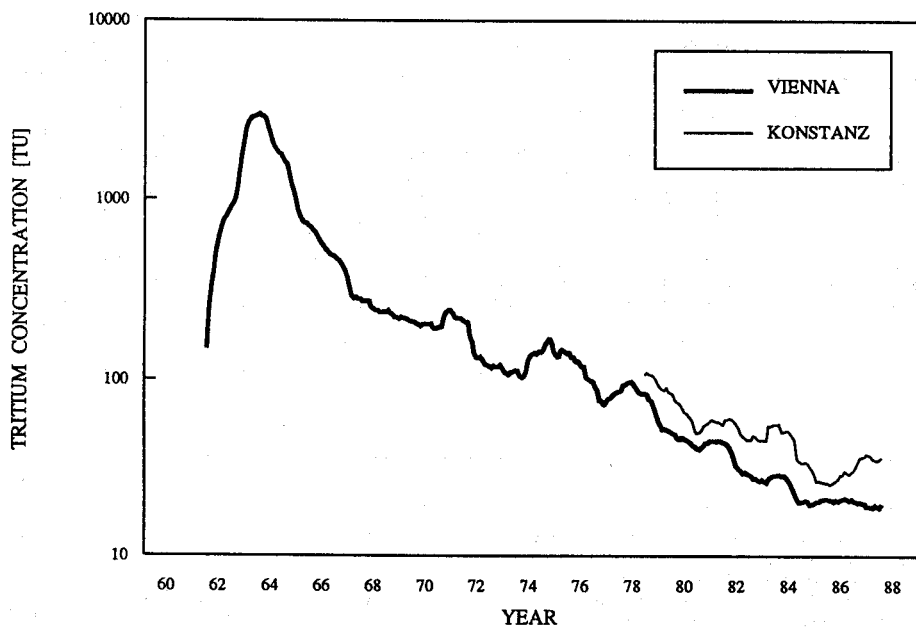
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	112	0.81	0.05	0.46	0.07	0.711	0.13
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.90	0.11	0.32	0.17	0.903	0.07
3) Monthly Deut vs. Monthly Precipitation	118	0.12	0.07	-85.78	5.28	0.030	25.98
4) Monthly Oxyg-18 vs. Monthly Prec	118	0.01	0.01	-11.38	0.66	0.022	3.27
5) Monthly Deut vs. Monthly Temperature	114	2.92	0.24	-103.32	2.70	0.579	17.30
6) Monthly Oxyg-18 vs. Monthly Temp	114	0.36	0.03	-13.71	0.34	0.568	2.20
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	118	7.92	0.08	5.59	0.87	0.988	2.85
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	118	7.97	0.08	6.08	0.90	0.988	2.85

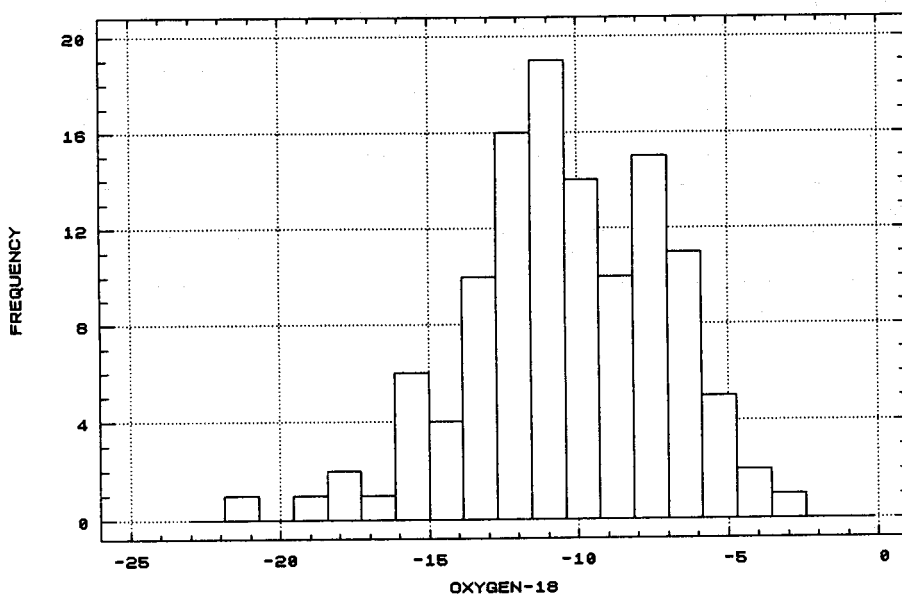
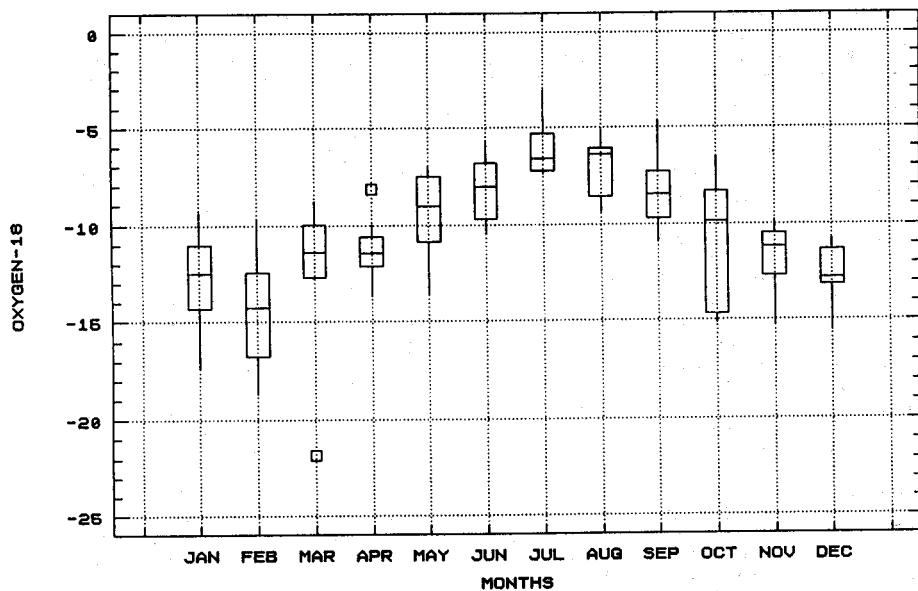
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
81	/ 9	-9.10	-45.9		
81	/ 11	-11.92	-51.3		

1092900 KONSTANZ, GERMANY

Lat. 47.68N Long. 9.18N Alt. 447 m a.s.l.





1096200 HOHENPEISSENBERG, GERMANY

Lat. 47.80N Long. 11.02E Alt. 977 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1970	814 (12)	260.0 (47.1/6)	192.5 206.0			-59.6 (47.1/6)	-61.3			6.9 (12)	9.1 (12)
1971	629 (12)	255.4 (100.0/12)				-72.8 (99.6/11)	-75.5			6.7 (12)	8.9 (12)
1972	686 (12)	146.6 (100.0/12)	118.1			-81.5 (100.0/12)	-86.9			6.5 (12)	
1973	858 (12)	147.1 (100.0/12)	142.0			-74.9 (100.0/12)	-77.4			5.9 (12)	
1974	1271 (12)	186.5 (100.0/12)	183.2	-11.26 (100.0/12)	-11.50	-80.9 (100.0/12)	-83.0	9.2 (100.0/12)	9.0		
1975	1244 (12)	224.0 (100.0/12)	224.7	-10.86 (100.0/12)	-12.62	-77.9 (100.0/12)	-92.1	9.0 (100.0/12)	9.0	6.6 (12)	
1976	917 (12)	127.3 (100.0/12)	120.3	-11.31 (100.0/12)	-12.23	-78.6 (100.0/12)	-86.3	11.9 (100.0/12)	11.6	6.6 (12)	
1977	1313 (12)	112.5 (100.0/12)	100.3	-10.95 (100.0/12)	-11.88	-76.4 (100.0/12)	-84.1	11.3 (100.0/12)	11.0	7.0 (12)	
1978	1189 (12)	84.3 (100.0/12)	82.4	-11.44 (100.0/12)	-12.50	-79.8 (100.0/12)	-87.9	11.8 (100.0/12)	12.2	5.9 (12)	
1979	1490 (12)	74.4 (100.0/12)	71.5	-12.28 (100.0/12)	-12.51	-87.5 (100.0/12)	-89.3	10.8 (100.0/12)	10.9	6.4 (12)	
1980	967 (12)	43.0 (100.0/12)	45.0	-11.97 (100.0/12)	-11.82	-84.6 (100.0/12)	-83.0	11.3 (100.0/12)	11.6	5.9 (12)	
1981	1412 (12)	45.3 (100.0/12)	46.5	-12.16 (100.0/12)	-11.91	-87.4 (100.0/12)	-85.7	9.9 (100.0/12)	9.7	6.5 (12)	
1982		34.7 (100.0/12)	32.5	-10.58 (100.0/12)	-11.54	-75.5 (100.0/12)	-83.3	9.1 (100.0/12)	9.1	7.4 (12)	
1983		39.4 (100.0/12)	38.3	-10.33 (100.0/12)	-11.17	-71.6 (100.0/12)	-78.0	11.1 (100.0/12)	11.3	7.4 (12)	
1984	875 (12)	32.5 (100.0/12)	28.2	-12.02 (100.0/12)	-12.77	-86.9 (100.0/12)	-92.7	9.3 (100.0/12)	9.5	6.2 (12)	
1985	1126 (12)	25.7 (100.0/12)	25.6	-12.14 (100.0/12)	-11.79	-88.6 (100.0/12)	-85.8	8.5 (100.0/12)	8.6	6.1 (12)	
1986	986 (12)	31.0 (100.0/12)	27.6	-10.92 (100.0/12)	-11.57	-74.9 (100.0/12)	-80.3	12.5 (100.0/12)	12.3	6.5 (12)	
1987	1069 (12)	29.6 (100.0/12)	27.3	-10.74 (100.0/12)	-11.13	-77.1 (100.0/12)	-79.8	8.9 (100.0/12)	9.3	6.2 (12)	
Long Term											
Means 1053				-11.38	-11.93	-80.2	-84.2	10.3	10.4	6.5	9.0
σ				0.66	0.53	5.5	4.9	1.3	1.3	0.4	0.2

MONTHLY MEANS

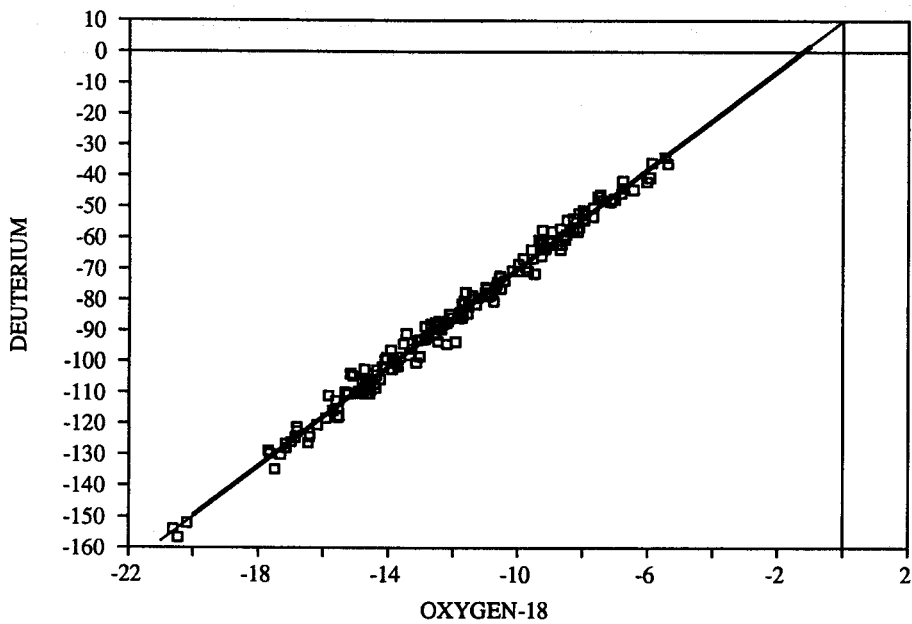
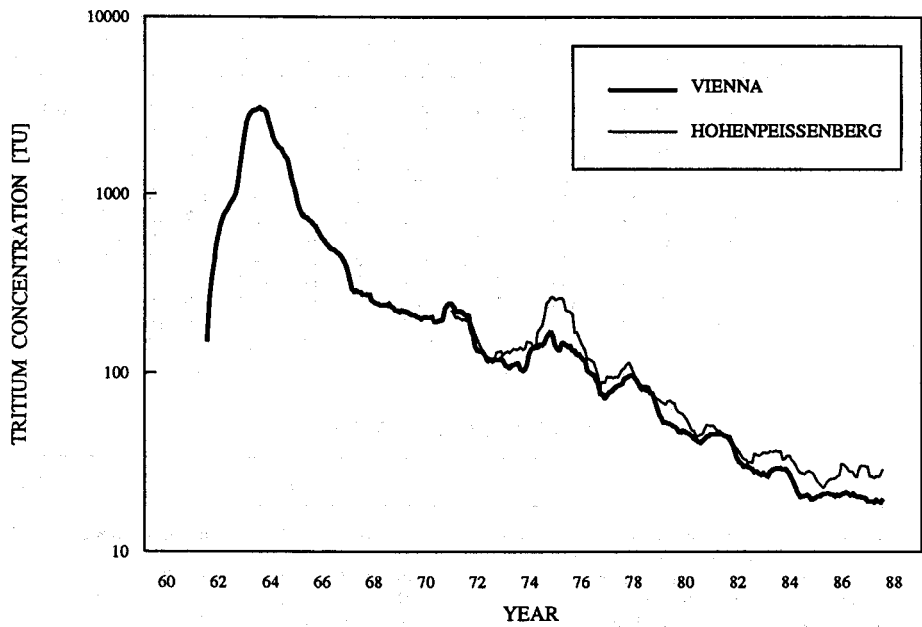
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	59	16	-14.13	2.91	14	-103.0	24.2	16	10.8	3.8	14	-1.7	2.8	18	4.3	0.3	2
Feb	55	16	-15.13	2.25	14	-109.1	17.7	17	9.4	2.0	14	-1.5	2.6	18	5.0	0.2	2
Mar	53	16	-14.06	2.25	14	-100.3	18.8	17	10.1	1.7	14	1.7	2.4	18	5.2	0.5	2
Apr	88	16	-12.97	2.01	14	-92.3	15.1	17	10.2	2.1	14	4.7	1.8	18	7.5	0.7	2
May	105	16	-10.88	1.67	14	-75.3	14.6	17	9.0	2.7	14	9.6	1.6	18	10.4	1.9	2
Jun	132	16	-9.23	1.10	14	-65.8	9.3	17	9.3	2.5	14	12.8	1.7	18	13.0	1.6	2
Jul	133	16	-8.28	1.64	14	-57.1	11.8	18	9.8	1.7	14	15.1	1.5	18	14.3	1.2	2
Aug	123	16	-7.92	1.56	14	-53.1	12.9	18	10.6	2.1	14	14.6	1.1	18	15.0	0.2	2
Sep	100	16	-9.62	1.89	14	-66.0	17.2	18	11.7	2.4	14	12.0	1.8	18	11.2	1.4	2
Oct	66	16	-11.96	3.51	14	-83.4	25.7	18	10.7	2.5	14	7.4	2.0	18	8.8	0.5	2
Nov	75	16	-14.05	1.71	14	-99.4	14.1	18	11.3	3.8	14	2.7	1.9	18	6.8	0.7	2
Dec	62	16	-14.81	1.78	14	-101.2	19.2	18	10.9	2.6	14	0.3	1.9	17	5.5	1.0	2

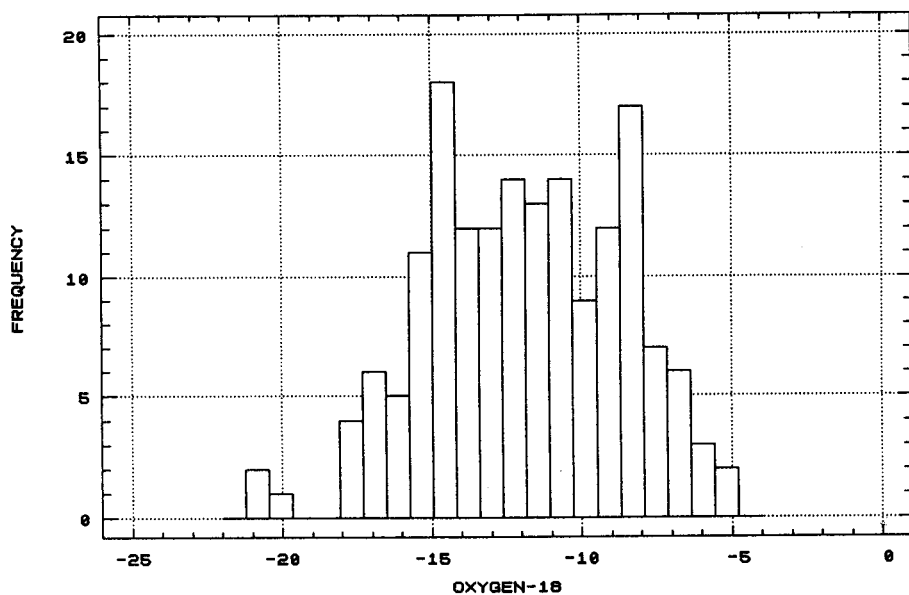
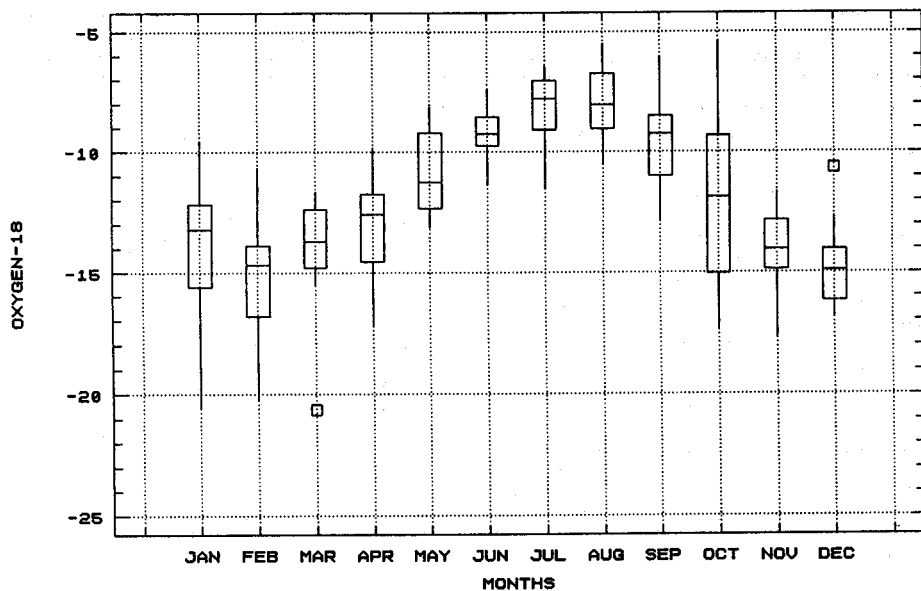
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	200	0.95	0.03	0.16	0.05	0.855	0.15
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	16	0.95	0.05	0.18	0.09	0.962	0.07
3) Monthly Deut vs. Monthly Precipitation	209	0.10	0.03	-92.83	3.19	0.055	24.71
4) Monthly Oxyg-18 vs. Monthly Prec	168	0.02	0.00	-13.49	0.48	0.082	3.13
5) Monthly Deut vs. Monthly Temperature	208	3.09	0.18	-103.89	1.65	0.585	16.41
6) Monthly Oxyg-18 vs. Monthly Temp	167	0.41	0.02	-14.61	0.22	0.633	1.98
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	168	7.98	0.06	10.05	0.77	0.990	2.62
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	168	8.02	0.06	10.53	0.79	0.990	2.62

1096200 HOHENPEISSENBERG, GERMANY

Lat. 47.80N Long. 11.02E Alt. 977 m a.s.l.





1096300 GARMISCH-PARTENKIRCHEN, GERMANY

Lat. 47.48N Long. 11.07E Alt. 720 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1978	1370	107.8	99.6	-10.69	-11.94	-79.0	-89.2	6.6	6.4		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1979	1696	81.8	73.1	-11.49	-12.17	-83.6	-89.4	8.4	8.0		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1980	1266	48.2	47.0	-11.97	-12.07	-89.1	-89.8	6.7	6.8		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1981	1629	54.1	55.8	-12.72	-12.36	-94.6	-92.1	7.2	6.8		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1982	1259	43.0	41.0	-10.51	-11.05	-75.1	-81.1	9.0	7.4		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1983	1529	49.9	48.6	-9.50	-10.40	-69.0	-76.8	7.0	6.5		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1984	1173	36.4	34.5	-11.11	-12.17	-80.9	-89.7	8.0	7.6	6.1	
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	
1985	1147	24.0	25.1	-10.40	-10.76	-74.6	-77.9	8.6	8.2	6.3	
	(12)	(100.0/12)		(92.9/11)		(92.9/11)		(92.9/11)		(12)	
1986	1405	38.6	33.9	-10.33	-11.19	-74.1	-81.3	8.6	8.3	6.6	
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	
1987	1353	30.5	27.9	-10.49	-10.84	-76.0	-78.7	8.0	8.1	6.5	
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	
Long Term											
Means 1383				-10.95	-11.49	-79.9	-84.6	7.8	7.4	6.4	
σ				0.93	0.71	7.7	5.9	0.9	0.7	0.2	

MONTHLY MEANS

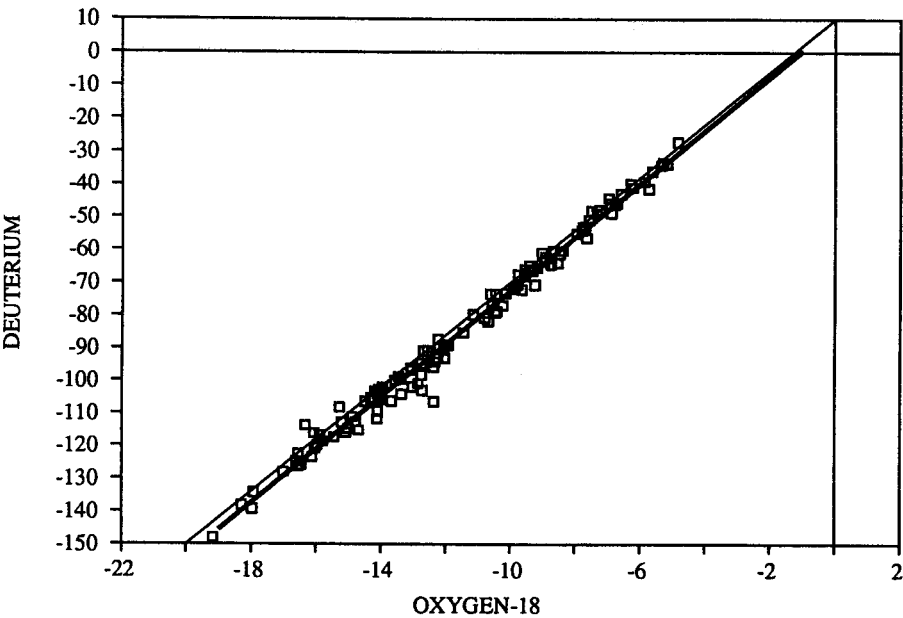
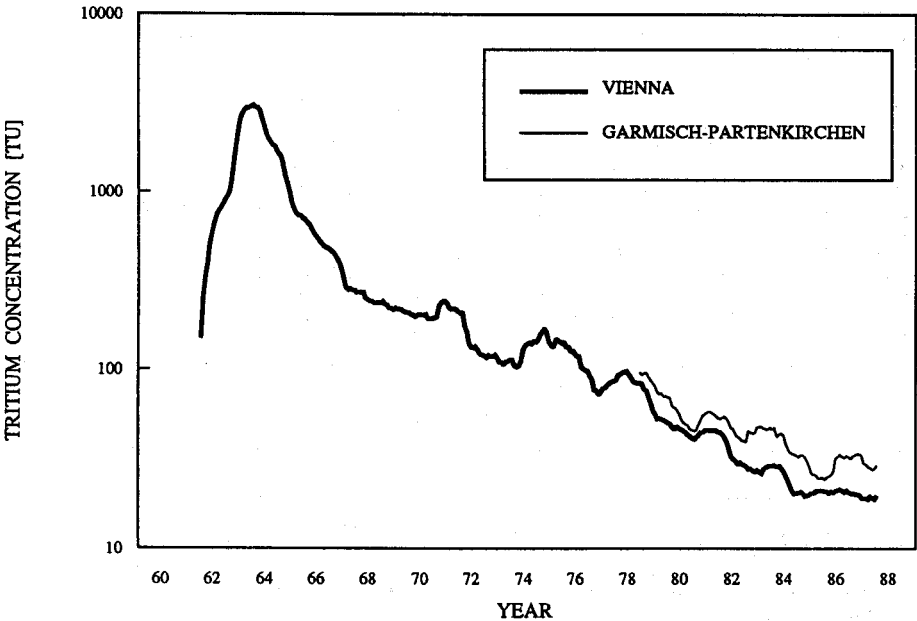
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	116	10	-14.50	1.96	9	-106.8	14.2	9	9.1	3.4	9	-4.6	3.3	4			
Feb	64	10	-14.08	2.39	10	-107.8	18.8	10	4.9	5.5	10	-3.4	2.8	4			
Mar	93	10	-13.93	2.13	10	-105.8	17.6	10	5.6	3.0	10	0.3	1.8	4			
Apr	93	10	-12.72	2.51	10	-94.7	19.7	10	7.1	2.0	10	6.1	1.3	4			
May	120	10	-10.54	1.25	10	-78.0	11.5	10	6.3	2.1	10	10.8	2.4	4			
Jun	187	10	-8.73	0.98	10	-62.6	7.9	10	7.3	1.9	10	13.4	0.8	4			
Jul	163	10	-7.47	2.10	10	-51.7	18.0	10	8.1	2.3	10	16.2	1.1	4			
Aug	171	10	-7.24	1.39	10	-49.4	9.9	10	8.5	2.2	10	14.9	0.4	4			
Sep	119	10	-8.65	2.39	10	-60.1	19.8	10	9.1	1.6	10	12.4	1.7	4			
Oct	80	10	-11.19	3.48	10	-81.1	27.9	10	8.4	1.2	10	8.3	0.7	4			
Nov	88	10	-14.61	2.13	10	-109.4	16.8	10	7.5	3.0	10	2.0	2.2	4			
Dec	90	10	-14.59	1.86	10	-110.2	14.4	10	6.5	4.1	10	-0.7	1.0	4			

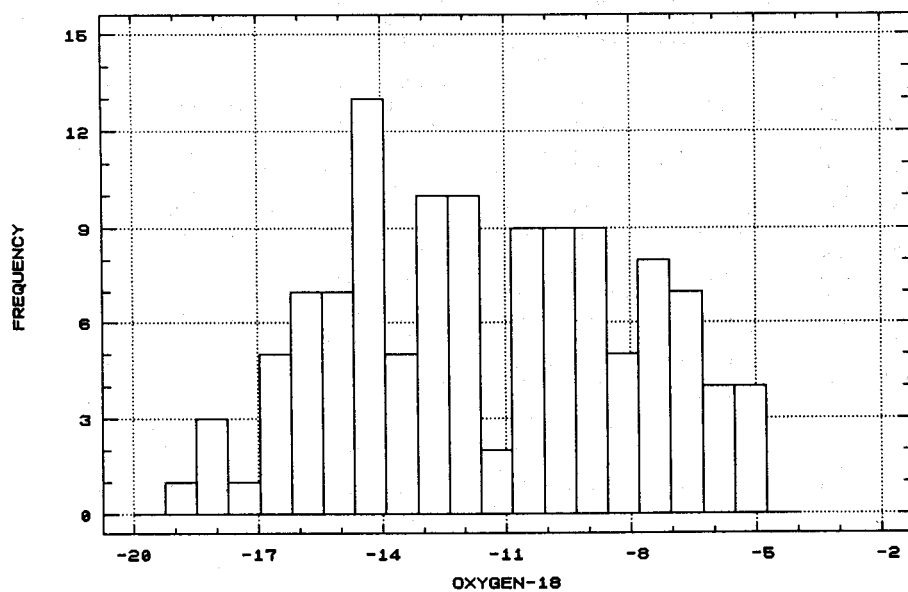
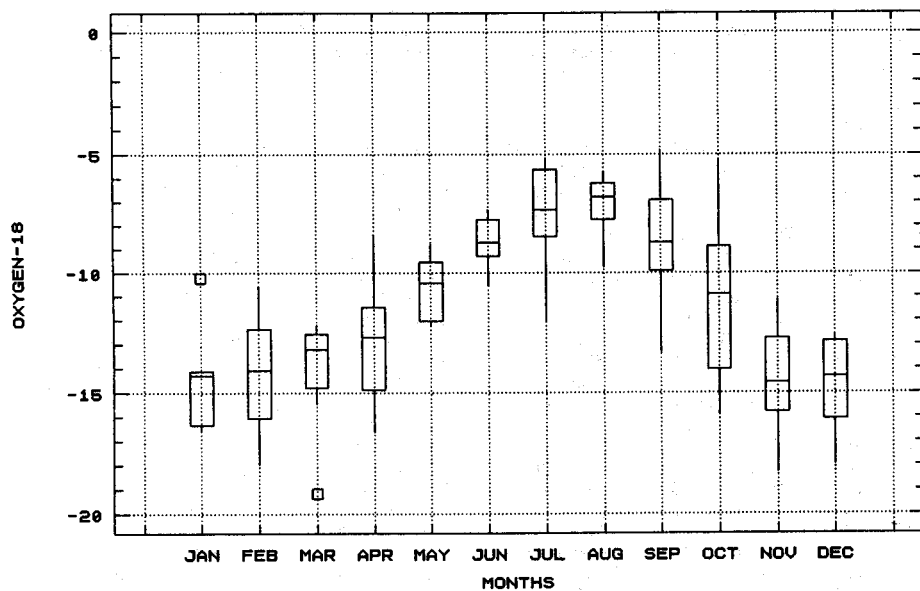
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	112	0.86	0.04	0.34	0.06	0.792	0.11
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.85	0.12	0.38	0.18	0.884	0.07
3) Monthly Deut vs. Monthly Precipitation	119	0.14	0.04	-100.96	5.21	0.098	26.95
4) Monthly Oxyg-18 vs. Monthly Prec	119	0.02	0.00	-13.38	0.64	0.086	3.33
5) Monthly Deut vs. Monthly Temperature	47	3.13	0.36	-102.65	3.47	0.628	17.34
6) Monthly Oxyg-18 vs. Monthly Temp	47	0.39	0.04	-13.81	0.42	0.644	2.08
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	119	8.11	0.08	8.61	0.97	0.988	3.05
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	119	8.16	0.08	9.15	1.00	0.988	3.05

1096300 GARMISCH-PARTENKIRCHEN, GERMANY

Lat. 47.48N Long. 11.07E Alt. 720 m a.s.l.





1103500 VIENNA (HOHE WARTE), AUSTRIA

Lat. 48.25N Long. 16.37E Alt. 203 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	573 (12)									10.0 (12)	9.6 (12)
1961	610 (12)	107.8 (98.5/11)	100.5 (98.5/11)	-7.09 (98.5/11)	-7.23 (98.5/11)	-52.9 (98.5/11)	-54.0 (98.5/11)	3.9 (98.5/11)	3.9 (98.5/11)	10.6 (12)	9.7 (12)
1962	540 (12)	902.2 (97.2/11)	910.3 (97.2/11)	-11.24 (97.2/11)	-10.24 (97.2/11)	-83.0 (97.2/11)	-77.2 (97.2/11)	6.9 (97.2/11)	4.8 (97.2/11)	9.1 (12)	8.7 (12)
1963	472 (12)	3278.1 (88.9/10)	3023.7 (100.0/12)	-10.02 (100.0/12)	-10.45 (100.0/12)	-72.7 (100.0/12)	-76.6 (100.0/12)	7.5 (100.0/12)	7.1 (100.0/12)	9.1 (12)	9.4 (12)
1964	595 (12)	1738.1 (100.0/12)	1711.3 (89.7/11)	-10.12 (89.7/11)	-9.03 (89.7/11)	-73.9 (89.7/11)	-67.8 (89.7/11)	7.2 (89.7/11)	4.5 (89.7/11)	9.6 (12)	9.4 (12)
1965	874 (12)	863.9 (90.3/10)	703.9 (90.3/10)	-8.96 (100.0/11)	-9.72 (100.0/11)	-63.5 (100.0/11)	-69.2 (100.0/11)	8.2 (100.0/11)	8.7 (100.0/11)	9.1 (12)	9.4 (12)
1966	781 (12)	544.7 (100.0/12)	481.8 (100.0/12)	-9.59 (100.0/12)	-10.36 (100.0/12)	-69.7 (100.0/12)	-74.4 (100.0/12)	7.1 (100.0/12)	8.5 (100.0/12)	10.5 (12)	10.1 (12)
1967	569 (12)	297.4 (100.0/12)	281.6 (100.0/12)	-8.76 (100.0/12)	-8.93 (100.0/12)	-61.2 (100.0/12)	-62.1 (100.0/12)	8.9 (100.0/12)	9.4 (100.0/12)	10.8 (12)	10.0 (12)
1968	496 (12)	234.7 (100.0/12)	237.7 (100.0/12)	-7.39 (73.1/9)	-7.55 (73.1/9)	-53.1 (73.1/9)	-55.4 (73.1/9)	6.1 (73.1/9)	5.1 (73.1/9)	10.1 (12)	9.6 (12)
1969	644 (12)	218.8 (100.0/12)	209.5 (100.0/12)	-11.13 (100.0/12)	-10.37 (100.0/12)	-75.8 (83.6/10)	-70.3 (83.6/10)	7.4 (83.6/10)	5.5 (83.6/10)	9.7 (12)	9.4 (12)
1970	707 (12)	191.0 (100.0/12)	194.4 (100.0/12)	-10.12 (100.0/12)	-10.42 (100.0/12)	-72.6 (100.0/12)	-74.3 (100.0/12)	8.4 (100.0/12)	9.1 (100.0/12)	9.7 (12)	9.6 (12)
1971	531 (12)	243.2 (100.0/12)	212.7 (100.0/12)	-10.10 (83.0/10)	-9.73 (83.0/10)	-78.5 (79.4/9)	-79.4 (79.4/9)	6.2 (79.4/9)	7.6 (79.4/9)	10.3 (12)	9.4 (12)
1972	635 (12)	145.2 (91.0/10)	127.5 (91.0/10)	-8.53 (91.0/10)	-9.70 (91.0/10)	-64.4 (91.0/10)	-71.6 (91.0/10)	3.9 (91.0/10)	6.0 (91.0/10)	9.9 (12)	9.7 (12)
1973	689 (12)	115.8 (100.0/12)	113.6 (100.0/12)	-11.35 (100.0/12)	-10.37 (100.0/12)	-81.2 (100.0/12)	-74.4 (100.0/12)	9.7 (100.0/12)	8.6 (100.0/12)	10.2 (12)	9.1 (12)
1974	589 (12)	152.8 (100.0/12)	143.3 (100.0/12)	-10.95 (96.7/11)	-9.45 (96.7/11)	-80.0 (96.7/11)	-68.3 (96.7/11)	7.6 (96.7/11)	7.4 (96.7/11)	10.8 (12)	9.6 (12)
1975	659 (12)	140.5 (100.0/12)	140.1 (100.0/12)	-8.99 (100.0/12)	-9.60 (100.0/12)	-61.8 (100.0/12)	-68.0 (100.0/12)	10.2 (100.0/12)	8.9 (100.0/12)	10.7 (12)	10.1 (12)
1976	623 (12)	97.4 (100.0/12)	98.1 (100.0/12)	-10.13 (100.0/12)	-10.48 (100.0/12)	-71.0 (100.0/12)	-74.5 (100.0/12)	10.1 (100.0/12)	9.4 (100.0/12)	10.3 (12)	9.3 (12)
1977	581 (12)	93.5 (100.0/12)	86.2 (100.0/12)	-9.16 (100.0/12)	-8.80 (100.0/12)	-62.1 (100.0/12)	-59.3 (100.0/12)	11.3 (100.0/12)	11.2 (100.0/12)	10.6 (12)	9.7 (12)
1978	450 (12)	92.1 (100.0/12)	84.1 (100.0/12)	-10.76 (100.0/12)	-11.01 (100.0/12)	-70.5 (100.0/12)	-72.2 (100.0/12)	15.6 (100.0/12)	15.9 (100.0/12)	9.4 (12)	8.9 (12)
1979	747 (12)	55.3 (100.0/12)	50.7 (100.0/12)	-12.23 (77.3/10)	-11.53 (77.3/10)	-89.8 (72.6/9)	-85.2 (72.6/9)	10.3 (72.6/9)	10.3 (72.6/9)	9.8 (12)	9.5 (12)
1980	624 (12)	40.5 (100.0/12)	41.4 (100.0/12)	-10.94 (88.3/11)	-10.70 (88.3/11)	-81.3 (88.3/11)	-79.8 (88.3/11)	6.3 (88.3/11)	5.8 (88.3/11)	9.0 (12)	9.0 (12)
1981	566 (12)	43.2 (100.0/12)	44.8 (100.0/12)	-10.36 (100.0/12)	-10.23 (100.0/12)	-71.7 (100.0/12)	-72.5 (100.0/12)	11.2 (100.0/12)	9.4 (100.0/12)	10.4 (12)	9.4 (12)
1982	472 (12)	32.3 (87.9/11)	30.2 (98.3/11)	-9.38 (98.3/11)	-9.52 (98.3/11)	-68.5 (98.3/11)	-69.2 (98.3/11)	6.6 (98.3/11)	7.0 (98.3/11)	10.3 (12)	9.9 (12)
1983	509 (12)	28.7 (88.6/10)	27.2 (88.6/10)	-9.01 (100.0/12)	-8.86 (100.0/12)	-67.0 (100.0/12)	-66.7 (100.0/12)	5.2 (100.0/12)	4.3 (100.0/12)	11.0 (12)	9.4 (12)
1984	582 (12)	19.4 (51.7/7)	18.9 (100.0/12)	-10.21 (100.0/12)	-10.68 (100.0/12)	-75.5 (100.0/12)	-79.3 (100.0/12)	6.2 (100.0/12)	6.2 (100.0/12)	9.6 (12)	8.8 (12)
1985	657 (12)	21.3 (100.0/12)	21.2 (100.0/12)	-10.54 (100.0/12)	-9.90 (100.0/12)	-75.8 (100.0/12)	-71.6 (100.0/12)	8.5 (100.0/12)	7.6 (100.0/12)	9.3 (12)	9.2 (12)

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1986	578 (12)	21.5 (100.0/12)	20.7	-9.79 (100.0/12)	-10.21	-70.5 (100.0/12)	-74.3	7.9 (100.0/12)	7.5	9.5 (12)	9.2 (12)
1987	730 (12)	19.4 (100.0/12)	19.1	-9.92 (78.9/10)	-9.17	-72.1 (78.9/10)	-65.5	7.4 (78.9/10)	7.9	9.6 (12)	
Long Term Means 610											
				-9.96	-9.87	-70.8	-70.9	8.0	7.7	10.0	9.5
σ				1.08	0.87	7.3	6.2	2.5	2.5	0.6	0.3

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	41	28	-14.30	2.82	24	-102.4	20.7	23	11.5	6.0	23	-1.0	2.7	28	4.6	0.9	28
Feb	39	28	-13.14	3.46	25	-94.6	25.3	24	10.1	5.3	24	1.0	2.6	28	5.1	1.1	28
Mar	44	28	-11.58	3.00	27	-84.9	21.8	27	7.7	4.8	27	5.2	2.4	28	6.1	0.9	28
Apr	48	28	-9.15	2.51	26	-66.7	17.6	26	6.5	5.7	26	10.3	1.4	28	7.8	0.9	28
May	61	28	-7.16	2.69	26	-53.7	18.5	26	3.5	7.1	26	14.8	1.4	28	11.1	0.9	28
Jun	76	28	-7.59	1.31	26	-56.6	8.8	26	4.1	4.6	26	18.1	1.1	28	13.8	1.1	28
Jul	64	28	-5.97	2.09	27	-44.8	11.0	26	4.9	7.5	26	19.7	1.5	28	14.7	0.9	27
Aug	58	28	-6.51	1.43	25	-46.5	9.6	24	5.1	5.1	24	19.2	1.1	28	14.8	1.2	28
Sep	42	28	-7.51	1.38	27	-52.3	9.9	27	7.7	6.4	27	15.5	1.3	28	12.8	1.4	28
Oct	44	28	-9.84	3.21	24	-66.9	25.0	24	11.8	6.7	24	10.2	1.3	28	9.7	1.1	28
Nov	50	28	-11.89	3.05	25	-84.3	19.9	25	10.8	6.4	25	5.0	1.5	28	7.1	0.7	28
Dec	44	28	-13.96	3.41	24	-102.2	26.8	24	9.5	4.5	24	1.0	2.3	28	5.4	0.9	28

CORRELATIONS

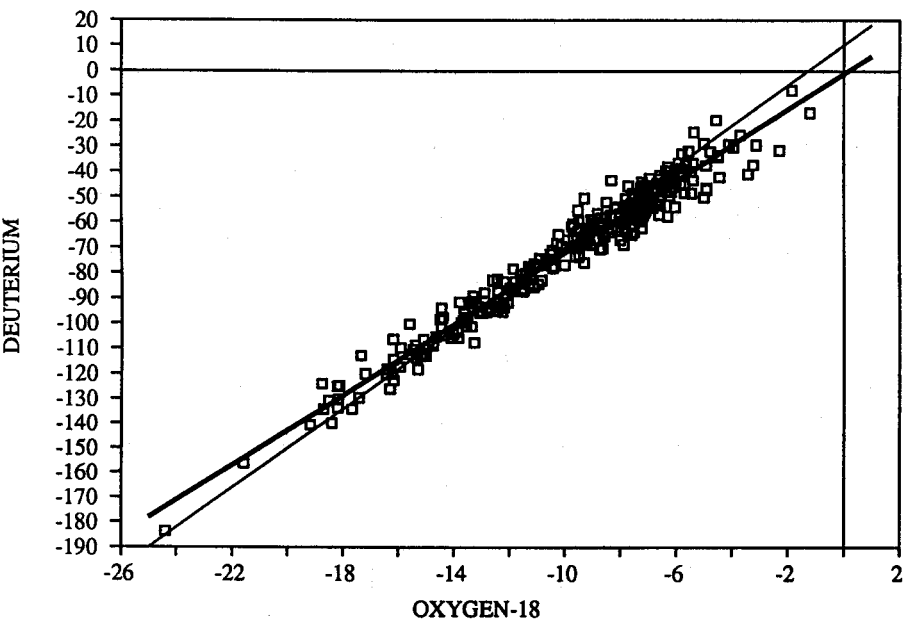
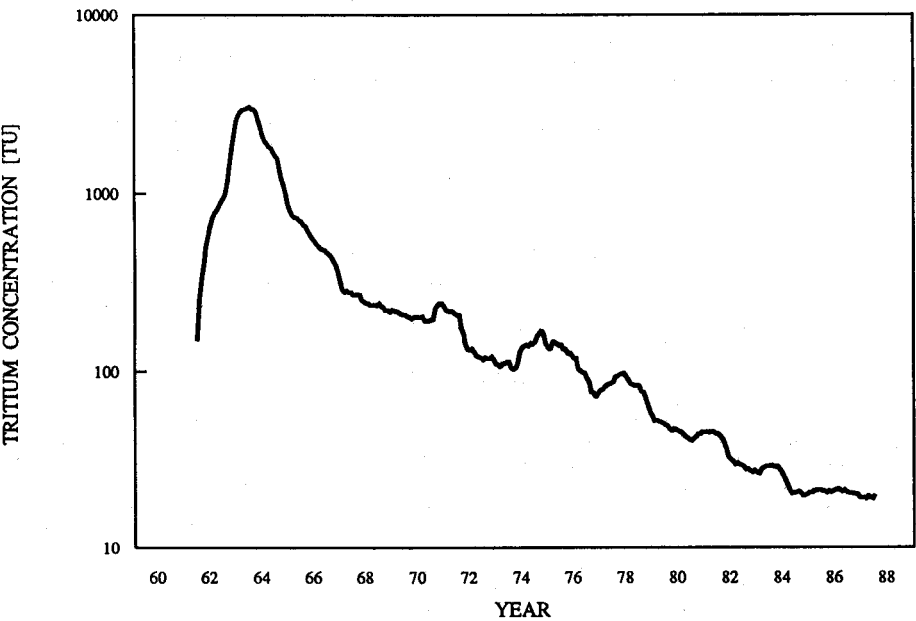
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
3) Monthly Deut vs. Monthly Precipitation	302	-0.01	0.05	-70.23	3.04	0.000	27.53
4) Monthly Oxyg-18 vs. Monthly Prec	306	-0.00	0.01	-9.58	0.42	0.001	3.86
5) Monthly Deut vs. Monthly Temperature	302	2.90	0.13	-100.09	1.68	0.609	17.21
6) Monthly Oxyg-18 vs. Monthly Temp	306	0.41	0.02	-13.90	0.23	0.615	2.39
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	302	7.07	0.08	-1.38	0.86	0.961	5.42
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	302	7.22	0.08	0.01	0.92	0.961	5.42

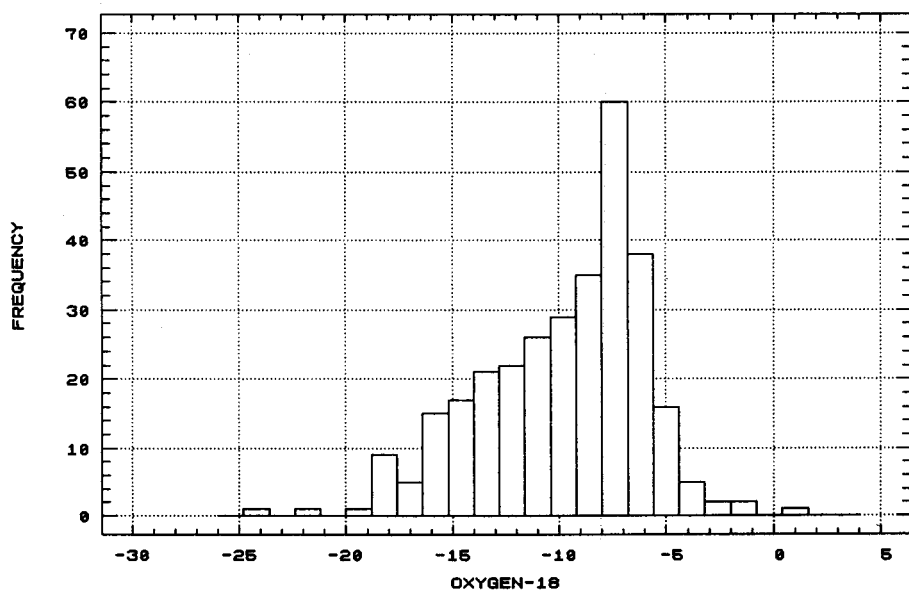
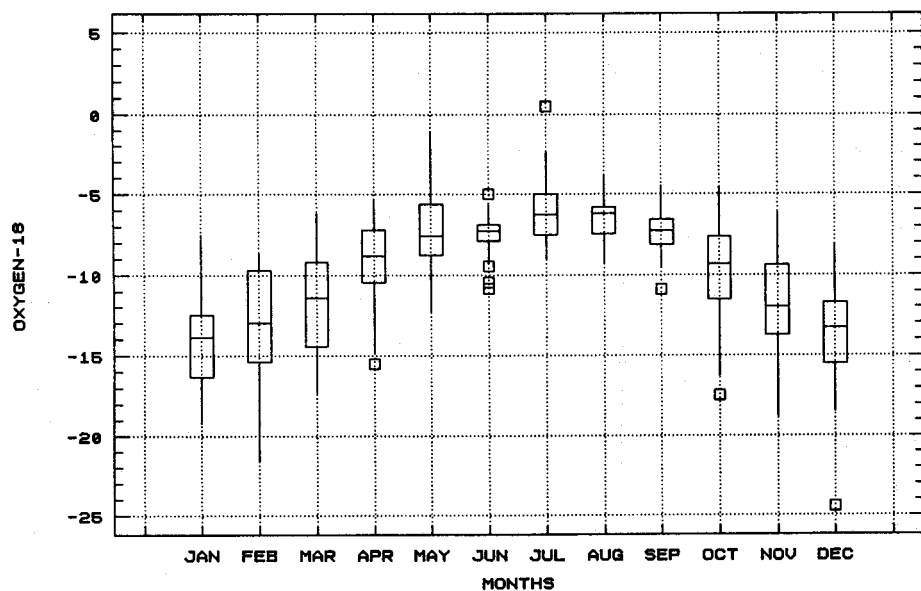
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
64 / 4	-3.60	-50.2		
74 / 8	-9.84	-39.9		
79 / 5	-10.42	-157.1		
79 / 6	-8.72	-136.5		
80 / 10	-11.41	-116.5		
82 / 11	-13.49	-49.9		

1103500 VIENNA (HOHE WARTE), AUSTRIA

Lat. 48.25N Long. 16.37E Alt. 203 m a.s.l.





1256500 KRAKOW (WOLA JUSTOWSKA), POLAND

Lat. 50.07N Long. 19.88E Alt. 205 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1975	627 (12)	125.1 (100.0/12)	108.0	-8.09 (95.6/10)	-9.39	-55.0 (95.6/10)	-65.0	9.8 (95.6/10)	10.2	8.7 (12)	10.2 (12)
1976	607 (12)	97.5 (100.0/12)	92.5	-9.32 (100.0/12)	-10.40	-66.5 (100.0/12)	-74.9	8.1 (100.0/12)	8.3	7.2 (12)	8.9 (12)
1977	678 (12)	88.9 (100.0/12)	84.0	-9.14 (100.0/12)	-9.21	-64.3 (100.0/12)	-64.8	8.9 (100.0/12)	8.9	8.2 (12)	9.6 (12)
1978	667 (12)	93.9 (100.0/12)	93.7	-9.31 (100.0/12)	-10.63	-66.9 (100.0/12)	-77.5	7.7 (100.0/12)	7.6	7.1 (12)	8.9 (12)
1979	648 (12)	59.3 (100.0/12)	55.7	-10.57 (100.0/12)	-10.58	-77.0 (100.0/12)	-77.3	7.6 (100.0/12)	7.4	7.6 (12)	9.3 (12)
1980	575 (12)	47.8 (100.0/12)	42.0	-10.46 (100.0/12)	-10.89	-74.9 (100.0/12)	-78.5	8.9 (100.0/12)	8.7	6.8 (12)	8.9 (12)
1981	671 (12)	49.1 (100.0/12)	46.4	-10.65 (100.0/12)	-11.45	-75.8 (100.0/12)	-82.2	9.4 (100.0/12)	9.4	8.1 (12)	9.6 (12)
1982	458 (12)	30.7 (100.0/12)	32.2	-9.13 (100.0/12)	-10.08	-64.1 (100.0/12)	-71.9	9.1 (100.0/12)	8.8	8.3 (12)	9.7 (12)
1983	463 (12)	29.1 (100.0/12)	27.8	-9.11 (100.0/12)	-9.11	-65.5 (100.0/12)	-65.2	7.4 (100.0/12)	7.7	9.2 (12)	9.4 (12)
1984	508 (12)	24.9 (100.0/12)	23.3	-9.46 (100.0/12)	-10.61	-68.2 (100.0/12)	-77.5	7.6 (100.0/12)	7.5	7.9 (12)	9.5 (12)
1985	790 (12)	24.5 (100.0/12)	22.5	-8.79 (100.0/12)	-9.49	-61.8 (100.0/12)	-66.9	8.6 (100.0/12)	9.0	7.0 (12)	9.5 (12)
1986	679 (12)	23.0 (100.0/12)	20.1	-8.24 (100.0/12)	-9.04	-58.9 (100.0/12)	-64.6	7.1 (100.0/12)	7.7	7.7 (12)	9.4 (12)
1987	675 (12)	20.8 (100.0/12)	19.4	-9.35 (100.0/12)	-9.96	-66.6 (100.0/12)	-72.1	8.3 (100.0/12)	7.7	7.1 (12)	9.1 (12)
Long Term											
Means 619				-9.35	-10.06	-66.5	-72.2	8.3	8.4	7.7	9.4
σ				0.80	0.76	6.4	6.2	0.8	0.8	0.7	0.3

MONTHLY MEANS

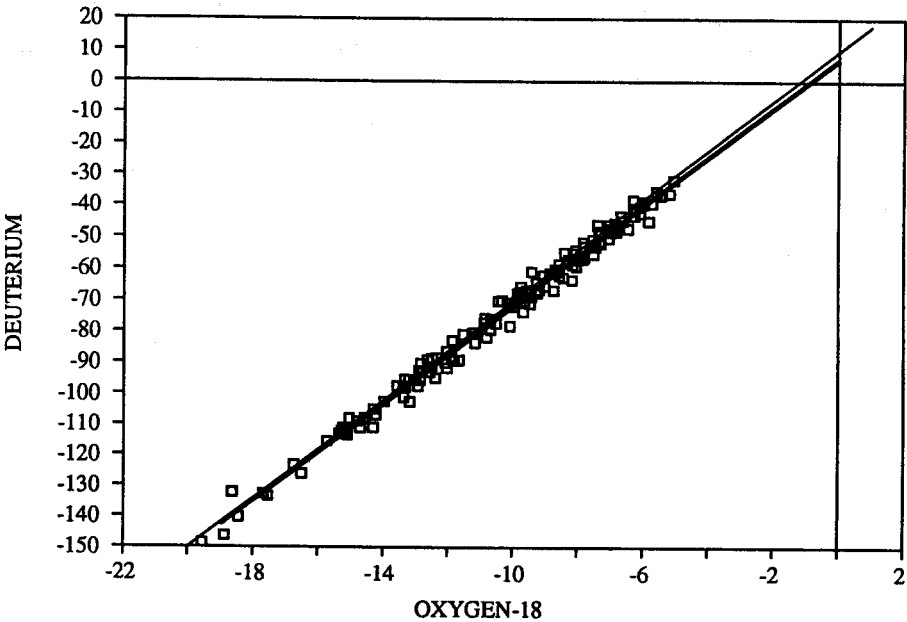
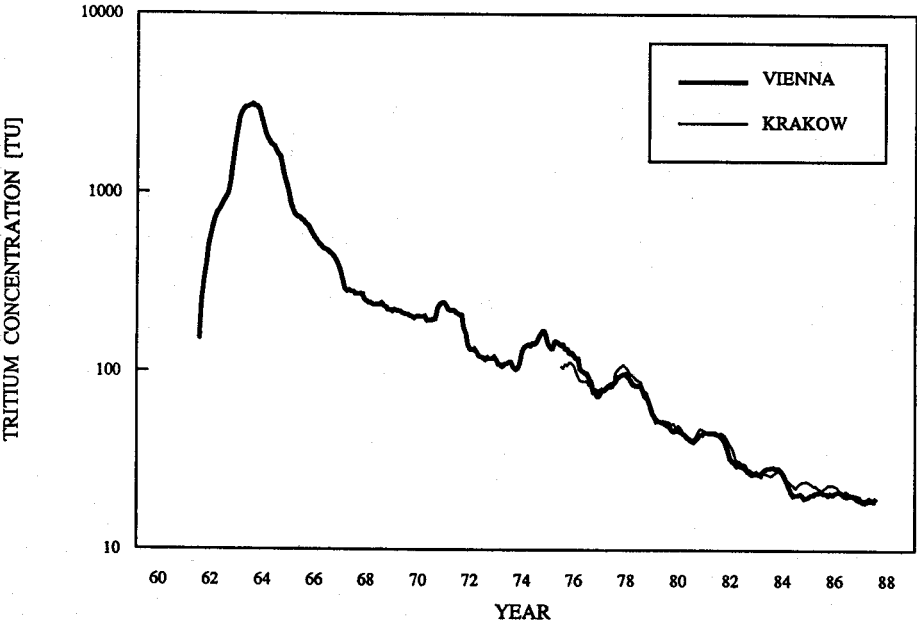
Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	39	13	-13.13	3.07	12	-96.7	24.8	12	8.3	2.7	12	-3.1	4.0	13	4.3	1.2	13
Feb	26	13	-14.24	2.86	12	-106.5	23.0	12	7.4	2.4	12	-2.6	2.6	13	4.3	0.8	13
Mar	33	13	-11.26	1.54	13	-82.0	13.6	13	8.1	3.7	13	2.7	2.4	13	6.0	1.0	13
Apr	39	13	-10.63	2.29	13	-76.2	17.8	13	8.8	1.8	13	7.6	1.7	13	7.8	0.7	13
May	72	13	-8.25	1.47	13	-57.1	11.2	13	8.9	2.0	13	13.3	1.6	13	11.5	1.3	13
Jun	87	13	-7.20	1.27	13	-50.6	9.1	13	7.0	2.2	13	16.3	1.2	13	14.0	1.1	13
Jul	72	13	-7.51	0.80	13	-52.4	6.9	13	7.7	1.8	13	17.5	1.4	13	15.3	1.0	13
Aug	81	13	-7.09	1.31	13	-49.1	10.6	13	7.7	1.3	13	16.6	1.2	13	15.2	1.0	13
Sep	53	13	-7.60	1.61	13	-50.8	12.4	13	9.9	2.1	13	13.1	1.4	13	12.5	1.3	13
Oct	43	13	-8.99	2.17	13	-63.1	15.9	13	8.9	2.7	13	8.3	1.0	13	9.3	0.7	13
Nov	35	13	-12.44	2.49	13	-91.5	19.4	13	8.1	2.5	13	3.0	1.3	13	6.6	0.6	13
Dec	41	13	-13.04	3.63	13	-95.3	26.8	13	9.1	3.6	13	-0.3	1.8	13	5.2	0.7	13

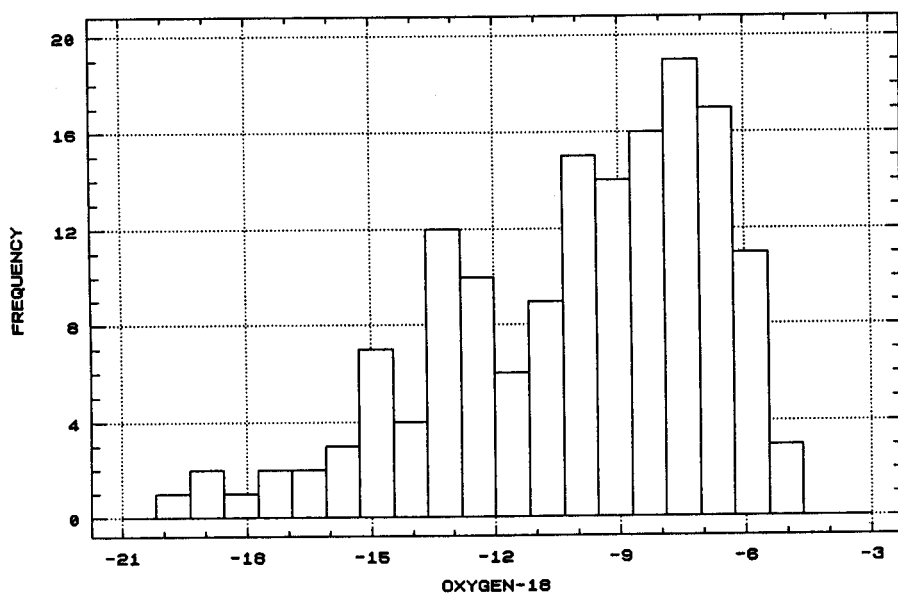
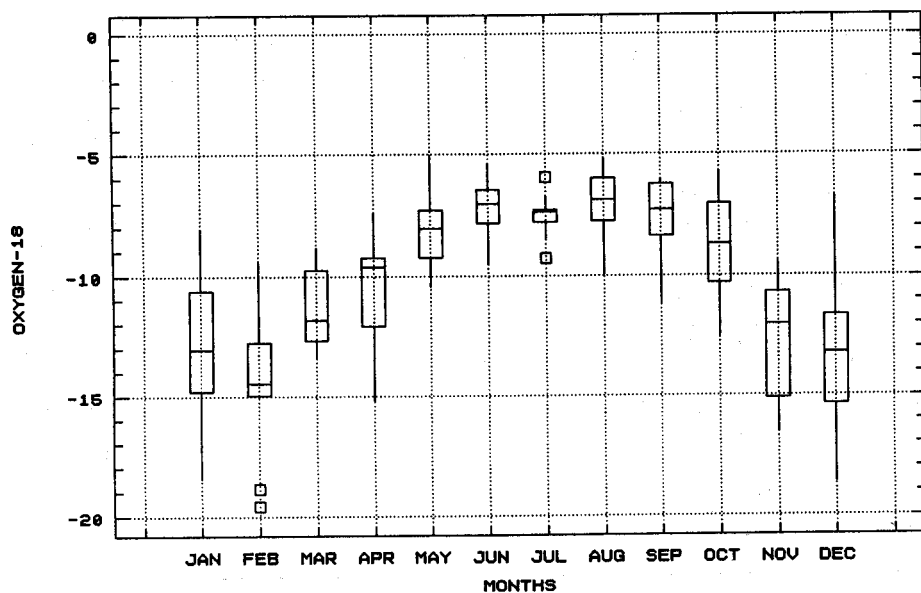
CORRELATIONS

	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	148	0.91	0.03	0.13	0.05	0.870	0.12
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	0.93	0.03	0.14	0.05	0.988	0.03
3) Monthly Deut vs. Monthly Precipitation	154	0.30	0.06	-87.88	3.78	0.134	24.31
4) Monthly Oxyg-18 vs. Monthly Prec	154	0.04	0.01	-12.03	0.48	0.132	3.08
5) Monthly Deut vs. Monthly Temperature	154	2.61	0.18	-92.58	1.96	0.580	16.92
6) Monthly Oxyg-18 vs. Monthly Temp	154	0.33	0.02	-12.62	0.25	0.570	2.17
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	154	7.88	0.06	7.06	0.65	0.991	2.50
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	154	7.91	0.06	7.43	0.68	0.991	2.50

1256500 KRAKOW (WOLA JUSTOWSKA), POLAND

Lat. 50.07N Long. 19.88E Alt. 205 m a.s.l.





1284300 BUDAPEST (LÖRINC), HUNGARY

Lat. 47.43N Long. 19.22E Alt. 139 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1977	479 (12)	68.4 (89.3/11)	70.8							10.9 (12)	9.6 (12)
1978	520 (12)	91.9 (100.0/12)	77.3							9.6 (12)	9.6 (12)
1979	549 (12)	55.4 (100.0/12)	54.3							10.8 (12)	9.9 (12)
1980	582 (12)	33.3 (100.0/12)	35.1							9.3 (12)	9.2 (12)
1981	451 (12)	59.7 (100.0/12)	56.2							10.7 (12)	10.0 (12)
1982	458 (12)	36.6 (100.0/12)	35.5							10.8 (12)	10.3 (12)
1983	377 (12)	33.8 (100.0/12)	34.2							9.7 (12)	9.7 (12)
1984	525 (12)	25.0 (100.0/12)	26.0							10.2 (12)	9.6 (12)
1985	490 (12)	27.0 (100.0/12)	27.2							9.6 (12)	9.4 (12)
1986	415 (12)	29.5 (86.9/10)	28.6							10.4 (12)	9.3 (12)
1987	198 (6)	22.8 (43.1/6)	22.1								
Long Term Means 459											
σ											10.2 0.6
											9.7 0.3

MONTHLY MEANS

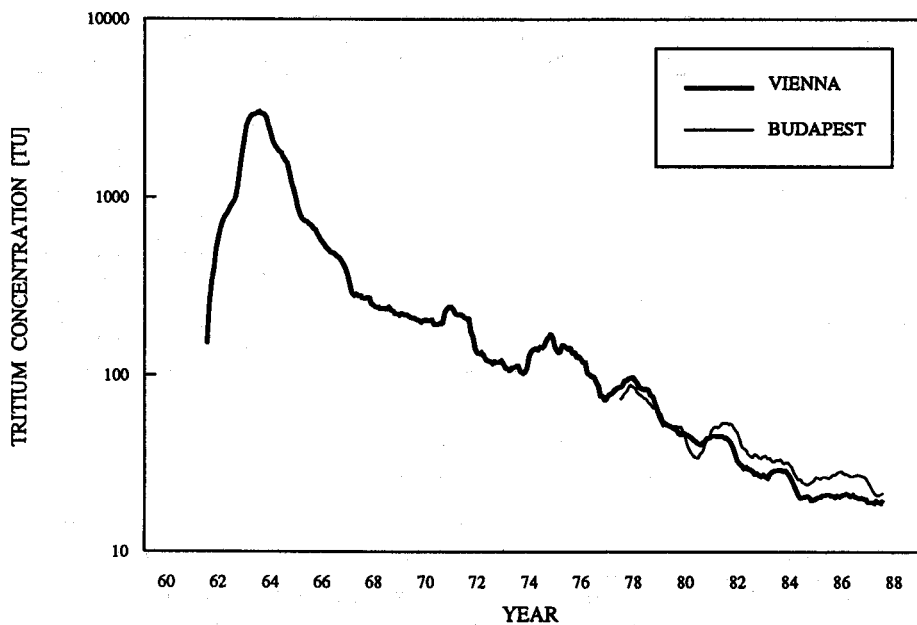
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	38	10										-1.4	2.7	10	4.7	0.9	10
Feb	30	10										0.2	2.6	9	5.1	0.9	10
Mar	34	10										6.3	1.8	10	6.9	0.8	10
Apr	27	10										10.5	1.6	10	7.9	0.9	10
May	63	10										16.0	1.6	10	11.8	1.0	10
Jun	55	10										19.0	1.5	10	14.1	1.2	10
Jul	45	11										20.5	1.6	11	14.8	1.0	11
Aug	43	11										20.2	1.2	11	14.9	0.9	11
Sep	28	11										16.6	1.5	11	12.6	1.5	11
Oct	26	11										11.1	0.8	11	9.8	1.1	11
Nov	53	11										4.3	1.3	11	7.1	0.6	11
Dec	38	11										1.0	1.9	11	5.8	0.8	11

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	115	0.78	0.04	0.38	0.06	0.762	0.12
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.72	0.11	0.49	0.17	0.867	0.07

1284300 BUDAPEST (LÖRINC), HUNGARY

Lat. 47.43N Long. 19.22E Alt. 139 m a.s.l.



1312701 ZAGREB, YUGOSLAVIA

Lat. 45.49N Long. 15.59E Alt. 165 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1975	812	30.9	30.9							11.4	11.4
	(12)		(12.9/2)							(12)	(12)
1976	908	84.1	85.6							10.7	11.2
	(12)		(100.0/12)							(12)	(12)
1977	1014	71.4	79.4							11.5	11.2
	(12)		(77.6/10)							(12)	(12)
1978	758	83.0	73.9							9.8	9.8
	(12)		(100.0/12)							(12)	(12)
1979	792	38.7	36.8							11.0	9.1
	(12)		(99.8/11)							(12)	(12)
1980	931	35.5	39.5	-8.94	-8.99	-62.7	-63.8	8.9	8.2	9.7	10.6
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	(12)
1981	871	39.8	38.3	-9.44	-9.37	-67.4	-66.7	8.2	8.3	11.7	10.5
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	(12)
1982	782	24.5	25.1	-8.56	-8.59	-61.0	-60.5	7.5	8.3		
	(10)		(93.0/10)		(93.0/10)		(93.0/10)		(93.0/10)		
1983	755	27.4	26.3	-9.08	-8.38	-65.3	-60.4	7.4	6.7	12.1	10.3
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	(12)
1984	897	19.8	19.6	-9.25	-9.31	-64.3	-65.0	9.8	9.5	11.0	10.1
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	(12)
1985	800	18.6	18.4	-9.13	-9.43	-64.2	-66.9	8.9	8.6	11.0	10.0
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	(12)
1986	786	21.6	19.3	-8.96	-9.25	-64.5	-67.0	7.2	7.0	11.1	10.4
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	(12)
1987	816	22.9	23.3	-9.22	-9.33	-64.7	-65.6	9.1	9.1	11.4	10.2
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	(12)
Long Term											
Means 840				-9.08	-9.08	-64.3	-64.5	8.4	8.2	11.0	10.4
σ				0.26	0.39	1.9	2.7	0.9	0.9	0.7	0.6

MONTHLY MEANS

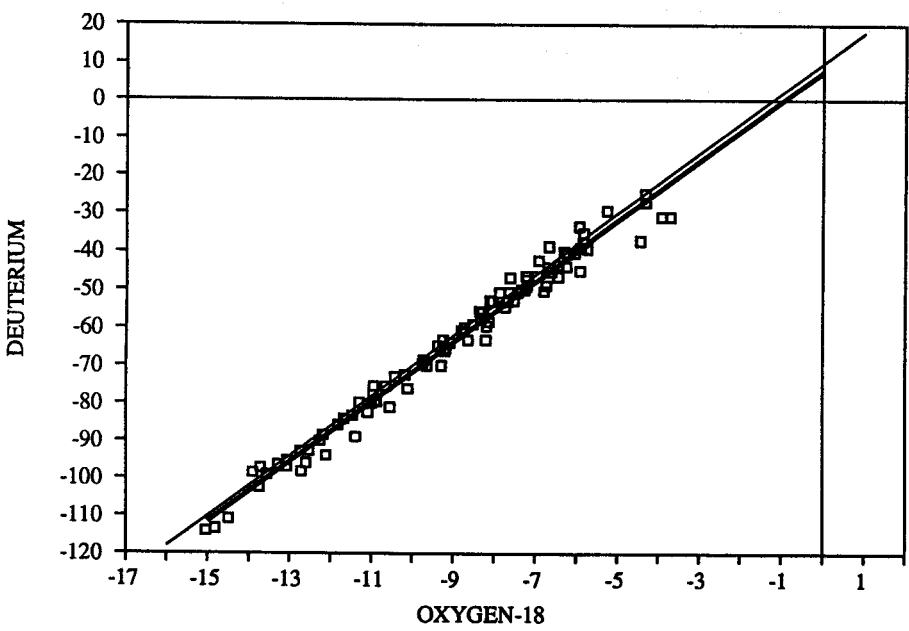
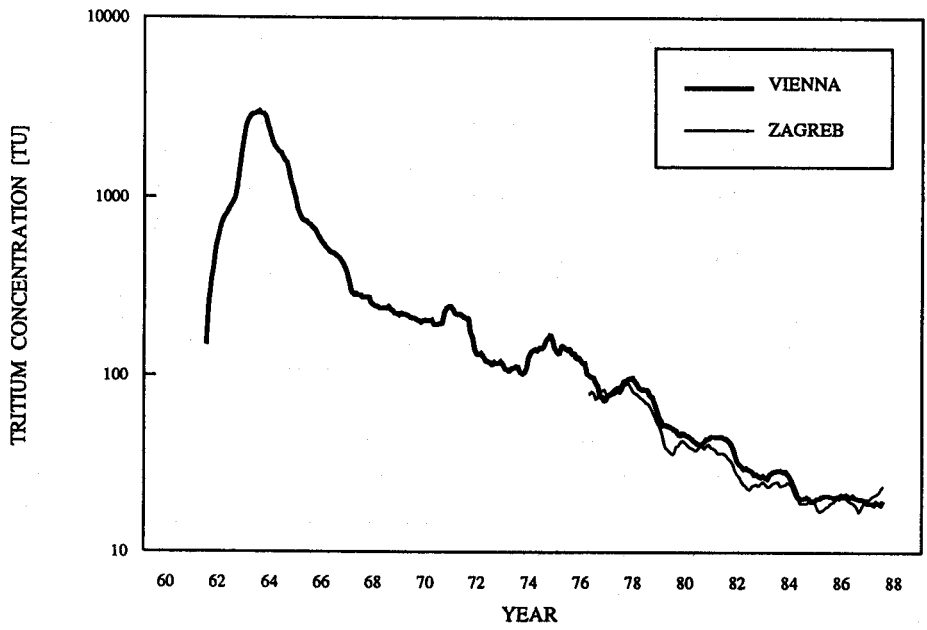
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	61	12	-12.91	1.96	7	-95.3	16.6	7	7.9	3.1	7	0.5	2.3	12	5.1	0.9	12
Feb	53	12	-12.24	2.24	7	-90.3	17.3	7	7.5	3.0	7	1.7	2.1	12	5.5	1.1	12
Mar	57	13	-10.46	1.31	8	-76.4	12.2	8	7.3	3.3	8	6.7	2.4	13	7.0	1.4	13
Apr	57	13	-8.72	2.17	8	-62.7	15.7	8	7.1	4.2	8	11.2	1.6	13	8.5	1.1	13
May	75	13	-7.18	1.07	8	-49.2	9.0	8	8.2	1.7	8	16.0	1.8	13	12.2	1.2	13
Jun	92	13	-6.76	1.69	8	-46.8	11.6	8	7.2	4.7	8	19.1	1.0	13	14.7	0.9	13
Jul	80	13	-6.46	2.13	8	-43.4	15.1	8	8.3	4.2	8	21.0	1.6	13	16.6	1.7	13
Aug	75	13	-6.68	1.25	8	-45.3	10.5	8	8.1	2.2	8	20.1	1.4	13	16.4	1.5	13
Sep	78	13	-7.13	1.24	8	-49.0	11.2	8	8.1	3.4	8	16.9	1.7	13	14.3	1.8	13
Oct	80	13	-8.56	1.34	8	-57.4	12.9	8	11.1	2.6	8	11.7	1.1	13	10.8	1.3	13
Nov	75	13	-10.94	1.85	8	-78.5	14.3	8	9.0	1.1	8	5.6	1.7	13	7.5	1.2	13
Dec	66	13	-11.88	1.59	8	-87.1	14.2	8	7.9	2.1	8	2.3	1.9	13	6.1	0.8	13

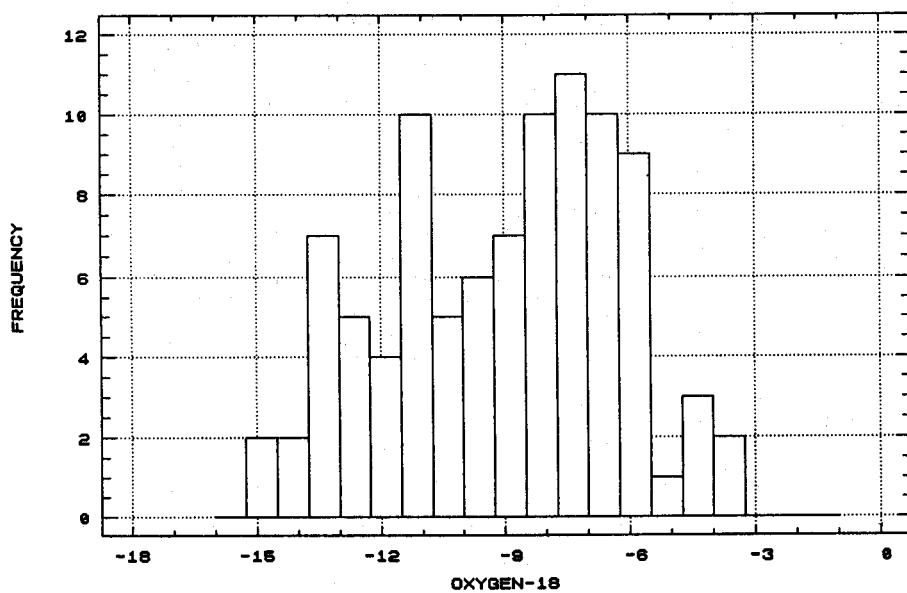
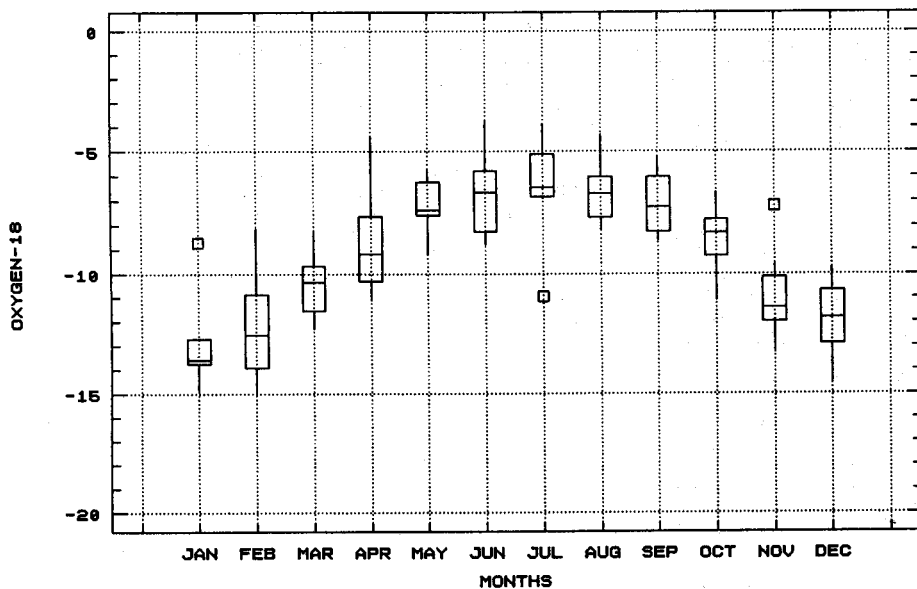
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	134	0.91	0.04	0.07	0.07	0.769	0.15
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	11	0.87	0.07	0.15	0.11	0.951	0.06
3) Monthly Deut vs. Monthly Precipitation	94	0.02	0.07	-65.86	5.19	0.001	22.44
4) Monthly Oxyg-18 vs. Monthly Prec	94	0.00	0.01	-9.14	0.65	0.000	2.79
5) Monthly Deut vs. Monthly Temperature	94	2.37	0.18	-91.58	2.43	0.661	13.07
6) Monthly Oxyg-18 vs. Monthly Temp	94	0.30	0.02	-12.46	0.30	0.664	1.62
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	94	7.95	0.12	7.75	1.11	0.980	3.14
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	94	8.03	0.12	8.47	1.15	0.980	3.14

1312701 ZAGREB, YUGOSLAVIA

Lat. 45.49N Long. 15.59E Alt. 165 m a.s.l.





1612000 GENOA (SESTRI), ITALY

Lat. 44.42N Long. 8.85E Alt. 2 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	1406 (12)	122.9 (35.0/2)	115.1	-7.52 (35.0/2)	-6.85	-55.2 (35.0/2)	-47.8	5.0 (35.0/2)	7.1	15.9 (12)	12.4 (12)
1962	976 (12)	510.1 (89.7/9)	513.4	-6.00 (99.2/10)	-6.08	-37.7 (99.2/10)	-40.4	10.4 (99.2/10)	8.3	14.9 (12)	12.5 (12)
1963	1651 (12)	1303.3 (95.2/10)	1606.7	-4.91 (91.0/11)	-5.49	-31.1 (91.0/11)	-36.2	8.2 (91.0/11)	7.8	15.3 (12)	12.9 (12)
1964	1093 (12)	744.0 (95.6/11)	716.0	-4.64 (100.0/12)	-4.21	-28.6 (100.0/12)	-25.3	8.6 (100.0/12)	8.5	16.3 (12)	12.9 (12)
1965	947 (12)	288.0 (99.7/11)	372.0	-5.18 (100.0/12)	-4.83	-27.1 (100.0/12)	-27.1	14.4 (100.0/12)	11.6	15.4 (12)	12.0 (12)
1966	1162 (12)	197.0 (100.0/12)	236.0	-5.72 (21.8/2)	-5.25					16.0 (12)	13.3 (12)
1967	644 (12)	128.1 (89.4/10)	146.7							14.6 (12)	14.2 (12)
1968	1036 (12)	131.1 (100.0/12)	159.4							13.8 (12)	14.0 (12)
1969	703 (12)	116.4 (100.0/11)	139.3							15.3 (12)	13.2 (12)
1970	1463 (12)	49.7 (99.3/10)	93.0							15.6 (12)	13.4 (12)
1971	1033 (12)	103.0 (87.2/10)	110.2							15.9 (12)	13.4 (12)
1972	1362 (12)	97.9 (39.7/5)	105.8							15.1 (12)	11.9 (12)
1973	944 (12)	96.7 (18.0/4)	98.0	-4.94 (100.0/12)	-4.63	-31.0 (100.0/12)	-28.8	8.5 (100.0/12)	8.3	15.7 (12)	13.7 (12)
1974	1082 (12)	79.8 (65.2/10)	84.8	-6.07 (89.4/11)	-5.37	-39.5 (88.0/10)	-32.5	9.1 (88.0/10)	9.4	13.7 (12)	13.4 (12)
1975	1312 (12)	61.8 (99.7/11)	74.4	-6.78 (88.8/10)	-6.17	-42.6 (88.8/10)	-38.2	11.6 (88.8/10)	11.3	12.7 (12)	12.8 (12)
1976	1189 (12)	40.5 (100.0/11)	48.0	-5.58 (100.0/11)	-6.13	-33.7 (100.0/11)	-39.6	11.1 (100.0/11)	9.5	12.7 (12)	12.6 (12)
1977	1602 (12)	36.5 (100.0/12)	43.4	-4.97 (60.1/9)	-4.90	-25.3 (100.0/12)	-27.4	12.2 (60.1/9)	11.4	13.4 (12)	13.0 (12)
1978	967 (12)	40.8 (100.0/12)	43.5	-5.66 (61.7/10)	-5.59	-36.6 (61.7/10)	-35.5	8.8 (61.7/10)	9.2	13.5 (12)	12.5 (12)
1979	1565 (12)	42.5 (100.0/12)	49.4	-5.75 (100.0/12)	-5.27	-39.4 (100.0/12)	-35.6	6.7 (100.0/12)	6.6	13.5 (12)	12.8 (12)
1980	1144 (12)	36.6 (100.0/12)	36.0	-5.84 (100.0/12)	-4.94	-37.0 (100.0/12)	-29.5	9.8 (100.0/12)	10.2	13.8 (12)	13.5 (12)
1981	939 (12)	27.0 (99.7/11)	30.0	-5.77 (99.7/11)	-4.92	-31.3 (99.7/11)	-27.3	14.9 (99.7/11)	12.1	13.6 (12)	13.6 (12)
1982	1011 (12)	14.2 (100.0/12)	18.5	-6.92 (100.0/12)	-5.26	-44.0 (100.0/12)	-32.4	11.5 (100.0/12)	9.8	14.1 (12)	14.0 (12)
1983	925 (12)	16.7 (100.0/12)	20.5	-6.10 (100.0/12)	-5.07	-38.3 (100.0/12)	-29.0	10.6 (100.0/12)	11.6	13.8 (12)	14.2 (12)
1984	1115 (12)	12.0 (100.0/11)	11.5	-6.61 (100.0/11)	-6.83	-41.9 (100.0/11)	-44.5	11.0 (100.0/11)	10.2		
1985	844 (12)	9.4 (92.5/10)	11.0	-5.87 (100.0/11)	-5.23	-35.0 (100.0/11)	-30.8	12.0 (100.0/11)	11.1	13.9 (12)	13.4 (12)
1986	895 (12)	11.7 (100.0/12)	14.2	-5.10 (100.0/12)	-4.94	-28.3 (100.0/12)	-27.0	12.6 (100.0/12)	12.6	13.9 (12)	13.2 (12)
1987	1151 (12)	9.0 (100.0/12)	9.7	-6.39 (97.3/11)	-6.64	-42.3 (97.3/11)	-44.0	8.9 (97.3/11)	9.2	13.8 (12)	13.5 (12)
Long Term Means 1117				-5.78	-5.41	-35.1	-33.1	10.3	9.9	14.5	13.2
σ				0.67	0.72	5.9	6.1	2.2	1.6	1.0	0.6

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	111	27	-5.97	2.04	19	-37.4	18.6	18	11.0	4.1	18	6.5	2.2	27	7.3	1.6	27
Feb	93	27	-7.42	1.89	19	-48.7	15.6	18	11.2	4.1	18	7.9	2.1	27	8.1	1.6	27
Mar	104	27	-5.95	1.87	17	-38.3	12.6	18	9.8	4.9	17	10.1	1.8	27	9.6	1.6	27
Apr	87	27	-4.39	1.42	19	-27.5	11.3	19	7.7	4.7	19	12.9	1.6	27	11.4	1.2	27
May	73	27	-4.48	1.48	19	-28.8	10.9	19	7.1	4.6	19	16.1	1.8	27	14.1	1.3	27
Jun	56	27	-4.02	1.21	17	-26.2	9.7	17	5.9	4.5	17	19.2	1.9	27	17.0	1.6	27
Jul	28	27	-4.02	1.55	14	-22.3	11.0	14	7.7	2.0	13	22.5	2.0	26	20.1	1.9	26
Aug	73	27	-3.78	1.38	17	-21.6	9.6	17	8.7	3.6	17	22.2	1.8	27	19.7	1.8	27
Sep	100	27	-4.72	1.37	18	-26.4	12.5	18	11.3	4.7	18	20.1	1.9	27	17.4	2.6	27
Oct	191	27	-6.23	2.14	18	-35.7	17.5	19	13.0	5.4	18	15.8	2.2	27	13.6	2.2	27
Nov	121	27	-6.81	2.48	19	-41.4	21.6	19	13.1	5.1	19	11.2	2.1	27	10.1	1.5	27
Dec	79	27	-6.16	1.74	20	-38.6	16.0	20	10.7	3.7	20	8.2	1.9	27	8.4	1.7	27

CORRELATIONS

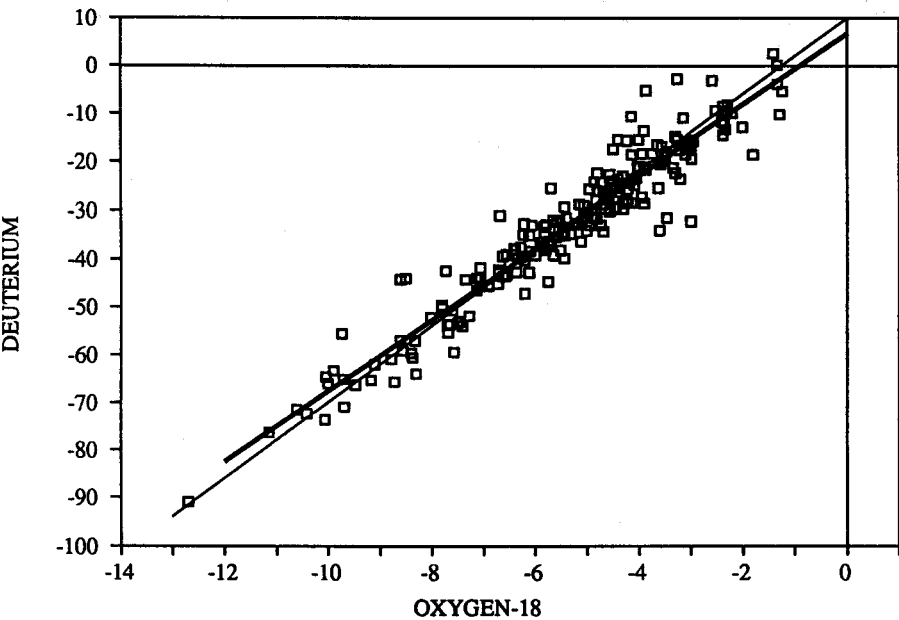
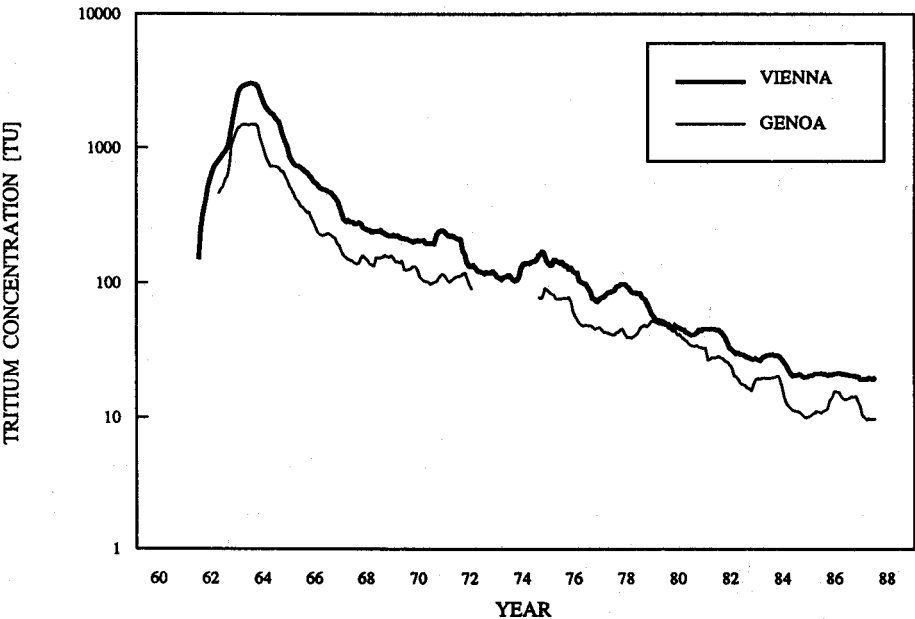
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	264	0.94	0.02	-0.13	0.04	0.906	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	22	0.93	0.04	-0.17	0.08	0.968	0.11
3) Monthly Deut vs. Monthly Precipitation	216	-0.04	0.01	-29.63	1.68	0.033	16.02
4) Monthly Oxyg-18 vs. Monthly Prec	216	-0.01	0.00	-4.81	0.22	0.052	2.03
5) Monthly Deut vs. Monthly Temperature	216	1.47	0.17	-53.31	2.48	0.266	13.95
6) Monthly Oxyg-18 vs. Monthly Temp	216	0.20	0.02	-8.14	0.31	0.304	1.74
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	213	7.43	0.15	6.80	0.89	0.916	4.71
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	213	7.77	0.15	8.59	0.95	0.916	4.71

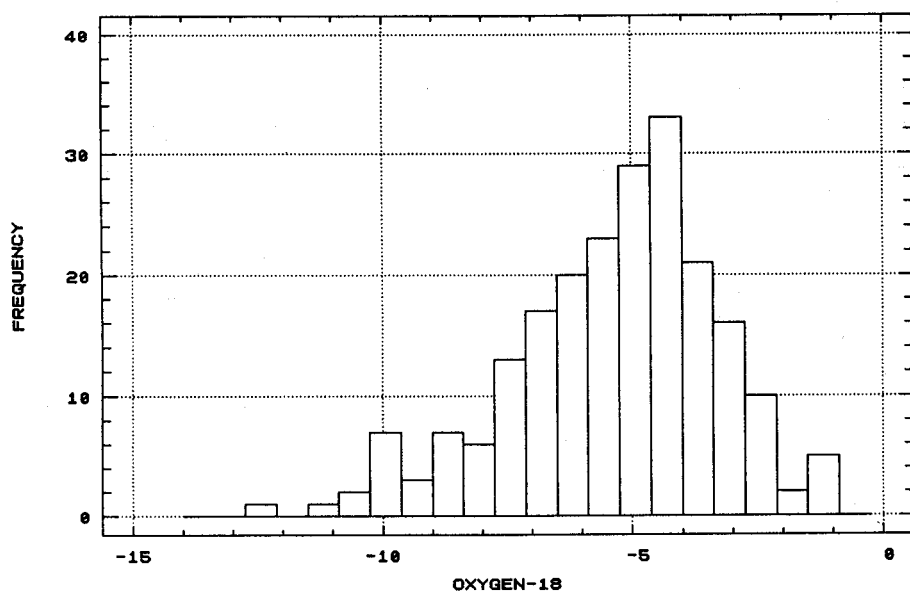
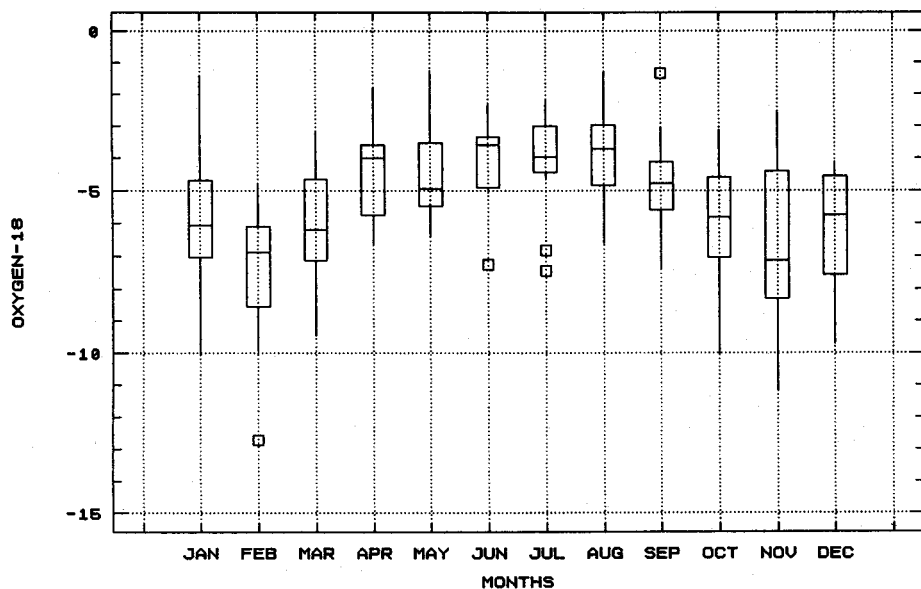
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
62	/ 7	1.90	-13.7		
78	/ 1	-8.24	-5.0		
87	/ 6	-0.73	-45.2		

1612000 GENOA (SESTR), ITALY

Lat. 44.42N Long. 8.85E Alt. 2 m a.s.l.





1713000 ANKARA (CENTRAL), TURKEY

Lat. 39.95N Long. 32.88E Alt. 902 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1963	601 (12)	2586.9 (33.4/6)	3065.0	-6.75 (29.7/5)	-6.53					12.7 (12)	8.1 (12)
1964	417 (12)	2827.9 (40.2/5)	2210.0	-9.18 (68.3/9)	-7.65	-86.0 (10.7/1)	-86.0	4.1 (10.7/1)	4.1	11.0 (12)	8.1 (12)
1965	350 (12)									11.8 (12)	8.6 (12)
1966	449 (12)	605.6 (99.5/11)	613.5	-6.54 (87.0/10)	-5.53	-49.9 (87.0/10)	-41.3	2.4 (87.0/10)	3.1	13.4 (12)	9.4 (12)
1967	362 (12)	321.5 (98.8/11)	342.0	-8.39 (87.8/10)	-6.47	-55.7 (87.8/10)	-43.9	11.4 (87.8/10)	7.9	11.2 (12)	8.3 (12)
1968	573 (12)	263.6 (100.0/12)	283.5	-8.14 (69.1/9)	-7.51	-50.7 (69.1/9)	-47.5	14.5 (69.1/9)	12.6	11.8 (12)	8.7 (12)
1969	490 (12)	186.1 (100.0/11)	197.1	-9.93 (100.0/11)	-7.94	-69.2 (100.0/11)	-56.2	10.3 (100.0/11)	7.4	11.9 (12)	8.3 (12)
1970	373 (12)	189.8 (79.3/9)	218.9	-7.39 (89.0/10)	-6.14	-51.7 (86.8/10)	-42.9	10.0 (75.8/9)	8.4	12.4 (12)	8.3 (12)
1971	399 (12)	247.8 (23.8/6)	243.7	-7.96 (100.0/12)	-7.26					11.9 (12)	8.4 (12)
1972	443 (12)	136.7 (100.0/12)	129.0	-6.13 (100.0/12)	-7.20	-39.2 (100.0/12)	-47.4	10.0 (100.0/12)	10.3	10.9 (12)	8.4 (12)
1973	329 (12)	113.6 (100.0/12)	115.9	-7.39 (100.0/12)	-6.38	-49.2 (100.0/12)	-43.5	9.9 (100.0/12)	7.6	11.2 (12)	7.9 (12)
1974	378 (12)	117.7 (100.0/12)	103.0	-8.18 (100.0/12)	-7.50	-52.6 (100.0/12)	-49.0	12.8 (100.0/12)	11.1	11.4 (12)	7.9 (12)
1975	515 (12)									11.4 (12)	8.3 (12)
1976	439 (12)									10.5 (12)	8.2 (12)
1977	242 (12)	48.7 (13.2/2)	49.8	-5.48 (17.7/3)	-5.25	-31.5 (17.7/3)	-29.6	12.4 (17.7/3)	12.4	11.8 (12)	8.1 (12)
1978	431 (12)	60.3 (97.4/10)	76.9	-8.77 (97.6/11)	-7.11	-60.2 (97.4/10)	-51.4	10.2 (97.4/10)	8.4	11.9 (12)	8.0 (12)
1979	349 (12)	35.2 (100.0/11)	43.2	-8.00 (100.0/11)	-7.20	-52.2 (100.0/11)	-48.2	11.8 (100.0/11)	9.5	12.5 (12)	8.5 (12)
1980	417 (12)	30.0 (99.7/11)	40.1	-9.56 (99.7/11)	-8.32	-65.9 (99.7/11)	-60.1	10.6 (99.7/11)	6.6	11.3 (12)	8.2 (12)
1981	532 (9)	48.3 (82.6/6)	51.0	-9.12 (82.6/6)	-8.44	-63.9 (82.6/6)	-59.0	9.1 (82.6/6)	8.5		
1982	374 (12)	24.0 (11.7/3)	21.7	-6.26 (34.2/5)	-6.50	-34.4 (34.2/5)	-37.9	15.7 (34.2/5)	14.2	11.0 (12)	8.0 (12)
1983	421 (6)	29.4 (60.1/8)	29.9	-8.99 (100.0/12)	-9.23	-61.6 (100.0/12)	-63.6	10.4 (100.0/12)	10.3		
1984	318 (12)	22.3 (98.7/10)	22.6	-7.96 (98.7/10)	-8.15	-52.5 (98.7/10)	-55.1	11.3 (98.7/10)	10.1	11.5 (12)	8.2 (12)
1985	401 (12)	17.3 (98.7/9)	19.0	-9.82 (98.7/9)	-9.14	-67.9 (98.7/9)	-63.1	10.7 (98.7/9)	10.1	11.4 (12)	8.4 (12)
1986	383 (12)	16.9 (100.0/11)	17.4	-8.02 (100.0/11)	-7.00	-49.9 (100.0/11)	-42.7	14.3 (100.0/11)	13.4	12.3 (12)	8.3 (12)
1987	417 (12)	13.3 (71.7/8)	15.8	-9.08 (99.5/11)	-8.80	-59.7 (99.5/11)	-58.4	12.9 (99.5/11)	12.0	11.5 (12)	8.2 (12)
Long Term											
Means 401				-8.34	-7.52	-56.7	-51.6	10.5	9.0	11.7	8.3
σ				1.07	1.06	8.2	7.7	2.5	2.3	0.6	0.3

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	54	25	-11.63	2.21	18	-83.8	18.1	16	12.1	5.5	16	0.1	2.8	25	4.9	1.0	25
Feb	36	25	-10.99	2.91	18	-73.7	23.7	16	12.5	3.3	16	1.8	3.1	25	5.1	0.8	25
Mar	35	25	-9.09	2.29	19	-62.8	16.8	18	11.6	5.3	18	5.9	1.8	25	5.9	0.6	25
Apr	51	23	-7.28	2.81	19	-45.0	18.5	17	10.1	4.5	17	10.8	1.7	23	7.6	0.7	23
May	56	23	-6.31	1.94	19	-40.0	15.6	16	7.8	4.9	16	15.6	1.2	23	10.1	0.9	23
Jun	34	23	-4.31	1.52	18	-29.9	10.1	16	4.2	7.5	16	19.6	0.8	23	11.4	0.8	23
Jul	15	25	-3.84	2.56	20	-27.7	18.6	16	5.4	6.1	16	22.8	1.2	25	11.9	0.9	25
Aug	12	25	-4.16	2.04	15	-31.4	13.8	13	4.2	7.2	13	22.4	1.5	25	11.6	0.8	25
Sep	16	25	-5.06	1.92	15	-27.4	12.4	12	8.4	4.6	12	18.4	1.1	25	9.8	0.8	25
Oct	26	24	-6.76	2.60	17	-43.5	20.4	15	8.4	6.6	15	12.8	1.9	24	8.2	1.0	24
Nov	31	24	-8.73	2.09	18	-57.1	19.7	16	13.6	3.4	16	7.2	2.0	24	7.0	1.1	24
Dec	50	24	-10.62	1.74	16	-75.5	11.2	15	13.1	5.1	14	2.4	2.1	24	5.6	0.8	24

CORRELATIONS

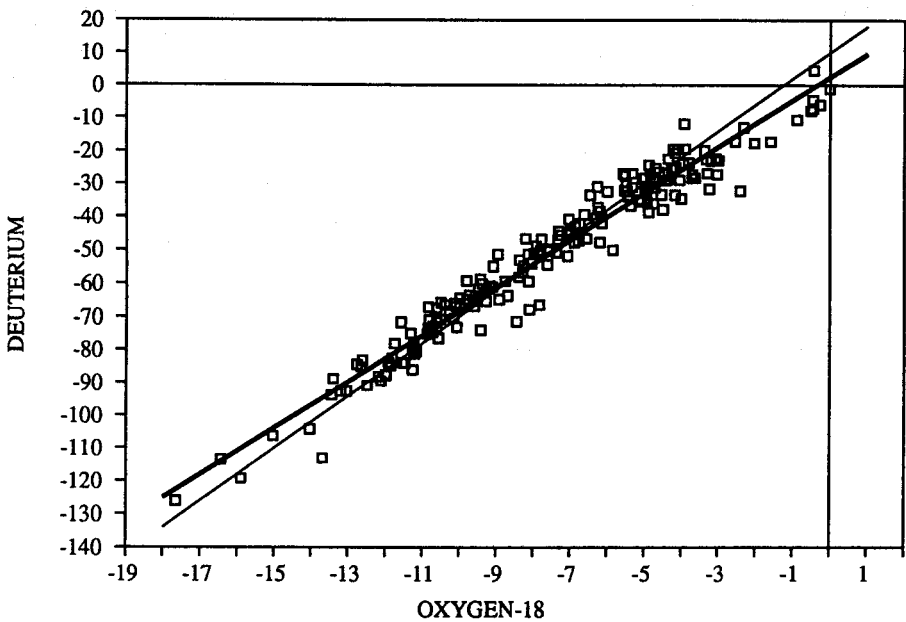
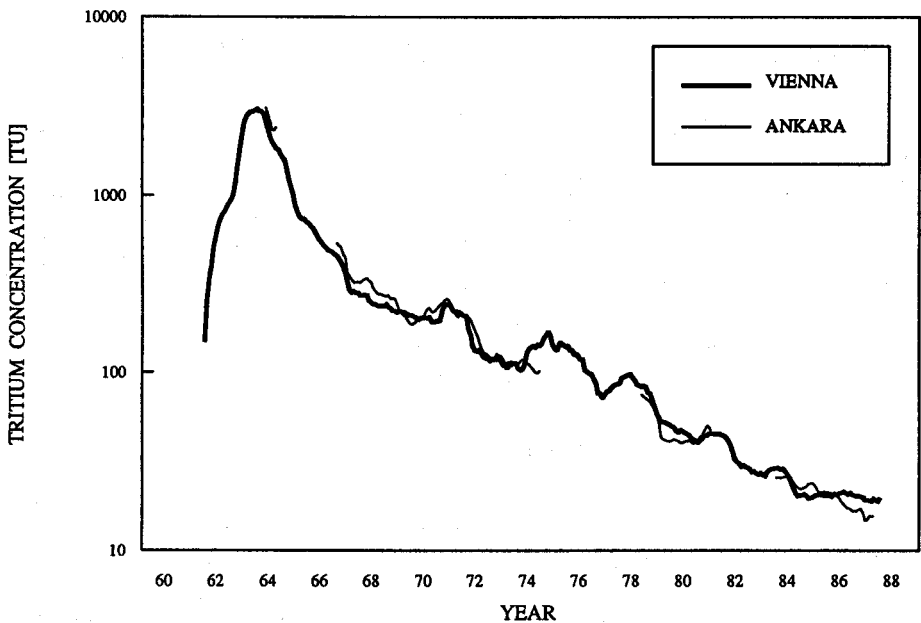
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	187	1.07	0.02	-0.16	0.04	0.938	0.15
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	14	1.10	0.05	-0.26	0.10	0.977	0.08
3) Monthly Deut vs. Monthly Precipitation	186	-0.33	0.07	-38.50	3.23	0.099	24.22
4) Monthly Oxyg-18 vs. Monthly Prec	212	-0.05	0.01	-5.48	0.40	0.138	3.22
5) Monthly Deut vs. Monthly Temperature	177	2.46	0.15	-78.22	2.10	0.597	16.31
6) Monthly Oxyg-18 vs. Monthly Temp	203	0.34	0.02	-11.37	0.26	0.630	2.13
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	185	7.09	0.11	2.58	0.93	0.956	5.35
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	185	7.25	0.11	3.79	1.01	0.956	5.35

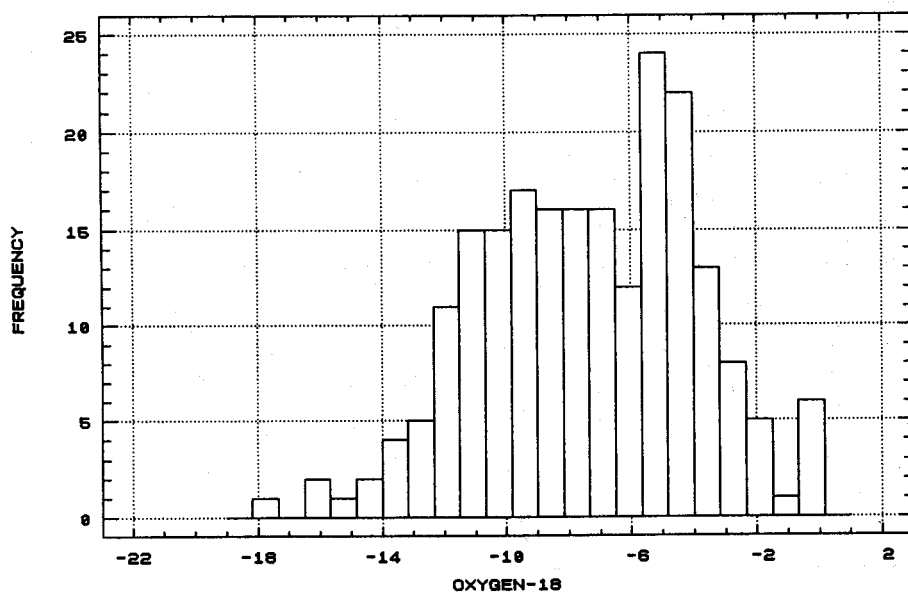
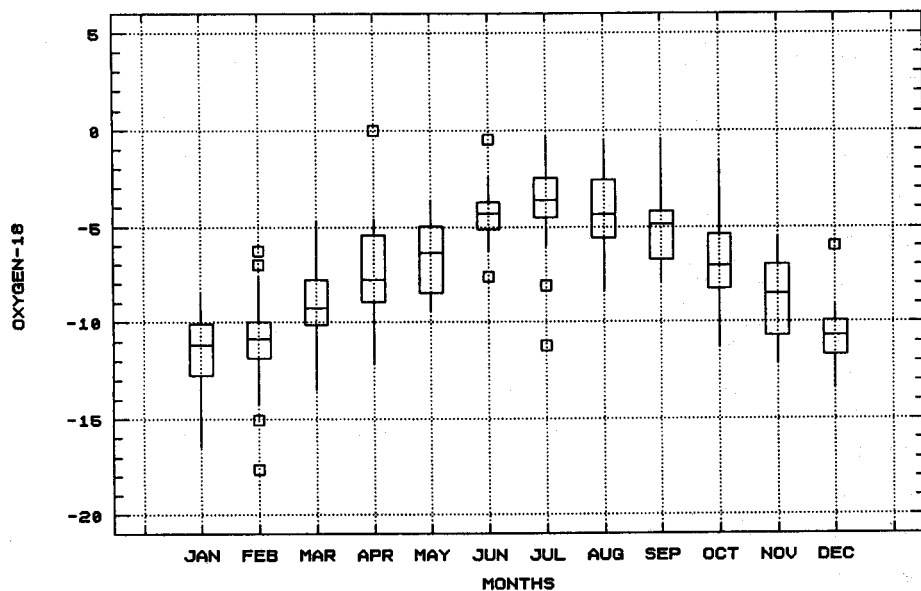
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
67	/ 9	3.41	6.7		
68	/ 10	-3.18	4.3		
84	/ 10	-3.73	-44.0		

1713000 ANKARA (CENTRAL), TURKEY

Lat. 39.95N Long. 32.88E Alt. 902 m a.s.l.





1730000 ANTALYA, TURKEY

Lat. 36.88N Long. 30.70E Alt. 49 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1963	943 (12)	711.5 (99.5/9)	717.9	-6.10 (8.4/1)	-6.10	-34.9 (8.4/1)	-34.9	13.9 (8.4/1)	13.9	19.4 (12)	14.0 (12)
1964	580 (12)	633.2 (42.7/3)	698.4	-4.80 (42.7/3)	-5.05	-21.9 (42.7/3)	-24.0	16.6 (42.7/3)	16.5	18.6 (12)	13.4 (12)
1965	1376 (12)	78.9 (30.8/3)	130.7	-4.91 (26.5/1)	-4.91	-19.2 (26.5/1)	-19.2	20.1 (26.5/1)	20.1	18.4 (12)	14.2 (12)
1966	792 (12)	129.3 (99.6/9)	170.7	-5.28 (71.0/4)	-4.22	-22.2 (71.0/4)	-20.1	20.1 (71.0/4)	13.7	19.4 (12)	15.2 (12)
1967	1184 (12)	116.0 (90.0/8)	130.3	-7.88 (14.8/1)	-7.88	-39.3 (14.8/1)	-39.3	23.8 (14.8/1)	23.8	18.4 (12)	13.6 (12)
1968	1323 (12)	85.8 (97.7/8)	125.0	-6.00 (12.3/1)	-6.00	-23.8 (12.3/1)	-23.8	24.3 (12.3/1)	24.3	18.8 (12)	15.1 (12)
1969	1914 (12)	73.2 (100.0/10)	132.0							18.8 (12)	15.0 (12)
1970	992 (12)	65.6 (100.0/10)	91.4	-5.28 (99.8/9)	-4.28	-25.0 (99.8/9)	-17.1	17.3 (99.8/9)	17.2	19.3 (12)	14.7 (12)
1971	1069 (12)	65.1 (100.0/11)	110.3	-5.46 (99.9/10)	-4.19					19.0 (12)	14.6 (12)
1972	632 (12)	59.4 (100.0/10)	69.2	-6.47 (100.0/10)	-4.66	-35.1 (100.0/10)	-22.8	16.8 (100.0/10)	14.5	18.6 (12)	14.6 (12)
1973	554 (12)	28.5 (100.0/9)	44.7	-4.79 (100.0/9)	-3.74	-25.7 (100.0/9)	-20.2	12.7 (100.0/9)	9.8	19.3 (12)	13.8 (12)
1974	1302 (12)	30.4 (100.0/10)	61.9	-5.50 (99.9/9)	-4.49	-24.4 (99.9/9)	-18.5	19.6 (99.9/9)	17.4	19.1 (12)	14.1 (12)
1975	1281 (12)									18.1 (12)	13.6 (12)
1976	1137 (12)									17.4 (12)	14.0 (12)
1977	996 (12)	25.1 (55.7/3)	24.3	-6.65 (55.7/3)	-5.21	-31.8 (55.7/3)	-20.7	21.5 (55.7/3)	21.0	18.1 (12)	14.8 (12)
1978	1438 (12)	22.3 (99.9/8)	28.7	-5.39 (100.0/9)	-4.94	-23.2 (99.9/8)	-22.1	20.0 (99.9/8)	18.6	18.3 (12)	14.0 (12)
1979	1284 (12)	15.8 (99.8/9)	21.2	-5.37 (100.0/11)	-4.48	-27.0 (70.3/10)	-25.1	17.0 (70.3/10)	10.3	18.6 (12)	14.5 (12)
1980	828 (12)	13.7 (95.7/8)	17.0	-4.79 (100.0/10)	-3.91	-21.3 (100.0/10)	-18.2	17.1 (100.0/10)	13.1	17.7 (12)	14.4 (12)
1981	1799 (12)	20.4 (29.5/4)	24.6	-6.23 (27.3/2)	-6.29	-30.2 (58.8/5)	-27.7	17.5 (27.3/2)	17.5	18.6 (12)	14.0 (12)
1982	833 (11)	11.6 (16.4/2)	11.4	-4.26 (22.7/3)	-4.33	-16.4 (22.7/3)	-17.8	17.7 (22.7/3)	16.9	17.5 (12)	14.1 (12)
1983	1158 (9)	14.3 (2.7/2)	15.1	-6.39 (100.0/10)	-6.90	-33.6 (100.0/10)	-40.8	17.6 (100.0/10)	14.5		
1984	1153 (12)	10.1 (99.9/8)	13.5	-6.30 (73.4/6)	-4.44	-30.6 (73.4/6)	-22.0	19.9 (73.4/6)	13.6	17.8 (12)	14.1 (12)
1985	1102 (12)	8.2 (100.0/8)	11.0	-5.79 (100.0/8)	-5.55	-30.4 (100.0/8)	-31.6	15.9 (100.0/8)	12.8	18.0 (12)	13.8 (12)
1986	853 (12)	8.9 (99.0/7)	10.8	-6.31 (99.8/9)	-3.67	-33.0 (99.8/9)	-21.6	17.5 (99.8/9)	7.9	18.2 (12)	14.4 (12)
1987	929 (12)	9.4 (99.4/9)	9.8	-5.86 (100.0/10)	-5.63	-36.4 (100.0/10)	-32.6	10.6 (100.0/10)	12.5	17.5 (12)	13.4 (12)
Long Term Means 1098 σ				-5.62 0.57	-4.70 0.93	-28.5 5.5	-24.6 7.7	16.9 2.9	13.8 3.3	18.5 0.6	14.2 0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	240	25	-5.90	2.19	15	-29.9	15.3	14	19.3	3.9	13	10.0	1.3	25	8.5	1.5	25
Feb	199	25	-5.79	0.97	14	-29.8	6.7	13	15.9	4.1	13	10.4	1.6	25	8.9	1.3	25
Mar	110	25	-5.01	2.33	16	-24.9	18.1	15	15.9	4.0	15	12.7	1.4	25	10.0	1.0	25
Apr	45	25	-5.03	2.51	13	-28.4	19.6	13	11.8	3.3	12	16.1	1.2	25	12.3	0.9	25
May	25	25	-3.92	2.05	13	-22.0	14.6	12	9.0	5.5	11	20.2	1.1	25	16.0	1.0	25
Jun	8	25	-3.74	2.34	7	-22.6	16.3	6	7.6	10.6	6	25.1	0.8	25	18.9	1.3	25
Jul	3	23	-4.23	2.23	3	-31.8	20.2	2	6.3	4.5	2	28.1	0.8	24	21.2	1.8	24
Aug	1	24	-4.09	4.32	2	-26.7	13.3	2	6.0	21.2	2	27.7	1.0	24	21.6	1.9	24
Sep	10	24	-1.44	0.93	8	-5.2	9.5	8	6.3	8.1	8	24.6	0.9	24	18.2	1.8	24
Oct	82	25	-3.83	1.59	15	-19.9	11.7	14	11.9	9.0	14	19.7	1.3	25	14.1	1.8	25
Nov	150	25	-4.41	1.96	15	-19.3	11.6	14	15.2	10.3	14	14.8	1.4	25	11.2	1.5	25
Dec	225	25	-6.25	1.80	18	-30.2	14.3	17	20.1	3.9	17	11.3	1.2	25	9.1	1.2	25

CORRELATIONS

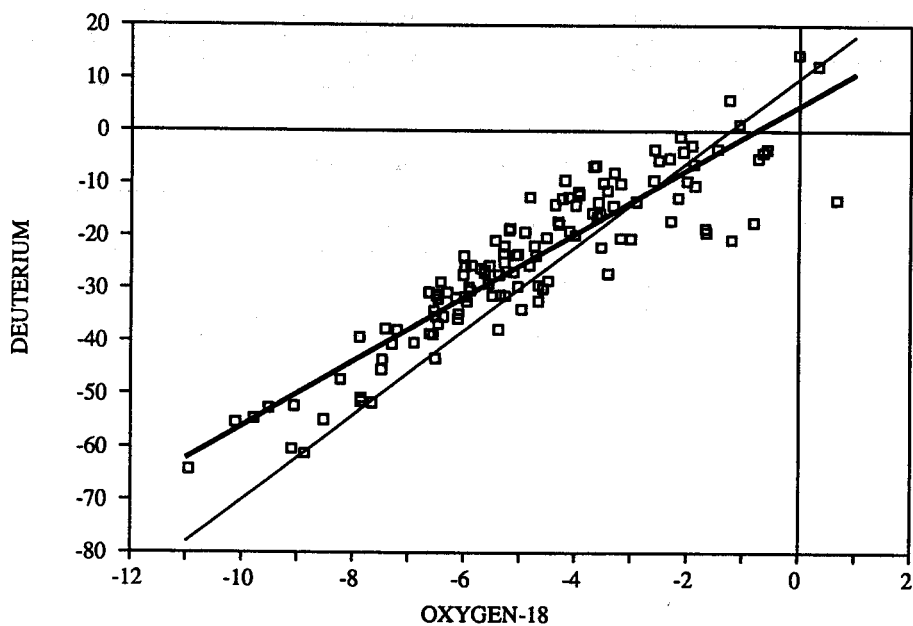
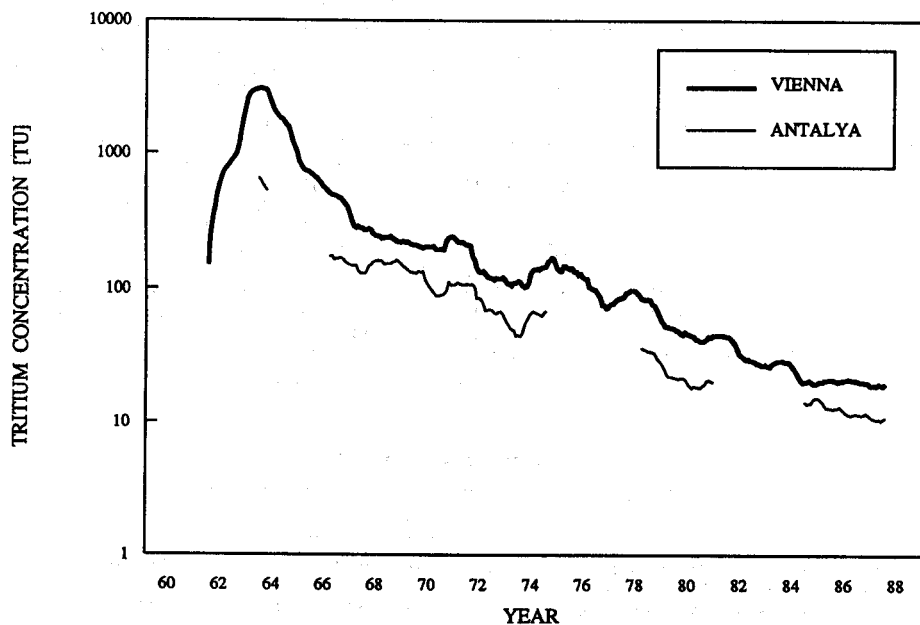
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	161	0.89	0.03	-0.09	0.06	0.869	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	16	0.89	0.04	-0.27	0.10	0.967	0.10
3) Monthly Deut vs. Monthly Precipitation	130	-0.03	0.01	-21.43	1.75	0.047	14.84
4) Monthly Oxyg-18 vs. Monthly Prec	139	-0.01	0.00	-3.98	0.24	0.144	2.07
5) Monthly Deut vs. Monthly Temperature	129	1.04	0.24	-40.33	3.92	0.128	14.17
6) Monthly Oxyg-18 vs. Monthly Temp	138	0.22	0.03	-8.20	0.51	0.275	1.91
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	127	6.08	0.25	4.79	1.31	0.829	6.34
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	127	6.67	0.24	7.65	1.42	0.829	6.34

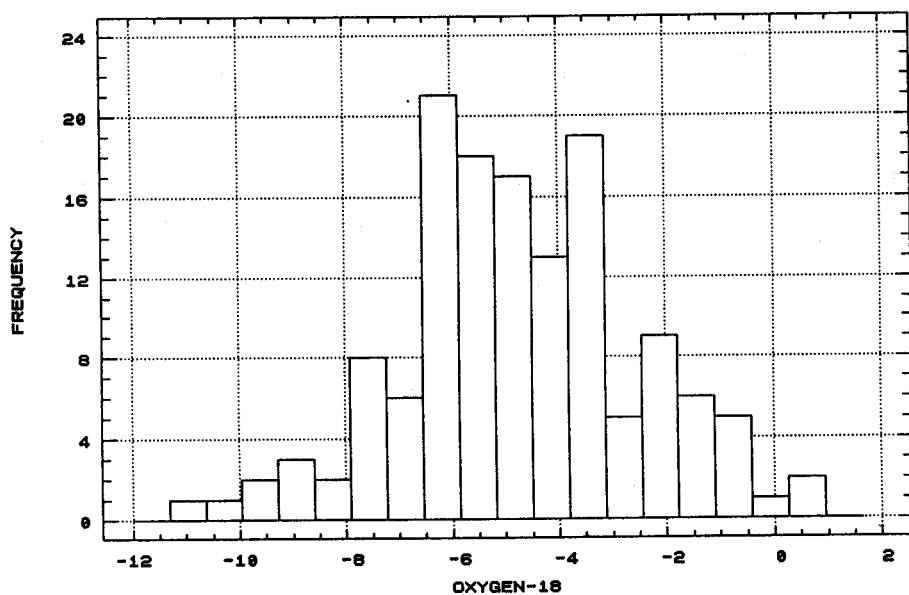
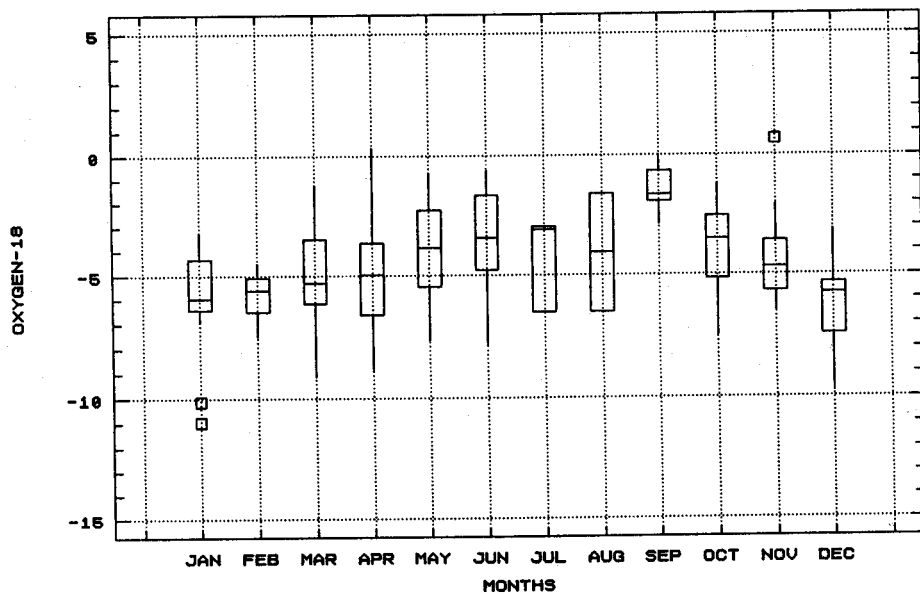
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
82 / 9	2.35	-10.6		
84 / 1	-6.73	-68.5		

1730000 ANTALYA, TURKEY

Lat. 36.88N Long. 30.70E Alt. 49 m a.s.l.





1735000 ADANA, TURKEY

Lat. 36.98N Long. 35.30E Alt. 73 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1963	725 (12)	1149.4 (59.3/4)	1187.5							19.1 (12)	16.6 (12)
1964	532 (12)	1028.5 (56.7/7)	1065.8	-5.43 (16.9/1)	-5.43	-33.0 (16.9/1)	-33.0	10.5 (16.9/1)	10.5	18.4 (12)	14.5 (12)
1965	667 (12)	573.0 (73.0/9)	547.5	-6.35 (26.0/2)	-6.14	-30.4 (26.0/2)	-29.9	20.4 (26.0/2)	19.3	18.7 (12)	15.1 (12)
1966	732 (12)	173.2 (99.8/10)	256.8	-6.28 (40.1/3)	-4.60	-29.3 (38.6/2)	-27.1	22.5 (38.6/2)	22.0	19.9 (12)	16.2 (12)
1967	842 (12)	184.7 (100.0/11)	249.4	-5.66 (13.0/1)	-5.66	-33.5 (13.0/1)	-33.5	11.8 (13.0/1)	11.8	18.6 (12)	15.0 (12)
1968	1265 (12)	97.9 (100.0/11)	149.7	-6.79 (18.1/1)	-6.79	-28.9 (18.1/1)	-28.9	25.5 (18.1/1)	25.5	19.0 (12)	15.4 (12)
1969	701 (12)	109.8 (100.0/10)	125.3							19.1 (12)	15.2 (12)
1970	467 (12)	79.9 (100.0/11)	128.2								
1971	438 (12)	137.4 (99.3/10)	134.5								
1972	317 (12)	77.3 (100.0/10)	76.4	-5.36 (43.2/3)	-6.20					18.7 (12)	14.7 (12)
1973	712 (12)	63.3 (100.0/10)	47.4	-5.91 (6.8/2)	-5.82					19.1 (12)	14.4 (12)
1974	763 (12)	36.7 (100.0/10)	51.5	-7.68 (24.3/3)	-6.89					18.9 (12)	15.0 (12)
1975	592 (12)									18.8 (12)	15.0 (12)
1978	755 (12)	19.8 (36.4/4)	20.2	-3.83 (36.4/4)	-3.52	-20.7 (36.4/4)	-16.9	10.0 (36.4/4)	11.3	19.3 (12)	15.6 (12)
1979	546 (12)	23.0 (100.0/10)	29.3	-4.50 (100.0/10)	-3.80	-22.3 (100.0/10)	-19.3	13.7 (100.0/10)	11.2	19.7 (12)	16.4 (12)
1980	771 (12)	20.2 (73.0/7)	19.6	-4.98 (100.0/10)	-3.96	-24.9 (100.0/10)	-19.6	15.0 (100.0/10)	12.1		
1981	852 (12)	32.1 (77.5/6)	32.8	-4.31 (65.0/5)	-4.17	-29.0 (46.0/4)	-28.0	4.3 (46.0/4)	4.3		
1982	443 (12)	14.3 (42.2/5)	16.4	-3.91 (40.8/4)	-3.50	-17.3 (40.8/4)	-15.7	14.1 (40.8/4)	12.4	18.7 (12)	14.5 (12)
1983	813 (12)	12.1 (38.2/5)	14.5	-5.28 (88.9/9)	-4.07	-25.6 (99.8/10)	-18.8	16.8 (88.9/9)	14.7	18.6 (12)	16.3 (12)
1984	467 (12)	11.1 (79.4/6)	12.7	-5.24 (93.5/6)	-5.26	-24.3 (93.5/6)	-24.9	17.7 (93.5/6)	17.2	19.2 (12)	15.2 (12)
1985	642 (12)	11.6 (100.0/10)	13.3	-6.11 (85.3/8)	-5.18	-32.3 (85.3/8)	-28.8	16.6 (85.3/8)	12.7		
1986	493 (12)	12.5 (83.7/7)	14.3	-5.21 (99.1/9)	-4.61	-28.2 (99.1/9)	-26.4	13.6 (99.1/9)	10.6	19.5 (12)	16.1 (12)
1987	907 (12)	8.5 (93.8/10)	9.4	-6.70 (93.8/10)	-6.02	-35.5 (93.8/10)	-32.5	18.1 (93.8/10)	15.7	19.1 (12)	14.8 (12)
Long Term Means 659 σ				-5.50 0.74	-4.70 0.81	-28.0 4.8	-24.3 5.3	16.1 1.8	13.5 2.4	19.0 0.4	15.3 0.7

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	115	22	-6.31	2.15	12	-26.2	6.0	10	16.4	6.5	9	9.6	1.7	20	7.9	1.9	20
Feb	83	22	-5.86	1.74	10	-35.9	16.4	7	14.6	4.2	7	10.9	1.8	20	8.6	1.6	20
Mar	76	22	-4.40	1.84	13	-21.7	10.7	11	13.6	7.8	11	13.5	1.2	20	10.1	1.3	20
Apr	55	23	-4.90	1.47	7	-28.3	5.3	7	10.9	7.3	7	17.4	1.1	21	13.1	1.0	21
May	41	23	-4.38	0.65	6	-27.7	4.1	6	7.4	5.7	6	21.5	1.0	21	16.7	1.1	21
Jun	39	23	-2.65	1.95	7	-12.8	12.6	6	5.7	4.9	6	25.3	0.4	21	21.1	1.2	21
Jul	6	22										27.7	0.6	18	25.2	1.1	18
Aug	6	22	-2.83		1	-10.5		1	12.1		1	27.8	0.6	18	25.6	1.7	18
Sep	13	22	-2.06	2.32	6	-6.9	18.8	6	9.6	1.3	6	25.8	0.8	19	20.6	1.7	19
Oct	40	23	-3.82	2.14	9	-17.6	13.7	8	15.3	3.6	8	21.4	1.1	21	15.1	1.8	21
Nov	78	23	-5.36	1.22	9	-28.6	8.4	9	14.2	3.3	9	15.4	1.4	21	10.9	1.9	21
Dec	120	23	-5.81	1.30	11	-29.4	9.4	11	17.1	5.3	11	11.2	1.0	21	8.7	1.4	21

CORRELATIONS

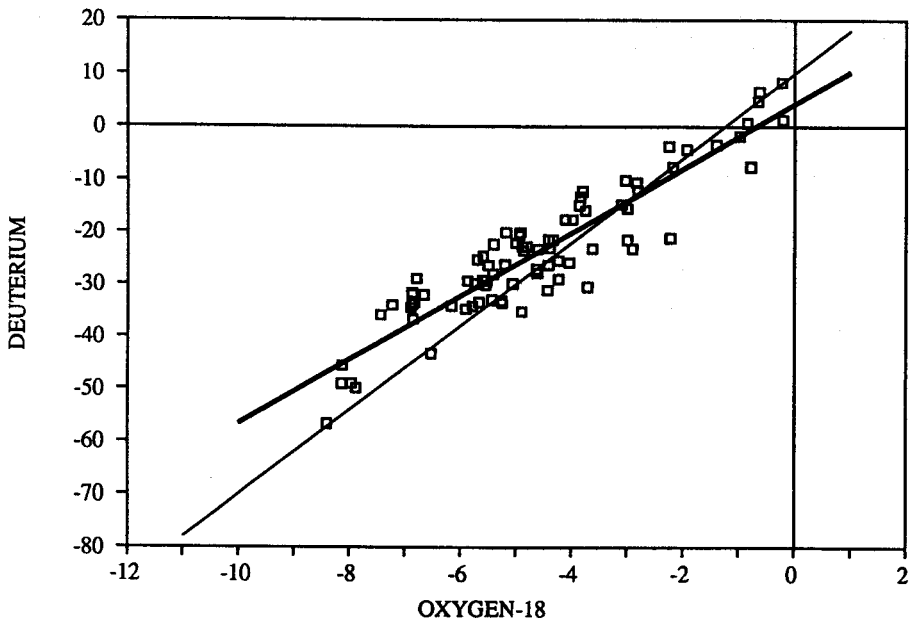
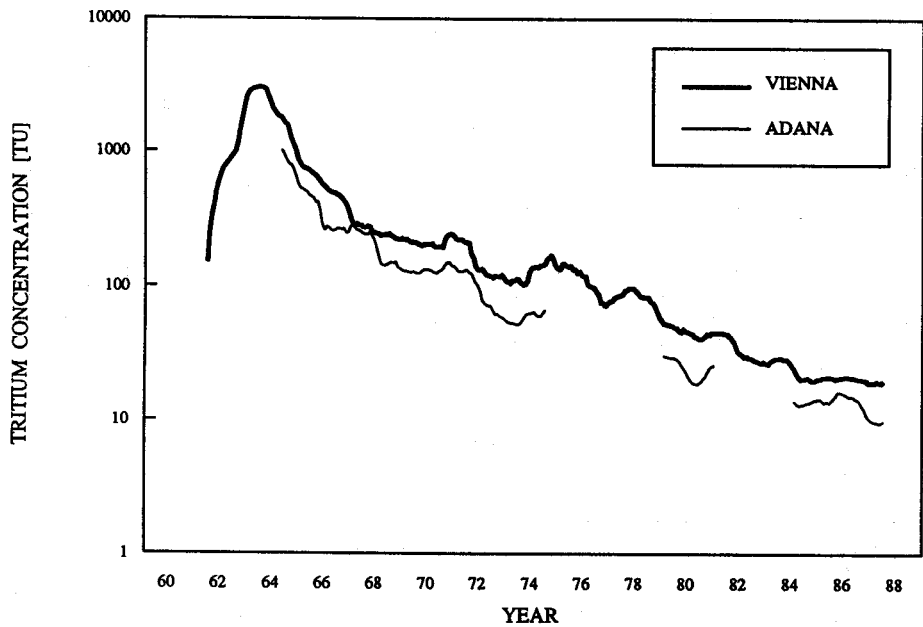
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	179	1.00	0.02	-0.22	0.05	0.913	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	14	0.92	0.07	-0.15	0.15	0.930	0.12
3) Monthly Deut vs. Monthly Precipitation	82	-0.10	0.02	-16.70	2.27	0.163	11.89
4) Monthly Oxyg-18 vs. Monthly Prec	91	-0.02	0.00	-3.39	0.33	0.225	1.85
5) Monthly Deut vs. Monthly Temperature	79	1.05	0.23	-41.35	3.95	0.216	11.40
6) Monthly Oxyg-18 vs. Monthly Temp	88	0.22	0.03	-8.37	0.53	0.368	1.66
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	81	6.09	0.28	4.26	1.42	0.854	4.99
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	81	6.59	0.28	6.57	1.51	0.854	4.99

REJECTED VALUES

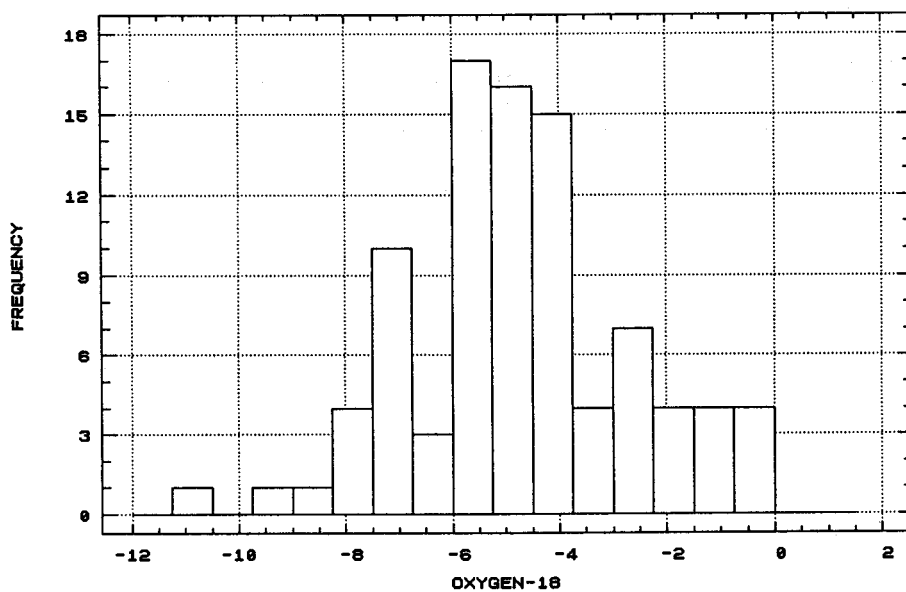
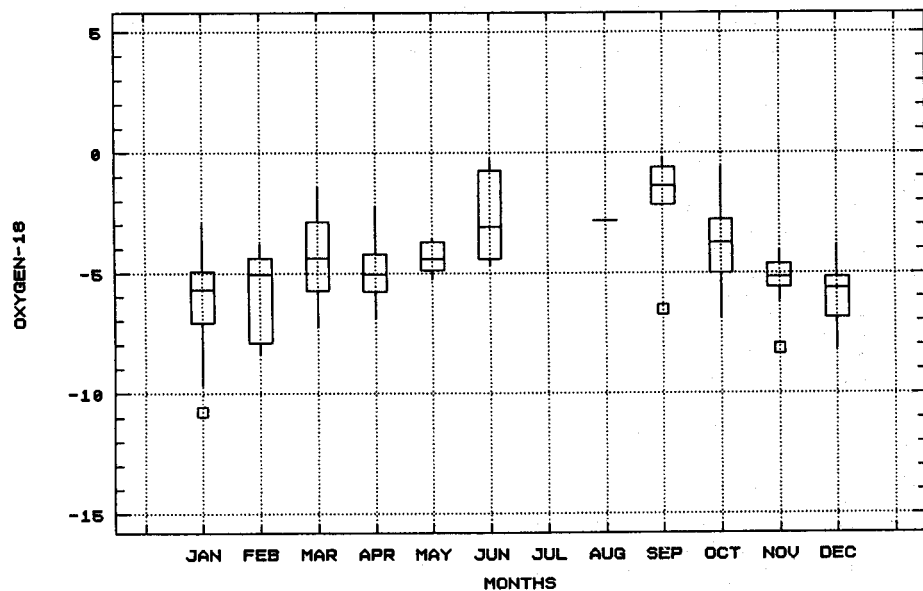
Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
81 / 2	-6.14	-16.3		
82 / 8		23.9		
83 / 8	2.33			
84 / 8	3.68	33.6		

1735000 ADANA, TURKEY

Lat. 36.98N Long. 35.30E Alt. 73 m a.s.l.



Box Plot of Oxygen-18



2255000 ARKHANGELSK, RUSSIAN FEDERATION

Lat. 64.58N Long. 40.50E Alt. 13 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	577 (12)	184.8 (62.7/6)	178.0							1.1 (12)	
1970	549 (12)	247.2 (69.5/9)	245.5							1.6 (12)	
1971	533 (12)	94.8 (32.0/4)	88.3							0.5 (12)	
1972	488 (12)	121.7 (84.6/11)	123.0							0.3 (12)	5.8 (12)
1973	503 (12)	112.2 (71.3/9)	106.8							0.8 (12)	5.3 (12)
1974	469 (12)	149.5 (68.8/7)	130.2							2.7 (12)	7.6 (12)
1975	590 (12)	67.6 (82.5/10)	65.9							2.6 (12)	6.9 (12)
1976	595 (12)	81.0 (100.0/12)	66.6							0.8 (12)	6.6 (12)
1978	588 (12)									-1.4 (12)	5.8 (12)
1979	610 (12)	56.2 (100.0/12)	53.5							0.9 (12)	6.9 (12)
1980	318 (12)	52.6 (100.0/12)	59.7	-13.70 (77.0/9)	-12.37					0.4 (12)	5.7 (12)
1981	612 (12)	76.6 (100.0/12)	66.1	-12.07 (100.0/12)	-13.75	-77.5 (90.3/10)	-88.3	12.6 (90.3/10)	12.0	1.8 (12)	6.7 (12)
1982	537 (12)	54.2 (100.0/12)	52.0	-13.54 (100.0/12)	-13.63	-104.3 (88.8/11)	-105.4	7.4 (88.8/11)	6.2	0.9 (12)	6.0 (12)
1983	652 (12)	35.6 (100.0/12)	37.1	-13.94 (100.0/12)	-13.91	-103.5 (100.0/12)	-105.7	8.1 (100.0/12)	5.6	1.6 (12)	6.5 (12)
1984	599 (12)	42.0 (98.8/11)	39.2	-11.02 (91.4/10)	-12.40	-71.9 (68.1/7)	-78.0	3.9 (68.1/7)	8.6	3.9 (12)	6.5 (12)
Long Term											
Means 548											
σ											
				-12.77	-13.21	-95.2	-99.8	9.4	7.9	1.2	6.4
				1.26	0.76	15.2	9.9	2.9	3.5	1.2	0.6

MONTHLY MEANS

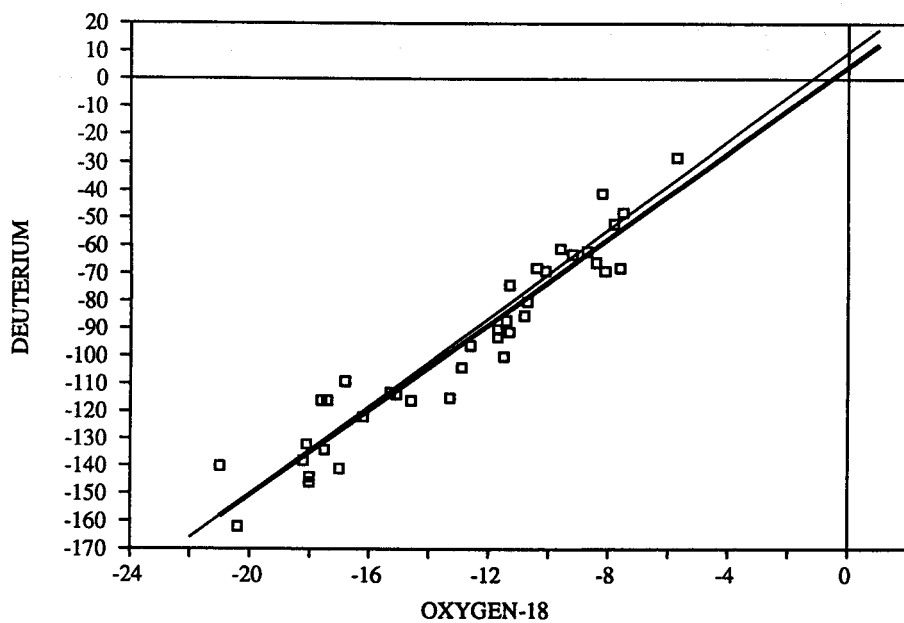
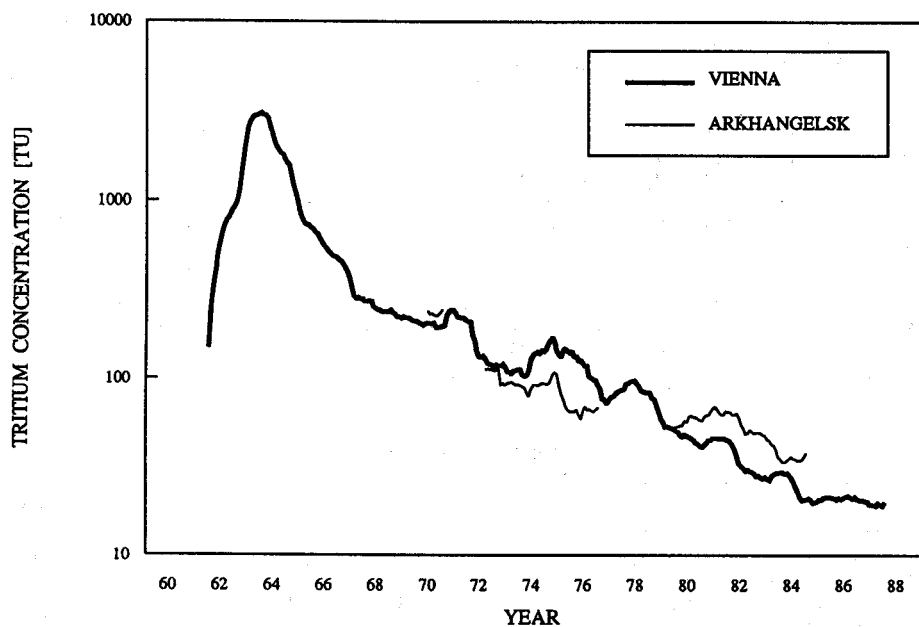
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	32	15	-17.73	1.59	3	-134.0	21.2	2	2.8	8.4	2	-13.0	3.4	15	1.9	0.7	13
Feb	27	15	-16.73	5.29	3	-122.3	28.8	3	11.5	16.3	3	-10.9	5.6	15	2.2	0.6	13
Mar	28	15	-17.25	2.68	4	-122.0	18.9	3	7.1	18.1	3	-5.8	4.8	15	3.3	0.7	13
Apr	30	15	-13.52	2.85	5	-101.7	17.2	4	11.6	12.3	4	0.0	2.3	15	4.7	1.0	13
May	38	15	-10.72	3.46	5	-69.5	17.4	4	5.7	6.8	4	6.6	2.3	15	6.7	1.4	14
Jun	59	15	-10.14	2.22	5	-78.5	31.9	4	2.9	15.9	4	12.5	2.1	15	10.4	1.7	13
Jul	65	15	-7.50	1.59	5	-55.2	19.8	4	7.1	11.3	4	15.9	1.8	15	13.6	2.2	14
Aug	61	15	-9.70	2.26	5	-73.0	19.4	4	9.4	6.3	4	13.0	1.8	15	11.6	1.5	13
Sep	56	15	-9.94	0.86	5	-71.3	13.9	3	10.8	9.1	3	8.4	2.1	15	8.9	1.8	13
Oct	57	15	-14.56	1.18	5	-108.0	11.7	3	6.1	1.3	3	1.0	2.0	15	5.7	1.1	15
Nov	54	15	-16.24	1.60	5	-124.3	19.2	3	10.9	13.1	3	-4.6	2.6	15	3.7	0.9	14
Dec	40	15	-19.32	1.48	5	-144.0	17.8	3	7.2	6.5	3	-8.8	4.6	15	3.0	1.2	14

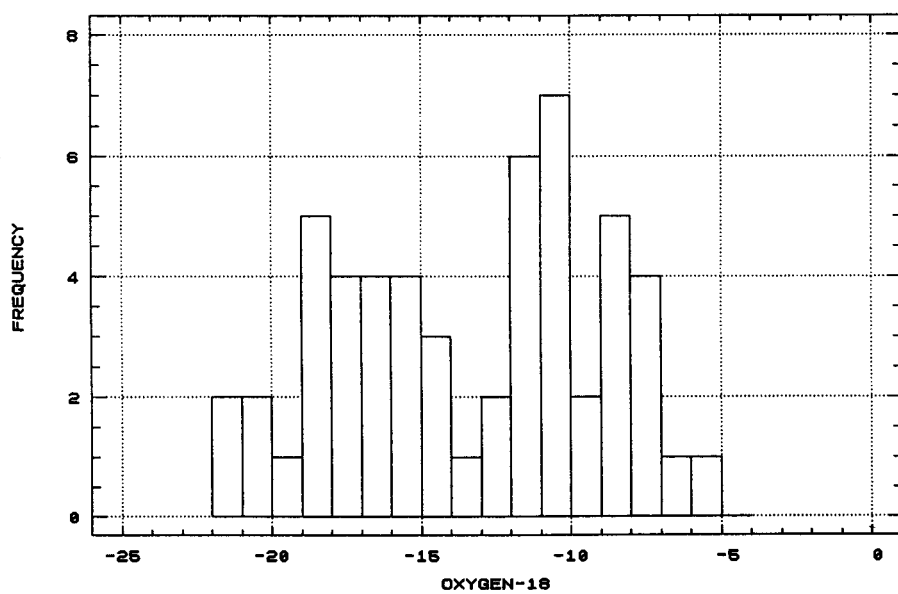
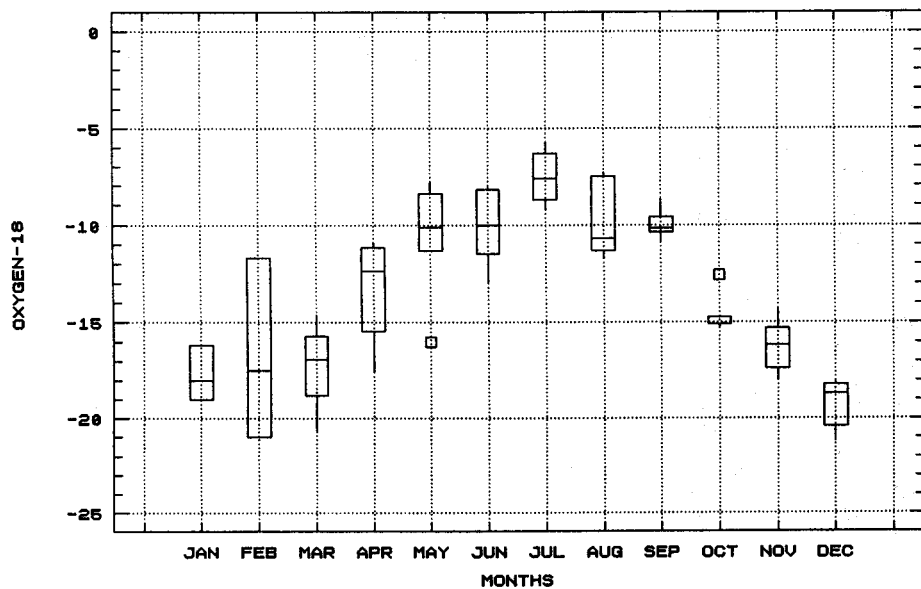
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	129	0.62	0.05	0.70	0.09	0.581	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	8	0.44	0.14	1.02	0.26	0.612	0.11
3) Monthly Deut vs. Monthly Precipitation	40	0.33	0.16	-113.89	9.93	0.098	31.34
4) Monthly Oxyg-18 vs. Monthly Prec	55	0.03	0.02	-14.67	1.08	0.040	4.19
5) Monthly Deut vs. Monthly Temperature	40	2.77	0.32	-105.17	3.16	0.669	18.97
6) Monthly Oxyg-18 vs. Monthly Temp	55	0.37	0.03	-14.22	0.32	0.711	2.30
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	40	7.75	0.37	4.52	5.09	0.919	9.41
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	40	8.08	0.36	8.89	5.17	0.919	9.41

2255000 ARKHANGELSK, RUSSIAN FEDERATION

Lat. 64.58N Long. 40.50E Alt. 13 m a.s.l.





2307400 DUDINKA, RUSSIAN FEDERATION

Lat. 69.24N Long. 86.10E Alt. 0 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1973	232	166.0	158.8								
	(5)		(45.6/5)								
1974	386	147.3	152.2								
	(10)		(44.4/7)								
1975	509	171.5	174.4							-8.5	4.4
	(12)		(76.0/8)							(12)	(12)
1976	500	89.4	85.6							-10.4	4.0
	(12)		(100.0/12)							(12)	(12)
1977	676	108.2	106.0							-10.9	4.1
	(12)		(100.0/12)							(12)	(12)
1978	579	101.2	107.1							-10.0	4.3
	(12)		(100.0/12)							(12)	(12)
1979	544	93.1	88.2								
	(12)		(100.0/9)								
1980	582	89.8	86.5							-9.9	4.3
	(12)		(97.9/11)							(12)	(12)
1981	498	80.4	88.9								
	(9)		(88.8/8)								
1982	535	56.5	56.0								
	(10)		(94.9/9)								
1983	554	141.9	138.9								
	(11)		(100.0/11)								
Long Term											
Means 509											-9.9 4.2
σ											0.8 0.2

MONTHLY MEANS

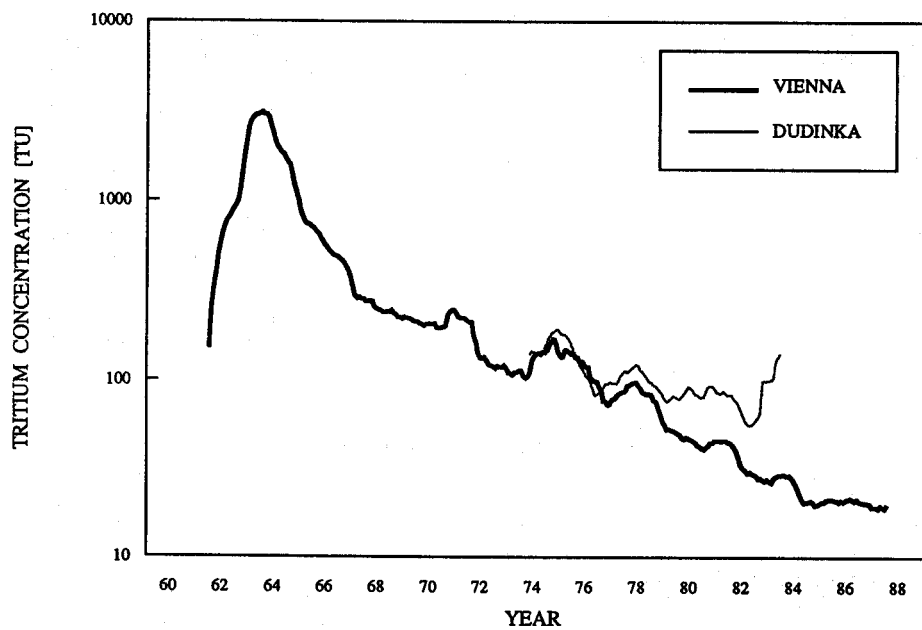
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	54	9										-27.0	6.1	9	0.6	0.3	9
Feb	39	10										-28.2	6.2	10	0.5	0.2	10
Mar	36	9										-24.3	2.5	9	0.7	0.2	9
Apr	40	9										-13.0	3.0	9	1.9	0.4	9
May	28	10										-6.3	1.4	10	3.2	0.4	10
Jun	48	11										5.4	2.0	11	7.4	1.1	11
Jul	51	11										13.4	1.7	11	12.3	1.5	11
Aug	53	9										10.8	0.7	9	10.8	0.7	9
Sep	58	9										3.7	1.7	9	6.9	0.9	9
Oct	53	9										-9.3	5.2	9	2.7	1.2	9
Nov	68	8										-18.0	5.4	8	1.3	0.6	8
Dec	59	11										-24.6	4.2	11	0.6	0.4	11

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	101	0.39	0.06	1.28	0.11	0.287	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.26	0.19	1.53	0.34	0.210	0.13

2307400 DUDINKA, RUSSIAN FEDERATION

Lat. 69.24N Long. 86.10E Alt. 0 m a.s.l.



2495900 YAKUTSK, RUSSIAN FEDERATION

Lat. 62.08N Long. 129.75E Alt. 107 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	158 (12)	414.8 (71.5/6)	385.0							-12.0 (12)	4.4 (12)
1970	299 (12)	330.9 (94.6/10)	300.5							-11.0 (12)	4.8 (12)
1971	236 (12)	243.0 (69.9/9)	243.2								
1972	199 (12)	155.8 (100.0/12)	171.6							-11.3 (12)	4.3 (12)
1973	184 (12)	219.1 (78.8/7)	245.3							-9.6 (12)	4.1 (12)
1974	290 (12)	197.8 (93.4/9)	157.8							-10.5 (12)	5.1 (12)
1975	287 (12)	162.7 (93.0/9)	143.6							-7.2 (12)	5.5 (12)
1976	233 (12)	122.3 (94.4/10)	98.8							-10.7 (12)	4.7 (12)
1977	242 (12)	173.6 (90.9/10)	150.7							-11.1 (12)	4.6 (12)
1978	278 (12)	109.7 (85.9/9)	109.3	-19.54 (79.4/7)	-21.56	-148.3 (79.4/7)	-161.2	8.1 (79.4/7)	11.4	-9.6 (12)	4.6 (12)
1979	321 (12)	122.0 (90.9/9)	122.4							-11.6 (12)	5.5 (12)
1980	172 (12)	93.2 (83.7/10)	96.4							-9.6 (12)	5.0 (12)
1981	240 (12)	128.0 (90.4/10)	107.2							-9.5 (12)	5.2 (12)
1982	247 (9)	57.6 (89.6/8)	56.8								
1983	176 (11)	74.2 (74.1/11)	54.5								
Long Term Means 237				-19.54	-21.56	-148.3	-161.2	8.1	11.4	-10.3	4.8
σ										1.2	0.4

MONTHLY MEANS

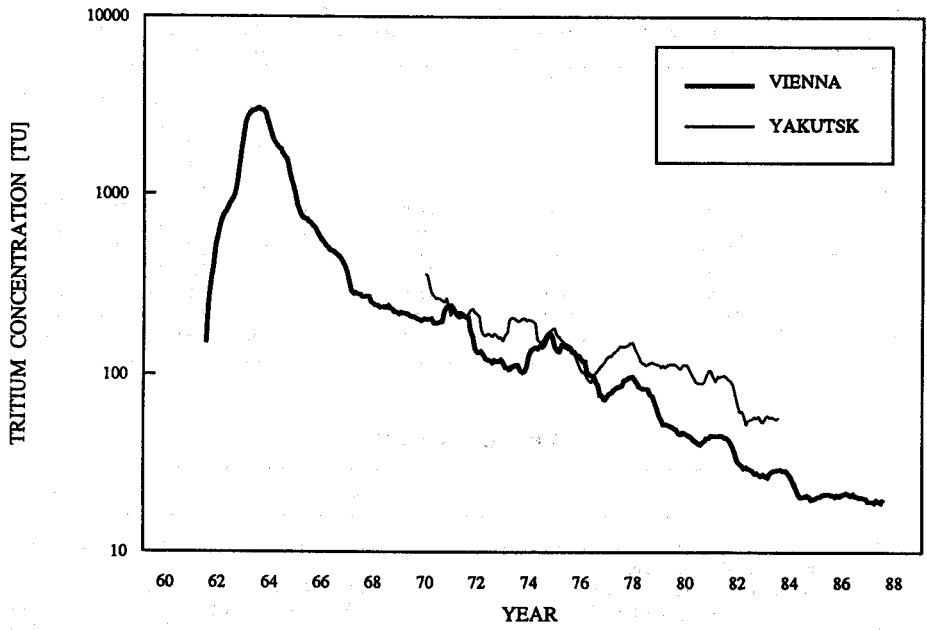
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	9	14										-40.6	3.1	14	0.2	0.1	14
Feb	7	14										-37.1	2.6	13	0.2	0.1	13
Mar	5	15										-22.4	2.6	15	0.8	0.3	15
Apr	16	15										-5.3	3.6	15	2.8	1.3	15
May	16	15										7.0	1.8	15	5.5	1.0	15
Jun	30	14	-16.70		1	-111.0		1	22.6		1	15.1	1.5	14	10.5	2.6	14
Jul	41	15	-21.50		1	-158.0		1	14.0		1	18.9	1.8	15	14.3	2.2	15
Aug	41	15	-14.90		1	-110.0		1	9.2		1	15.0	1.7	15	12.0	1.9	15
Sep	27	14	-17.30		1	-151.0		1	-12.6		1	5.4	1.3	14	6.5	0.8	14
Oct	22	15	-23.20		1	-169.0		1	16.6		1	-8.5	4.9	14	3.3	2.9	14
Nov	15	15	-23.70		1	-179.0		1	10.6		1	-30.3	4.9	15	0.4	0.2	15
Dec	12	15	-33.60		1	-250.0		1	18.8		1	-38.9	3.4	14	0.9	2.6	14

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	136	0.69	0.05	0.79	0.09	0.596	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	0.64	0.13	0.91	0.25	0.709	0.11
3) Monthly Deut vs. Monthly Precipitation	7	2.33	1.06	-234.86	36.26	0.493	37.04
4) Monthly Oxyg-18 vs. Monthly Prec	7	0.37	0.11	-33.11	3.79	0.687	3.87
5) Monthly Deut vs. Monthly Temperature	7	1.92	0.38	-156.07	8.01	0.837	21.02
6) Monthly Oxyg-18 vs. Monthly Temp	7	0.25	0.05	-20.89	1.14	0.812	2.99
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	7	7.34	0.76	-3.00	17.00	0.949	11.75
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	7	7.53	0.64	1.20	14.85	0.949	11.75

2495900 YAKUTSK, RUSSIAN FEDERATION

Lat. 62.08N Long. 129.75E Alt. 107 m a.s.l.



2761200 MOSKVA, RUSSIAN FEDERATION

Lat. 55.75N Long. 37.57E Alt. 157 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	559 (12)	136.8 (21.2/3)	132.0							3.4 (12)	7.0 (12)
1970	773 (12)	181.5 (67.1/9)	212.8	-10.67 (89.2/11)	-10.39	-93.4 (89.2/11)	-90.9	-8.1 (89.2/11)	-7.9	5.0 (12)	8.0 (12)
1971	647 (12)	114.7 (62.2/7)	104.5			-85.1 (100.0/12)	-87.3			5.7 (12)	6.4 (12)
1972	485 (12)	125.3 (88.2/10)	136.8			-82.3 (100.0/12)	-83.8			7.0 (12)	6.5 (12)
1973	924 (12)	111.4 (81.2/9)	105.4			-91.7 (100.0/12)	-98.0			5.8 (12)	6.8 (12)
1974	663 (12)	132.0 (88.5/10)	129.5			-88.3 (100.0/12)	-90.9			6.6 (12)	
1975	544 (12)	123.5 (89.8/10)	121.1	-9.34 (60.8/8)	-9.90	-82.8 (100.0/12)	-84.2	-2.1 (60.8/8)	-1.8	7.6 (12)	9.0 (12)
1976	807 (12)	97.0 (88.1/11)	90.4	-11.26 (100.0/12)	-11.85	-93.8 (100.0/12)	-99.0	-3.7 (100.0/12)	-4.2	4.2 (12)	7.7 (12)
1977	772 (12)	113.5 (91.5/11)	105.2	-11.27 (91.5/11)	-11.16	-86.6 (91.5/11)	-86.0	3.7 (91.5/11)	3.4		
1978	610 (12)	113.7 (88.1/10)	114.7	-11.44 (88.1/10)	-12.22	-90.4 (88.1/10)	-94.7	1.2 (88.1/10)	3.1	2.5 (12)	7.5 (12)
1979	770 (12)	87.2 (96.1/11)	82.6	-10.38 (94.8/11)	-11.45	-91.3 (94.8/11)	-99.0	-8.3 (94.8/11)	-7.4	4.8 (12)	6.9 (12)
1980	718 (12)	118.4 (100.0/12)	131.4							5.1 (12)	8.3 (12)
1981	758 (12)	97.1 (65.0/8)	96.4							7.4 (12)	8.9 (12)
1982	713 (10)	65.2 (100.0/10)	63.3								
1983	648 (9)	147.7 (93.5/9)	120.5								
Long Term											
Means 693				-10.99	-11.42	-89.1	-91.4	-3.3	-2.6	5.4	7.5
σ				0.46	0.70	4.3	6.0	5.4	5.4	1.5	0.9

MONTHLY MEANS

Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	42	15		-16.46	2.75	5	-118.3	15.1	9	6.7	16.9	5	-10.6	7.6	15	2.6	1.1	15
Feb	36	14		-15.12	3.22	6	-116.9	17.1	10	-1.6	19.9	6	-6.9	3.1	14	2.9	0.8	14
Mar	34	14		-13.17	2.01	6	-102.1	5.9	10	2.8	14.1	6	-1.6	2.5	14	3.9	1.4	14
Apr	47	15		-10.92	2.49	5	-92.5	11.6	9	-2.1	11.3	5	6.3	2.2	15	6.8	1.5	15
May	60	14		-7.86	2.55	5	-69.8	9.6	9	-8.3	9.1	5	13.6	3.0	14	9.0	2.6	14
Jun	71	15		-7.75	2.49	6	-63.8	15.5	10	-3.3	11.3	6	17.1	2.2	15	13.0	2.0	15
Jul	96	15		-7.22	1.78	5	-60.3	15.0	10	-5.2	7.7	5	19.6	2.2	15	15.6	2.1	15
Aug	75	14		-8.03	1.72	6	-67.1	13.5	10	-6.9	10.9	6	17.0	2.5	14	13.5	1.9	13
Sep	62	14		-9.87	1.48	6	-83.9	12.3	10	-3.4	11.3	6	11.7	1.6	14	10.3	1.6	14
Oct	64	15		-10.20	1.30	4	-91.7	11.4	9	-5.6	12.0	4	4.9	2.0	15	6.7	1.2	15
Nov	69	15		-13.30	2.27	5	-104.6	6.9	10	1.4	13.9	5	0.2	1.6	15	5.1	0.9	15
Dec	54	15		-15.80	2.73	4	-128.6	7.7	9	-7.4	19.1	4	-4.3	3.2	14	3.6	0.9	14

CORRELATIONS

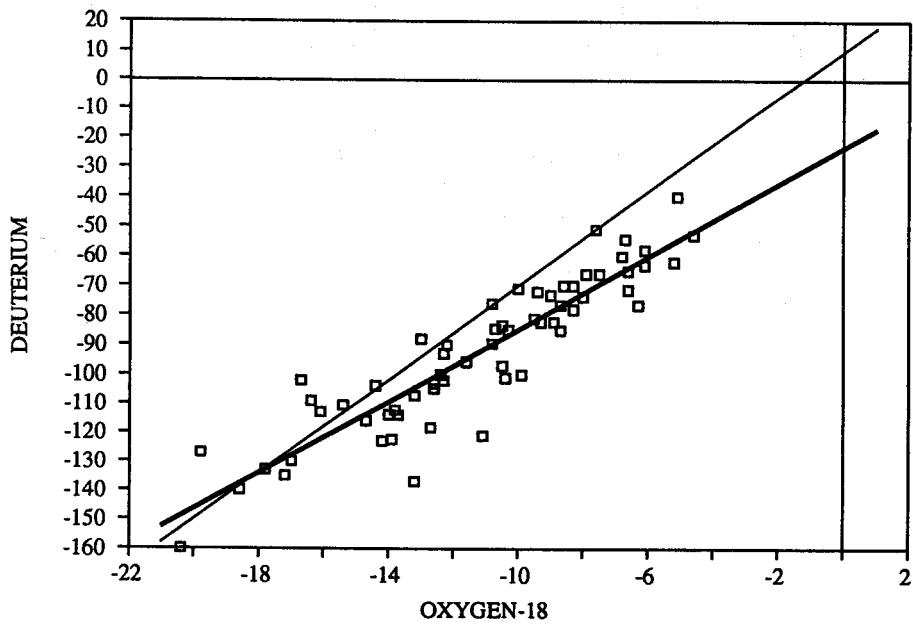
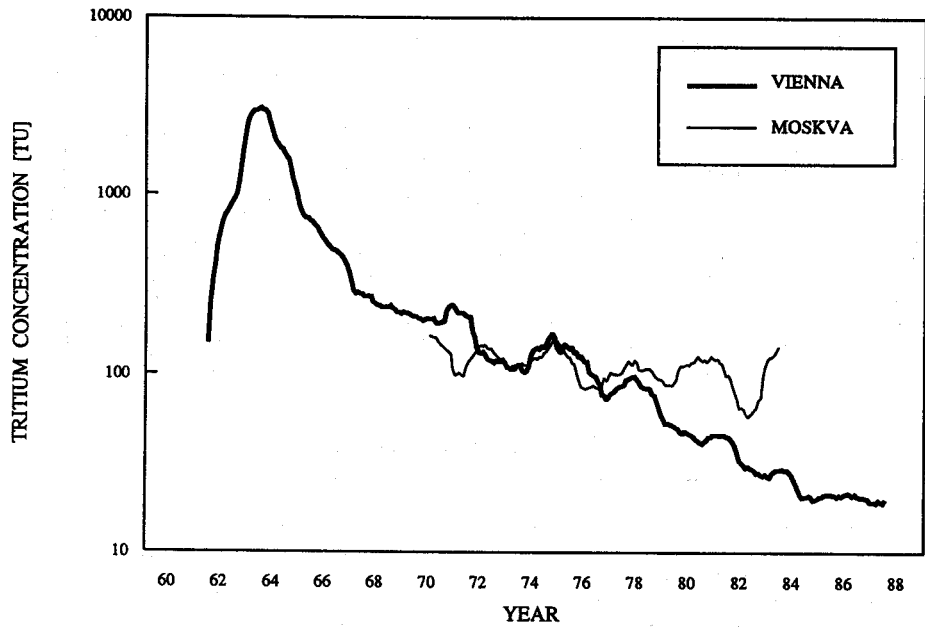
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	137	0.28	0.05	1.48	0.09	0.190	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	11	0.12	0.11	1.81	0.22	0.111	0.10
3) Monthly Deut vs. Monthly Precipitation	115	0.11	0.07	-97.47	4.52	0.022	24.97
4) Monthly Oxyg-18 vs. Monthly Prec	63	0.02	0.01	-12.40	0.97	0.031	3.77
5) Monthly Deut vs. Monthly Temperature	115	2.25	0.11	-104.39	1.26	0.787	11.67
6) Monthly Oxyg-18 vs. Monthly Temp	63	0.33	0.03	-13.03	0.29	0.719	2.03
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	63	6.16	0.36	-23.21	4.21	0.831	10.65
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	63	6.76	0.35	-16.50	4.36	0.831	10.65

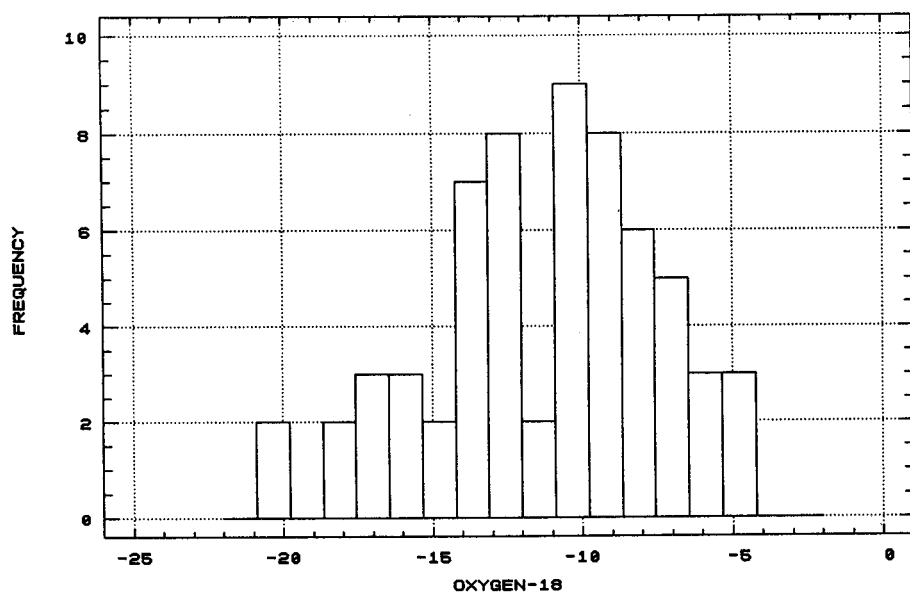
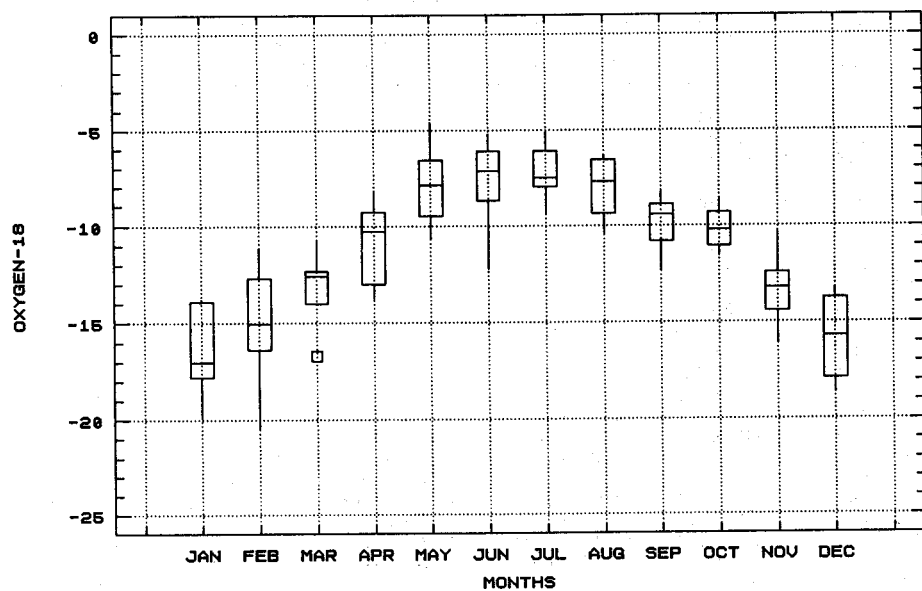
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
70 / 4	-6.10	-98.5		
79 / 5	4.00	-10.0		

2761200 MOSKVA, RUSSIAN FEDERATION

Lat. 55.75N Long. 37.57E Alt. 157 m a.s.l.





2822500 PERM, RUSSIAN FEDERATION

Lat. 58.01N Long. 56.18E Alt. 161 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1973	795 (12)	129.7 (87.0/8)	133.4 (87.0/8)							3.3 (12)	5.6 (12)
1974	445 (12)	117.7 (87.1/10)	119.7 (87.1/10)							3.0 (12)	7.7 (12)
1975	518 (12)	103.8 (82.6/10)	107.2 (82.6/10)								
1976	517 (12)	137.4 (84.5/9)	121.7 (84.5/9)							0.6 (12)	7.0 (12)
1977	580 (12)	98.5 (86.7/11)	91.8 (86.7/11)							2.2 (12)	7.4 (12)
1978	753 (12)	64.5 (95.0/11)	66.8 (95.0/11)								
1979	897 (12)	74.6 (100.0/12)	73.9 (100.0/12)							1.5 (12)	7.0 (12)
1980	601 (12)	79.8 (100.0/12)	78.2 (100.0/12)	-12.22 (85.3/8)	-11.68 (85.3/8)					1.6 (12)	6.6 (12)
1981	408 (12)	83.9 (83.3/10)	82.6 (83.3/10)	-13.18 (93.8/11)	-12.33 (93.8/11)	-87.0 (91.9/10)	-78.2 (91.9/10)	18.2 (91.9/10)	18.8 (91.9/10)	4.0 (12)	7.2 (12)
1982	548 (12)	56.6 (100.0/12)	54.7 (100.0/12)	-12.88 (100.0/12)	-13.51 (100.0/12)	-96.7 (86.4/11)	-99.8 (86.4/11)	10.2 (86.4/11)	11.0 (86.4/11)	2.3 (12)	6.8 (12)
1983	745 (12)	66.6 (100.0/12)	61.3 (100.0/12)	-13.25 (95.9/11)	-14.55 (95.9/11)	-91.7 (95.9/11)	-101.6 (95.9/11)	14.3 (95.9/11)	14.9 (95.9/11)	4.2 (12)	7.2 (12)
1984	756 (12)	42.5 (74.6/9)	39.2 (74.6/9)							1.2 (12)	7.1 (12)
Long Term Means 630				-12.90	-13.02	-92.1	-93.2	14.0	14.9	2.4	7.0
σ				0.47	1.27	4.8	12.9	4.0	3.9	1.2	0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	36	12	-19.23	1.79	3	-137.3	20.4	3	16.5	6.6	3	-14.1	4.8	12	2.1	1.5	12
Feb	25	12	-16.27	2.08	3	-116.0	8.8	2	21.6	3.8	2	-12.9	3.2	11	1.9	0.4	11
Mar	36	12	-17.57	0.45	3	-125.0	9.0	3	15.5	8.3	3	-4.8	2.4	12	3.3	0.8	12
Apr	50	12	-9.45	3.66	4	-74.7	3.9	3	14.4	7.7	3	3.5	3.1	12	5.7	1.3	12
May	37	12	-8.80	1.35	3	-57.5	15.0	2	12.9	1.9	2	11.3	1.6	11	8.4	1.3	11
Jun	77	12	-8.25	3.77	4	-51.3	34.4	3	13.5	4.2	3	15.5	2.2	12	12.5	1.6	12
Jul	77	12	-8.90	1.04	4	-53.0	18.9	3	14.7	14.3	3	18.0	2.0	12	15.1	2.2	12
Aug	72	12	-11.62	0.91	4	-72.3	3.2	3	18.9	11.0	3	14.8	2.0	12	13.0	1.5	12
Sep	79	12	-13.72	3.28	4	-100.0	11.3	2	10.8	3.5	2	9.0	1.9	11	9.3	1.6	11
Oct	60	12	-13.70	1.52	4	-93.3	10.2	3	18.1	6.8	3	1.4	3.2	12	5.7	1.4	12
Nov	43	12	-18.07	1.85	3	-138.0	17.6	2	4.0	4.2	2	-4.5	3.8	12	3.5	0.7	12
Dec	38	12	-16.23	1.39	3	-117.3	12.0	3	12.5	22.6	3	-9.3	7.1	12	2.3	0.8	12

CORRELATIONS

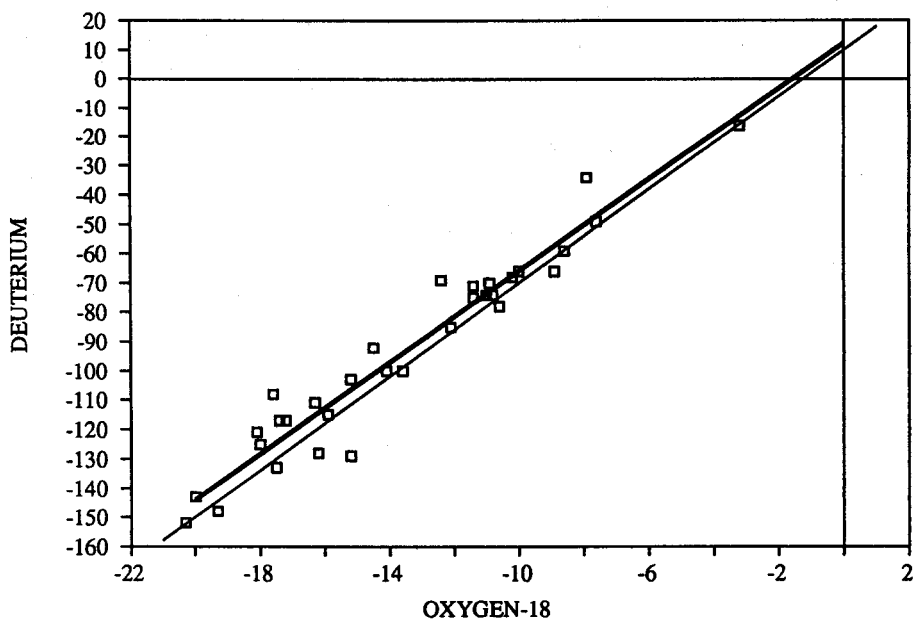
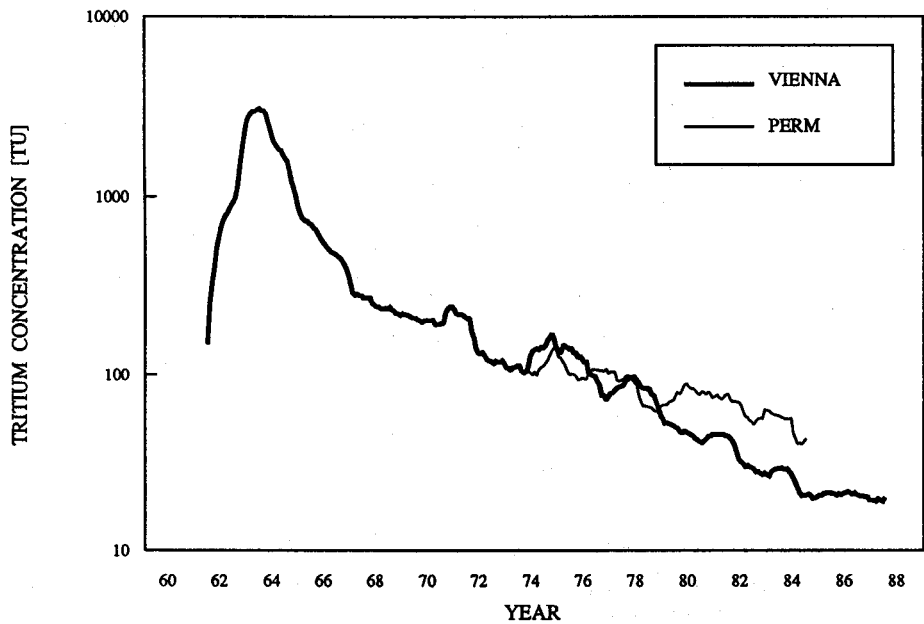
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	119	0.59	0.05	0.82	0.09	0.529	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	11	0.37	0.11	1.26	0.20	0.564	0.09
3) Monthly Deut vs. Monthly Precipitation	32	0.09	0.21	-98.15	11.80	0.007	33.95
4) Monthly Oxyg-18 vs. Monthly Prec	42	0.01	0.02	-13.74	1.26	0.008	4.24
5) Monthly Deut vs. Monthly Temperature	32	2.48	0.31	-102.63	3.59	0.679	19.30
6) Monthly Oxyg-18 vs. Monthly Temp	42	0.30	0.04	-14.45	0.45	0.592	2.72
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	32	7.81	0.37	12.18	5.24	0.937	8.56
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	32	8.07	0.36	15.68	5.28	0.937	8.56

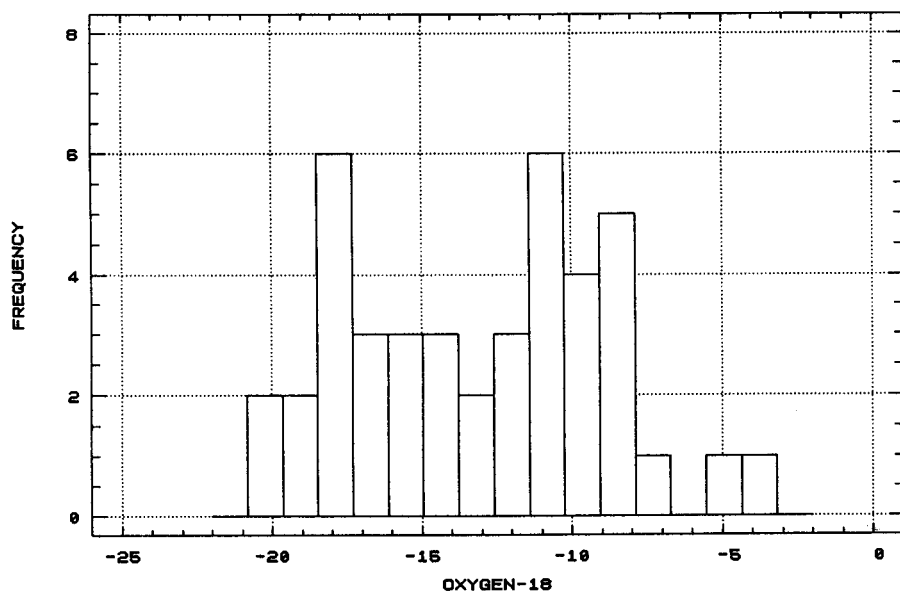
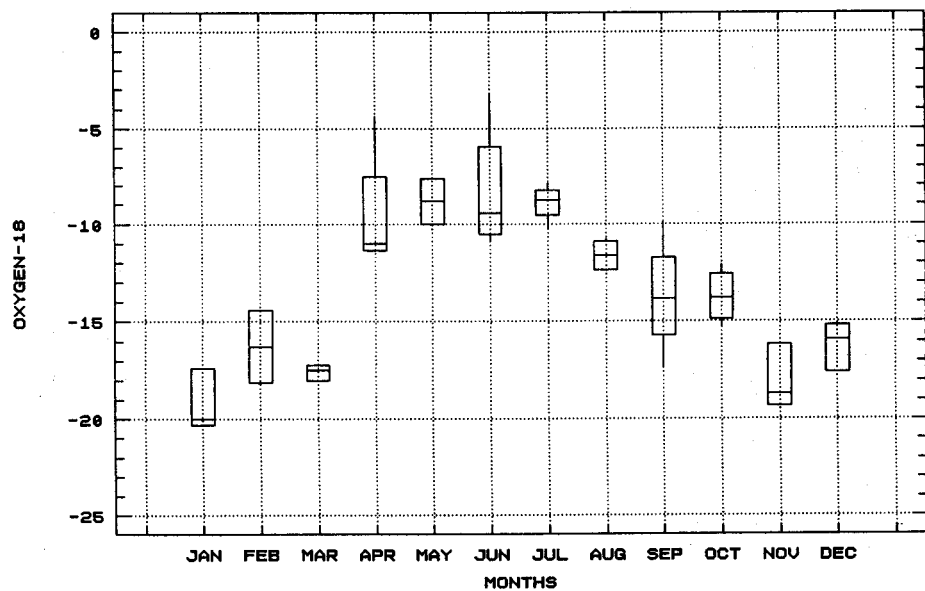
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
81 / 11	-15.70	-65.0		

2822500 PERM, RUSSIAN FEDERATION

Lat. 58.01N Long. 56.18E Alt. 161 m a.s.l.





2869800 OMSK, RUSSIAN FEDERATION

Lat. 54.56N Long. 73.24E Alt. 94 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1973	387	209.6	215.3							1.7	5.9
	(12)		(59.1/4)							(12)	(12)
1974	298	177.4	154.0							0.7	6.3
	(12)		(76.5/6)							(12)	(12)
1975	375	121.1	128.4							2.3	6.1
	(12)		(78.3/9)							(12)	(12)
1976	336	106.7	88.0							0.8	6.2
	(12)		(100.0/12)							(12)	(12)
1977	406	133.2	120.8							0.8	7.0
	(12)		(95.8/11)							(12)	(12)
1978	457	124.5	109.6							1.4	6.7
	(12)		(87.7/10)							(12)	(12)
1979	575	104.7	97.9							1.1	7.3
	(12)		(100.0/12)							(12)	(12)
1980	344	114.0	102.8							1.1	7.2
	(12)		(82.8/10)							(12)	(12)
1981	327	76.8	85.0							2.5	7.3
	(12)		(79.8/10)							(12)	(12)
1982	435	59.5	58.8								
	(11)		(100.0/11)								
1983	436	73.4	65.7							3.5	7.4
	(12)		(100.0/12)							(12)	(12)
Long Term											
Means 398											1.6
σ											6.7
											0.9
											0.5

MONTHLY MEANS

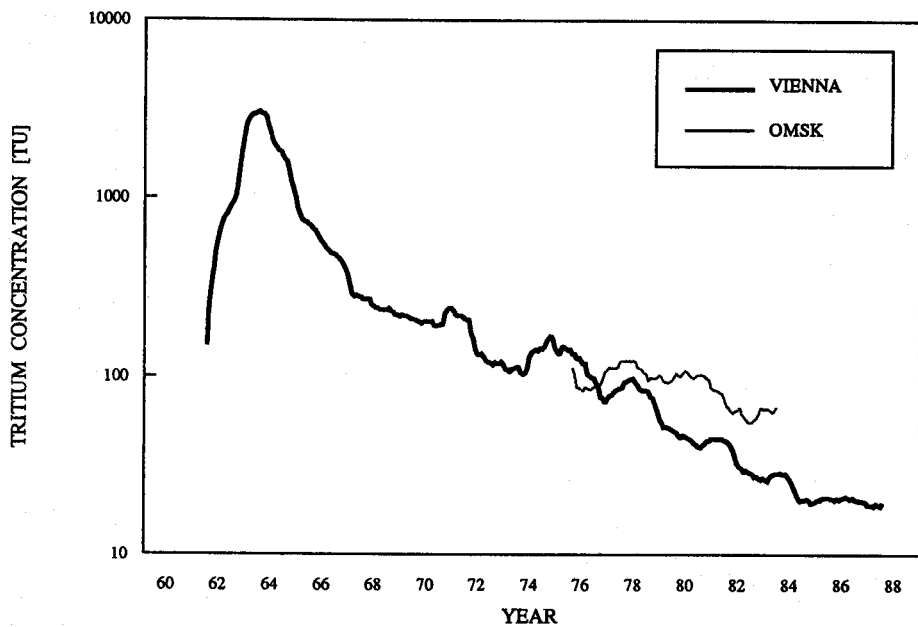
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	24	11										-17.8	5.1	11	1.4	0.6	11
Feb	16	11										-16.1	3.7	11	1.6	0.4	11
Mar	14	11										-8.3	2.2	11	2.9	0.5	11
Apr	21	11										4.2	2.6	11	5.9	0.8	11
May	32	11										11.1	2.4	11	8.6	2.5	11
Jun	62	11										18.6	1.7	11	13.0	2.3	11
Jul	65	11										19.3	1.1	11	14.8	2.1	11
Aug	49	11										16.2	1.8	11	12.8	0.9	11
Sep	35	11										10.8	1.1	11	9.2	1.1	11
Oct	33	11										1.7	2.5	11	5.5	0.9	11
Nov	29	10										-7.5	2.7	10	3.2	0.7	10
Dec	20	11										-12.8	3.4	11	2.1	0.5	11

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	104	0.39	0.06	1.27	0.11	0.297	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	10	0.45	0.10	1.20	0.18	0.717	0.08

2869800 OMSK, RUSSIAN FEDERATION

Lat. 54.56N Long. 73.24E Alt. 94 m a.s.l.



2926300 ENISEJSK, RUSSIAN FEDERATION

Lat. 58.27N Long. 92.09E Alt. 98 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1973	509 (12)	162.0 (59.5/4)	131.8							0.3 (12)	5.6 (12)
1974	540 (12)	172.9 (61.6/6)	143.0							-3.7 (12)	5.7 (12)
1975	444 (12)	157.5 (89.6/9)	157.9								
1976	380 (12)	116.1 (96.3/11)	112.8							-2.2 (12)	5.8 (12)
1977	529 (12)	116.9 (100.0/12)	109.1							-2.2 (12)	6.4 (12)
1978	496 (12)	134.7 (97.5/11)	129.2								
1979	515 (12)	83.1 (92.8/11)	80.0							-2.2 (12)	6.4 (12)
1980	431 (12)	95.5 (97.6/10)	105.1							-1.9 (12)	6.5 (12)
1981	427 (12)	114.2 (100.0/12)	108.5							-0.9 (12)	6.4 (12)
1982	524 (12)	56.6 (100.0/12)	61.4							-1.1 (12)	6.2 (12)
1983	445 (11)	77.7 (93.4/11)	84.7								
Long Term Means 476											
σ											-1.8 1.1
											6.1 0.3

MONTHLY MEANS

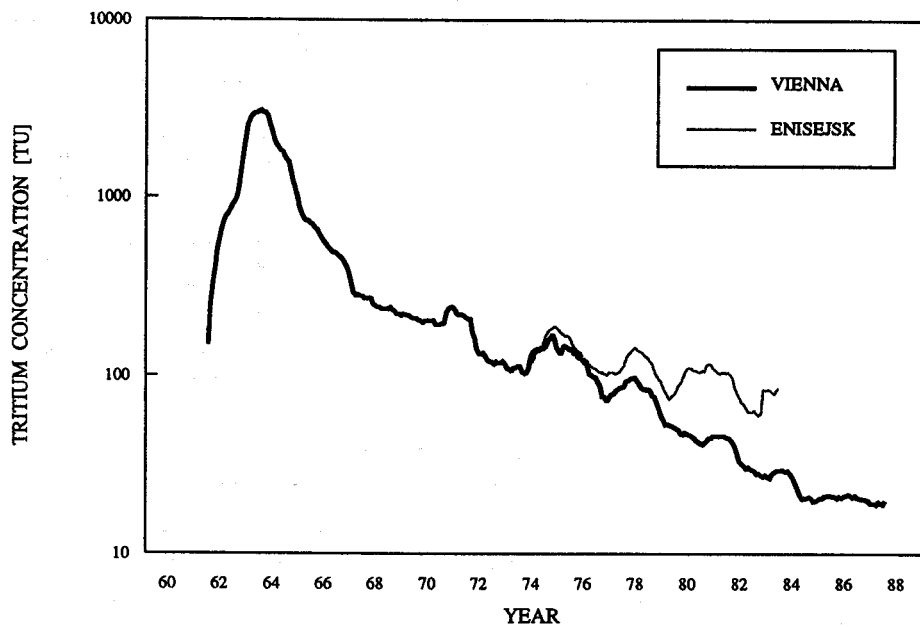
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	29	11										-20.8	6.3	11	1.1	0.6	11
Feb	20	11										-19.2	4.3	11	1.1	0.4	11
Mar	18	11										-10.8	3.0	10	2.1	0.4	10
Apr	34	11										-0.0	2.7	10	4.2	0.8	10
May	44	11										6.5	1.4	11	6.8	0.9	11
Jun	34	11										15.6	1.8	11	12.2	2.0	11
Jul	63	11										17.9	0.9	11	15.4	1.7	11
Aug	68	11										14.8	1.3	11	13.2	1.2	11
Sep	46	11										8.0	0.9	11	8.6	0.7	11
Oct	44	11										-1.8	2.4	11	4.2	0.7	11
Nov	46	11										-9.3	4.4	11	2.5	0.8	11
Dec	33	10										-16.3	3.1	10	1.4	0.4	10

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	106	0.52	0.06	1.07	0.10	0.457	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.47	0.11	1.18	0.20	0.707	0.08

2926300 ENISEJSK, RUSSIAN FEDERATION

Lat. 58.27N Long. 92.09E Alt. 98 m a.s.l.



2963400 NOVOSIBIRSK, RUSSIAN FEDERATION

Lat. 55.03N Long. 82.90E Alt. 162 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	356 (12)	383.4	363.5 (58.1/6)							-0.4 (12)	
1970	456 (12)	282.1	323.0 (62.5/7)							0.5 (12)	
1971	428 (12)	290.2	272.8 (41.8/5)							1.5 (12)	
1972	497 (12)	203.7	168.8 (84.9/10)							-0.4 (12)	
1973	356 (12)	155.0	152.7 (64.6/9)							1.5 (12)	
1974	416 (12)	173.6	149.4 (84.1/8)							-0.4 (12)	
1975	347 (12)	149.6	142.2 (93.6/10)								
1976	497 (12)	126.7	104.5 (98.5/11)							-0.5 (12)	7.0 (12)
1977	411 (12)	131.7	120.1 (89.7/10)								
1978	429 (12)	134.1	117.2 (93.4/11)							1.5 (12)	7.2 (12)
1979	427 (12)	108.0	105.8 (90.6/11)							0.7 (12)	7.2 (12)
1980	377 (12)	123.1	124.6 (99.2/11)							1.1 (12)	7.3 (12)
1981	354 (12)	149.8	145.3 (77.1/8)							1.9 (12)	7.4 (12)
1982	504 (12)	63.1	57.4 (100.0/12)							2.4 (12)	7.8 (12)
1983	412 (11)	77.3	78.6 (98.6/11)								
Long Term											
Means 418											0.8 7.3
σ											0.9 0.3

MONTHLY MEANS

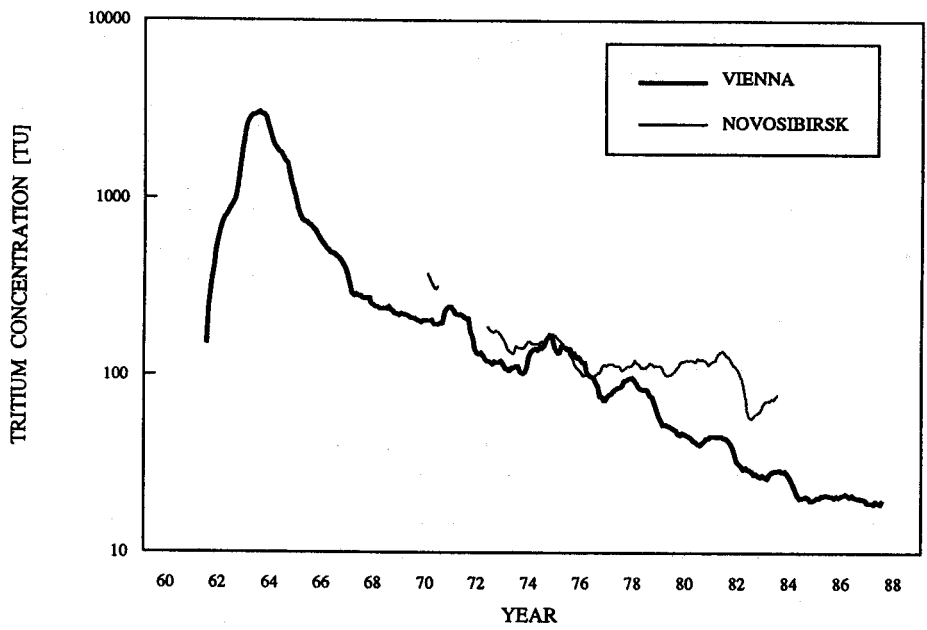
Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	19	15											-17.7	4.0	13	1.3	0.5	10
Feb	16	15											-15.7	2.4	15	1.4	0.4	12
Mar	17	15											-9.0	2.5	15	2.4	0.6	12
Apr	23	15											2.0	2.2	15	5.5	1.0	12
May	38	15											10.3	1.5	15	8.3	1.2	14
Jun	52	15											17.5	1.6	15	14.5	2.7	13
Jul	63	15											17.9	3.5	15	15.5	3.3	15
Aug	58	15											15.5	1.2	15	13.2	1.5	14
Sep	41	15											9.8	1.2	15	9.7	1.3	12
Oct	38	15											1.6	2.0	15	5.5	0.9	14
Nov	33	15											-6.5	3.5	15	3.1	0.7	14
Dec	20	14											-14.7	3.1	14	1.6	0.4	13

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	135	0.48	0.05	1.20	0.09	0.428	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	11	0.44	0.11	1.29	0.20	0.647	0.09

2963400 NOVOSIBIRSK, RUSSIAN FEDERATION

Lat. 55.03N Long. 82.90E Alt. 162 m a.s.l.



3071000 IRKUTSK, RUSSIAN FEDERATION

Lat. 52.27N Long. 104.35E Alt. 485 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	492 (12)	454.8 (85.3/6)	380.2							-1.8 (12)	6.6 (12)
1970	394 (12)	464.2 (91.8/8)	484.3							-0.9 (12)	6.5 (12)
1971	574 (9)	516.7 (100.0/9)	348.2	-11.13 (29.9/4)	-17.13	-78.9 (29.9/4)	-125.0	10.2 (29.9/4)	12.0		
1972	375 (12)	247.3 (91.1/10)	201.7							0.1 (12)	5.0 (12)
1973	595 (12)	173.4 (75.9/7)	145.8							1.5 (12)	5.3 (12)
1974	548 (12)	216.6 (76.4/10)	170.0							-1.2 (12)	6.5 (12)
1975	477 (12)	191.0 (91.8/8)	185.0							0.3 (12)	6.6 (12)
1976	403 (12)	148.9 (96.0/11)	135.7							-0.7 (12)	6.4 (12)
1977	334 (12)	150.8 (63.7/9)	141.3							0.9 (12)	6.9 (12)
1978	423 (12)	103.2 (48.9/9)	108.6							0.8 (12)	6.5 (12)
1979	341 (12)	92.1 (59.5/9)	86.4							0.3 (12)	6.9 (12)
1980	484 (12)	141.9 (99.7/11)	111.9							-0.4 (12)	6.8 (12)
1981	375 (12)	138.3 (90.1/9)	112.7							0.3 (12)	6.5 (12)
1982	512 (11)	67.0 (100.0/11)	59.5								
1983	534 (12)	127.3 (100.0/12)	73.5							1.1 (12)	6.6 (12)
Long Term											
Means 457											0.1 6.4
σ											0.9 0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	12	14										-19.6	3.6	14	1.1	0.3	14
Feb	8	14	-25.10		1	-192.0		1	8.8	1		-17.3	2.7	14	1.2	0.3	14
Mar	12	14										-7.2	4.7	14	2.6	1.2	14
Apr	19	15										1.3	2.1	15	4.2	0.7	15
May	32	15										8.7	1.0	15	7.2	1.1	15
Jun	60	15	-9.30		1	-65.0		1	9.4	1		15.1	1.8	15	12.6	1.8	15
Jul	124	15										17.4	1.2	15	15.2	2.4	15
Aug	71	15										14.4	2.0	15	13.2	2.1	15
Sep	58	15										8.8	1.0	15	8.8	1.6	15
Oct	29	15	-16.90		1	-121.0		1	14.2	1		1.8	3.5	15	5.0	1.0	15
Nov	18	15	-17.20		1	-122.0		1	15.6	1		-7.6	2.7	15	2.7	0.5	15
Dec	18	14										-15.4	2.3	14	1.5	0.4	14

CORRELATIONS

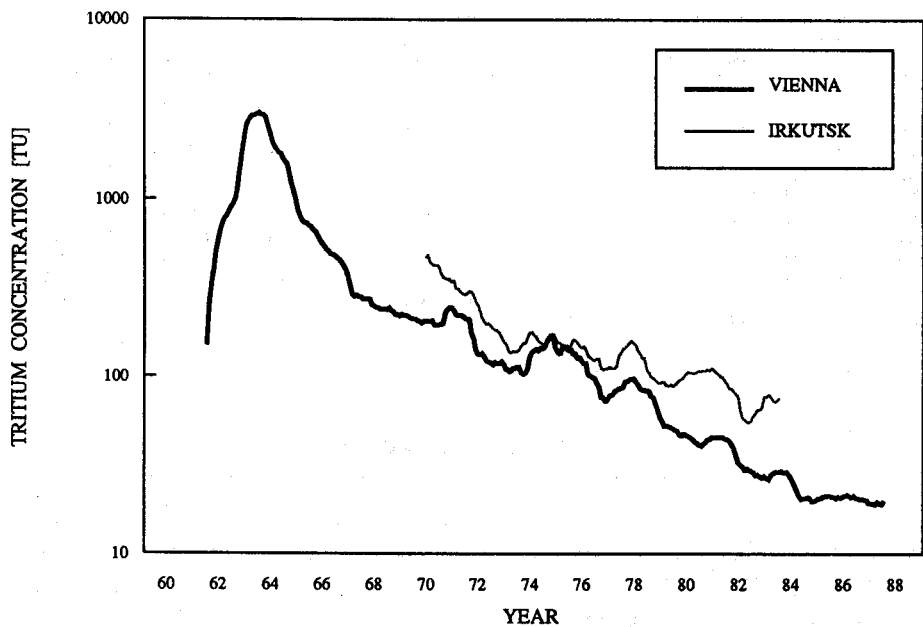
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	134	0.74	0.05	0.73	0.09	0.635	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	0.69	0.12	0.95	0.24	0.762	0.14
3) Monthly Deut vs. Monthly Precipitation	4	0.80	0.44	-152.55	24.57	0.627	38.89
4) Monthly Oxyg-18 vs. Monthly Prec	4	0.10	0.05	-20.70	2.79	0.688	4.42
5) Monthly Deut vs. Monthly Temperature	4	3.36	0.53	-118.54	6.96	0.953	13.78
6) Monthly Oxyg-18 vs. Monthly Temp	4	0.42	0.07	-16.32	0.87	0.953	1.71
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	4	8.04	0.37	12.74	6.70	0.996	4.16
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	4	8.06	0.26	13.03	4.96	0.996	4.16

REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
71 / 9	-13.10	-8.9		

3071000 IRKUTSK, RUSSIAN FEDERATION

Lat. 52.27N Long. 104.35E Alt. 485 m a.s.l.



3173500 HABAROVSK, RUSSIAN FEDERATION

Lat. 48.52N Long. 135.17E Alt. 72 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1970	722 (12)	86.3 (46.9/3)	112.7							1.5 (12)	7.3 (12)
1971	926 (12)	254.4 (97.4/10)	220.2	-14.30 (98.3/11)	-16.13	-103.0 (98.3/11)	-120.7	11.5 (98.3/11)	8.4	1.4 (12)	6.2 (12)
1972	608 (12)	135.0 (69.2/9)	147.3							1.2 (12)	7.5 (12)
1973	561 (12)	226.0 (78.7/6)	187.2							1.2 (12)	7.5 (12)
1974	456 (12)	113.4 (47.1/3)	112.7							1.6 (12)	7.5 (12)
1975	527 (12)	117.8 (92.7/9)	123.3							3.5 (12)	9.2 (12)
1976	508 (12)	101.5 (88.9/8)	102.8							1.7 (12)	7.9 (12)
1977	756 (12)	94.9 (96.0/9)	91.7							1.1 (12)	8.1 (12)
1978	693 (12)	140.1 (90.7/7)	131.8							1.9 (12)	8.3 (12)
1979	714 (12)	78.9 (96.4/11)	84.0							1.8 (12)	8.1 (12)
1980	659 (10)	79.1 (96.4/10)	100.2								
1981	1062 (8)	86.5 (100.0/6)	81.2								
1982	629 (10)	39.4 (69.1/9)	43.4								
1983	741 (10)	50.2 (100.0/10)	54.3								
Long Term Means 683				-14.30	-16.13	-103.0	-120.7	11.5	8.4	1.7	7.8
σ										0.6	0.7

MONTHLY MEANS

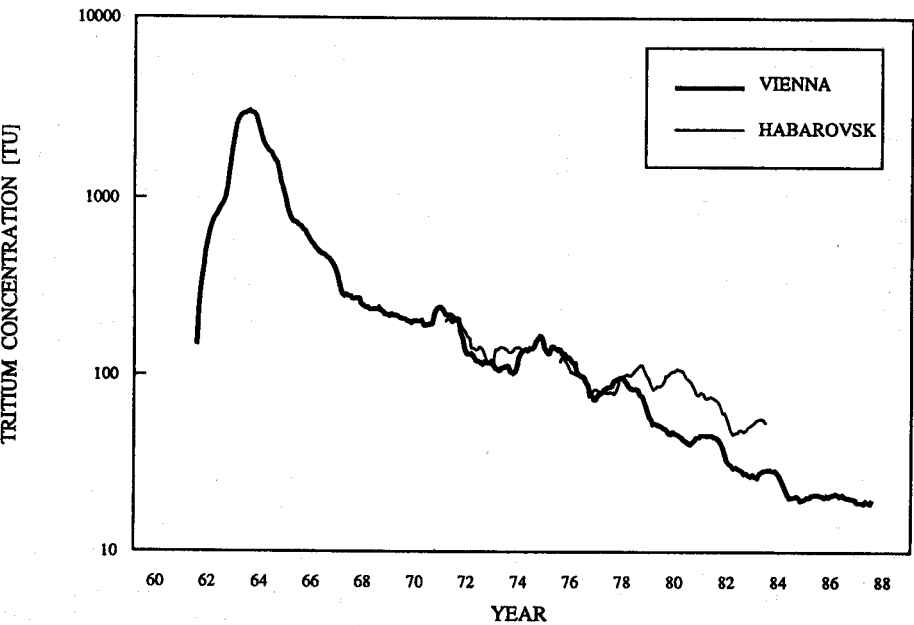
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	13	11	-20.60		1	-164.0		1	0.8		1	-20.9	2.7	11	0.9	0.2	11
Feb	15	12	-19.70		1	-154.0		1	3.6		1	-17.2	1.9	12	1.2	0.2	12
Mar	21	13	-18.30		1	-138.0		1	8.4		1	-7.7	2.1	13	2.5	0.4	13
Apr	50	14	-13.40		1	-99.0		1	8.2		1	3.9	1.7	14	5.8	1.1	14
May	67	14	-15.60		1	-116.0		1	8.8		1	11.6	1.1	14	9.3	1.6	14
Jun	91	13	-19.40		1	-150.0		1	5.2		1	17.4	2.4	13	15.5	2.6	13
Jul	114	14	-14.40		1	-96.0		1	19.2		1	20.9	1.4	14	19.8	2.5	14
Aug	144	14	-10.30		1	-71.0		1	11.4		1	19.4	1.5	14	18.5	2.6	14
Sep	90	14	-6.50		1	-55.0		1	-3.0		1	13.8	2.0	14	12.9	3.1	14
Oct	52	14	-16.40		1	-113.0		1	18.2		1	4.1	1.0	14	5.8	1.0	14
Nov	21	13										-8.5	2.8	13	2.4	0.6	13
Dec	23	12	-22.80		1	-171.0		1	11.4		1	-17.7	1.8	12	1.2	0.3	12

CORRELATIONS

	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs Monthly log T.U. of Vienna	106	0.45	0.06	1.12	0.12	0.316	0.23
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	10	0.67	0.13	0.78	0.25	0.764	0.11
3) Monthly Deut vs. Monthly Precipitation	11	0.24	0.13	-140.68	15.19	0.267	34.51
4) Monthly Oxyg-18 vs. Monthly Prec	11	0.03	0.02	-18.20	2.01	0.182	4.57
5) Monthly Deut vs. Monthly Temperature	11	1.89	0.56	-124.77	8.18	0.558	26.81
6) Monthly Oxyg-18 vs. Monthly Temp	11	0.22	0.08	-16.61	1.11	0.480	3.65
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	11	7.85	0.46	5.93	7.78	0.969	7.04
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	11	7.97	0.42	7.91	7.30	0.969	7.04

3173500 HABAROVSK, RUSSIAN FEDERATION

Lat. 48.52N Long. 135.17E Alt. 72 m a.s.l.



1. The first part of the paper is devoted to the study of the

properties of the function $f(x)$ defined by

$f(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!}$

for $x \geq 0$. It is shown that $f(x)$ is a convex function

and that $f(x)$ is a solution of the differential equation

$f'(x) = f(x)$.

It is also shown that $f(x)$ is a

monotonic increasing function

and that $f(x)$ is a

concave function.

It is also shown that $f(x)$ is a

continuous function.

It is also shown that $f(x)$ is a

differentiable function.

It is also shown that $f(x)$ is a

bounded function.

It is also shown that $f(x)$ is a

uniformly continuous function.

It is also shown that $f(x)$ is a

compact function.

It is also shown that $f(x)$ is a

closed function.

It is also shown that $f(x)$ is a

connected function.

2. The second part of the paper is devoted to the study of the

3212800 HOLMSK, RUSSIAN FEDERATION

Lat. 47.03N Long. 142.03E Alt. 29 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1973	851 (12)	72.0	92.0 (53.1/7)								
1974	762 (12)	48.2	55.1 (93.9/11)							3.5 (12)	7.9 (12)
1975	1033 (12)	41.5	54.5 (86.3/9)								
1976	647 (12)	54.3	56.3 (63.8/9)							3.5 (12)	7.5 (12)
1977	686 (12)	55.5	55.3 (93.5/11)							3.5 (12)	7.9 (12)
1978	870 (12)	59.2	60.8 (64.4/9)							3.7 (12)	8.2 (12)
1979	516 (11)	52.9	50.2 (66.3/11)								
1980	716 (12)	37.1	42.2 (100.0/12)							3.3 (12)	7.8 (12)
1981	1066 (12)	45.4	49.9 (78.2/9)							3.5 (12)	8.0 (12)
1982	831 (12)	23.2	25.6 (90.9/11)							4.3 (12)	8.3 (12)
1983	582 (11)	32.5	32.4 (74.7/11)								
Long Term											
Means 778											3.6 8.0
σ											0.3 0.2

MONTHLY MEANS

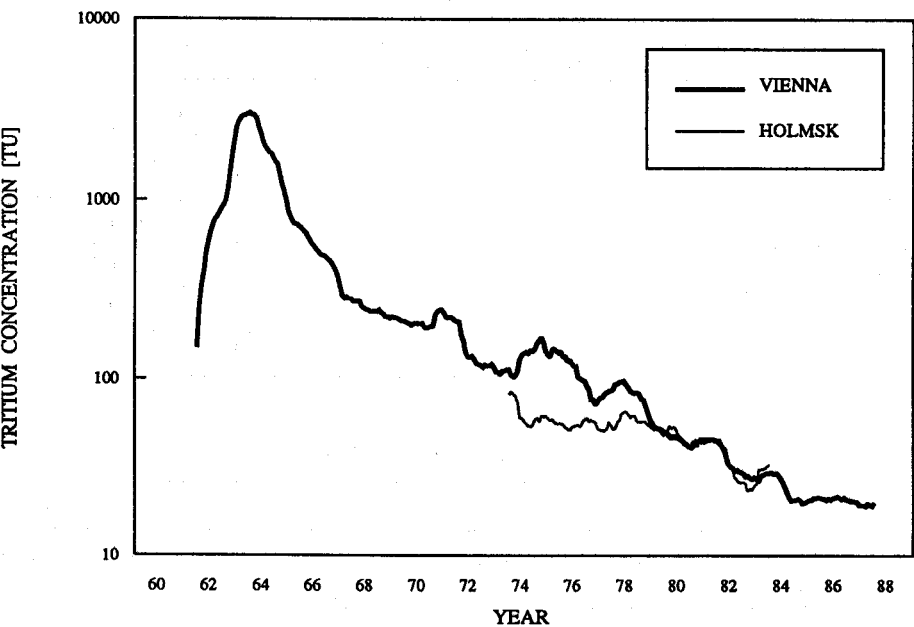
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	59	11										-10.3	1.8	10	2.3	0.3	10
Feb	39	11										-9.6	2.2	10	2.3	0.5	10
Mar	24	11										-4.0	2.2	10	3.3	0.5	10
Apr	40	11										1.9	1.5	11	5.5	0.8	11
May	52	10										6.7	0.8	10	8.1	0.6	10
Jun	52	11										11.0	1.2	10	11.6	1.0	10
Jul	94	11										15.9	1.1	11	15.9	1.7	11
Aug	105	11										17.4	1.2	11	16.9	2.0	11
Sep	76	10										13.8	1.0	10	12.9	1.0	10
Oct	121	11										7.0	0.6	11	7.8	0.8	11
Nov	65	11										-0.5	1.5	11	4.6	0.5	11
Dec	64	11										-5.8	1.9	11	2.8	0.9	11

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	108	0.49	0.06	0.77	0.10	0.416	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	6	0.29	0.17	1.07	0.32	0.419	0.11

3212800 HOLMSK, RUSSIAN FEDERATION

Lat. 47.03N Long. 142.03E Alt. 29 m a.s.l.



3258300 PETROPAVLOVSK-NA-KAMCATKE, RUSSIAN FEDERATION

Lat. 52.98N Long. 158.65E Alt. 24 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	1225 (12)	89.6 (58.0/6)	102.5							1.6 (12)	6.0 (12)
1972	1607 (12)	61.8 (35.2/5)	80.6							2.2 (12)	6.3 (12)
1973	1278 (12)	76.1 (73.8/9)	86.4							2.1 (12)	6.0 (12)
1974	1687 (12)	34.1 (100.0/12)	48.1							2.8 (12)	6.2 (12)
1975	1123 (12)	49.9 (56.9/6)	50.4							2.0 (12)	6.1 (12)
1976	1842 (12)	27.1 (58.1/8)	33.9							2.0 (12)	5.9 (12)
1977	979 (12)	45.8 (100.0/12)	58.2								
1978	974 (12)	48.5 (80.9/9)	47.2								
1979	1118 (12)	35.4 (81.4/10)	37.2							1.9 (12)	5.9 (12)
1980	1343 (12)	35.4 (64.7/7)	34.5								
1981	1310 (11)	37.8 (100.0/11)	36.8								
1982	1079 (12)	15.2 (97.3/11)	19.6								
1983	893 (10)	22.3 (70.5/10)	28.7								
Long Term											
Means 1266											2.1 6.1
σ											0.3 0.1

MONTHLY MEANS

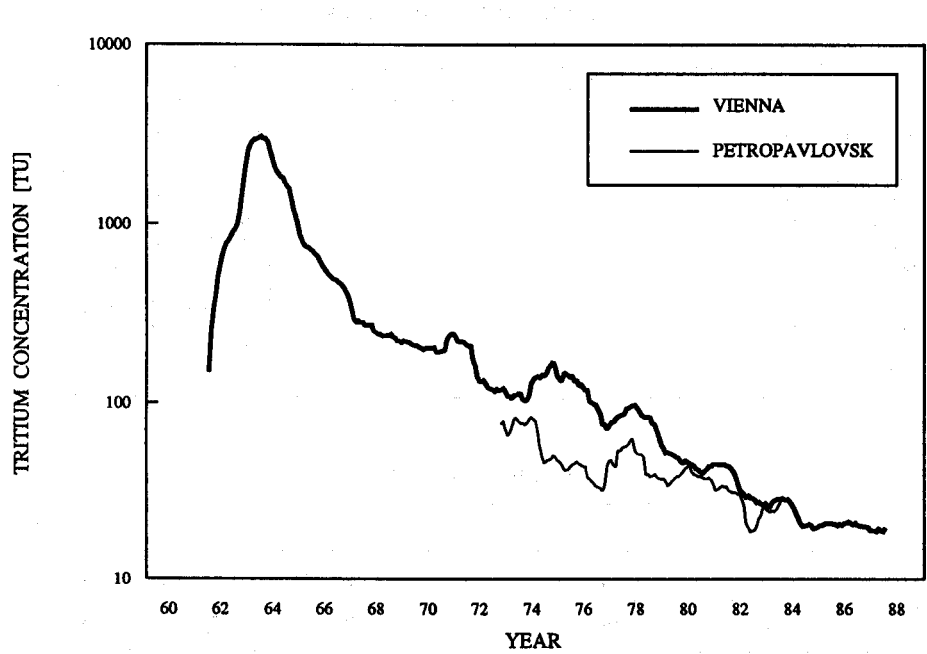
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	113	13										-8.0	3.2	9	2.4	0.7	9
Feb	140	12										-7.4	2.4	9	2.5	0.6	9
Mar	77	12										-4.6	2.0	9	2.9	0.4	9
Apr	78	13										-0.3	0.8	9	4.1	0.3	9
May	71	13										3.6	1.4	9	5.8	0.2	9
Jun	66	13										8.5	0.9	8	8.4	0.3	8
Jul	61	13										12.0	1.0	9	11.6	0.7	9
Aug	104	13										13.0	0.8	9	12.7	1.6	9
Sep	103	13										10.0	0.6	9	9.4	0.5	9
Oct	215	13										4.5	0.8	9	6.0	0.4	9
Nov	120	12										-1.8	1.3	8	3.7	0.4	8
Dec	144	13										-5.7	1.9	9	2.9	0.5	9

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	113	0.68	0.07	0.33	0.13	0.448	0.24
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	6	0.45	0.28	0.70	0.53	0.388	0.16

3258300 PETROPAVLOVSK-NA-KAMCATKE, RUSSIAN FEDERATION

Lat. 52.98N Long. 158.65E Alt. 24 m a.s.l.



3383700 ODESSA, UKRAINE

Lat. 46.48N Long. 30.63E Alt. 64 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	561	218.2	259.6							9.7	11.1
	(12)		(33.8/5)							(12)	(12)
1971	519	90.7	83.6							9.7	9.2
	(12)		(62.0/5)							(12)	(12)
1972	399	193.7	175.9							9.9	9.3
	(12)		(63.4/6)							(12)	(12)
1973	445	82.7	78.0							9.0	9.0
	(12)		(37.5/3)							(12)	(12)
1974	431	81.2	74.7							9.4	10.9
	(12)		(83.9/10)							(12)	(12)
1975	312	80.2	101.3							11.8	12.0
	(12)		(65.7/9)							(12)	(12)
1976	517	69.3	60.8							8.7	10.2
	(12)		(89.1/10)							(12)	(12)
1977	523	76.1	71.3							10.0	11.2
	(12)		(97.8/10)							(12)	(12)
1978	468	72.4	76.8							9.4	11.0
	(12)		(100.0/12)							(12)	(12)
1979	476	55.6	58.6							10.5	11.7
	(12)		(91.1/9)							(12)	(12)
1980	624	49.9	52.0	-8.68	-8.35					9.7	10.5
	(12)		(100.0/12)		(53.8/7)					(12)	(12)
1981	559	50.9	59.4	-9.79	-8.52	-70.0	-59.9	8.8	7.8	10.9	10.9
	(12)		(100.0/12)		(100.0/12)		(90.1/11)		(90.1/11)	(12)	(12)
1982	329	41.8	36.8	-8.70	-8.90	-61.6	-63.8	8.1	7.4	10.4	10.6
	(12)		(99.6/11)		(99.6/11)		(99.6/11)		(99.6/11)	(12)	(12)
1983	246	38.8	43.2	-7.97	-7.94	-56.4	-57.7	6.8	5.4	10.9	10.2
	(12)		(99.5/11)		(96.7/10)		(89.8/10)		(86.9/9)	(12)	(12)
1984	483	26.5	28.5							10.0	10.4
	(12)		(85.5/10)							(12)	(12)
Long Term											
Means 459				-9.09	-8.45	-64.5	-60.5	8.2	6.9	10.0	10.5
σ				0.97	0.48	7.2	3.0	1.0	1.2	0.8	0.8

MONTHLY MEANS

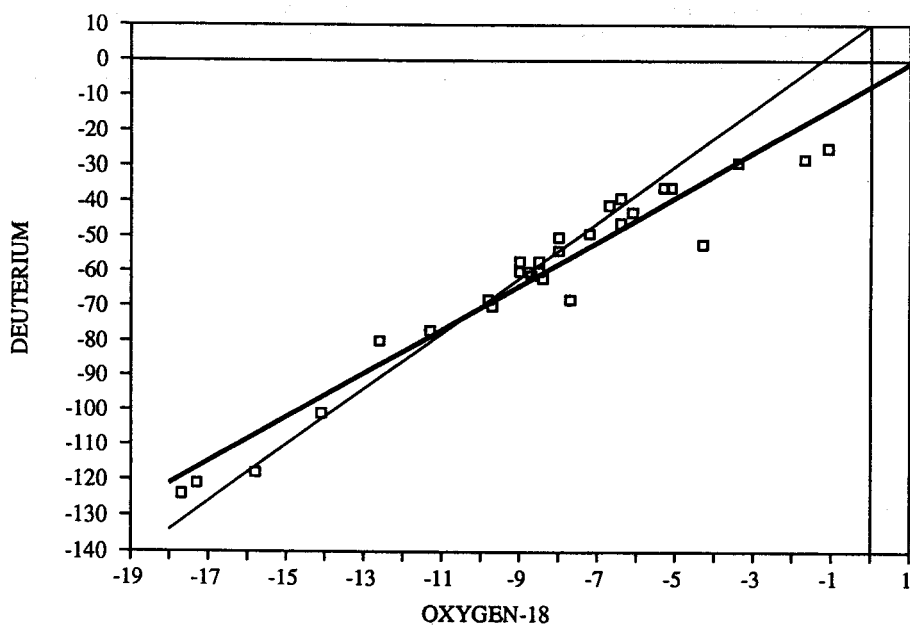
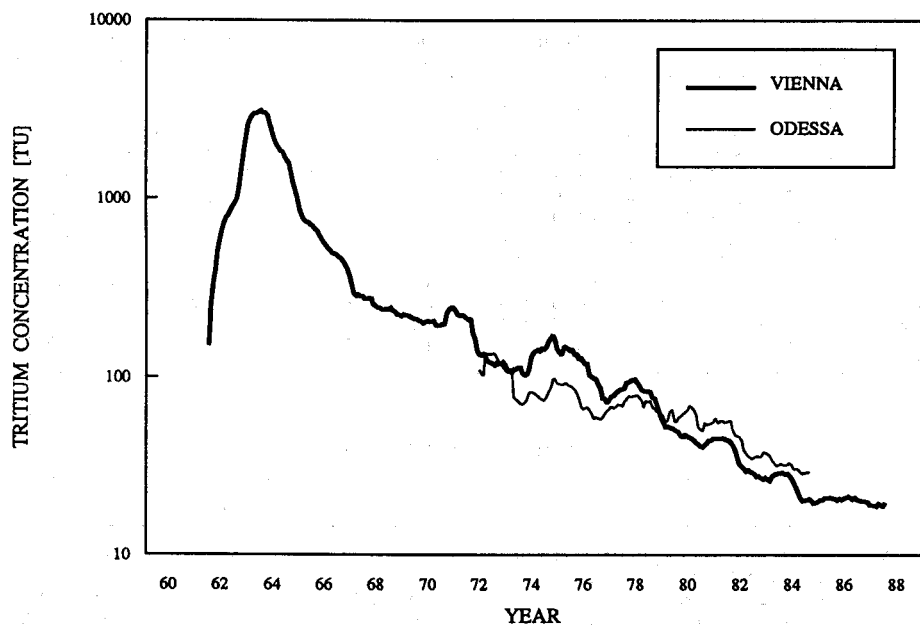
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	32	15	-13.07	4.52	3	-100.5	36.2	2	19.1	3.0	2	-2.1	4.0	15	4.5	1.3	15
Feb	38	15	-14.40	4.70	3	-104.0	33.3	3	11.2	6.2	3	-0.9	2.3	15	4.9	0.9	15
Mar	35	15	-8.30	1.08	3	-55.7	6.8	3	10.7	4.1	3	2.8	2.8	15	6.4	1.7	15
Apr	42	15	-7.87	2.78	4	-45.3	15.3	3	9.1	3.2	3	8.2	1.6	15	8.5	1.2	15
May	37	15	-5.93	3.35	4	-48.0	35.3	2	-10.4	7.0	2	14.7	1.5	15	12.9	1.0	15
Jun	47	15	-5.75	2.26	4	-36.0	7.8	3	2.9	4.6	3	18.4	1.6	15	15.5	1.8	15
Jul	49	15	-6.90	1.11	4	-43.3	2.8	3	7.9	4.6	3	20.4	1.7	15	17.3	1.5	15
Aug	29	15	-7.10	2.05	4	-55.3	4.6	3	0.1	17.3	3	20.7	1.4	15	16.6	1.8	15
Sep	35	15	-8.50	0.88	2	-50.0		1	14.0		1	16.8	1.9	15	14.2	2.2	15
Oct	24	15	-6.65	4.01	4	-49.0	23.4	3	-0.2	15.8	3	11.1	2.2	15	10.5	1.8	15
Nov	50	15	-11.55	4.51	2	-73.7	26.6	3	11.9	0.1	2	6.8	2.7	15	8.2	2.3	15
Dec	41	15	-9.87	1.57	3	-67.3	11.2	3	11.6	1.7	3	2.5	2.0	15	6.3	1.0	15

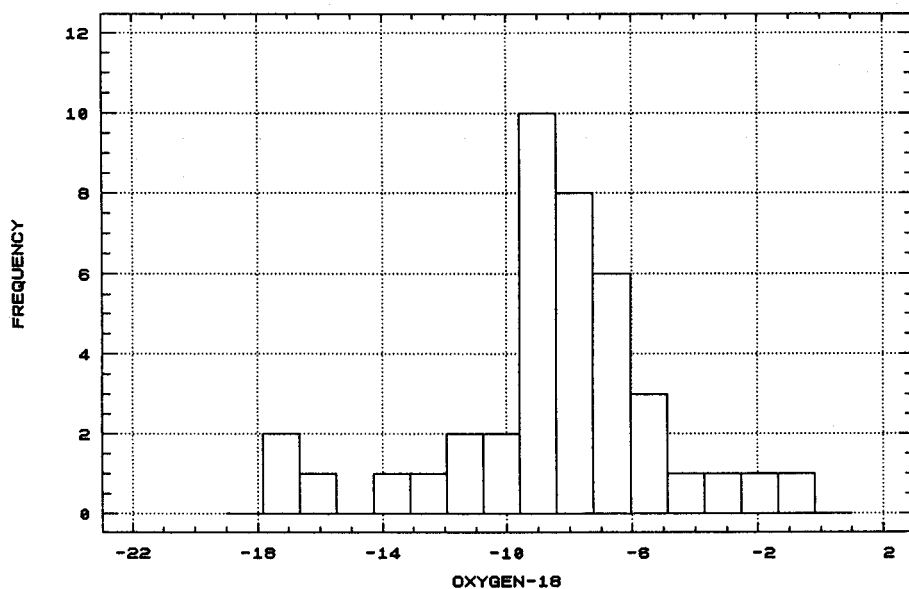
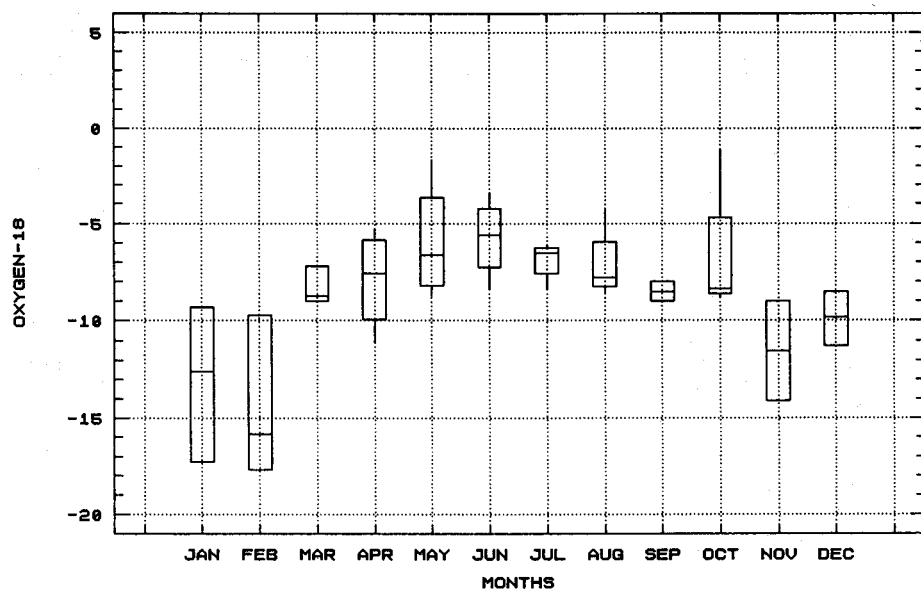
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	129	0.62	0.05	0.66	0.10	0.505	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.45	0.03	0.95	0.06	0.963	0.02
3) Monthly Deut vs. Monthly Precipitation	32	-0.23	0.19	-53.03	7.57	0.047	25.23
4) Monthly Oxyg-18 vs. Monthly Prec	40	-0.04	0.02	-7.14	1.01	0.058	3.47
5) Monthly Deut vs. Monthly Temperature	32	2.07	0.43	-81.86	5.61	0.436	19.42
6) Monthly Oxyg-18 vs. Monthly Temp	40	0.28	0.06	-11.63	0.77	0.400	2.77
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	31	6.33	0.31	-7.13	2.87	0.935	6.69
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	31	6.55	0.30	-5.31	3.02	0.935	6.69

3383700 ODESSA, UKRAINE

Lat. 46.48N Long. 30.63E Alt. 64 m a.s.l.





3473100 ROSTOV-NA-DONU, RUSSIAN FEDERATION

Lat. 47.25N Long. 39.82E Alt. 77 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1970	656	87.6	111.9							11.0	12.3
	(12)		(90.7/11)							(12)	(12)
1971	502	148.0	158.2							10.3	8.8
	(12)		(97.6/11)							(12)	(12)
1972	392	122.4	123.4							10.9	9.1
	(12)		(79.5/9)							(12)	(12)
1973	1304	83.4	92.1							9.0	7.9
	(12)		(50.0/11)							(12)	(12)
1974	565	96.8	88.8							9.8	11.8
	(12)		(79.4/9)							(12)	(12)
1975	478	88.2	84.1							11.2	11.3
	(12)		(93.5/10)							(12)	(12)
1976	657	63.7	62.2							7.7	10.0
	(12)		(90.4/11)							(12)	(12)
1977	803	75.4	70.9							9.2	11.2
	(12)		(100.0/12)							(12)	(12)
1978	701	74.0	71.0							9.1	10.3
	(12)		(66.3/10)							(12)	(12)
1979	434	53.1	58.4							9.8	10.1
	(12)		(92.3/9)							(12)	(12)
1980	717	57.3	58.9	-6.58	-6.30					8.7	10.0
	(12)		(92.8/11)		(75.0/9)					(12)	(12)
1981	689	44.4	47.2	-8.60	-7.36	-58.5	-49.7	10.3	9.2	11.3	10.2
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	(12)
1982	590	61.7	58.9	-9.43	-9.05	-60.3	-53.9	1.9	2.9	9.2	9.3
	(12)		(99.1/10)		(99.1/10)		(68.8/7)		(68.8/7)	(12)	(12)
1983	652	42.9	40.4	-10.42	-10.44	-76.8	-79.2	8.8	8.4	10.7	9.6
	(12)		(99.8/11)		(99.8/11)		(94.6/10)		(94.6/10)	(12)	(12)
1984	469	38.2	36.7	-7.70	-7.69	-53.4	-52.6	11.0	11.8	9.8	9.5
	(12)		(96.8/11)		(72.7/9)		(52.6/7)		(52.6/7)	(12)	(12)
Long Term											
Means 641				-8.83	-8.29	-67.1	-64.5	9.6	8.8	9.8	10.1
σ				1.64	1.82	12.9	20.8	1.0	0.6	1.0	1.1

MONTHLY MEANS

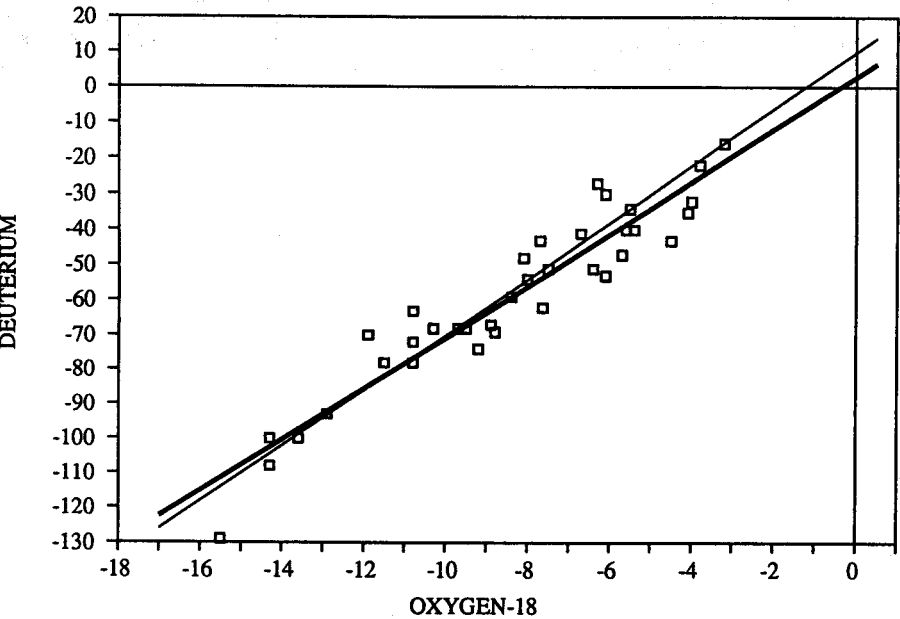
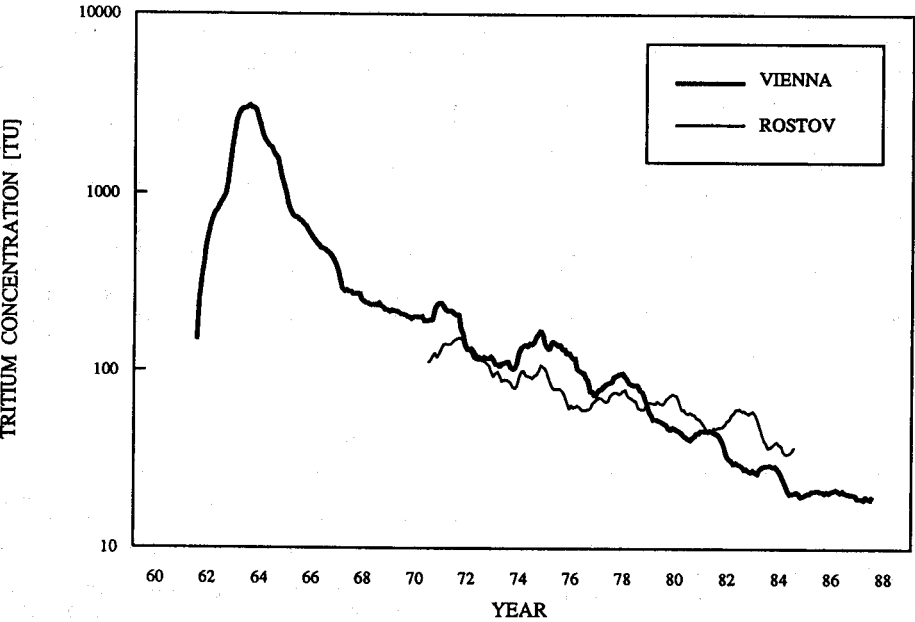
Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	42	15		-10.75	1.73	4	-66.3	3.2	3	13.7	9.5	3	-4.6	3.8	15	3.7	1.1	15
Feb	82	15		-10.87	4.26	4	-63.7	12.5	3	9.7	9.2	3	-2.4	3.7	15	4.3	1.4	15
Mar	47	15		-9.98	2.22	4	-69.0	9.2	3	5.8	8.5	3	1.3	3.1	15	5.3	1.2	15
Apr	59	15		-8.72	0.75	5	-61.2	14.8	4	6.9	9.3	4	12.3	3.9	15	10.3	3.7	15
May	55	15		-6.86	4.28	5	-55.7	43.2	3	2.2	6.5	3	17.1	2.2	15	12.5	2.0	15
Jun	53	15		-6.16	1.78	5	-37.5	27.4	2	2.1	11.1	2	21.1	2.2	15	15.7	1.8	15
Jul	65	15		-5.00	2.64	5	-36.0	19.0	4	10.4	10.9	4	23.0	1.5	15	18.2	2.4	15
Aug	49	15		-5.46	0.86	5	-41.0	1.5	4	3.4	8.7	4	21.1	2.8	15	16.0	2.7	15
Sep	36	15		-7.63	2.48	3	-42.5	15.0	2	9.5	0.8	2	16.8	1.6	15	13.7	2.5	15
Oct	35	15		-7.50	4.09	3	-63.0	26.5	2	12.6	7.4	2	9.1	2.4	15	9.1	1.9	15
Nov	51	15		-9.65	4.98	4	-77.0	46.6	3	11.8	7.1	3	3.5	2.2	15	6.5	1.0	15
Dec	68	15		-12.00	4.42	4	-99.7	33.2	3	11.5	17.2	3	-0.7	2.6	15	5.1	1.0	15

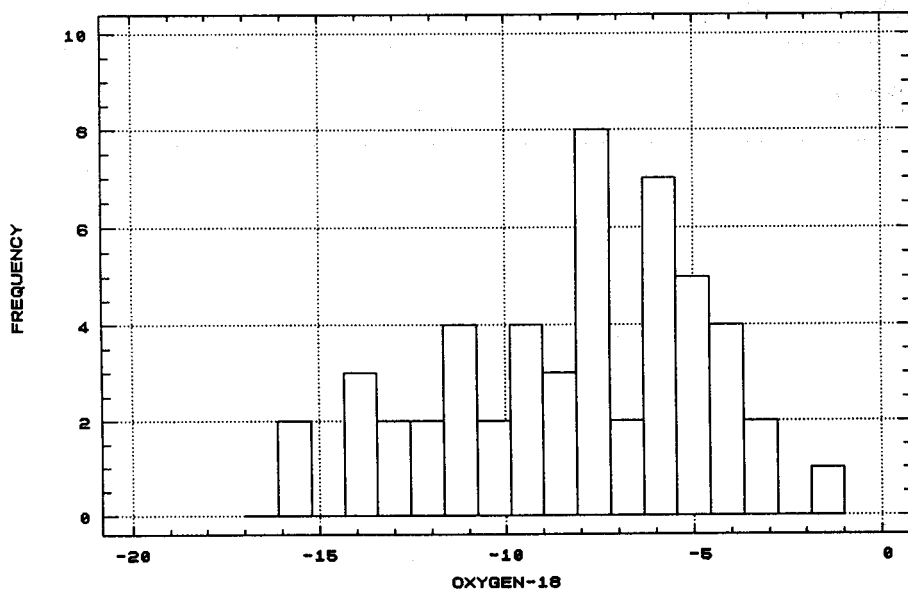
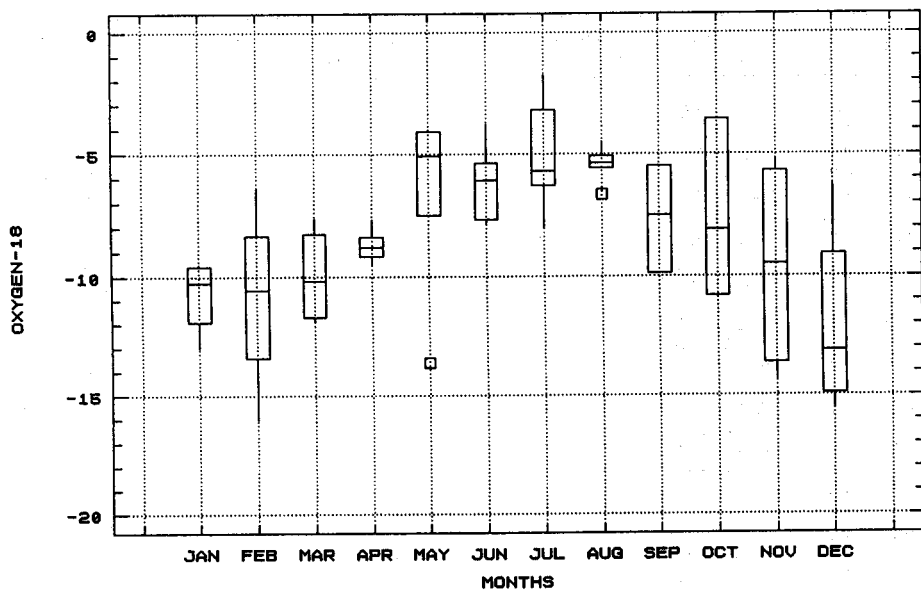
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	151	0.53	0.04	0.84	0.08	0.499	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	0.47	0.07	0.96	0.15	0.797	0.08
3) Monthly Deut vs. Monthly Precipitation	36	-0.26	0.13	-45.04	8.14	0.106	24.32
4) Monthly Oxyg-18 vs. Monthly Prec	51	-0.03	0.02	-6.51	1.00	0.071	3.31
5) Monthly Deut vs. Monthly Temperature	36	1.62	0.37	-76.79	5.27	0.362	20.56
6) Monthly Oxyg-18 vs. Monthly Temp	51	0.24	0.04	-10.89	0.55	0.454	2.54
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	36	7.38	0.42	3.01	3.80	0.901	8.11
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	36	7.78	0.41	6.36	3.92	0.901	8.11

3473100 ROSTOV-NA-DONU, RUSSIAN FEDERATION

Lat. 47.25N Long. 39.82E Alt. 77 m a.s.l.





3754900 TBILISI, GEORGIA

Lat. 41.68N Long. 44.95E Alt. 490 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	498 (12)	148.6 (34.5/5)	172.6							12.0 (12)	11.0 (12)
1970	484 (12)	255.8 (95.4/10)	236.8							13.4 (12)	12.3 (12)
1971	382 (12)	154.2 (47.3/5)	149.6							14.0 (12)	10.1 (12)
1972	791 (12)	202.6 (93.1/9)	139.5							12.3 (12)	9.7 (12)
1973	610 (12)	97.7 (70.6/8)	93.7							12.6 (12)	10.3 (12)
1974	472 (12)	92.2 (77.7/8)	82.9							10.7 (12)	11.3 (12)
1975	515 (12)	63.9 (90.6/10)	71.7							14.0 (12)	13.0 (12)
1976	585 (12)	72.4 (100.0/12)	67.0							12.1 (12)	12.1 (12)
1977	470 (12)	93.8 (88.5/9)	87.6							14.0 (12)	12.4 (12)
1978	537 (12)									13.2 (12)	10.3 (12)
1979	508 (12)	57.5 (40.3/6)	60.0							13.6 (12)	11.0 (12)
1980	405 (11)	74.4 (75.9/10)	68.6								
1981	524 (9)	78.5 (100.0/9)	72.8								
1982	653 (11)	43.1 (100.0/11)	50.6								
1983	406 (8)	39.9 (77.6/8)	39.7								
Long Term Means 523											12.9
σ											1.0
											1.0

MONTHLY MEANS

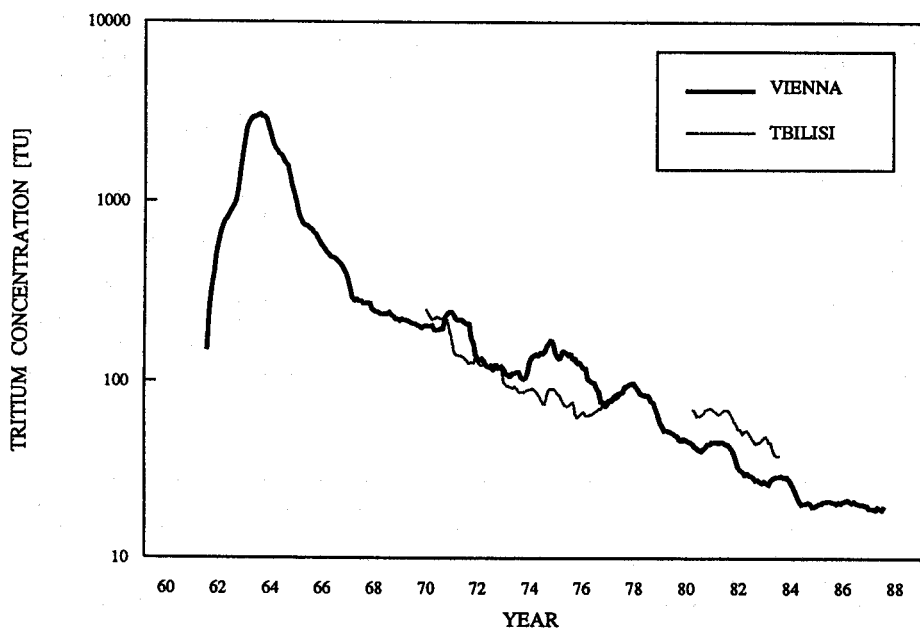
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	27	13										0.8	2.1	13	5.1	0.9	13
Feb	27	14										3.1	3.2	14	5.6	1.0	14
Mar	31	15										7.0	2.2	15	7.3	1.3	15
Apr	48	15										13.2	1.8	15	9.9	1.5	15
May	83	15										17.6	1.0	15	13.7	1.4	15
Jun	88	15										21.5	1.7	15	17.2	2.8	15
Jul	48	15										24.5	1.8	15	19.7	2.8	15
Aug	51	14										23.8	2.4	14	19.1	3.9	14
Sep	46	14										19.7	1.7	14	16.0	2.2	14
Oct	38	15										13.2	1.8	15	11.3	1.4	15
Nov	29	15										7.2	4.6	15	7.7	2.0	15
Dec	24	11										4.2	3.6	11	6.3	1.4	11

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	117	0.53	0.05	0.88	0.11	0.451	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	10	0.62	0.19	0.75	0.37	0.571	0.18

3754900 TBILISI, GEORGIA

Lat. 41.68N Long. 44.95E Alt. 490 m a.s.l.



3845700 TASHKENT, UZBEKISTAN

Lat. 41.27N Long. 69.27E Alt. 428 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	608 (12)	270.8 (36.8/4)	304.5							11.8 (12)	10.5 (12)
1970	397 (12)	163.0 (76.5/6)	184.4							13.7 (12)	10.1 (12)
1971	336 (12)	107.0 (77.9/5)	112.6	-7.01 (94.0/7)	-7.05	-43.0 (94.0/7)	-44.5	13.2 (94.0/7)	12.0	14.9 (12)	8.8 (12)
1972	720 (12)	120.7 (64.4/6)	119.4							12.3 (12)	8.4 (12)
1973	531 (12)	105.2 (55.9/7)	97.2							13.9 (12)	9.0 (12)
1974	333 (12)	79.6 (78.3/5)	82.6							13.5 (12)	10.1 (12)
1975	371 (12)	99.9 (40.9/5)	99.6							14.4 (12)	9.8 (12)
1976	458 (12)	60.6 (99.3/8)	57.9							13.9 (12)	10.0 (12)
1977	447 (12)	85.5 (85.0/9)	88.6							13.8 (12)	12.6 (12)
1978	485 (12)	78.0 (54.0/6)	88.7							13.8 (12)	10.9 (12)
1979	511 (11)	69.2 (100.0/8)	72.3								
1980	378 (10)	76.2 (67.9/8)	79.5								
1981	401 (11)	72.0 (79.6/9)	80.4								
1982	379 (9)	53.5 (85.2/9)	61.9								
1983	315 (8)	49.0 (70.8/8)	59.4								
Long Term Means 445				-7.01	-7.05	-43.0	-44.5	13.2	12.0	13.6	10.0
σ										0.9	1.1

MONTHLY MEANS

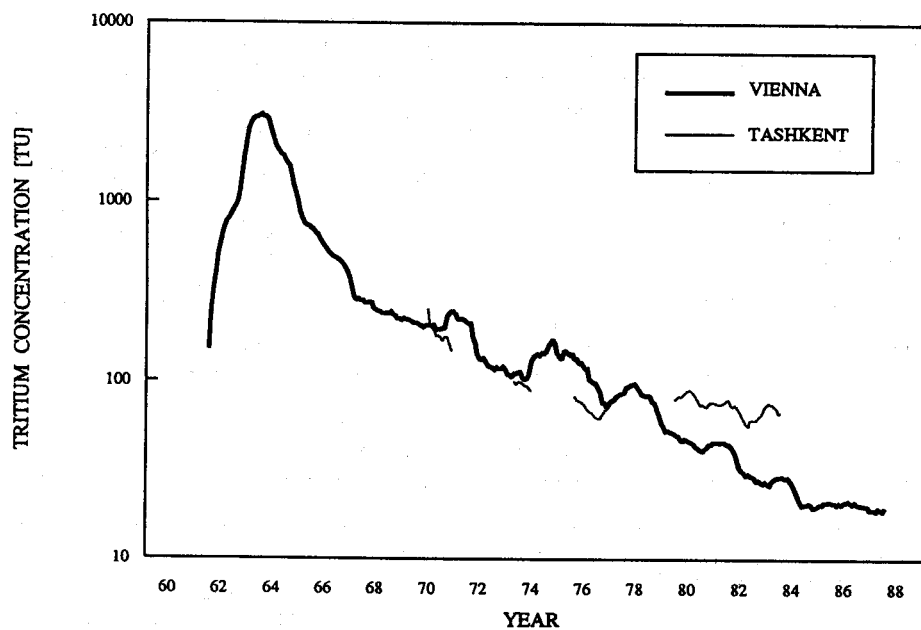
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	56	14	-12.90		1	-83.0		1	20.2		1	-1.2	4.7	14	4.4	1.7	14
Feb	57	15	-9.90		1	-78.0		1	1.2		1	1.5	4.3	15	5.1	1.2	15
Mar	70	15	-3.30		1	-8.0		1	18.4		1	8.4	2.0	15	7.7	1.1	15
Apr	55	15	-3.80		1	4.0		1	34.4		1	16.1	1.0	15	12.6	2.0	15
May	52	15										20.2	1.3	15	14.7	2.3	15
Jun	8	15										25.4	0.9	15	14.3	3.3	15
Jul	5	12										27.4	1.1	12	14.6	3.1	12
Aug	3	12										25.0	0.9	12	14.6	3.9	12
Sep	5	12										19.1	3.1	12	12.3	3.7	12
Oct	36	14	-5.80		1	-42.0		1	4.4		1	12.7	2.3	14	10.4	2.3	14
Nov	43	15	-5.00		1	-26.0		1	14.0		1	8.0	2.9	15	7.9	1.1	15
Dec	64	15	-8.60		1	-78.0		1	-9.2		1	3.6	2.7	15	6.4	1.2	15

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	101	0.47	0.05	1.06	0.10	0.420	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	8	0.37	0.13	1.18	0.25	0.585	0.11
3) Monthly Deut vs. Monthly Precipitation	7	0.19	0.78	-52.97	38.25	0.012	39.17
4) Monthly Oxyg-18 vs. Monthly Prec	7	0.00	0.08	-7.27	3.78	0.001	3.87
5) Monthly Deut vs. Monthly Temperature	7	4.35	1.42	-81.72	14.99	0.653	23.21
6) Monthly Oxyg-18 vs. Monthly Temp	7	0.49	0.09	-11.24	0.96	0.854	1.48
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	7	9.43	1.70	21.95	13.20	0.860	14.73
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	7	10.16	1.44	27.14	12.14	0.860	14.73

3845700 TASHKENT, UZBEKISTAN

Lat. 41.27N Long. 69.27E Alt. 428 m a.s.l.



4015301 HAR KNA'AN (TIRAT Yael), ISRAEL

Lat. 32.97N Long. 35.50E Alt. 964 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	1218 (12)	1233.7 (46.2/3)	920.0							17.0 (12)	10.9 (12)
1962	824 (12)	604.8 (4.6/2)	605.0							18.4 (12)	10.5 (12)
1963	990 (12)	1348.8 (57.3/6)	1620.0								
1964	1296 (12)	719.0 (90.5/6)	1220.7	-5.92 (25.7/2)	-5.92	-36.1 (16.3/1)	-36.1	11.4 (16.3/1)	11.4		
1965	867 (12)	310.0 (35.4/1)	310.0	-5.30 (61.2/5)	-5.00	-16.4 (22.9/2)	-11.9	21.9 (22.9/2)	19.9	16.6 (12)	10.2 (12)
1966	873 (12)	125.6 (86.4/6)	151.5	-6.73 (79.6/3)	-6.73	-32.3 (79.6/3)	-34.7	21.6 (79.6/3)	19.3	17.0 (12)	10.9 (12)
1967	1161 (12)	158.1 (81.4/7)	174.6	-5.75 (18.5/1)	-5.75	-21.7 (18.5/1)	-21.7	24.3 (18.5/1)	24.3	15.1 (12)	10.9 (12)
1968	818 (12)	61.6 (64.5/3)	72.7	-6.30 (52.5/1)	-6.30	-24.1 (52.5/1)	-24.1	26.3 (52.5/1)	26.3		
1969	712 (12)	59.0 (33.5/3)	64.0								
1970	484 (12)	56.3 (97.3/7)	65.0								
1971	757 (12)	84.4 (98.2/7)	68.9								
1972	385 (12)	54.4 (100.0/8)	83.5								
1973	484 (12)	32.4 (100.0/7)	39.3								
1974	719 (12)	31.8 (100.0/5)	33.0								
1975	709 (12)	40.5 (91.6/7)	45.2	-6.87 (4.9/2)	-5.32	-29.8 (4.0/1)	-29.8	31.6 (4.0/1)	31.6		
1976	776 (12)	22.9 (98.7/7)	23.8	-6.79 (85.0/6)	-6.38	-29.0 (85.0/6)	-28.0	25.3 (85.0/6)	23.0	15.6 (12)	
1977	704 (12)	27.3 (98.8/5)	28.2	-6.52 (81.5/4)	-6.30	-28.8 (32.6/2)	-28.7	23.5 (32.6/2)	23.5	15.9 (12)	
1978	679 (12)	27.8 (95.5/6)	24.5	-7.27 (95.5/6)	-6.74					16.3 (12)	
1979	625 (12)	23.8 (99.5/8)	29.6	-7.27 (96.0/7)	-6.76	-33.0 (96.0/7)	-31.7	25.2 (96.0/7)	22.4	17.0 (12)	10.1 (12)
1980	826 (12)	17.6 (100.0/7)	16.4	-6.50 (100.0/7)	-5.66	-32.8 (72.6/4)	-32.3	19.9 (72.6/4)	19.8		
1981	709 (12)	21.5 (100.0/6)	26.0	-6.83 (100.0/6)	-5.67						
1982	586 (12)	12.6 (100.0/7)	13.1	-7.38 (98.4/6)	-6.83						
1983	674 (12)	11.6 (100.0/5)	11.9	-7.68 (100.0/5)	-7.28						
1984	239 (12)	8.5 (100.0/3)	8.9	-6.54 (87.0/2)	-6.31	-28.4 (87.0/2)	-26.8	24.0 (87.0/2)	23.7		
1985	193 (12)	9.5 (100.0/4)	9.5	-4.84 (100.0/4)	-4.71	-23.4 (100.0/4)	-21.8	15.4 (100.0/4)	16.0		
1986	744 (12)	8.4 (100.0/5)	9.9	-5.60 (97.9/4)	-5.23	-21.4 (100.0/5)	-25.1	24.0 (97.9/4)	21.8		
1987	769 (12)	8.1 (100.0/6)	8.7	-6.53 (100.0/6)	-6.13	-30.3 (100.0/6)	-26.6	22.0 (100.0/6)	22.4		
Long Term											
Means 734											
σ											
				-6.74	-6.21	-28.7	-27.8	23.2	21.2	16.5	10.6
				0.76	0.72	4.4	4.2	3.5	2.7	0.9	0.3

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	186	27	-6.66	1.45	12	-26.4	6.3	8	21.3	4.9	8	7.9	1.8	10	8.1	0.6	7
Feb	129	27	-6.34	1.24	9	-34.4	13.8	4	20.1	4.7	4	9.0	1.7	10	7.8	0.6	7
Mar	85	27	-6.49	0.67	11	-32.4	5.6	6	19.7	6.4	6	10.7	1.9	10	7.9	0.4	7
Apr	40	27	-5.20	0.78	8	-26.0	0.8	4	17.8	5.3	4	14.3	1.2	10	9.2	0.4	7
May	11	27				-44.9		1				19.0	1.1	10	10.0	1.4	7
Jun	0	27										23.0	1.3	10	11.1	1.0	7
Jul	0	27										24.2	1.2	9	13.5	1.4	6
Aug	1	27										24.1	1.4	9	15.8	1.0	6
Sep	2	27	-7.67		1	-29.8		1	31.6		1	21.9	1.3	10	14.3	1.7	7
Oct	27	27	-4.72	1.02	9	-24.8	6.9	5	16.8	4.1	5	19.7	1.8	10	11.3	2.0	7
Nov	85	27	-5.80	2.18	12	-18.9	12.3	7	23.8	5.4	7	15.1	2.5	10	8.9	1.3	7
Dec	167	27	-6.73	0.94	15	-29.2	7.8	9	24.5	4.1	9	9.6	1.2	10	8.6	0.5	7

CORRELATIONS

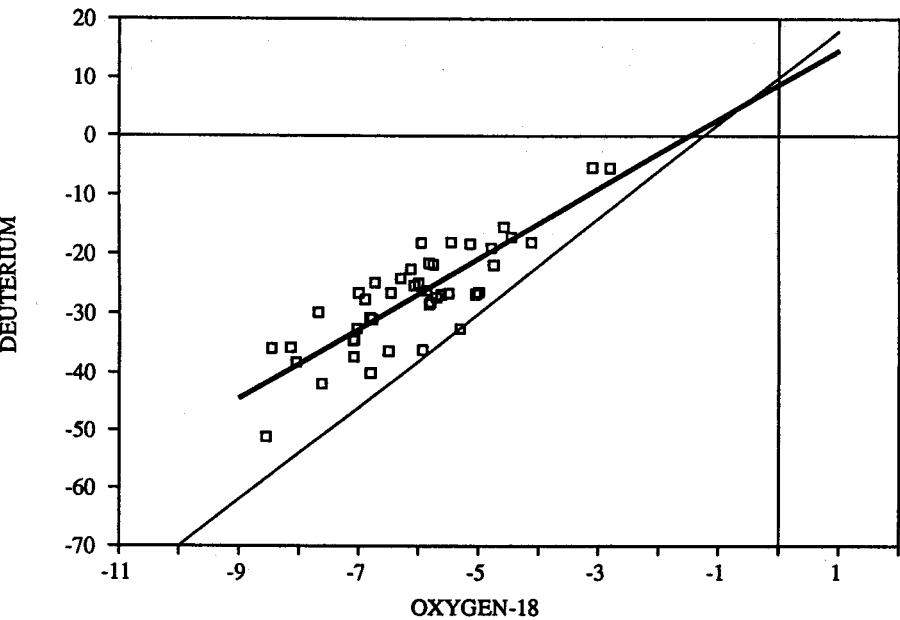
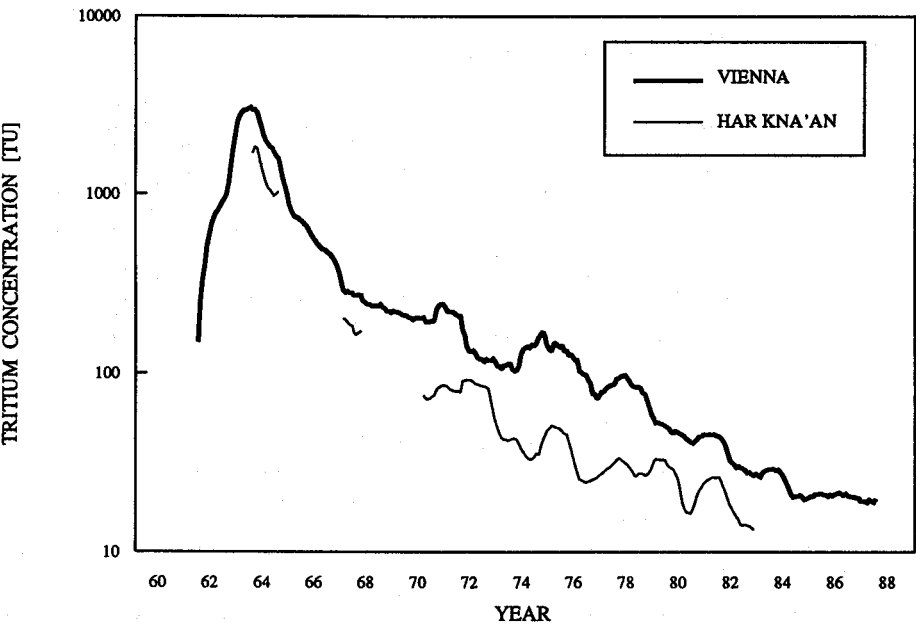
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log of Vienna	142	0.96	0.04	-0.19	0.07	0.831	0.25
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	20	0.93	0.05	-0.31	0.10	0.949	0.11
3) Monthly Deut vs. Monthly Precipitation	45	-0.01	0.01	-26.29	2.25	0.012	9.24
4) Monthly Oxyg-18 vs. Monthly Prec	77	-0.01	0.00	-5.31	0.24	0.189	1.30
5) Monthly Deut vs. Monthly Temperature	21	0.62	0.56	-35.69	6.95	0.059	9.30
6) Monthly Oxyg-18 vs. Monthly Temp	33	0.12	0.05	-7.75	0.67	0.143	1.17
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	44	5.91	0.58	8.73	3.59	0.713	4.83
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	44	7.00	0.56	15.34	3.58	0.713	4.83

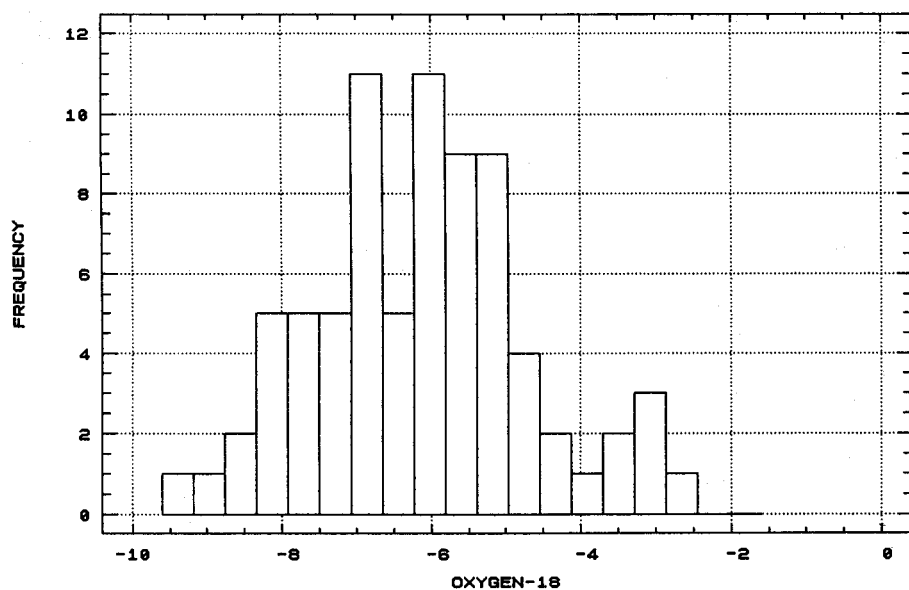
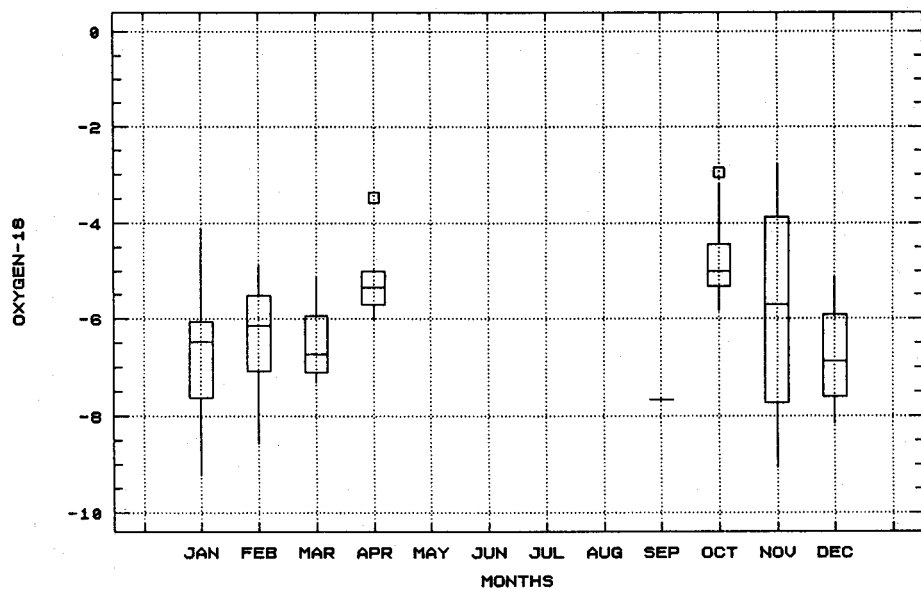
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
76	/ 1	-7.01	-14.6		
84	/ 10	-7.05	-8.1		

4015301 HAR KNA'AN (TIRAT Yael), ISRAEL

Lat. 32.97N Long. 35.50E Alt. 964 m a.s.l.





4017900 BET DAGAN, ISRAEL

Lat. 32.00N Long. 34.82E Alt. 30 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	385 (12)	30.0 (34.2/1)	30.0 (34.2/1)	-5.30 (34.2/1)	-5.30 (34.2/1)	-24.0 (34.2/1)	-24.0 (34.2/1)	18.4 (34.2/1)	18.4 (34.2/1)	19.9 (12)	15.3 (12)
1961	598 (12)	57.2 (34.0/3)	125.0 (34.0/3)	-5.36 (98.3/6)	-4.45 (98.3/6)	-23.1 (98.3/6)	-16.2 (98.3/6)	19.7 (98.3/6)	19.2 (98.3/6)	18.8 (12)	14.5 (12)
1962	374 (12)			-4.84 (66.3/2)	-4.85 (66.3/2)	-19.7 (66.3/2)	-20.5 (66.3/2)	19.0 (66.3/2)	18.3 (66.3/2)	19.6 (12)	15.2 (12)
1963	560 (12)	559.4 (74.2/5)	803.0 (74.2/5)	-5.78 (76.4/5)	-5.10 (76.4/5)	-28.6 (34.5/3)	-25.0 (34.5/3)	27.1 (34.5/3)	19.2 (34.5/3)	20.0 (12)	16.3 (12)
1964	868 (12)	335.7 (98.8/5)	402.0 (98.8/5)	-5.55 (93.0/4)	-5.38 (93.0/4)	-26.8 (75.5/3)	-25.0 (75.5/3)	18.3 (75.5/3)	18.5 (75.5/3)	18.3 (12)	14.7 (12)
1965	541 (12)	247.0 (93.5/6)	261.2 (93.5/6)	-4.76 (93.5/6)	-4.01 (93.5/6)	-23.3 (60.0/2)	-15.8 (60.0/2)	19.5 (60.0/2)	22.1 (60.0/2)	18.9 (12)	14.8 (12)
1966	516 (12)	91.0 (100.0/6)	109.3 (100.0/6)	-4.55 (100.0/6)	-4.42 (100.0/6)	-24.5 (95.0/5)	-26.0 (95.0/5)	12.5 (95.0/5)	11.3 (95.0/5)	19.5 (12)	15.4 (12)
1967	644 (12)	82.8 (82.8/6)	105.2 (82.8/6)	-4.13 (78.0/4)	-4.38 (78.0/4)					18.6 (12)	15.3 (12)
1968	565 (12)	117.2 (99.8/7)	113.6 (99.8/7)	-4.46 (92.6/6)	-5.51 (92.6/6)	-17.3 (67.3/3)	-17.1 (67.3/3)	19.2 (67.3/3)	19.2 (67.3/3)	19.1 (12)	17.1 (12)
1969	514 (12)	56.2 (95.3/6)	62.7 (95.3/6)	-5.28 (100.0/7)	-4.59 (100.0/7)	-24.6 (100.0/7)	-20.0 (100.0/7)	17.7 (100.0/7)	16.7 (100.0/7)	19.2 (12)	16.2 (12)
1970	427 (12)	59.1 (99.8/8)	68.2 (99.8/8)	-5.05 (100.0/9)	-4.01 (100.0/9)	-25.2 (100.0/9)	-18.2 (100.0/9)	15.1 (100.0/9)	13.8 (100.0/9)	18.2 (12)	15.9 (12)
1971	589 (12)	55.9 (99.8/8)	59.4 (99.8/8)	-4.59 (100.0/8)	-3.92 (100.0/8)	-20.2 (100.0/8)	-15.3 (100.0/8)	16.5 (100.0/8)	15.8 (100.0/8)	19.0 (12)	16.0 (12)
1972	571 (12)	43.0 (99.8/8)	53.8 (99.8/8)	-5.84 (99.1/6)	-4.94 (99.1/6)	-28.3 (99.0/6)	-25.5 (99.0/6)	18.3 (99.0/6)	13.3 (99.0/6)	18.8 (12)	15.9 (12)
1973	399 (12)	30.6 (100.0/8)	30.9 (100.0/8)	-4.86 (94.6/7)	-3.98 (94.6/7)	-14.3 (88.6/6)	-7.9 (88.6/6)	25.3 (88.6/6)	25.2 (88.6/6)	19.4 (12)	13.8 (12)
1974	771 (12)	35.5 (100.6/6)	41.0 (100.6/6)	-5.73 (100.0/6)	-4.71 (100.0/6)	-28.3 (100.0/6)	-21.0 (100.0/6)	17.5 (100.0/6)	16.7 (100.0/6)	19.6 (12)	15.0 (12)
1975	478 (12)	34.1 (99.8/6)	33.5 (99.8/6)	-4.96 (99.7/6)	-4.59 (99.7/6)	-22.0 (100.0/7)	-12.8 (100.0/7)	17.7 (99.7/6)	21.2 (99.7/6)	19.8 (12)	14.6 (12)
1976	481 (12)	24.3 (100.0/8)	34.8 (100.0/8)	-4.38 (100.0/8)	-3.74 (100.0/8)	-15.1 (100.0/8)	-9.6 (100.0/8)	20.0 (100.0/8)	18.2 (100.0/8)	19.2 (12)	18.7 (12)
1977	688 (12)	28.2 (100.0/7)	31.2 (100.0/7)	-5.34 (100.0/7)	-4.42 (100.0/7)	-21.6 (100.0/7)	-16.7 (100.0/7)	21.1 (100.0/7)	18.5 (100.0/7)	19.3 (12)	18.8 (12)
1978	419 (12)	22.7 (100.0/7)	27.2 (100.0/7)	-5.59 (100.0/7)	-4.76 (100.0/7)	-33.2 (100.0/7)	-26.7 (100.0/7)	11.3 (100.0/7)	11.3 (100.0/7)	19.2 (12)	18.9 (12)
1979	441 (12)	19.2 (100.0/6)	21.6 (100.0/6)	-5.44 (100.0/6)	-4.21 (100.0/6)	-23.1 (100.0/6)	-16.7 (100.0/6)	20.5 (100.0/6)	16.8 (100.0/6)	22.2 (6)	13.3 (6)
1980	500 (12)	17.1 (100.0/7)	21.3 (100.0/7)	-4.71 (100.0/7)	-3.89 (100.0/7)	-19.2 (20.3/1)	-19.2 (20.3/1)	17.2 (20.3/1)	17.2 (20.3/1)		
1981	452 (12)	19.2 (100.0/6)	26.2 (100.0/6)	-4.73 (100.0/6)	-3.55 (100.0/6)						
1982	498 (12)	11.5 (100.0/6)	12.9 (100.0/6)	-5.07 (100.0/6)	-4.44 (100.0/6)						
1983	619 (12)	13.1 (100.0/7)	12.3 (100.0/7)	-5.44 (100.0/7)	-4.79 (100.0/7)						
1984	406 (12)	11.2 (99.3/7)	11.9 (99.3/7)	-4.32 (100.0/7)	-4.25 (100.0/7)	-14.1 (100.0/7)	-13.6 (100.0/7)	20.5 (100.0/7)	20.3 (100.0/7)		
1985	322 (11)	11.8 (100.0/8)	14.8 (100.0/8)	-5.05 (100.0/8)	-3.70 (100.0/8)	-19.7 (100.0/8)	-18.5 (100.0/8)	20.7 (100.0/8)	11.1 (100.0/8)		
1986	682 (12)	8.1 (100.0/8)	8.4 (100.0/8)	-5.19 (100.0/8)	-4.08 (100.0/8)	-20.3 (100.0/8)	-16.6 (100.0/8)	21.2 (100.0/8)	16.1 (100.0/8)		
1987	576 (12)	7.1 (100.0/7)	10.8 (100.0/7)	-4.40 (99.6/6)	-3.29 (99.6/6)	-17.2 (99.6/6)	-8.5 (99.6/6)	18.1 (99.6/6)	17.8 (99.6/6)		

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess	Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	
Long Term Means 531				-5.02	-4.30	-21.8	-17.1	18.4	16.8	19.2
σ				0.55	0.63	4.5	6.4	3.6	3.9	0.5

MONTHLY MEANS

Month	Mean Prec.	n	Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
			Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	142	28	-5.07	1.27	27	-21.3	12.1	22	19.7	6.9	22	12.3	1.0	19	10.3	0.8	19
Feb	77	28	-4.90	1.28	24	-20.2	7.9	18	19.6	6.8	19	13.0	1.0	20	9.9	2.4	20
Mar	57	28	-4.59	1.67	23	-19.7	11.5	16	16.7	7.8	16	14.9	1.1	19	11.6	1.3	19
Apr	19	27	-3.50	1.52	20	-18.0	10.6	14	9.1	8.5	14	17.7	1.1	19	13.4	2.2	19
May	2	28	-3.07	1.56	6	-7.9	13.8	6	16.7	4.1	6	20.5	0.9	20	15.8	3.1	20
Jun	0	28										23.4	0.6	20	19.1	2.8	20
Jul	0	28										25.2	0.6	20	22.3	3.7	20
Aug	0	28										25.6	0.5	20	22.5	2.3	20
Sep	0	28	0.86	3.41	3	6.0	10.6	4	0.2	9.8	3	24.2	0.6	20	20.5	2.6	20
Oct	25	28	-3.39	0.89	16	-13.6	7.8	13	14.3	7.9	8	21.6	1.0	19	17.8	2.0	19
Nov	69	28	-3.72	1.55	27	-12.5	11.6	18	19.2	6.5	13	17.4	1.8	19	14.1	1.6	19
Dec	137	28	-5.13	1.24	26	-22.2	9.5	21	19.2	5.3	16	13.9	2.3	19	11.5	1.4	19

CORRELATIONS

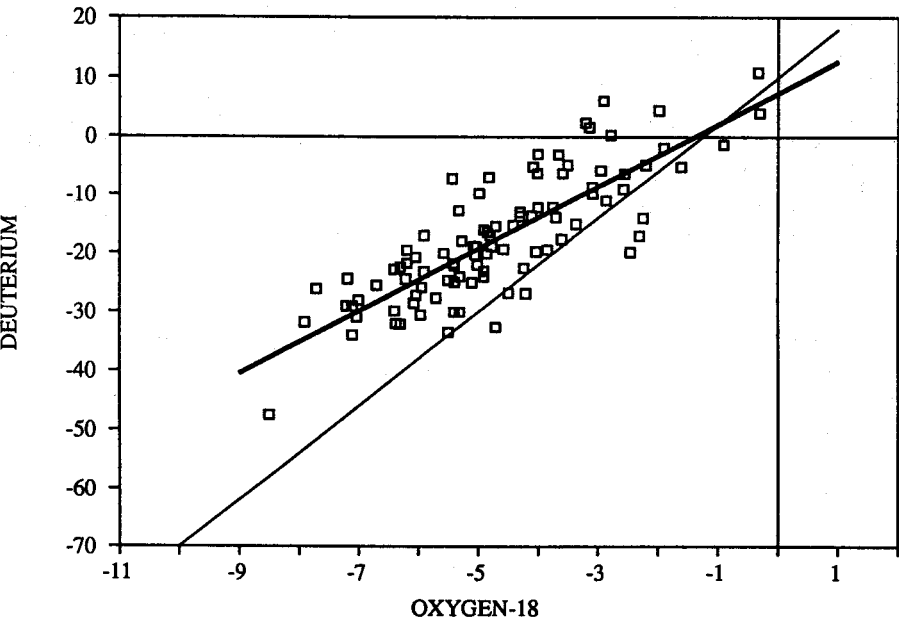
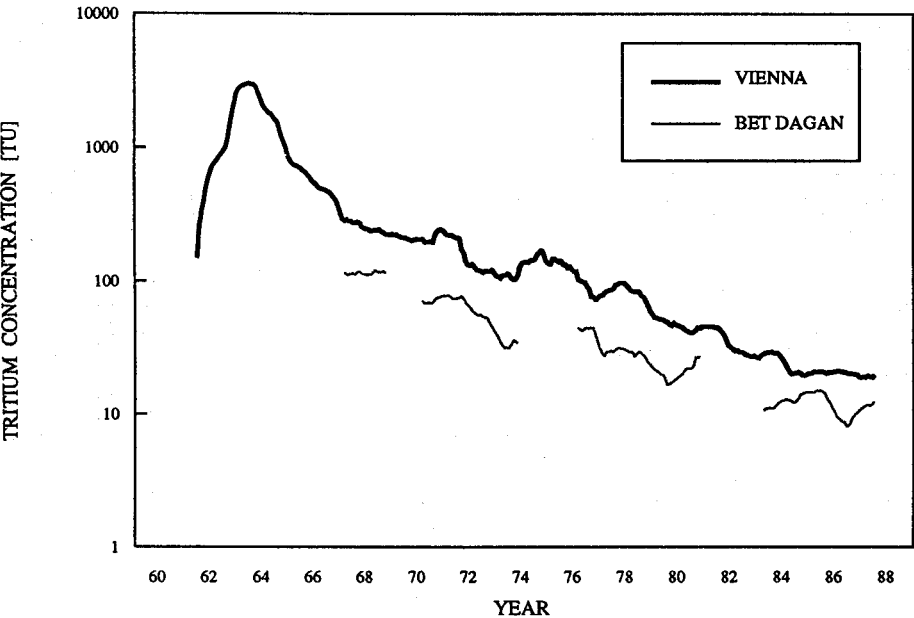
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	166	0.83	0.03	0.00	0.05	0.861	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	26	0.81	0.04	-0.11	0.07	0.955	0.11
3) Monthly Deut vs. Monthly Precipitation	131	-0.07	0.01	-11.02	1.39	0.210	11.24
4) Monthly Oxyg-18 vs. Monthly Prec	175	-0.01	0.00	-3.21	0.17	0.243	1.62
5) Monthly Deut vs. Monthly Temperature	98	1.83	0.34	-46.11	6.40	0.232	11.76
6) Monthly Oxyg-18 vs. Monthly Temp	113	0.29	0.05	-8.87	0.91	0.273	1.69
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	131	5.48	0.32	6.87	2.09	0.695	6.49
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	131	6.58	0.32	10.74	1.58	0.695	6.49

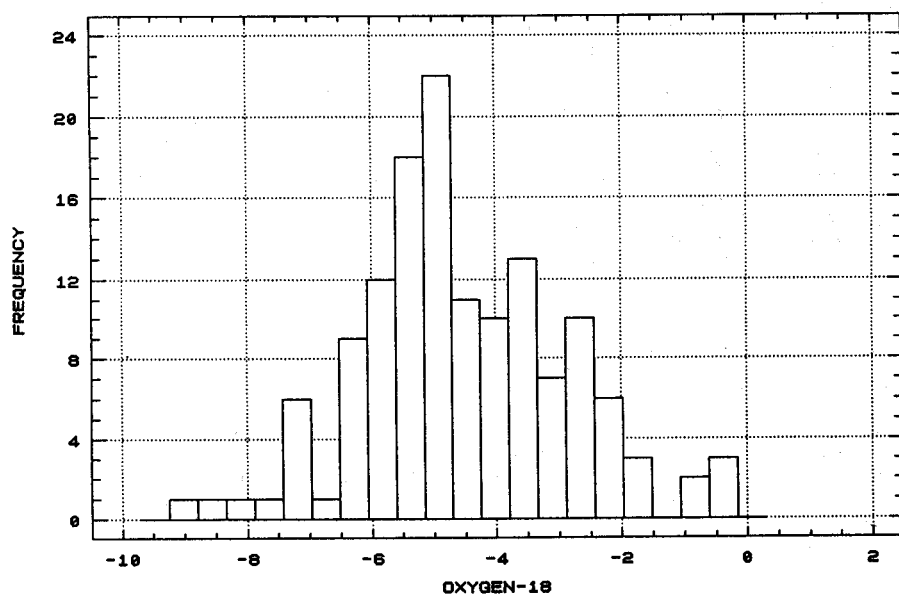
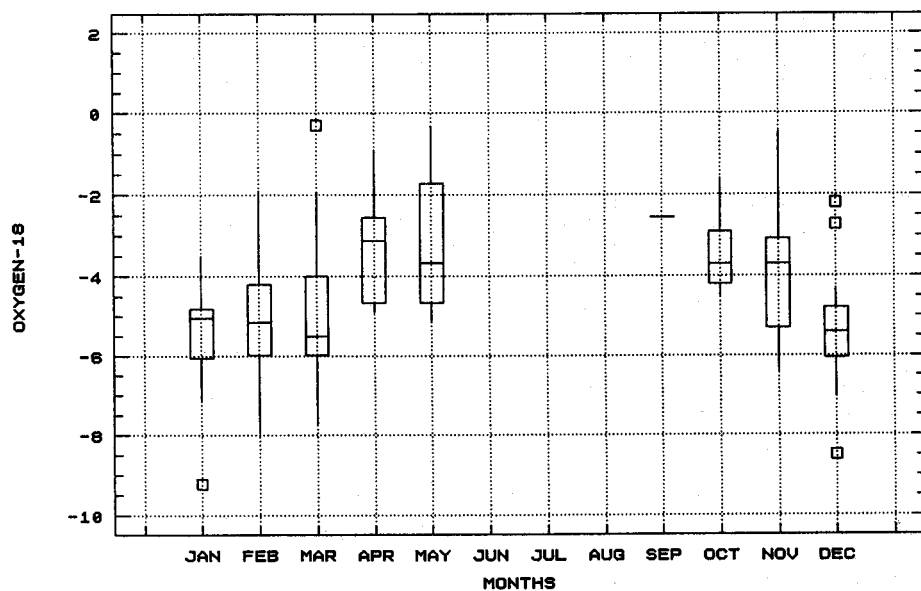
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
60 / 12	0.10	6.0		
72 / 5	3.78			
72 / 9	3.30	24.4		
72 / 10	-1.96	9.0		
73 / 2	-2.61	12.0		
73 / 10	-4.50	2.5		

4017900 BET DAGAN, ISRAEL

Lat. 32.00N Long. 34.82E Alt. 30 m a.s.l.





4042700 BAHRAIN, BAHRAIN

Lat. 26.27N Long. 50.62E Alt. 2 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	113 (12)	205.0	205.0 (3.5/1)	-0.55	-0.55 (7.0/2)	13.7	13.7 (7.0/2)	18.1	18.1 (7.0/2)	26.1	23.9 (12) (12)
1962	15 (12)	372.9	555.0 (93.3/2)	2.84	2.04 (100.0/3)	22.3	18.9 (100.0/3)	-0.5	2.6 (100.0/3)	27.3	24.3 (12) (12)
1963	35 (12)	971.3	821.7 (22.8/3)	-1.11	1.15 (100.0/6)	8.6	16.8 (100.0/6)	17.4	7.6 (100.0/6)	26.8	24.1 (12) (12)
1964	113 (12)	370.4	442.0 (99.1/3)	-3.43	-1.78 (100.0/4)	-14.3	-3.6 (100.0/4)	13.2	10.7 (100.0/4)	25.9	22.8 (12) (12)
1965	25 (12)	172.2	210.0 (100.0/2)	-0.67	0.20 (100.0/2)	9.4	12.2 (100.0/2)	14.7	10.6 (100.0/2)	26.9	23.9 (12) (12)
1966	36 (12)			0.20	0.40 (97.2/2)	13.3	18.2 (100.0/3)	11.3	10.8 (97.2/2)	27.2	24.1 (12) (12)
1967	28 (12)			3.32	3.23 (89.2/5)	26.0	24.7 (100.0/6)	0.3	0.1 (89.2/5)	25.9	22.7 (12) (12)
1968	74 (12)	62.4	81.3 (95.9/4)	-0.94	0.55 (28.3/4)	2.9	9.4 (28.3/4)	10.4	5.0 (28.3/4)	26.3	23.1 (12) (12)
1969	166 (12)	42.2	53.3 (89.1/4)	-2.29	-0.88 (46.3/4)	-1.1	9.0 (100.0/6)	15.8	12.9 (46.3/4)	26.5	23.9 (12) (12)
1970	9 (12)	97.7	97.7 (22.2/2)	1.46	2.05 (100.0/3)	21.5	24.5 (100.0/3)	9.8	8.1 (100.0/3)	26.6	23.0 (12) (12)
1971	45 (12)	106.0	90.5 (91.1/4)	1.14	2.29 (35.5/4)	10.8	17.5 (37.7/5)	0.6	-3.7 (35.5/4)	26.2	22.4 (12) (12)
1972	85 (12)	34.4	41.4 (95.2/5)	0.23	0.11 (100.0/6)	19.4	19.4 (7.0/1)	7.1	7.1 (7.0/1)	26.1	23.4 (12) (12)
1973	13 (12)	32.1	32.1 (92.3/2)	0.70	0.70 (46.1/1)	19.6	19.6 (46.1/1)	14.0	14.0 (46.1/1)	26.3	22.7 (12) (12)
1974	146 (12)	24.3	32.8 (96.5/4)	-1.95	0.71 (100.0/5)	4.8	15.4 (100.0/5)	20.4	9.8 (100.0/5)	26.4	23.4 (12) (12)
1975	42 (12)	33.8	32.6 (38.0/2)	1.19	2.38 (97.6/4)	19.1	24.0 (97.6/4)	9.7	5.0 (97.6/4)	26.4	23.5 (12) (12)
1976	233 (12)	17.3	16.9 (100.0/5)	-1.37	-1.27 (100.0/5)	1.8	1.0 (100.0/5)	12.7	11.2 (100.0/5)	26.2	23.5 (12) (12)
1977	83 (12)	20.6	36.7 (98.7/5)	-0.63	-0.03 (100.0/6)	10.9	10.2 (100.0/6)	15.9	10.4 (100.0/6)	26.7	23.9 (12) (12)
1978	19 (12)	28.8	24.7 (57.8/3)	0.89	0.62 (42.1/2)	15.5	16.8 (42.1/2)	8.4	11.9 (42.1/2)	26.7	23.4 (12) (12)
1979	22 (12)	6.1	6.2 (59.0/2)	-1.06	-0.88 (36.3/2)	-1.8	-4.1 (36.3/2)	6.7	3.0 (36.3/2)	27.5	25.2 (12) (12)
1980	93 (12)	5.3	6.7 (97.8/3)	0.21	0.84 (100.0/4)	13.2	17.5 (100.0/4)	11.6	10.9 (100.0/4)	26.9	24.2 (12) (12)
1981	25 (9)	6.5	6.5 (28.6/1)	5.90	4.47 (37.7/3)	32.1	30.3 (37.7/3)	-15.2	-5.5 (37.7/3)		
1982	134 (9)	8.1	7.2 (100.0/4)	-1.90	-1.69 (19.7/3)	2.7	5.1 (31.8/5)	11.0	12.7 (19.7/3)		
1983	80 (9)	6.9	6.9 (84.5/1)	-1.68	-1.02 (100.0/4)	4.8	3.3 (100.0/4)	18.2	11.4 (100.0/4)		
1984	50 (12)	8.0	8.0 (60.0/1)	-2.47	-2.35 (40.0/2)	-20.8	-19.3 (40.0/2)	-1.1	-0.6 (40.0/2)	26.2	22.3 (12) (12)
1985	48 (12)			-0.59	-0.59 (20.8/1)	14.1	14.1 (20.8/1)	18.9	18.9 (20.8/1)	26.3	23.9 (12) (12)
1986	44 (12)	6.3	6.3 (18.1/1)	1.77	1.77 (18.1/1)	23.1	23.1 (18.1/1)	9.0	9.0 (18.1/1)	26.5	23.9 (12) (12)

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1987	26 (12)	5.6	5.6 (92.3/1)	-0.45	-0.45 (92.3/1)	11.2	11.2 (92.3/1)	14.8	14.8 (92.3/1)	27.0 (12)	22.8 (12)
Long Term Means 66											
				-0.97	0.57	4.6	13.6	14.1	8.9	26.5	23.5
σ				1.99	1.42	11.8	8.5	6.4	3.9	0.4	0.6

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	14	27	0.41	2.95	15	13.9	16.8	16	10.4	11.7	14	17.3	1.3	27	14.9	1.4	27
Feb	14	27	0.20	2.03	16	6.4	17.4	15	4.1	6.5	15	18.0	1.7	27	15.3	1.4	27
Mar	14	27	2.06	2.94	16	20.6	16.4	16	2.6	11.8	15	21.0	1.2	27	16.6	1.3	27
Apr	11	26	0.70	2.49	13	11.6	14.2	13	6.4	7.0	12	25.2	1.1	26	19.8	1.2	26
May	1	26	0.86	1.53	2	16.3	6.3	3	8.2	2.9	2	30.0	0.7	26	24.5	1.2	26
Jun	0	26										32.6	0.8	26	28.0	1.7	26
Jul	0	26										34.0	0.5	26	31.7	1.6	26
Aug	0	26										34.1	0.7	26	33.7	2.3	26
Sep	0	26										32.5	0.7	26	32.0	1.5	26
Oct	0	26	-0.03	0.88	4	9.4	7.2	4	9.7	2.7	4	29.2	1.0	26	27.3	1.7	26
Nov	2	26	-0.74	1.55	8	11.8	11.0	8	16.1	6.7	7	24.5	0.8	26	21.4	1.2	26
Dec	11	26	0.01	2.45	15	11.3	13.9	16	10.2	9.2	15	19.3	1.3	26	16.6	1.4	26

CORRELATIONS

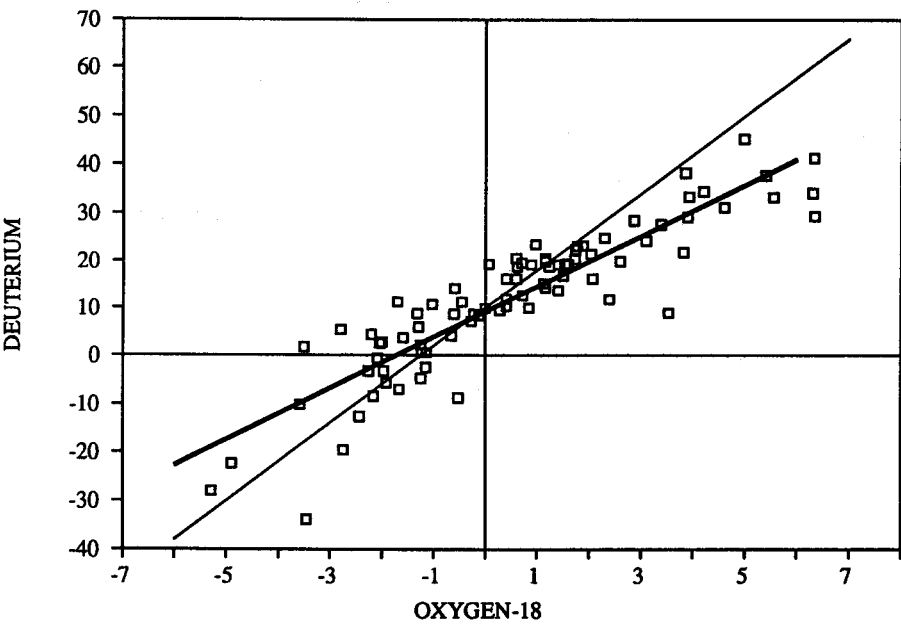
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	61	1.03	0.06	-0.56	0.13	0.826	0.25
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	15	1.04	0.07	-0.72	0.15	0.950	0.14
3) Monthly Deut vs. Monthly Precipitation	91	-0.26	0.07	16.45	1.82	0.124	14.25
4) Monthly Oxyg-18 vs. Monthly Prec	89	-0.05	0.01	1.31	0.30	0.177	2.28
5) Monthly Deut vs. Monthly Temperature	88	0.39	0.43	4.97	9.15	0.010	15.18
6) Monthly Oxyg-18 vs. Monthly Temp	86	0.07	0.07	-0.76	1.54	0.010	2.51
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	84	5.32	0.29	9.21	0.75	0.806	6.73
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	84	5.93	0.28	8.86	1.05	0.806	6.73

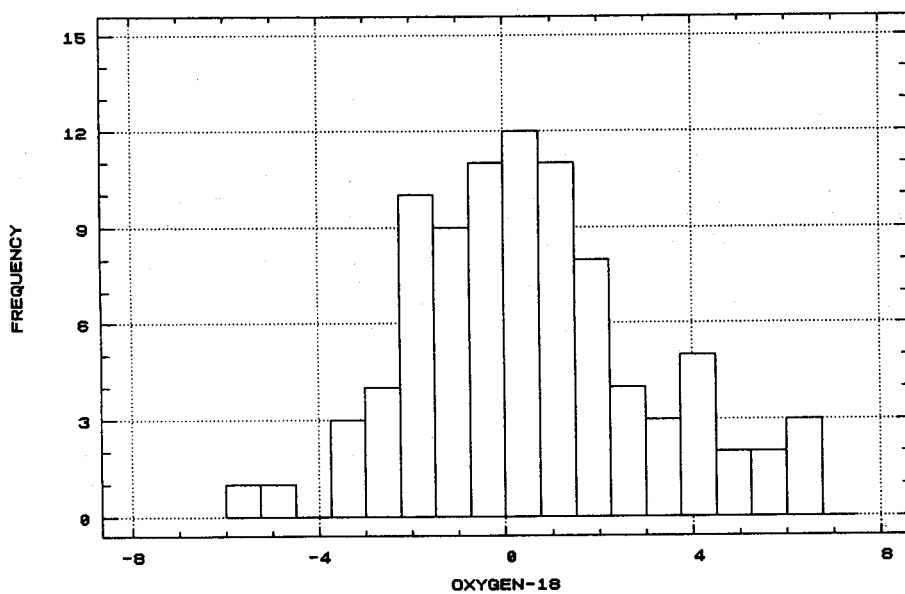
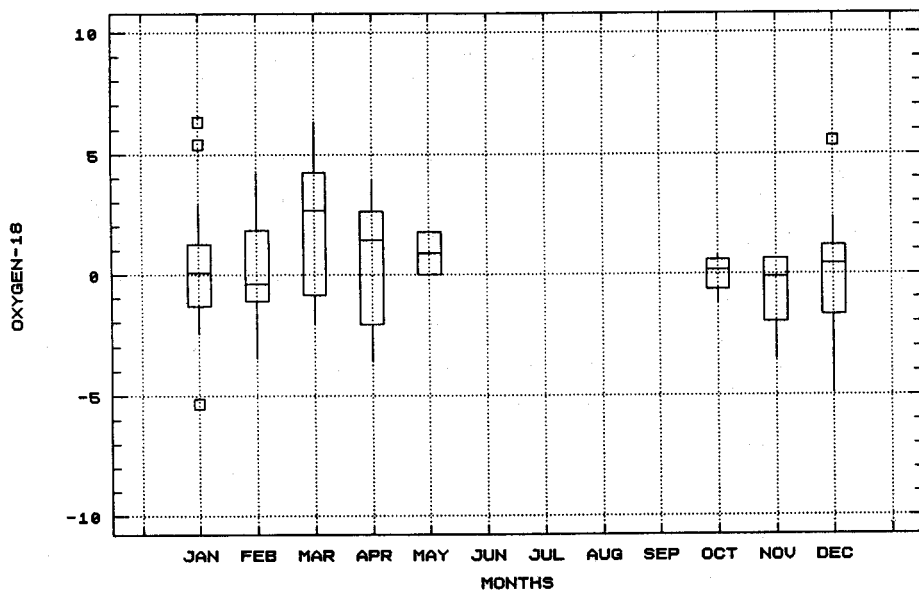
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
78 / 3	8.53	40.8		

4042700 BAHRAIN, BAHRAIN

Lat. 26.27N Long. 50.62E Alt. 2 m a.s.l.





4075400 TEHERAN, ISLAMIC REPUBLIC OF IRAN

Lat. 35.68N Long. 51.32E Alt. 1200 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	148 (12)									17.2 (12)	6.0 (12)
1961	140 (12)	173.0 (51.4/3)	193.9	-3.19 (70.7/7)	-1.35	-8.0 (70.7/7)	0.2	17.6 (70.7/7)	10.9	17.0 (12)	6.2 (12)
1962	305 (12)	1307.4 (92.4/7)	962.3	-5.17 (54.0/7)	-4.53	-27.6 (54.0/7)	-24.9	13.8 (54.0/7)	11.4	16.9 (12)	6.1 (12)
1963	194 (12)	2994.6 (90.2/10)	3180.4	-4.69 (100.0/11)	-3.63	-23.8 (100.0/11)	-18.2	13.7 (100.0/11)	10.9	17.4 (12)	6.6 (12)
1964	98 (12)	1326.8 (100.0/6)	1518.2	-9.06 (100.0/6)	-6.60	-62.9 (100.0/6)	-45.9	9.7 (100.0/6)	7.0	16.1 (12)	5.7 (12)
1965	229 (12)	502.7 (100.0/11)	568.0	-6.17 (89.5/9)	-0.01	-39.2 (89.5/9)	0.5	10.3 (89.5/9)	0.5	17.0 (12)	6.6 (12)
1966	161 (12)	313.3 (99.3/9)	342.7	-1.18 (74.5/8)	-0.53	-2.9 (74.5/8)	2.4	6.6 (74.5/8)	6.6	17.5 (12)	6.8 (12)
1967	107 (12)	322.4 (100.0/8)	297.5	-3.64 (100.0/8)	-3.53	-23.3 (100.0/8)	-22.3	5.9 (100.0/8)	6.0	16.4 (12)	6.6 (12)
1968	210 (12)	217.7 (100.0/9)	233.1	-4.00 (100.0/9)	-3.83	-22.1 (100.0/9)	-20.2	9.9 (100.0/9)	10.5	16.8 (12)	6.9 (12)
1969	389 (12)	126.1 (99.4/10)	147.5	-7.84 (99.4/10)	-6.27	-40.0 (73.2/9)	-38.0	12.2 (73.2/9)	7.6	15.9 (12)	7.1 (12)
1970	176 (12)	135.1 (100.0/7)	130.2	-4.79 (97.1/6)	-4.48					18.0 (12)	6.4 (12)
1971	174 (12)	127.4 (98.8/8)	133.0	-6.76 (98.8/8)	-6.72					17.3 (12)	6.3 (12)
1972	357 (12)	70.0 (99.1/9)	78.4	-6.38 (66.1/7)	-6.72					15.4 (12)	6.6 (12)
1973	138 (12)	60.2 (99.2/6)	62.4	-8.19 (53.6/5)	-7.72	-53.3 (99.2/6)	-49.8	13.7 (53.6/5)	13.0	16.8 (12)	5.6 (12)
1974	207 (12)	97.9 (89.8/8)	122.1	-7.59 (89.8/8)	-5.19	-48.3 (89.8/8)	-32.2	12.5 (89.8/8)	9.4	16.5 (12)	
1975	259 (12)	58.6 (100.0/8)	56.0	-9.49 (100.0/8)	-8.69	-58.4 (100.0/8)	-51.4	17.6 (100.0/8)	18.2	14.3 (12)	
1976	223 (12)	35.2 (70.4/5)	35.2	-6.69 (70.4/5)	-6.34	-38.1 (70.4/5)	-35.7	15.5 (70.4/5)	15.1	16.1 (12)	7.2 (12)
1979	245 (12)	42.9 (84.8/7)	45.0	-4.15 (84.8/7)	-2.87	-19.6 (84.8/7)	-10.4	13.6 (84.8/7)	12.6	17.5 (12)	10.0 (12)
1980	234 (12)	29.7 (100.0/8)	28.1	-8.93 (100.0/8)	-6.71	-60.7 (100.0/8)	-44.2	10.8 (100.0/8)	9.6	17.7 (12)	6.8 (12)
1981	227 (12)	50.0 (67.4/7)	53.4	-6.64 (67.4/7)	-6.61	-40.2 (67.4/7)	-41.5	13.0 (67.4/7)	11.5	17.7 (12)	7.4 (12)
1985		19.3 (61.9/4)	18.9	-9.17 (86.5/6)	-9.23	-65.5 (71.4/5)	-65.5	8.1 (71.4/5)	8.6		
1986		16.7 (93.9/7)	15.7	-6.00 (93.9/7)	-5.27	-43.8 (93.9/7)	-39.2	4.3 (93.9/7)	3.0		
1987		15.6 (32.2/2)	15.5	-2.66 (32.2/2)	-2.68	-21.3 (32.2/2)	-21.4	0.1 (32.2/2)	0.1		
Long Term Means 211				-6.76	-5.22	-41.4	-30.3	11.3	8.8	16.8	6.7
σ				2.12	2.42	16.8	17.3	3.9	4.9	0.8	0.9

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	35	20	-7.88	3.01	19	-49.9	25.0	15	12.5	7.4	15	3.0	3.1	20	5.9	4.5	19
Feb	34	20	-6.44	2.94	20	-42.2	24.6	19	11.4	9.4	18	5.3	2.5	20	5.6	3.7	19
Mar	34	20	-4.87	3.71	21	-26.7	25.2	18	10.4	9.8	18	10.2	1.9	20	5.5	1.0	19
Apr	32	20	-3.27	3.69	19	-12.2	27.7	15	9.5	7.7	15	15.8	1.6	20	6.5	0.8	19
May	15	20	-2.34	6.05	15	-6.3	37.4	12	2.3	12.8	12	21.8	1.7	20	7.3	1.2	19
Jun	3	20	-2.68	5.46	8	-7.1	31.2	7	5.1	8.4	7	25.6	5.7	20	7.5	1.0	19
Jul	1	20	-0.92	6.27	5	-4.1	39.2	5	3.2	11.7	5	29.9	1.0	20	8.9	1.2	18
Aug	1	20	0.31	7.08	3	9.0	39.0	2	-11.4	31.0	2	28.6	1.3	20	7.9	1.2	18
Sep	1	20	-2.67	4.47	4	-17.9	26.8	4	3.4	16.2	4	24.8	0.8	20	6.9	0.9	18
Oct	7	20	-2.98	3.82	10	-14.2	23.6	9	8.5	12.6	9	18.7	1.2	20	6.9	1.5	18
Nov	20	20	-4.52	3.90	17	-24.8	28.0	15	9.7	7.3	15	11.3	1.2	20	5.8	1.4	18
Dec	28	20	-8.66	3.79	18	-57.5	29.9	16	14.9	6.3	16	5.6	2.2	20	5.3	0.8	19

CORRELATIONS

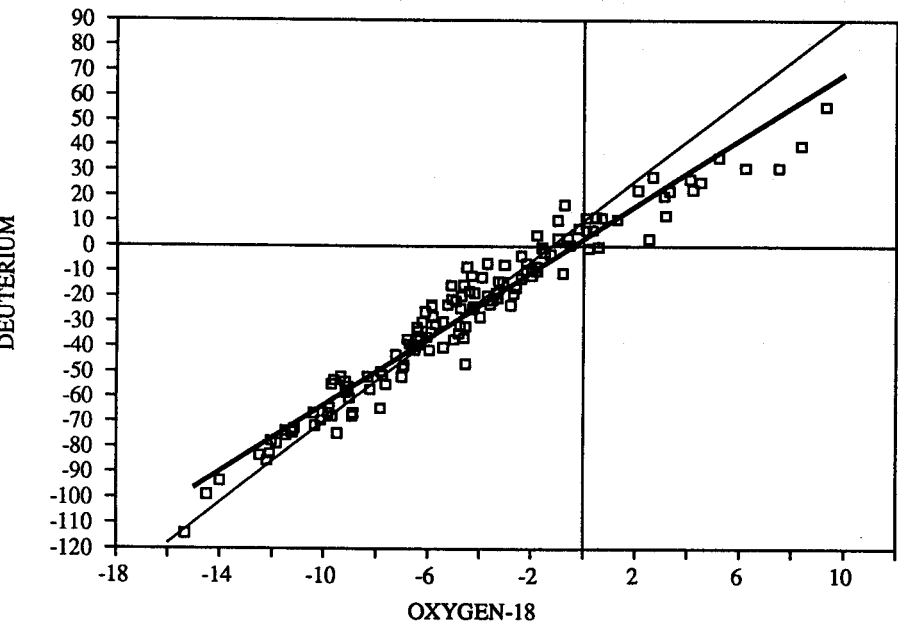
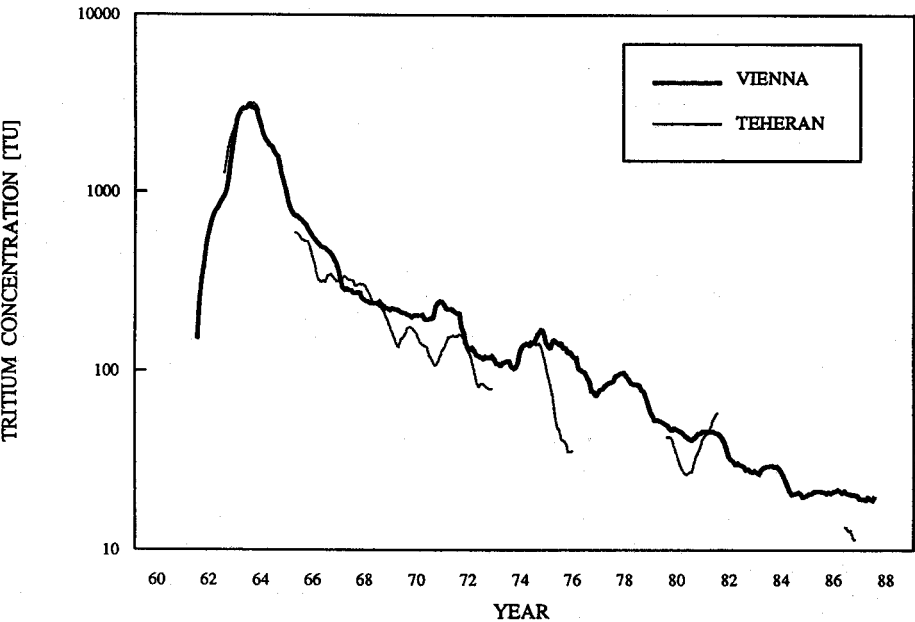
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	154	0.96	0.03	-0.00	0.08	0.839	0.25
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	17	1.06	0.06	-0.31	0.15	0.954	0.14
3) Monthly Deut vs. Monthly Precipitation	137	-0.60	0.13	-13.69	3.97	0.143	30.32
4) Monthly Oxyg-18 vs. Monthly Prec	159	-0.08	0.02	-2.95	0.52	0.135	4.29
5) Monthly Deut vs. Monthly Temperature	123	2.13	0.29	-53.51	4.52	0.303	27.00
6) Monthly Oxyg-18 vs. Monthly Temp	144	0.28	0.04	-8.34	0.59	0.271	3.88
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	136	6.60	0.14	2.74	0.91	0.945	7.67
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	136	6.79	0.14	3.61	1.12	0.945	7.67

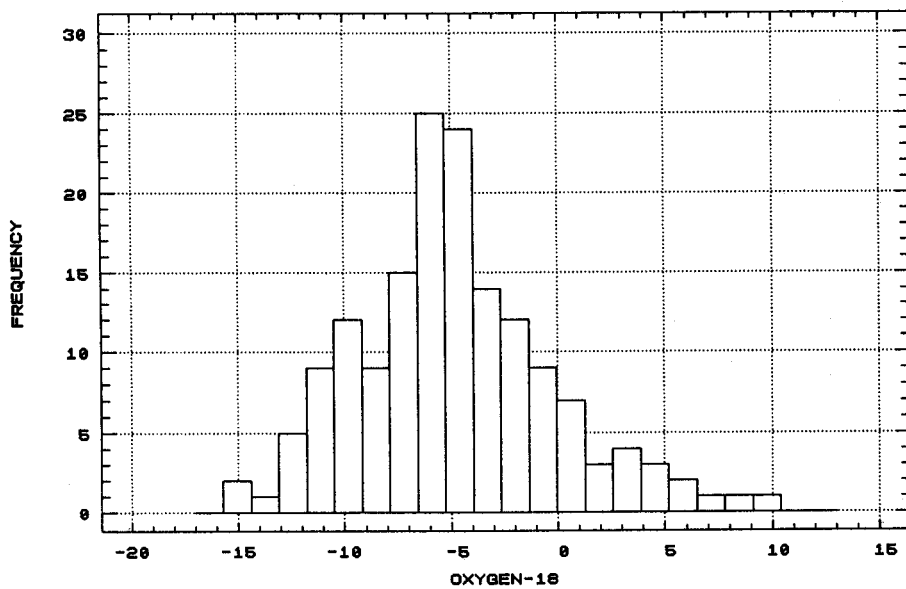
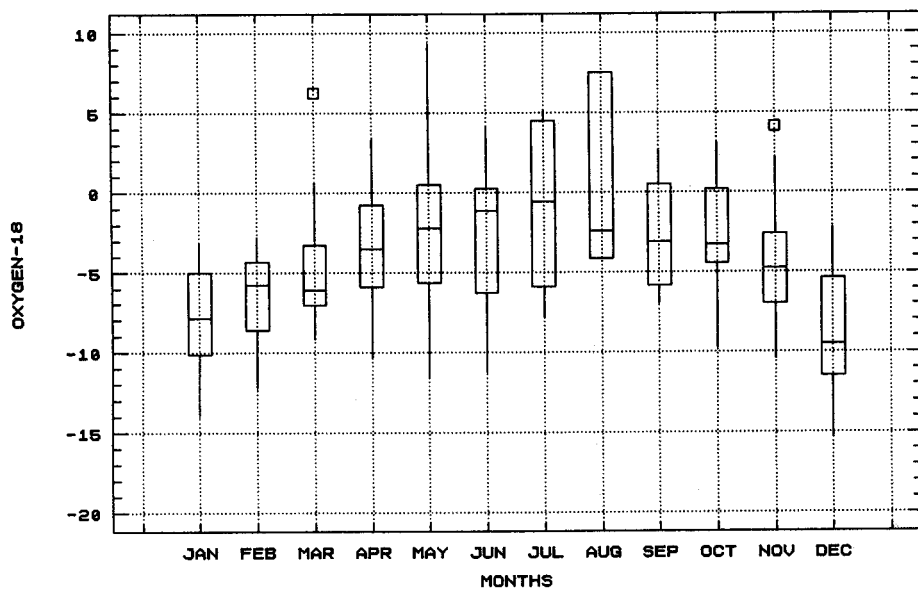
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
65 / 11	8.00	29.2		
65 / 12	-12.10	-137.3		
66 / 3	-1.30	18.9		

4075400 TEHERAN, ISLAMIC REPUBLIC OF IRAN

Lat. 35.68N Long. 51.32E Alt. 1200 m a.s.l.





4094900 KABUL (KARIZIMIR), AFGHANISTAN

Lat. 34.67N Long. 69.08E Alt. 1860 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	227 (12)	993.0 (3.5/2)	1003.0	-13.85 (3.5/2)	-12.70	-87.2 (3.5/2)	-75.9	23.7 (3.5/2)	25.8	9.7 (12)	6.3 (12)
1963	379 (12)	3528.7 (77.8/3)	3607.7	-5.70 (51.9/2)	-5.60	-17.1 (51.9/2)	-13.4	28.6 (51.9/2)	31.5	11.1 (12)	7.4 (12)
1964	460 (12)	3401.7 (38.4/2)	3375.0	-6.30 (55.0/4)	-4.68	-32.0 (53.0/3)	-15.1	18.2 (53.0/3)	16.1	9.5 (12)	7.4 (12)
1965	550 (12)									10.3 (12)	6.6 (12)
1966	394 (12)									10.9 (12)	7.0 (12)
1967	503 (12)	420.3 (71.5/9)	402.5	-7.14 (64.4/7)	-5.56	-33.9 (64.4/7)	-27.2	23.3 (64.4/7)	17.3	10.1 (12)	7.5 (12)
1968	413 (12)	307.3 (44.3/6)	234.9	-7.22 (7.0/3)	-7.49	-26.9 (3.3/1)	-26.9	28.3 (3.3/1)	28.3	10.0 (12)	7.0 (12)
1969	351 (12)	172.3 (100.0/10)	199.4	-6.60 (100.0/10)	-6.74	-28.4 (97.7/9)	-31.4	23.8 (97.7/9)	19.5	10.9 (12)	7.4 (12)
1970	256 (12)	178.0 (73.8/7)	198.2	-6.02 (61.3/6)	-4.01	-38.8 (42.1/5)	-19.9	17.1 (42.1/5)	12.4	11.7 (12)	6.7 (12)
1971	278 (12)	182.3 (99.2/7)	197.4	-7.51 (97.4/6)	-5.71					11.9 (12)	6.0 (12)
1972	620 (12)	125.7 (100.0/12)	131.1	-8.27 (83.8/10)	-6.13					9.5 (12)	6.6 (12)
1973	353 (12)	95.2 (98.5/8)	91.5	-1.94 (11.0/4)	-5.32	-6.1 (11.0/4)	-31.7	9.5 (11.0/4)	11.0	11.1 (12)	7.2 (12)
1974	299 (12)	85.3 (99.3/6)	91.3	-7.73 (99.3/6)	-7.40	-44.6 (99.3/6)	-42.6	17.3 (99.3/6)	16.6	10.5 (12)	6.1 (12)
1975	302 (12)	156.6 (32.4/2)	131.2	-12.06 (32.4/2)	-13.01	-80.6 (32.4/2)	-86.6	15.9 (32.4/2)	17.5	10.0 (12)	6.3 (12)
1976	288 (12)									11.0 (12)	7.0 (12)
1977	276 (12)									11.5 (12)	6.8 (12)
1978	285 (12)									11.6 (12)	7.3 (12)
1979	198 (12)									13.0 (12)	
1980	349 (12)									12.6 (12)	7.5 (12)
1981	342 (12)									11.2 (12)	7.0 (12)
1982	274 (12)	28.6 (64.9/3)	32.4	-11.13 (64.9/3)	-9.04	-72.1 (64.9/3)	-55.8	16.9 (64.9/3)	16.5	12.2 (12)	9.0 (12)
1983	250 (12)	22.5 (40.3/3)	25.7	-3.19 (59.1/4)	-3.02	22.2 (22.0/2)	24.2	8.4 (22.0/2)	8.1	12.7 (12)	7.4 (12)
1984	215 (12)	20.7 (93.0/7)	24.2	-6.89 (93.0/7)	-6.74	-42.7 (93.0/7)	-40.2	12.4 (93.0/7)	13.8	13.9 (12)	8.9 (12)
1985	150 (12)	19.5 (100.0/6)	20.3	-5.06 (75.3/4)	-4.09	-32.7 (75.3/4)	-24.6	7.8 (75.3/4)	8.2	13.9 (12)	7.1 (12)
1986	253 (12)	17.9 (99.6/8)	20.8	-7.23 (96.8/7)	-5.99	-42.8 (96.8/7)	-33.7	15.0 (96.8/7)	14.3	13.2 (12)	7.4 (12)
1987	227 (12)	13.4 (97.3/6)	12.9	-5.36 (97.3/6)	-5.24	-24.8 (97.3/6)	-26.8	18.2 (97.3/6)	15.2	14.5 (12)	7.2 (12)
Long Term											
Means 327											
σ											
				-7.15	-6.01	-36.1	-33.2	17.2	14.6	11.5	7.1
				1.18	1.02	8.5	7.1	5.6	3.7	1.4	0.6

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	40	26	-12.00	3.55	9	-76.0	39.7	7	20.9	8.8	7	-2.3	2.5	26	3.3	0.6	26
Feb	58	26	-11.34	3.03	10	-72.6	27.4	8	19.2	7.4	8	-0.6	3.0	26	3.9	0.9	26
Mar	79	26	-7.01	3.76	13	-34.7	33.7	10	18.7	8.9	10	5.5	3.4	26	6.0	0.9	26
Apr	69	26	-3.03	2.08	12	-9.3	15.8	9	15.8	8.2	9	12.3	1.8	26	8.3	0.7	26
May	27	26	-1.55	3.40	14	1.2	23.8	13	11.4	5.0	13	16.6	1.8	26	9.1	1.2	26
Jun	3	26	-1.12	5.14	4	29.0	1.6	2	17.4	0.4	2	21.5	1.7	26	9.5	1.1	26
Jul	4	26	-0.90	5.42	6	3.4	40.7	4	1.4	12.8	4	23.8	1.7	26	10.9	1.9	26
Aug	1	26	-6.93		1							22.8	2.9	26	10.9	2.3	26
Sep	2	26	-1.89	8.77	2	29.5		1	4.9		1	18.4	2.7	26	8.3	1.7	26
Oct	5	26	-4.90	2.72	4	-24.6	19.5	3	13.8	14.4	3	12.3	2.1	26	6.4	1.9	25
Nov	13	26	-8.25	4.11	8	-59.4	20.0	6	19.3	2.0	6	6.1	1.9	26	4.6	1.1	25
Dec	24	26	-9.41	3.56	10	-59.3	32.1	7	18.8	4.3	7	0.8	1.6	26	3.7	0.7	25

CORRELATIONS

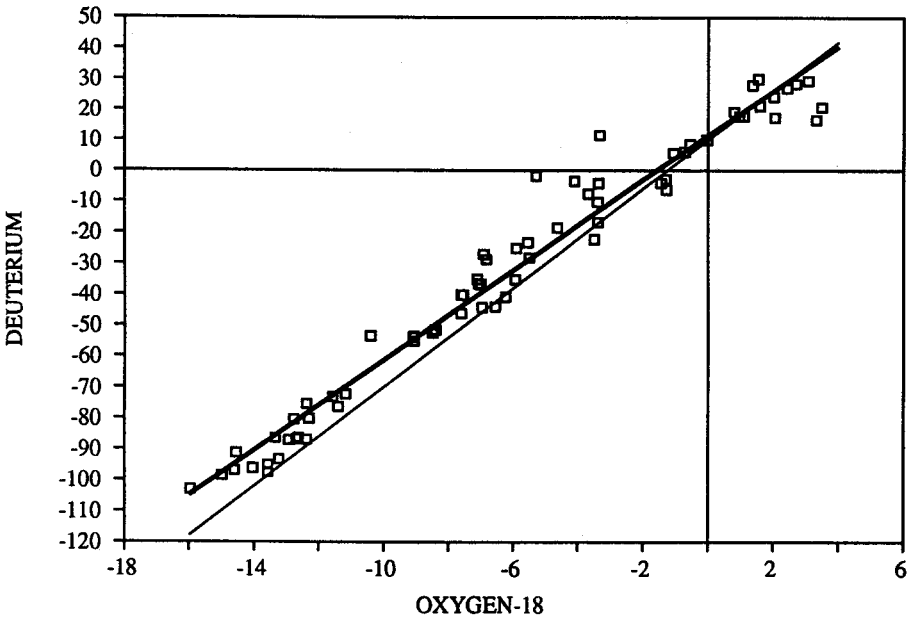
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	102	1.00	0.03	-0.00	0.06	0.931	0.16
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	1.04	0.04	-0.18	0.09	0.990	0.08
3) Monthly Deut vs. Monthly Precipitation	70	-0.12	0.13	-27.95	7.17	0.011	41.54
4) Monthly Oxyg-18 vs. Monthly Prec	93	-0.03	0.01	-5.10	0.78	0.036	5.16
5) Monthly Deut vs. Monthly Temperature	70	3.76	0.40	-65.20	4.84	0.559	27.75
6) Monthly Oxyg-18 vs. Monthly Temp	93	0.47	0.04	-10.26	0.53	0.562	3.48
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	70	7.28	0.16	11.56	1.33	0.967	7.55
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	70	7.41	0.16	12.29	1.59	0.967	7.55

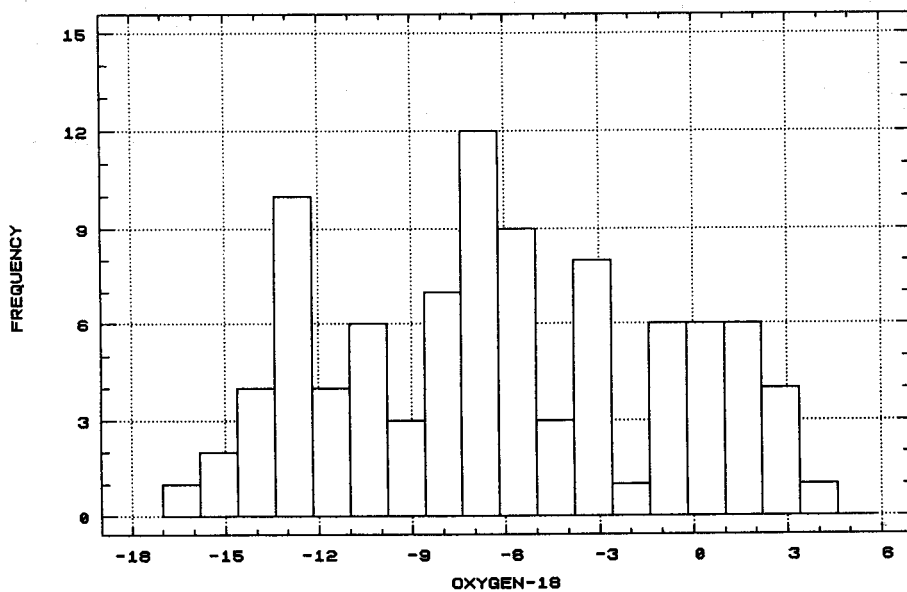
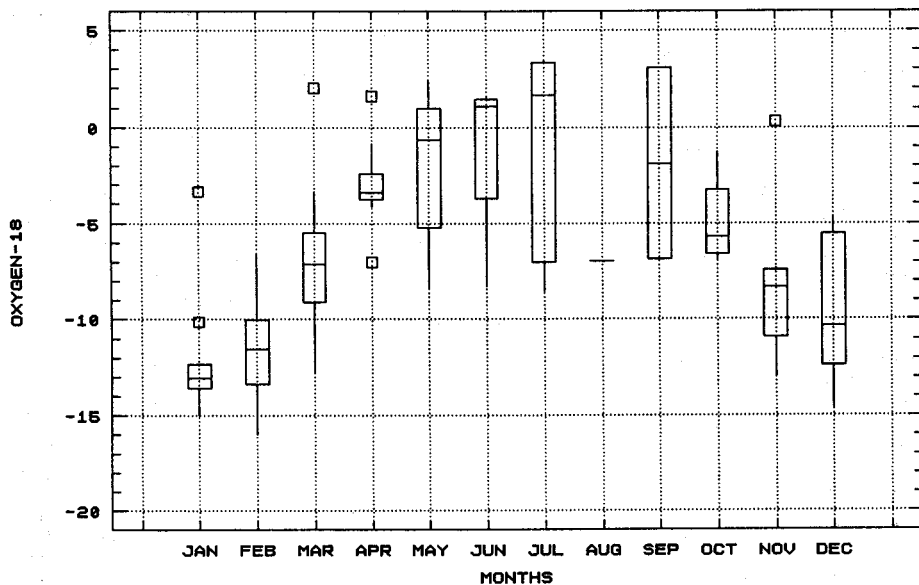
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
71 / 5	8.08			

4094900 KABL (KARIZIMIR), AFGHANISTAN

Lat. 34.67N Long. 69.08E Alt. 1860 m a.s.l.





4178000 KARACHI, PAKISTAN

Lat. 24.90N Long. 67.13E Alt. 23 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1961	462 (12)	85.9 (77.0/3)	2930.4	-5.44 (98.2/3)	-5.77	-38.0 (98.2/3)	-41.3	5.6 (98.2/3)	4.9	25.9 (12)	
1962	322 (12)	595.2 (57.4/3)	598.4	-2.98 (57.4/3)	-3.00	-22.2 (57.4/3)	-22.1	1.7 (57.4/3)	1.9	25.9 (12)	
1963	44 (12)	438.0 (68.1/1)	438.0	-6.31 (100.0/4)	-2.00	-43.1 (100.0/4)	-11.3	7.5 (100.0/4)	4.7	26.4 (12)	24.7
1964	140 (12)	453.4 (90.0/2)	417.5	-5.34 (100.0/7)	-4.85	-37.0 (99.2/6)	-34.0	5.6 (99.2/6)	0.6	25.8 (12)	23.9
1965	130 (12)	291.0 (83.0/1)	291.0	-4.13 (100.0/3)	-0.81	-25.2 (100.0/3)	-3.4	7.9 (100.0/3)	3.1		
1966	70 (12)	168.0 (97.1/1)	168.0	-7.20 (97.1/1)	-7.20	-46.8 (97.1/1)	-46.8	10.8 (97.1/1)	10.8		
1967	713 (12)	94.5 (77.4/3)	94.3	-1.72 (83.4/4)	-1.84	-0.7 (86.1/6)	0.5	12.8 (83.4/4)	9.9	25.7 (12)	22.7
1968	29 (12)	72.8 (75.8/3)	67.7	-1.30 (55.1/3)	-1.35	-10.6 (55.1/3)	-12.0	-0.2 (55.1/3)	-1.2	25.6 (12)	22.3
1969	39 (12)	73.3 (97.4/1)	73.3			-50.4 (100.0/2)	-15.3			26.2 (12)	21.6
1970	474 (12)	51.5 (98.9/6)	49.4	-4.65 (100.0/7)	-3.31	-29.7 (100.0/7)	-19.5	7.5 (100.0/7)	7.0	24.3 (12)	21.8
1971	79 (12)	69.4 (82.2/3)	72.0	-1.64 (81.0/2)	-1.61					25.2 (12)	22.2
1972	44 (12)	46.6 (84.0/2)	45.0	-2.33 (100.0/4)	-0.96	-7.1 (9.0/1)	-7.1	0.1 (9.0/1)	0.1	25.9 (12)	21.4
1973	213 (12)	34.4 (100.0/3)	37.9	-3.72 (100.0/3)	-1.24	-18.0 (100.0/3)	-1.2	11.8 (100.0/3)	8.8	26.0 (12)	20.8
1974	9 (12)									25.8 (12)	20.3
1975	159 (12)	23.4 (59.1/2)	24.7	-2.66 (45.9/1)	-2.66	-11.6 (45.9/1)	-11.6	9.7 (45.9/1)	9.7	25.8 (12)	20.4
Long Term Means 195				-3.93	-2.96	-23.5	-19.2	9.0	6.2	25.7	22.0
σ				1.94	2.24	18.1	17.6	2.8	3.5	0.5	1.3

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	3	15	-5.15	6.46	2	-36.6	63.7	2	4.6	12.0	2	16.8	3.4	14	9.7	1.6	12
Feb	3	15	1.65	1.21	4	9.7	9.9	4	-4.5	3.1	3	19.7	2.3	15	12.4	2.8	13
Mar	15	15	-2.65	0.41	2	-7.3	4.7	2	13.9	1.4	2	23.9	2.6	15	17.2	2.8	13
Apr	2	15	1.87	4.11	3	17.6	21.7	3	2.7	11.7	3	28.1	1.1	15	23.4	2.6	13
May	0	15										30.2	0.5	15	29.5	2.6	13
Jun	3	15	-2.01	1.84	4	-16.1	6.4	3	-2.9	12.0	3	30.9	0.5	15	32.4	1.6	13
Jul	91	15	-3.83	2.21	11	-28.5	20.4	10	7.1	5.0	9	30.2	0.5	15	32.8	1.5	13
Aug	46	15	-3.59	2.15	10	-26.6	20.4	9	4.6	6.6	9	28.8	0.6	14	31.0	1.6	12
Sep	23	15	-7.17	1.14	3	-51.8	11.8	3	5.6	4.8	3	28.7	0.6	14	28.4	1.8	12
Oct	0	15										27.8	0.7	14	22.2	3.8	12
Nov	2	15	-9.20		1	-27.4	66.8	2	8.5		1	23.8	1.0	14	15.0	2.9	12
Dec	7	15	-1.10	4.35	5	12.1	13.0	5	7.2	7.0	4	19.6	1.1	14	10.9	1.6	12

CORRELATIONS

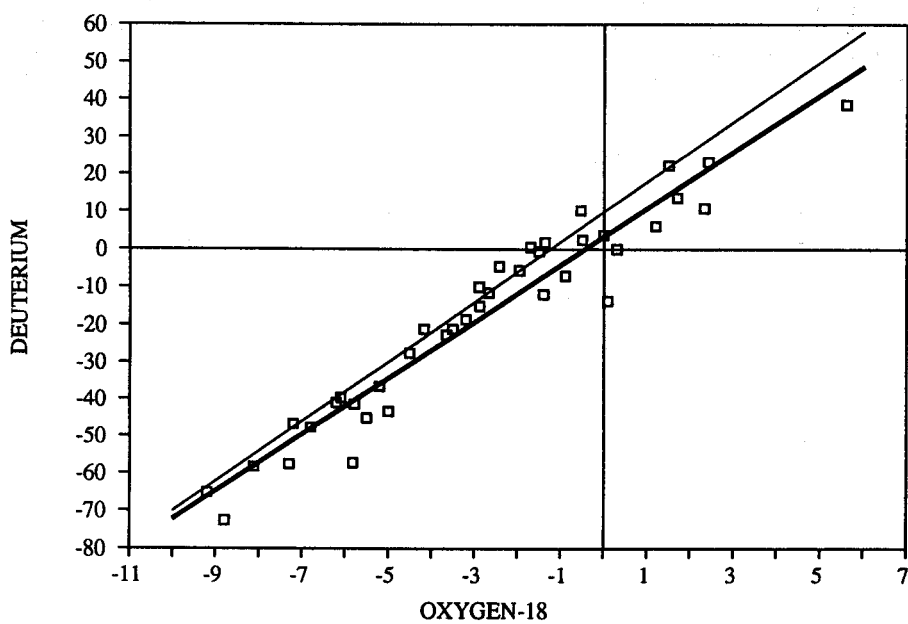
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	33	0.70	0.22	0.27	0.53	0.252	0.48
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	11	0.85	0.11	-0.12	0.26	0.877	0.13
3) Monthly Deut vs. Monthly Precipitation	43	-0.06	0.05	-13.55	5.17	0.026	27.59
4) Monthly Oxyg-18 vs. Monthly Prec	45	-0.01	0.01	-2.29	0.62	0.045	3.38
5) Monthly Deut vs. Monthly Temperature	42	-1.91	0.73	32.63	19.18	0.147	26.13
6) Monthly Oxyg-18 vs. Monthly Temp	44	-0.17	0.09	1.56	2.40	0.075	3.36
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	39	7.56	0.34	3.41	1.50	0.932	7.15
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	39	7.83	0.33	4.19	1.84	0.932	7.15

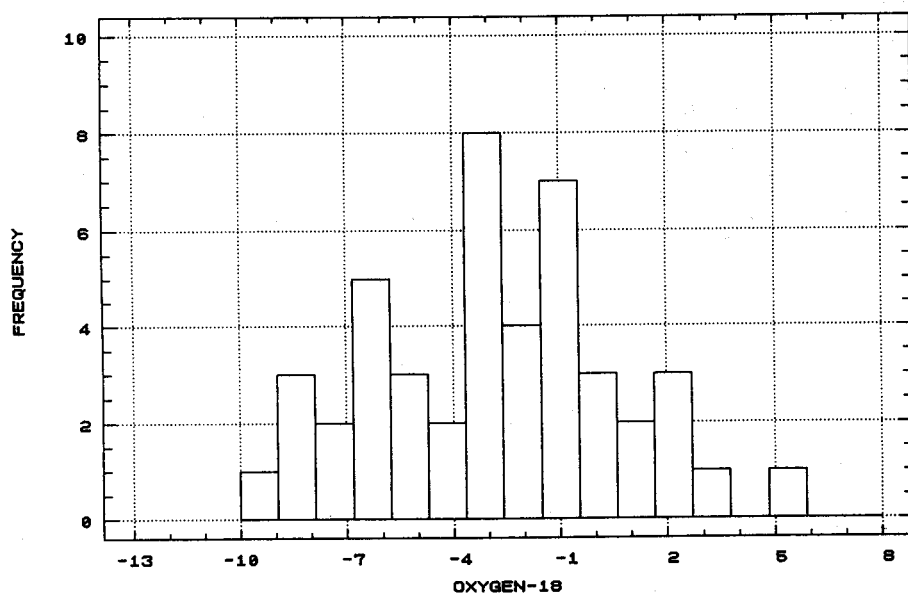
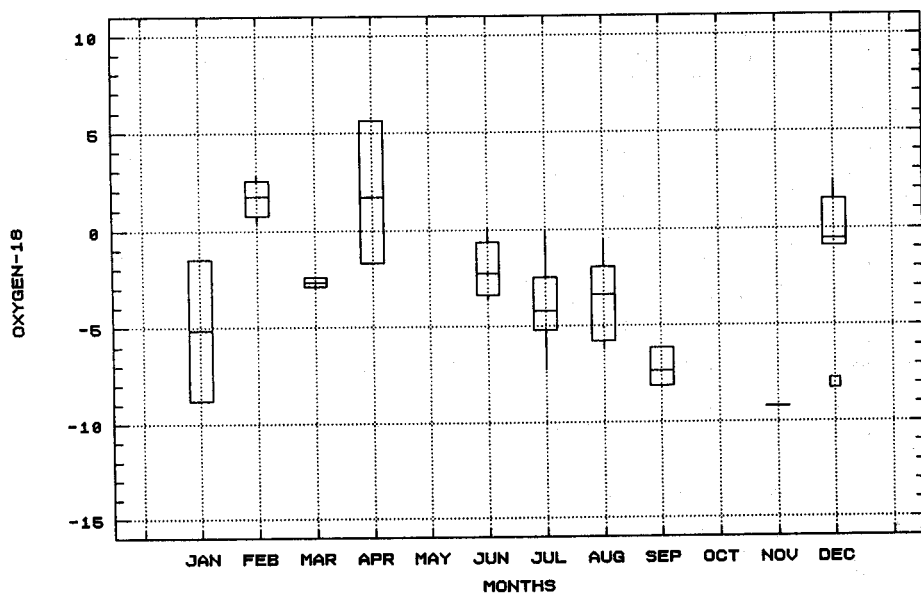
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
62 / 9	-12.70	-32.3		
68 / 1	-9.75	9.0		
71 / 12	7.66			

4178000 KARACHI, PAKISTAN

Lat. 24.90N Long. 67.13E Alt. 23 m a.s.l.





4218200 NEW DELHI, INDIA

Lat. 28.58N Long. 77.20E Alt. 212 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	770 (12)									25.3 (12)	17.1 (12)
1961	1108 (12)	73.1 (85.7/5)	50.4 (85.8/6)	-5.19 (85.8/6)	-6.14 (85.8/6)	-33.4 (85.8/6)	-40.4 (85.8/6)	8.2 (85.8/6)	8.8 (85.8/6)	24.5 (12)	18.0 (12)
1962	579 (12)	242.1 (45.7/5)	512.4 (99.8/9)	-6.15 (99.8/9)	-3.08 (99.8/9)	-39.0 (99.8/9)	-19.8 (99.8/9)	10.2 (99.8/9)	4.9 (99.8/9)	25.0 (12)	17.1 (12)
1963	802 (12)	558.8 (49.3/2)	737.5 (97.2/7)	-7.82 (97.2/7)	-4.93 (97.2/7)	-60.6 (97.2/7)	-42.5 (97.2/7)	2.1 (97.2/7)	-3.1 (97.2/7)	25.0 (12)	18.7 (12)
1964	1232 (12)	543.5 (60.6/3)	480.0 (100.0/9)	-5.35 (100.0/9)	-2.27 (100.0/9)	-36.8 (100.0/9)	-17.9 (100.0/9)	6.1 (100.0/9)	0.3 (100.0/9)	24.5 (12)	16.8 (12)
1965	593 (12)			-5.91 (100.0/9)	0.68 (100.0/9)	-40.9 (99.6/8)	4.9 (99.6/8)	6.6 (99.6/8)	0.1 (99.6/8)	24.9 (12)	15.8 (12)
1966	652 (12)	268.7 (81.5/4)	265.0 (99.8/10)	-4.55 (99.8/10)	-2.13 (99.8/10)	-24.3 (99.8/10)	-7.5 (99.8/10)	12.1 (99.8/10)	9.6 (99.8/10)	25.1 (12)	16.2 (12)
1967	1070 (12)	92.0 (82.9/3)	91.4 (92.3/6)	-7.74 (92.3/6)	-6.31 (92.3/6)	-47.8 (98.8/7)	-38.6 (98.8/7)	13.3 (92.3/6)	11.5 (92.3/6)	24.7 (12)	17.9 (12)
1968	612 (12)	63.0 (89.5/2)	61.0 (93.4/3)	-6.36 (93.4/3)	-3.91 (93.4/3)	-43.6 (93.4/3)	-24.5 (93.4/3)	7.3 (93.4/3)	6.8 (93.4/3)	24.8 (12)	16.7 (12)
1969	683 (12)	65.7 (71.0/3)	74.0 (95.0/6)	-6.22 (95.0/6)	-4.04 (95.0/6)	-38.7 (95.0/6)	-23.2 (95.0/6)	11.1 (95.0/6)	9.1 (95.0/6)	26.0 (12)	17.3 (12)
1970	749 (12)	126.8 (92.6/7)	123.2 (99.3/8)	-4.51 (99.3/8)	-4.04 (99.3/8)					25.2 (12)	18.1 (12)
1971	933 (12)	113.1 (54.3/4)	127.8 (99.8/9)	-5.51 (99.8/9)	-3.12 (99.8/9)					24.6 (12)	18.1 (12)
1972	897 (12)			-8.37 (85.0/7)	-4.37 (85.0/7)					25.3 (12)	17.4 (12)
1973	669 (12)	33.5 (82.0/3)	32.6 (98.6/8)	-4.39 (98.6/8)	-3.78 (98.6/8)	-25.6 (98.6/8)	-20.6 (98.6/8)	9.6 (98.6/8)	9.7 (98.6/8)	25.5 (12)	18.2 (12)
1974	542 (12)	36.1 (88.0/2)	33.1 (97.4/5)	-4.91 (97.4/5)	-2.84 (97.4/5)	-24.3 (97.4/5)	-10.6 (97.4/5)	15.0 (97.4/5)	12.2 (97.4/5)	25.1 (12)	15.8 (12)
1975	1254 (12)	21.0 (57.0/3)	17.8 (99.9/8)	-8.12 (99.9/8)	-5.16 (99.9/8)	-55.5 (99.9/8)	-35.6 (99.9/8)	9.6 (99.9/8)	5.8 (99.9/8)	24.7 (12)	16.8 (12)
1976	1012 (12)	24.6 (51.3/3)	19.3 (98.2/9)	-5.29 (98.2/9)	-2.43 (98.2/9)	-32.3 (98.2/9)	-11.2 (98.2/9)	10.1 (98.2/9)	8.2 (98.2/9)	25.0 (12)	18.1 (12)
1977	927 (12)	28.7 (82.7/4)	30.5 (99.8/9)	-7.34 (99.8/9)	-5.80 (99.8/9)					25.0 (12)	18.3 (12)
1978	1072 (12)	24.8 (81.1/3)	24.5 (97.2/7)	-6.10 (97.2/7)	-4.20 (97.2/7)	-44.2 (97.2/7)	-28.9 (97.2/7)	4.7 (97.2/7)	4.8 (97.2/7)	25.0 (12)	17.9 (12)
1979	444 (12)	30.6 (69.1/4)	32.3 (100.0/10)	-1.58 (100.0/10)	-0.70 (100.0/10)	-1.6 (100.0/10)	4.4 (100.0/10)	11.1 (100.0/10)	9.9 (100.0/10)	25.3 (12)	16.6 (12)
1980	688 (12)			-7.48 (99.7/10)	-2.98 (99.7/10)	-51.3 (98.4/9)	-17.2 (98.4/9)	8.9 (98.4/9)	5.6 (98.4/9)	25.5 (12)	17.4 (12)
1981	607 (12)			-5.76 (73.3/9)	-2.26 (73.3/9)	-38.0 (100.0/10)	-15.5 (100.0/10)	9.8 (73.3/9)	5.7 (73.3/9)	25.5 (12)	17.5 (12)
1982	354 (10)			0.21 (45.3/8)	0.46 (45.3/8)	9.0 (45.3/8)	9.0 (45.3/8)	7.4 (45.3/8)	5.3 (45.3/8)		
1983	1050 (9)			-4.63 (100.0/11)	-3.19 (100.0/11)	-27.3 (100.0/11)	-14.8 (100.0/11)	9.8 (100.0/11)	10.8 (100.0/11)		
1984	696 (12)			-6.06 (99.8/7)	-3.72 (99.8/7)	-40.8 (99.8/7)	-23.8 (99.8/7)	7.7 (99.8/7)	6.0 (99.8/7)	24.9 (12)	17.4 (12)
1985	858 (12)			-4.35 (99.8/8)	-4.48 (99.8/8)	-32.9 (99.8/8)	-30.3 (99.8/8)	1.9 (99.8/8)	5.6 (99.8/8)	25.5 (12)	17.6 (12)
1986	468 (12)			-3.93 (99.7/10)	-1.93 (99.7/10)	-26.9 (99.7/10)	-14.3 (99.7/10)	4.6 (99.7/10)	1.2 (99.7/10)	24.8 (12)	18.1 (12)
1987	380 (12)			-0.90 (96.3/8)	-0.15 (96.3/8)	1.1 (96.3/8)	4.1 (96.3/8)	8.2 (96.3/8)	5.3 (96.3/8)	26.3 (12)	17.8 (12)

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
Long Term Means 774											
				-5.81	-3.40	-37.2	-19.3	8.3	6.4	25.1	17.4
σ				1.85	1.73	15.1	13.6	3.4	4.0	0.4	0.7

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	16	28	-1.32	2.98	17	4.4	22.1	13	11.2	6.2	13	14.2	1.0	28	9.6	1.2	28
Feb	15	28	-0.06	3.72	21	3.2	28.7	18	5.8	8.3	18	17.0	1.4	28	10.4	1.3	28
Mar	14	28	-0.62	3.21	17	1.6	19.9	15	5.9	10.3	15	22.5	1.3	28	12.1	1.7	28
Apr	16	28	-0.19	2.96	14	0.7	21.1	11	5.0	11.2	11	28.7	1.3	28	12.9	1.8	28
May	24	28	0.87	3.34	17	11.7	17.6	14	-0.1	10.9	14	32.2	1.6	28	15.3	2.1	28
Jun	69	28	-0.06	4.08	26	8.4	19.5	22	0.3	10.3	22	33.5	1.2	28	22.5	2.4	28
Jul	235	27	-5.13	2.62	25	-31.1	19.1	22	9.4	4.9	21	30.8	1.2	27	30.2	1.8	27
Aug	253	27	-6.35	2.36	26	-42.3	19.5	22	8.2	4.2	22	29.6	1.0	27	30.2	2.1	27
Sep	114	28	-8.82	3.60	24	-60.3	29.6	20	9.0	4.4	20	29.3	1.5	28	25.5	2.8	28
Oct	20	27	-6.90	4.21	12	-49.3	29.9	9	7.3	9.6	9	26.1	0.9	27	17.5	2.1	27
Nov	6	27	-8.38	5.98	4	-58.7	48.9	4	8.3	3.1	4	20.7	1.0	27	12.7	1.9	27
Dec	10	27	-1.06	2.64	13	-5.4	22.4	13	4.4	9.5	12	15.6	1.2	27	10.1	1.3	27

CORRELATIONS

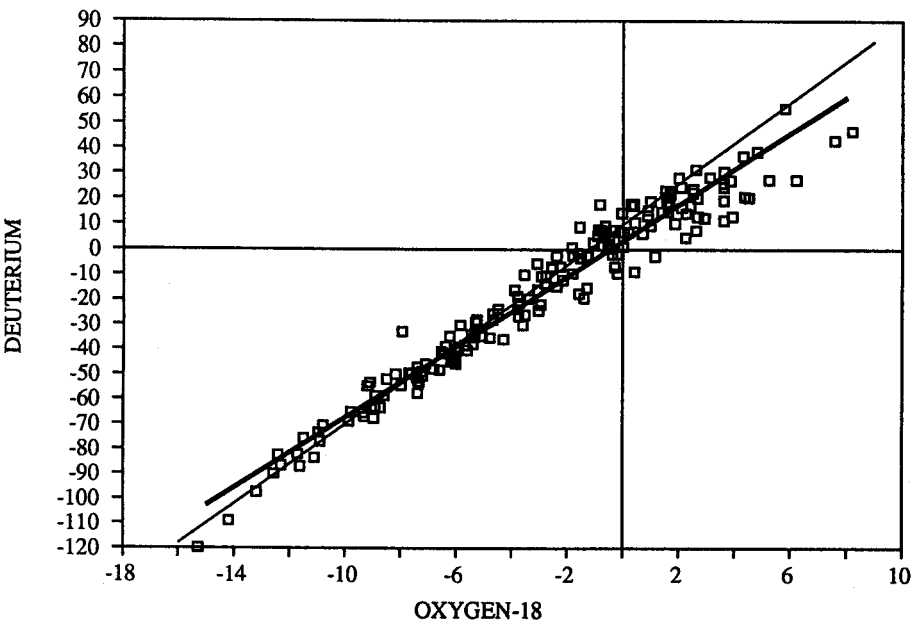
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	59	0.91	0.07	-0.27	0.17	0.737	0.26
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	1.13	0.25	-0.73	0.56	0.743	0.19
3) Monthly Deut vs. Monthly Precipitation	183	-0.13	0.02	-4.99	2.90	0.195	30.94
4) Monthly Oxyg-18 vs. Monthly Prec	216	-0.02	0.00	-1.40	0.37	0.199	4.22
5) Monthly Deut vs. Monthly Temperature	181	-0.78	0.38	3.43	10.28	0.022	34.12
6) Monthly Oxyg-18 vs. Monthly Temp	214	-0.10	0.05	-0.35	1.31	0.021	4.67
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	181	7.08	0.12	3.51	0.64	0.954	7.42
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	181	7.25	0.12	3.99	0.84	0.954	7.42

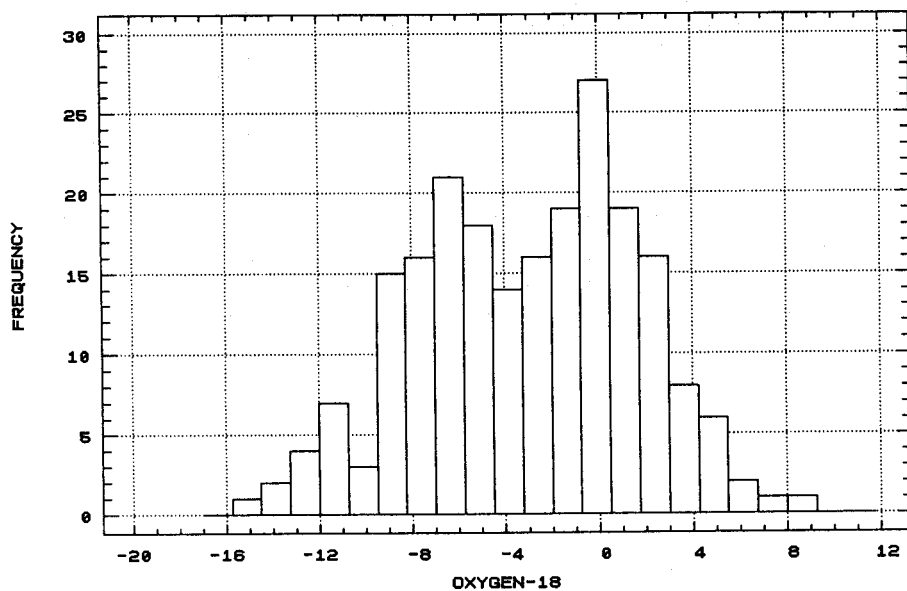
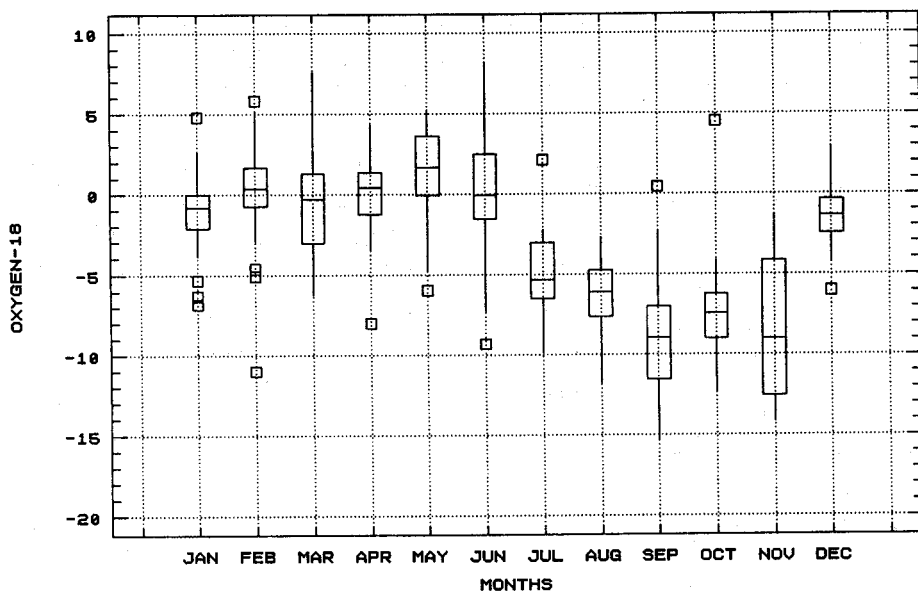
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
82 / 11	11.86	57.1		

4218200 NEW DELHI, INDIA

Lat. 28.58N Long. 77.20E Alt. 212 m a.s.l.





4305700 BOMBAY, INDIA

Lat. 18.90N Long. 72.82E Alt. 10 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	2109 (12)									27.8 (12)	27.8 (12)
1961	2207 (12)	20.6 (98.4/5)	19.2	-1.64 (98.4/5)	-1.48	-8.3 (98.4/5)	-6.6	4.8 (98.4/5)	5.3	27.4 (12)	27.5 (12)
1962	2029 (12)	62.2 (97.2/5)	62.0	-0.94 (97.2/5)	-0.82	-0.6 (97.2/5)	1.4	7.0 (97.2/5)	8.0	27.7 (12)	27.8 (12)
1963	2530 (12)	408.1 (99.5/5)	377.0	-0.81 (99.5/5)	-2.04	1.2 (99.5/5)	-11.4	7.7 (99.5/5)	5.0	28.0 (12)	28.2 (12)
1964	1964 (12)	163.4 (94.0/4)	157.5	-1.85 (94.0/4)	-1.90	-5.1 (94.0/4)	-5.7	9.7 (94.0/4)	9.6	27.1 (12)	26.9 (12)
1965	2022 (12)	133.3 (99.4/4)	122.0	-2.33 (95.5/3)	-2.27	-0.6 (95.5/3)	-1.5	18.1 (95.5/3)	16.7	27.5 (12)	26.7 (12)
1966	1560 (12)	66.3 (99.8/5)	73.6	-1.24 (99.8/5)	-0.40	-2.4 (99.8/5)	5.4	7.5 (99.8/5)	8.6	27.8 (12)	26.9 (12)
1967	2374 (12)	50.2 (95.7/4)	46.0							27.4 (12)	26.9 (12)
1968	958 (12)	24.5 (47.4/3)	23.7							27.2 (12)	25.4 (12)
1969	1583 (12)	17.1 (99.9/4)	16.3							27.7 (12)	27.9 (12)
1970	2626 (12)	43.6 (62.9/4)	45.3							27.1 (12)	26.9 (12)
1971	2444 (12)	38.5 (96.5/4)	40.3							27.0 (12)	26.2 (12)
1972	1513 (12)									27.4 (12)	26.0 (12)
1973	1851 (12)	33.4 (99.9/5)	29.6	-1.13 (99.9/5)	-2.34	-2.7 (67.8/4)	-13.5	9.3 (67.8/4)	9.3	27.3 (12)	26.7 (12)
1974	2370 (12)	22.8 (97.6/5)	23.7	-1.82 (93.1/4)	-1.34	-7.2 (93.1/4)	-3.0	7.4 (93.1/4)	7.8	27.3 (12)	26.4 (12)
1975	2792 (10)	19.7 (36.0/1)	19.7	-2.64 (100.0/5)	-3.29	-12.8 (100.0/5)	-18.1	8.4 (100.0/5)	8.3		
1976	1463 (12)	16.9 (70.4/3)	20.3	-0.51 (100.0/5)	-2.01	4.5 (100.0/5)	-6.5	8.5 (100.0/5)	9.6	27.6 (12)	27.0 (12)
1977	1769 (12)	25.9 (83.3/4)	25.9	-0.95 (83.3/4)	-1.03	1.2 (68.0/3)	-1.0	10.3 (68.0/3)	9.9	26.1 (12)	25.5 (12)
1978	1534 (12)	21.1 (93.8/4)	16.8							27.5 (12)	27.1 (12)
Long Term Means 1984											
				-1.51	-1.72	-4.1	-5.1	8.7	8.8	27.4	26.9
σ				0.67	0.81	5.4	6.8	3.7	3.4	0.4	0.7

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	1	19										24.3	0.9	19	19.5	1.7	19
Feb	1	19										24.9	1.1	19	20.6	1.8	19
Mar	0	19										26.8	0.6	19	23.9	1.4	19
Apr	2	19										28.6	0.6	19	27.9	1.6	19
May	11	19										30.1	0.5	19	29.9	1.4	19
Jun	544	19	-1.28	1.20	11	-2.1	9.2	11	8.2	3.2	11	29.1	0.5	19	31.8	0.8	19
Jul	698	19	-1.48	0.94	11	-3.1	6.7	10	9.7	5.7	10	27.6	0.4	19	31.6	0.6	19
Aug	395	19	-0.92	1.09	11	0.6	7.7	10	8.7	2.5	10	27.4	0.5	19	30.6	0.6	19
Sep	248	19	-1.70	1.57	10	-6.2	13.5	10	7.5	2.5	10	27.4	0.8	19	30.0	1.1	19
Oct	71	19	-4.51	3.93	5	-28.4	34.3	5	7.7	5.3	5	28.2	1.7	19	29.0	1.8	19
Nov	8	18	-5.43		1	-29.6		1	13.8		1	27.5	2.4	18	24.7	3.0	18
Dec	5	18	-0.20		1	6.2		1	7.8		1	26.1	0.8	18	22.2	1.9	18

CORRELATIONS

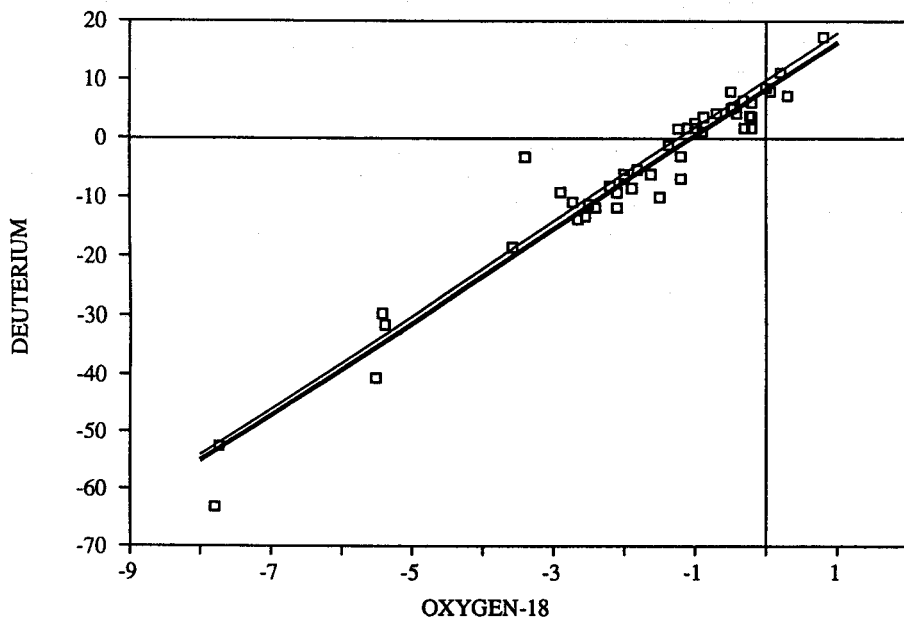
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	67	0.72	0.06	-0.18	0.16	0.660	0.26
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	13	0.75	0.09	-0.21	0.22	0.873	0.15
3) Monthly Deut vs. Monthly Precipitation	48	0.01	0.01	-9.60	3.83	0.033	15.54
4) Monthly Oxyg-18 vs. Monthly Prec	50	0.00	0.00	-2.13	0.46	0.024	1.89
5) Monthly Deut vs. Monthly Temperature	48	-0.77	2.25	15.84	62.74	0.003	15.78
6) Monthly Oxyg-18 vs. Monthly Temp	50	-0.05	0.27	-0.44	7.52	0.001	1.92
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	48	7.94	0.29	8.40	0.75	0.942	3.80
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	48	8.18	0.28	8.83	0.91	0.942	3.80

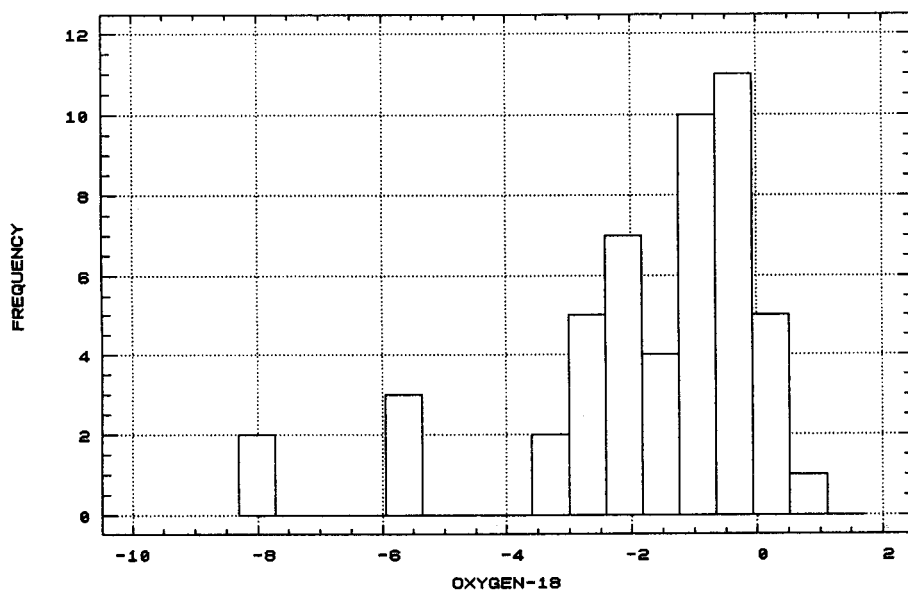
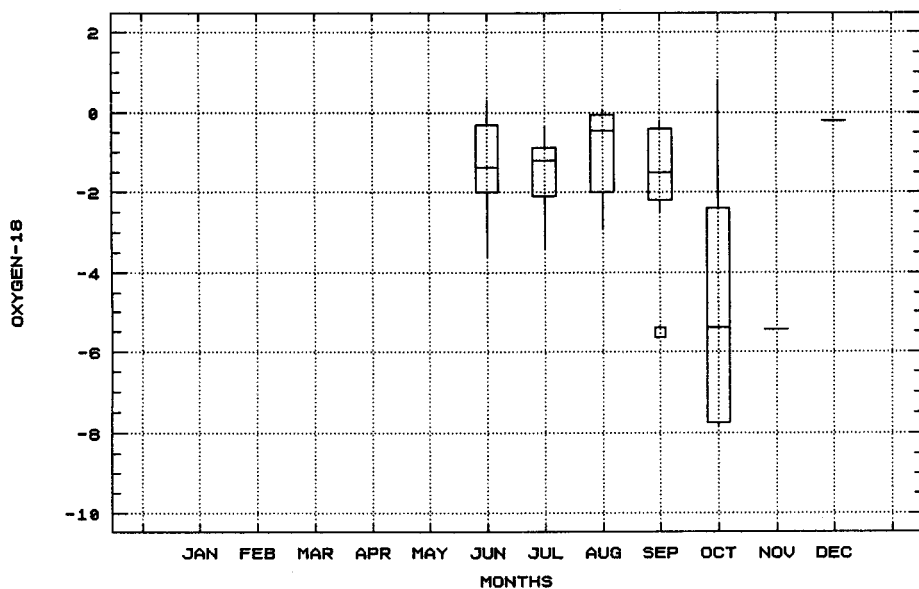
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
65 /	9	-0.60	28.5		
74 /	10	-6.06	-18.9		

4305700 BOMBAY, INDIA

Lat. 18.90N Long. 72.82E Alt. 10 m a.s.l.





4500400 HONG KONG, UK

Lat. 22.32N Long. 114.17E Alt. 65 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	2231 (12)	59.0 (99.2/10)	58.3 (100.0/12)	-7.55 (100.0/12)	-4.84 (100.0/12)	-49.0 (100.0/12)	-31.4 (100.0/12)	11.5 (100.0/12)	7.4 (100.0/12)	22.9 (12)	22.9 (12)
1962	1743 (12)	170.2 (46.5/4)	185.8 (94.0/8)	-5.32 (94.0/8)	-5.07 (94.0/8)	-35.1 (94.0/8)	-33.1 (94.0/8)	7.5 (94.0/8)	7.5 (94.0/8)	22.8 (12)	22.5 (12)
1963	902 (12)	320.0 (71.3/6)	316.2 (97.6/8)	-6.77 (97.6/8)	-4.60 (97.6/8)	-47.5 (97.6/8)	-30.3 (97.6/8)	6.7 (97.6/8)	6.5 (97.6/8)	23.3 (12)	22.2 (12)
1964	2433 (12)	70.6 (42.4/2)	70.5 (88.4/8)	-8.81 (88.4/8)	-6.38 (88.4/8)	-62.6 (88.4/8)	-44.6 (88.4/8)	7.9 (88.4/8)	6.5 (88.4/8)	22.9 (12)	22.6 (12)
1965	2352 (12)	163.9 (99.3/10)	186.4 (54.6/7)	-4.72 (54.6/7)	-4.18 (54.6/7)	-29.4 (43.5/5)	-23.1 (43.5/5)	14.8 (43.5/5)	16.7 (43.5/5)	23.1 (12)	22.7 (12)
1966	2397 (12)	70.8 (79.1/7)	75.1 (79.1/7)							23.8 (12)	23.0 (12)
1967	1572 (12)	25.3 (56.7/5)	30.6 (56.7/5)							22.9 (12)	22.0 (12)
1968	2289 (12)	28.7 (100.0/12)	35.2 (100.0/12)							23.0 (12)	22.5 (12)
1969	1897 (12)	47.0 (75.3/7)	38.1 (75.3/7)			-36.4 (38.4/5)	-22.8 (38.4/5)			22.8 (12)	22.2 (12)
1970	2317 (12)	29.4 (82.2/9)	31.2 (82.2/9)							22.8 (12)	22.6 (12)
1971	1905 (12)	24.4 (99.9/10)	27.8 (99.9/10)							22.8 (12)	21.7 (12)
1972	2809 (12)	27.9 (99.9/11)	24.5 (99.9/11)							22.9 (12)	23.2 (12)
1973	3101 (12)	13.3 (100.0/11)	16.4 (93.6/7)	-7.69 (93.6/7)	-6.13 (93.6/7)	-50.3 (93.6/7)	-36.6 (93.6/7)	11.3 (93.6/7)	12.5 (93.6/7)	23.3 (12)	24.0 (12)
1974	2323 (12)	17.5 (99.8/11)	22.2 (91.0/10)	-7.39 (91.0/10)	-5.22 (91.0/10)	-52.9 (91.0/10)	-35.0 (91.0/10)	6.3 (91.0/10)	6.8 (91.0/10)	22.8 (12)	22.6 (12)
1975	3028 (12)	12.5 (100.0/12)	14.4 (79.5/10)	-7.06 (79.5/10)	-5.51 (79.5/10)	-47.4 (79.5/10)	-33.2 (79.5/10)	9.1 (79.5/10)	11.0 (79.5/10)	22.9 (12)	23.4 (12)
1976	2197 (12)	11.8 (99.9/10)	19.1 (99.9/10)	-7.03 (99.9/10)	-4.47 (99.9/10)	-46.0 (99.9/10)	-24.2 (99.9/10)	10.3 (99.9/10)	11.6 (99.9/10)	22.5 (12)	22.4 (12)
1977	1680 (12)	12.3 (98.7/8)	14.1 (98.7/8)	-6.45 (98.9/9)	-5.14 (98.9/9)	-39.7 (98.7/8)	-33.2 (98.7/8)	12.1 (98.7/8)	11.8 (98.7/8)	23.4 (12)	23.3 (12)
1978	2592 (12)	10.9 (100.0/12)	13.6 (88.5/10)	-6.02 (88.5/10)	-4.25 (88.5/10)	-35.0 (88.5/10)	-20.8 (88.5/10)	13.2 (88.5/10)	13.2 (88.5/10)	22.9 (12)	22.3 (12)
1979	2614 (12)	9.0 (100.0/10)	12.7 (87.6/8)	-8.04 (87.6/8)	-4.83 (87.6/8)	-56.2 (87.6/8)	-30.4 (87.6/8)	8.2 (87.6/8)	8.3 (87.6/8)	23.1 (12)	22.9 (12)
1980	1711 (12)	7.7 (99.7/11)	11.6 (99.7/11)	-5.29 (99.7/11)	-4.52 (99.7/11)	-31.8 (99.7/11)	-25.5 (99.7/11)	10.6 (99.7/11)	10.7 (99.7/11)	23.1 (12)	22.9 (12)
1981		10.7 (100.0/10)	10.5 (100.0/10)	-6.14 (100.0/10)	-5.36 (100.0/10)	-38.1 (60.3/6)	-26.2 (60.3/6)	9.8 (60.3/6)	10.7 (60.3/6)		
1982	2249 (3)	9.1 (97.0/10)	9.4 (97.0/10)	-5.09 (64.0/9)	-4.06 (64.0/9)	-31.4 (100.0/11)	-23.1 (100.0/11)	11.7 (64.0/8)	12.3 (64.0/8)		
1983	2847 (12)	21.4 (50.6/6)	32.7 (100.0/11)	-5.98 (100.0/11)	-5.27 (100.0/11)	-36.0 (100.0/11)	-29.2 (100.0/11)	11.8 (100.0/11)	13.0 (100.0/11)	23.1 (12)	23.1 (12)
1984	2020 (12)	5.4 (54.7/10)	9.5 (99.4/11)	-6.88 (99.4/11)	-4.65 (99.4/11)	-42.5 (99.4/11)	-26.5 (99.4/11)	12.5 (99.4/11)	10.8 (99.4/11)	22.5 (12)	22.4 (12)
1985	2191 (12)	6.5 (100.0/12)	6.6 (97.4/11)	-7.03 (97.4/11)	-5.01 (97.4/11)	-46.5 (97.4/11)	-28.8 (97.4/11)	9.8 (97.4/11)	11.3 (97.4/11)	22.6 (12)	23.0 (12)
1986	2344 (12)	5.1 (99.9/11)	5.3 (100.0/12)	-6.08 (100.0/12)	-4.64 (100.0/12)	-39.0 (100.0/12)	-27.6 (100.0/12)	9.7 (100.0/12)	9.6 (100.0/12)	22.3 (12)	22.7 (12)
1987	2317 (12)	4.7 (99.9/11)	4.9 (99.9/11)	-4.39 (99.9/11)	-4.20 (99.9/11)	-27.1 (99.9/11)	-26.8 (99.9/11)	8.1 (99.9/11)	6.8 (99.9/11)	23.4 (12)	23.5 (12)

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
Long Term Means 2156											
				-6.70	-5.01	-43.2	-30.0	10.0	9.7	23.0	22.7
σ				1.08	0.58	9.5	5.5	2.1	2.4	0.3	0.5

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
			Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	25	25	-1.84	1.68	13	-7.0	13.5	14	9.0	7.1	13	15.7	1.1	25	12.7	2.1	25
Feb	48	25	-1.99	1.20	15	-2.1	8.9	16	14.0	3.8	15	15.8	1.9	25	14.2	2.0	25
Mar	69	25	-2.10	1.75	17	-7.5	13.1	16	10.1	5.7	15	18.5	1.3	25	17.4	1.8	25
Apr	156	25	-3.10	1.36	19	-14.7	10.1	19	10.7	3.0	18	22.2	1.1	25	22.0	2.4	25
May	296	25	-5.19	2.06	17	-31.2	16.1	17	10.3	2.8	17	26.0	1.0	25	27.6	1.9	25
Jun	402	25	-6.38	1.51	18	-41.2	11.8	19	10.6	5.9	18	27.8	0.6	25	30.9	0.8	25
Jul	330	25	-7.21	1.19	19	-48.1	9.6	20	8.7	2.6	19	28.8	0.4	25	31.7	0.7	25
Aug	396	25	-7.43	1.19	19	-50.6	9.8	19	9.2	2.8	18	28.4	0.5	25	31.5	0.6	25
Sep	295	25	-7.30	2.33	19	-48.9	18.3	18	9.6	3.3	18	27.6	0.5	25	28.7	1.6	25
Oct	155	26	-6.14	3.01	16	-38.0	26.3	16	9.2	5.1	15	25.2	0.6	26	23.6	2.1	26
Nov	34	26	-3.91	2.46	13	-22.2	19.5	12	7.6	5.4	12	21.5	1.0	26	18.1	2.3	26
Dec	26	26	-3.21	1.56	8	-12.1	17.7	7	12.4	5.9	7	17.4	1.7	26	14.0	2.2	26

CORRELATIONS

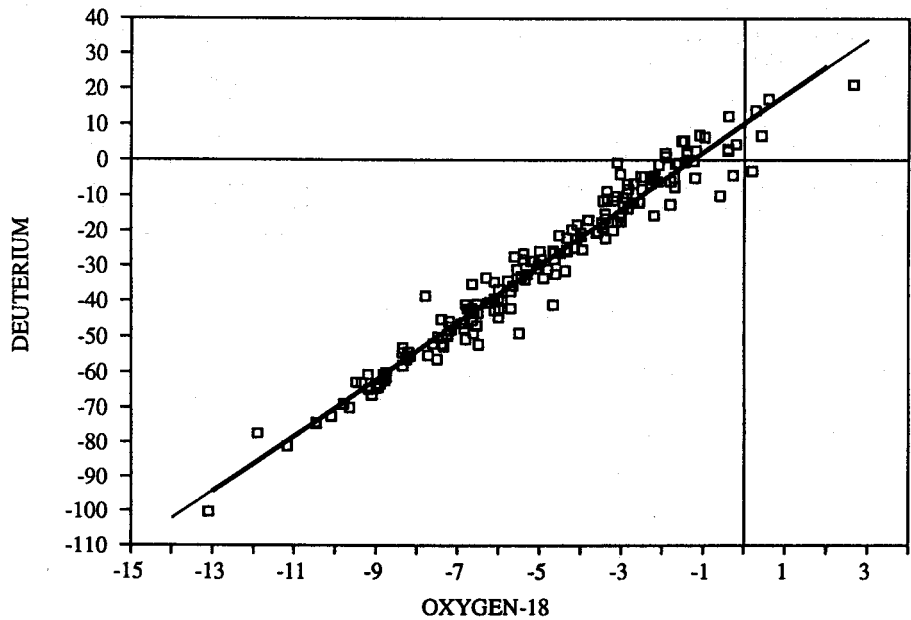
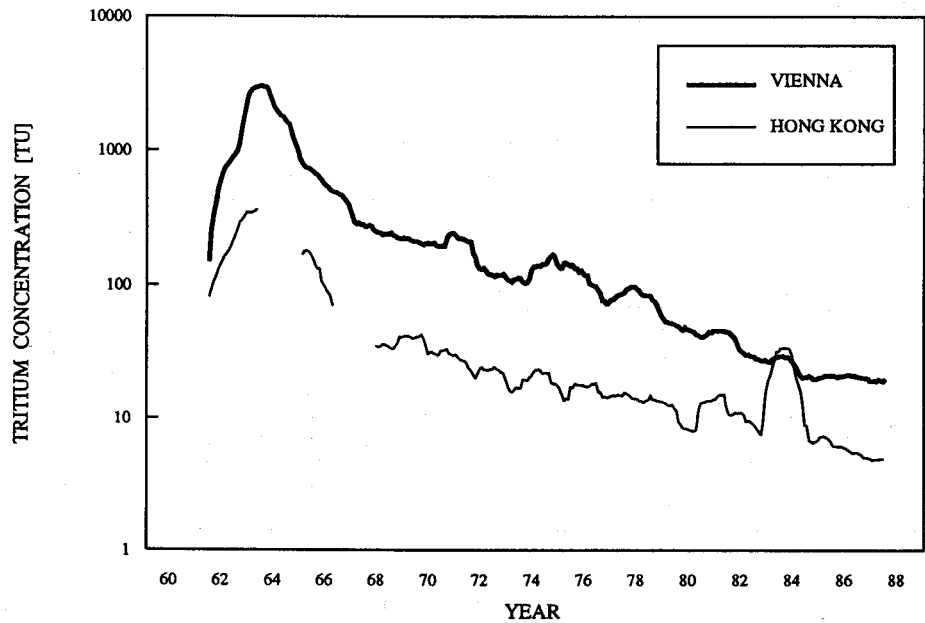
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	236	0.66	0.03	-0.05	0.07	0.633	0.27
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	21	0.81	0.09	-0.38	0.18	0.813	0.18
3) Monthly Deut vs. Monthly Precipitation	193	-0.08	0.01	-10.93	1.83	0.472	16.62
4) Monthly Oxyg-18 vs. Monthly Prec	193	-0.01	0.00	-2.68	0.22	0.481	2.02
5) Monthly Deut vs. Monthly Temperature	178	-3.40	0.25	50.90	6.13	0.504	16.38
6) Monthly Oxyg-18 vs. Monthly Temp	176	-0.41	0.03	4.87	0.78	0.484	2.06
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	185	8.04	0.12	10.27	0.68	0.960	4.61
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	185	8.21	0.12	11.07	0.76	0.960	4.61

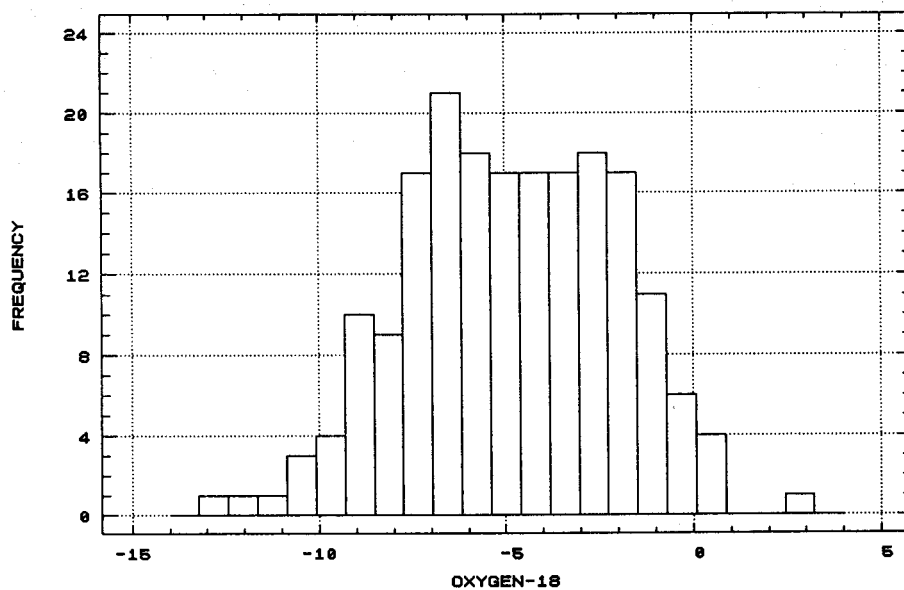
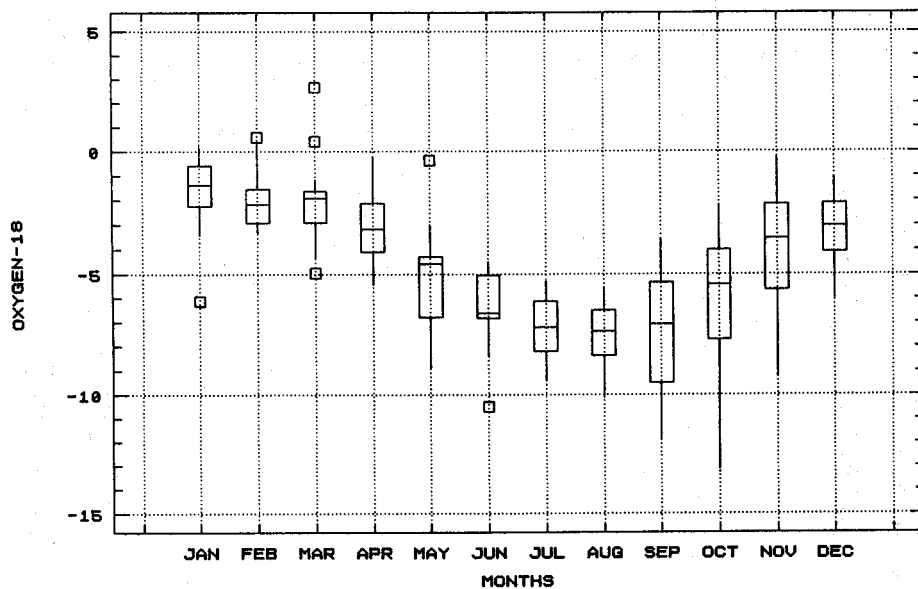
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
64	/ 6	-1.20	-21.7		
74	/ 5	-4.72	-9.8		
78	/ 11	-5.90	-16.1		
85	/ 10	-8.43	-21.2		
87	/ 12	1.00	-10.0		

4500400 HONG KONG, UK

Lat. 22.32N Long. 114.17E Alt. 65 m a.s.l.





4713800 POHANG, REPUBLIC OF KOREA

Lat. 36.03N Long. 129.38E Alt. 6 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1961	1469 (12)	39.0 (68.6/5)	41.1	-7.69 (95.5/9)	-7.64	-55.2 (95.5/9)	-54.0	6.3 (95.5/9)	7.1	14.1 (12)	13.0 (12)
1962	738 (12)	225.1 (43.9/3)	221.7	-7.03 (95.9/11)	-6.75	-51.6 (95.9/11)	-47.0	4.7 (95.9/11)	7.1	13.4 (12)	11.7 (12)
1963	1055 (12)	1384.7 (98.2/9)	1161.0	-9.21 (100.0/12)	-6.38	-62.8 (100.0/12)	-37.4	11.0 (100.0/12)	13.7	12.4 (12)	11.8 (12)
1964	1138 (12)	720.3 (100.0/12)	708.3	-7.43 (100.0/12)	-7.12	-44.5 (100.0/12)	-39.9	15.0 (100.0/12)	17.1	13.6 (12)	12.8 (12)
1965	1043 (12)	347.6 (98.5/11)	445.9	-9.46 (89.9/10)	-9.81	-66.1 (89.9/10)	-65.1	9.6 (89.9/10)	13.5	12.9 (12)	12.1 (12)
1966	958 (12)	239.0 (99.7/11)	230.9	-6.87 (100.0/12)	-6.47	-42.8 (100.0/12)	-39.7	12.2 (100.0/12)	12.1	13.0 (12)	12.9 (12)
1967	854 (12)	148.5 (78.8/9)	130.8	0.07 (2.8/1)	0.07	-32.8 (78.8/9)	-26.3	1.9 (2.8/1)	1.9	13.1 (12)	12.6 (12)
1968	805 (12)	98.2 (97.5/9)	131.0							12.8 (12)	12.0 (12)
1969	1183 (12)	82.9 (97.3/9)	102.4							12.7 (12)	12.2 (12)
1970	1429 (12)	63.5 (46.6/6)	60.2							12.9 (12)	13.0 (12)
1971	826 (12)	70.3 (100.0/12)	73.8							13.1 (12)	12.2 (12)
1972	1481 (12)	40.8 (97.2/11)	49.4	-9.10 (2.7/1)	-9.10	-55.6 (2.7/1)	-55.6	17.2 (2.7/1)	17.2	13.2 (12)	12.4 (12)
1973	887 (12)	31.1 (89.2/11)	33.9	-7.47 (99.7/11)	-7.05	-45.7 (99.7/11)	-42.2	14.1 (99.7/11)	14.3	13.8 (12)	12.2 (12)
1974	1243 (12)	33.6 (94.4/11)	36.5	-8.01 (90.1/10)	-7.67	-57.8 (90.1/10)	-48.5	6.4 (90.1/10)	12.9	12.5 (12)	13.2 (12)
1975	1210 (12)	22.7 (85.7/9)	24.9	-7.22 (85.7/9)	-7.49	-47.1 (85.7/9)	-48.0	10.7 (85.7/9)	12.0	13.8 (12)	12.1 (12)
1976	1383 (12)	18.4 (32.6/3)	17.8	-7.38 (100.0/12)	-6.75	-48.0 (100.0/12)	-40.9	11.1 (100.0/12)	13.2	13.8 (12)	12.6 (12)
Long Term											
Means 1106				-7.78	-7.31	-51.0	-44.5	10.1	12.3	13.2	12.4
σ				0.88	0.98	9.6	9.9	3.4	3.0	0.5	0.4

MONTHLY MEANS

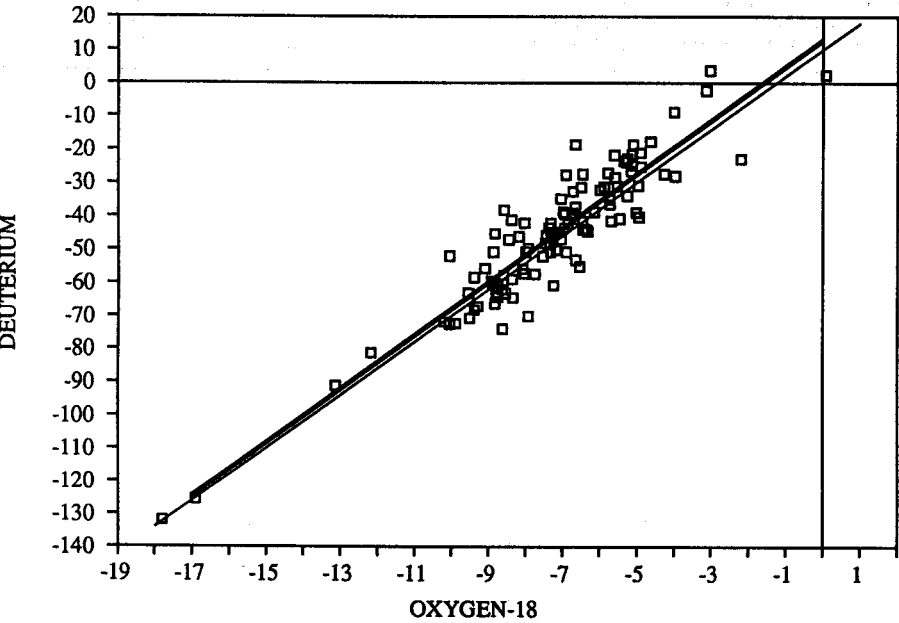
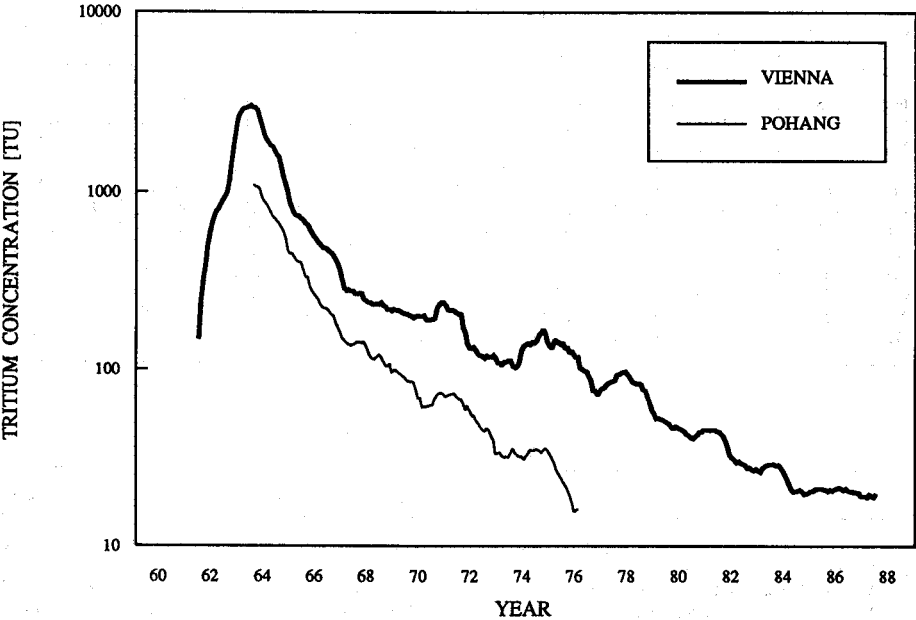
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	35	16	-6.13	3.88	8	-32.3	29.1	8	16.7	10.3	8	0.8	1.8	16	3.6	1.0	16
Feb	34	16	-5.90	1.81	8	-26.6	15.6	9	16.3	9.5	8	2.1	1.3	16	4.1	0.6	16
Mar	63	16	-6.89	1.42	9	-37.9	10.0	9	17.3	4.5	9	6.2	1.6	16	5.7	0.8	16
Apr	85	16	-7.10	1.54	9	-44.4	14.3	9	12.4	8.0	9	12.2	1.1	16	9.3	0.9	16
May	88	16	-7.48	3.84	10	-51.7	29.9	10	8.2	5.8	10	17.2	0.9	16	13.1	0.8	16
Jun	114	16	-9.12	3.42	8	-60.0	26.1	9	12.4	7.2	8	20.3	0.8	16	18.0	0.7	16
Jul	240	16	-8.40	1.91	10	-59.1	16.6	11	5.2	7.0	10	24.5	1.4	16	24.6	1.4	16
Aug	144	16	-8.03	1.52	10	-54.0	12.7	11	8.1	2.8	10	25.7	1.0	16	25.9	2.1	16
Sep	149	16	-7.49	1.34	9	-48.6	15.2	10	9.4	6.1	9	20.9	1.0	16	18.9	1.7	16
Oct	75	16	-7.15	1.55	10	-45.2	14.1	11	9.7	5.0	10	15.4	0.9	16	12.5	1.8	16
Nov	53	16	-6.18	1.60	10	-35.5	16.6	11	14.4	7.1	10	9.3	1.3	16	8.5	3.7	16
Dec	27	16	-6.35	1.84	9	-30.4	15.4	10	20.7	6.7	9	3.0	1.9	16	4.4	0.8	16

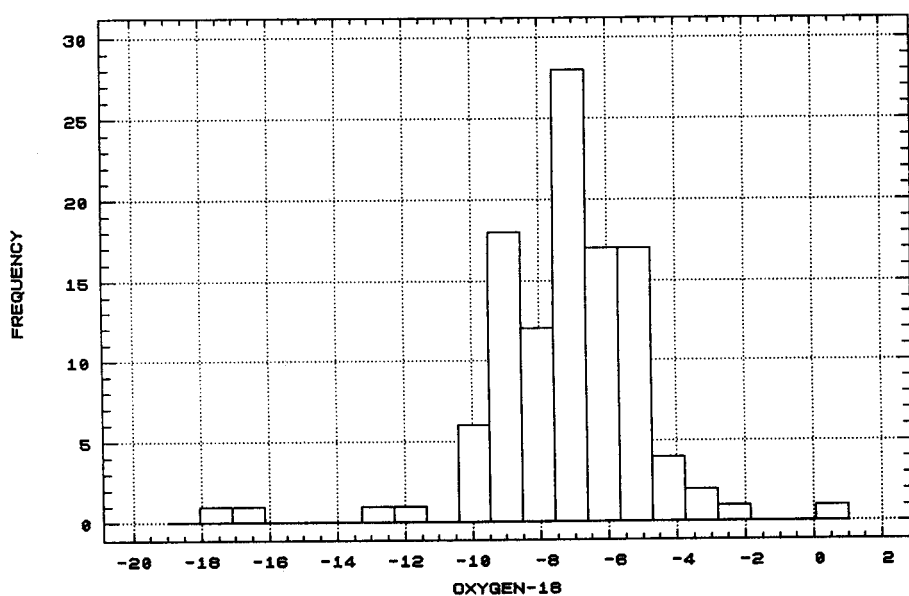
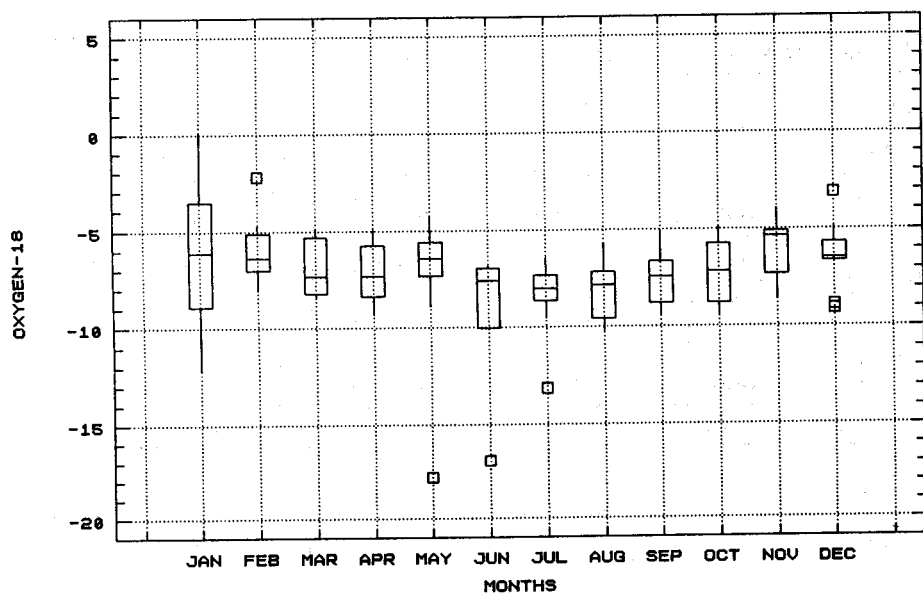
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	136	0.99	0.05	-0.40	0.12	0.770	0.26
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	1.19	0.08	-0.96	0.20	0.958	0.12
3) Monthly Deut vs. Monthly Precipitation	118	-0.09	0.02	-35.43	2.71	0.139	19.40
4) Monthly Oxyg-18 vs. Monthly Prec	110	-0.01	0.00	-6.49	0.33	0.072	2.29
5) Monthly Deut vs. Monthly Temperature	118	-1.19	0.20	-27.82	3.18	0.241	18.21
6) Monthly Oxyg-18 vs. Monthly Temp	110	-0.10	0.03	-5.84	0.40	0.126	2.22
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	110	8.08	0.32	12.92	2.42	0.856	7.89
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	110	8.73	0.32	17.63	2.51	0.856	7.89

4713800 POHANG, REPUBLIC OF KOREA

Lat. 36.03N Long. 129.38E Alt. 6 m a.s.l.





4751300 RYORI, JAPAN

Lat. 39.02N Long. 141.50E Alt. 260 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1979	1494 (12)	18.0 (100.0/12)	17.1	-7.06 (100.0/12)	-7.31	-43.7 (100.0/12)	-45.3	12.8 (100.0/12)	13.2	11.5 (12)	10.4 (12)
1980	1290 (9)	14.1 (100.0/12)	13.5	-8.22 (100.0/11)	-8.55	-51.7 (100.0/12)	-53.7	14.3 (100.0/11)	14.9		
1981	1389 (12)	19.6 (100.0/12)	20.0	-8.85 (89.2/11)	-8.75	-59.7 (100.0/12)	-55.7	10.9 (89.2/11)	14.6		
1982	1165 (12)	10.8 (100.0/12)	10.6	-6.50 (100.0/12)	-6.78	-38.9 (100.0/12)	-39.8	13.1 (100.0/12)	14.5	10.4 (12)	10.6 (12)
1983	1342 (12)	10.6 (64.6/8)	12.5	-9.05 (92.6/11)	-9.10	-60.2 (92.6/11)	-58.0	12.2 (92.6/11)	14.9	9.9 (12)	10.4 (12)
1984	1037 (12)	8.3 (83.2/10)	8.5	-9.42 (93.1/11)	-9.87	-62.6 (100.0/12)	-65.2	11.5 (93.1/11)	12.0	8.0 (12)	10.5 (12)
1985	1160 (12)	18.8 (100.0/12)	14.8	-8.24 (100.0/12)	-8.19	-56.1 (100.0/12)	-54.9	9.8 (100.0/12)	10.6	9.9 (12)	10.5 (12)
1986	603 (6)	10.4 (53.6/6)	9.8	-10.61 (53.6/6)	-10.60	-69.0 (53.6/6)	-67.2	15.9 (53.6/6)	17.7		
Long Term Means 1124				-8.13	-8.37	-53.0	-53.2	12.1	13.5	10.0	10.5
σ				1.07	1.05	9.0	8.3	1.5	1.6	1.2	0.1

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	33	8	-9.27	2.71	8	-55.5	21.3	8	18.7	4.6	8	-0.6	1.5	8	3.6	0.4	8
Feb	63	8	-9.84	2.37	8	-63.2	19.6	8	15.5	3.5	8	-1.2	3.9	7	3.7	0.7	7
Mar	82	8	-10.46	3.30	8	-67.5	27.0	8	16.1	4.6	8	1.2	3.8	6	4.5	0.5	6
Apr	136	8	-7.43	2.30	7	-47.4	19.1	8	13.4	3.9	7	7.8	1.7	7	7.0	0.5	7
May	108	8	-7.99	2.00	7	-53.9	17.0	7	10.0	2.6	7	12.6	1.3	7	10.1	0.6	7
Jun	131	8	-9.32	1.16	7	-63.9	9.7	8	9.3	4.2	7	15.9	1.8	7	13.8	2.2	7
Jul	144	6	-7.74	1.12	7	-53.7	9.8	7	8.3	1.9	7	19.4	1.3	6	19.7	1.6	6
Aug	136	6	-7.43	3.17	6	-50.8	22.4	7	7.7	2.0	6	22.0	0.9	6	23.0	1.5	6
Sep	211	6	-7.61	1.77	7	-49.3	12.5	7	11.6	2.4	7	18.0	0.9	6	16.6	0.8	6
Oct	129	7	-6.87	1.21	7	-39.0	11.7	7	15.9	4.1	7	13.4	1.5	7	11.1	1.4	7
Nov	67	7	-8.75	2.07	7	-53.9	16.2	7	16.1	4.8	7	7.9	1.5	7	7.4	0.8	7
Dec	35	7	-8.37	0.96	7	-46.9	9.9	7	20.1	5.5	7	2.9	1.4	7	5.1	1.3	7

CORRELATIONS

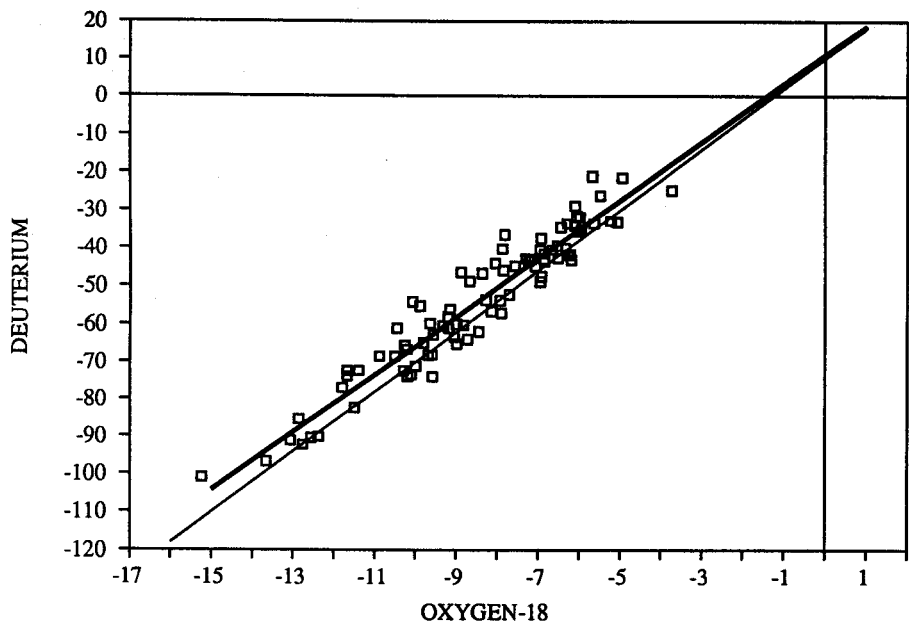
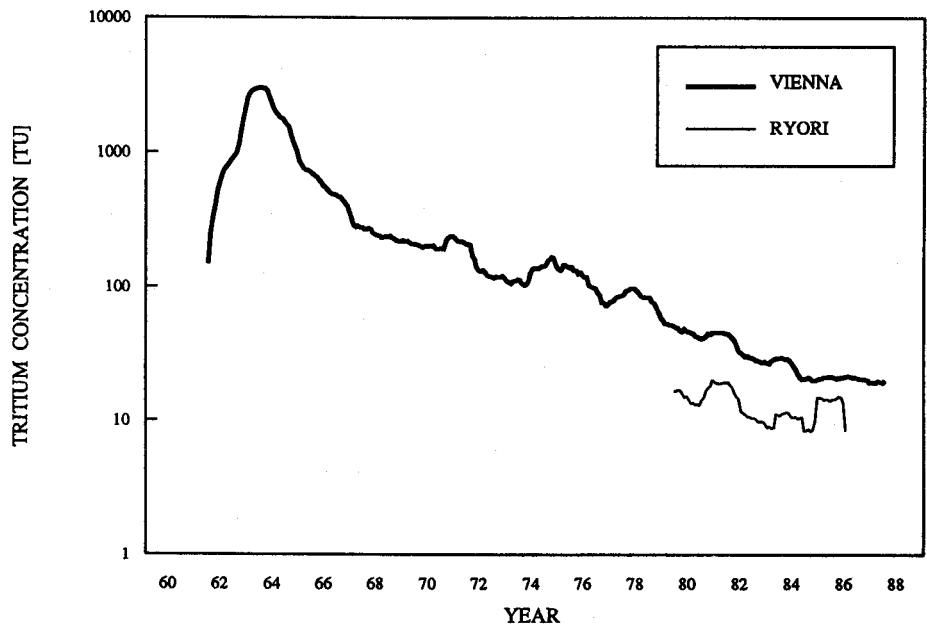
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	79	0.71	0.10	0.02	0.15	0.383	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	5	0.06	0.40	1.11	0.63	0.008	0.12
3) Monthly Deut vs. Monthly Precipitation	89	0.00	0.03	-54.29	3.59	0.000	18.22
4) Monthly Oxyg-18 vs. Monthly Prec	86	0.00	0.00	-8.95	0.46	0.017	2.29
5) Monthly Deut vs. Monthly Temperature	80	0.41	0.24	-57.42	3.03	0.034	17.39
6) Monthly Oxyg-18 vs. Monthly Temp	77	0.10	0.03	-9.35	0.36	0.136	2.06
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	86	7.68	0.25	11.03	2.21	0.917	5.33
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	86	8.02	0.25	13.91	2.26	0.917	5.33

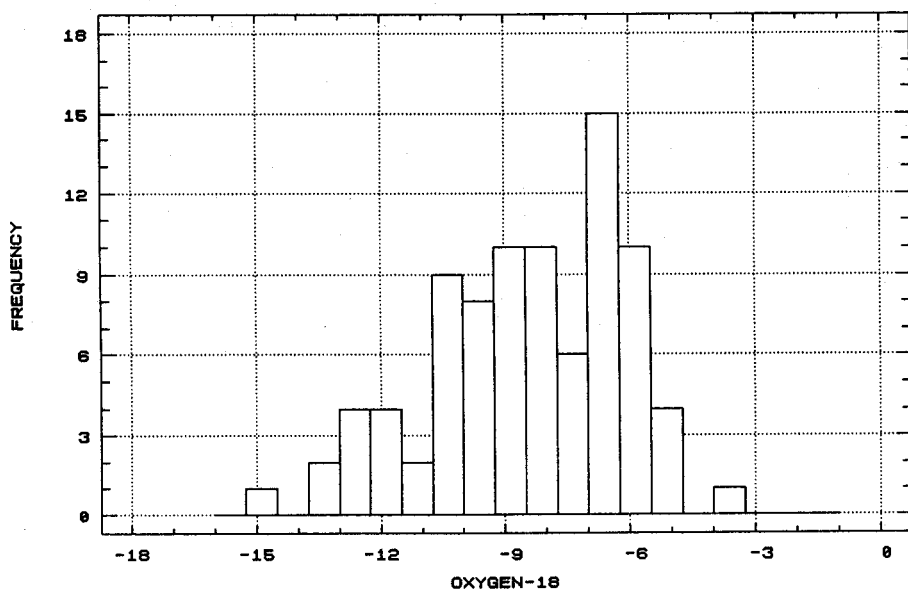
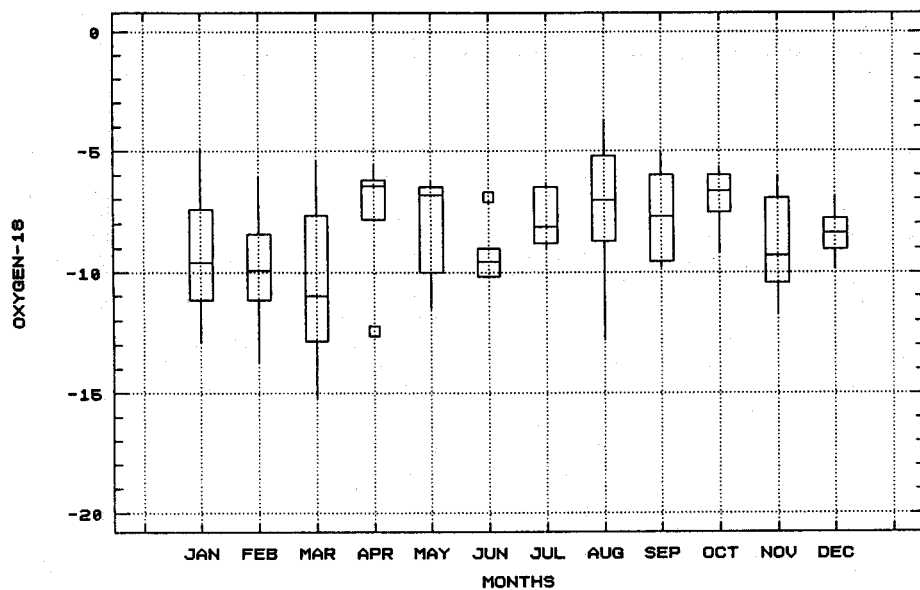
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
83 / 5	-2.31	-31.7		

4751300 RYORI, JAPAN

Lat. 39.02N Long. 141.50E Alt. 260 m a.s.l.





4766200 TOKYO, JAPAN

Lat. 35.68N Long. 139.77E Alt. 4 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	1261 (12)									15.4 (12)	13.8 (12)
1961	1263 (12)	51.3 (91.0/9)	62.0 (93.4/10)	-6.90 (93.4/10)	-6.98 (93.4/10)	-44.6 (93.4/10)	-45.2 (93.4/10)	10.7 (93.4/10)	10.7 (93.4/10)	16.0 (12)	14.3 (12)
1962	1259 (12)	249.0 (82.7/10)	270.7 (100.0/12)	-7.65 (100.0/12)	-7.30 (100.0/12)	-47.3 (100.0/12)	-43.3 (100.0/12)	13.9 (100.0/12)	15.2 (100.0/12)	15.4 (12)	13.6 (12)
1963	1576 (12)	822.3 (98.0/10)	884.1 (100.0/11)	-7.93 (100.0/11)	-7.78 (100.0/11)	-53.6 (100.0/11)	-49.5 (100.0/11)	9.9 (100.0/11)	12.7 (100.0/11)	15.0 (12)	13.4 (12)
1964	1140 (12)	747.6 (79.3/9)	685.7 (87.2/11)	-7.97 (87.2/11)	-7.78 (87.2/11)	-48.7 (87.2/11)	-47.0 (87.2/11)	15.2 (87.2/11)	15.3 (87.2/11)	15.3 (12)	13.9 (12)
1965	1599 (12)	232.1 (100.0/12)	256.6 (99.3/11)	-7.65 (99.3/11)	-7.60 (99.3/11)	-52.5 (99.3/11)	-51.2 (99.3/11)	8.8 (99.3/11)	9.7 (99.3/11)	14.7 (12)	12.6 (12)
1966	1645 (12)	156.6 (93.3/11)	141.5 (96.6/11)	-8.65 (96.6/11)	-8.12 (96.6/11)	-62.8 (96.6/11)	-54.7 (96.6/11)	6.5 (96.6/11)	10.4 (96.6/11)	15.5 (12)	12.9 (12)
1967	1021 (12)	95.0 (91.2/11)	100.6 (93.4/11)	-6.35 (93.4/11)	-6.66 (93.4/11)	-39.9 (100.0/12)	-40.7 (100.0/12)	10.7 (93.4/11)	12.2 (93.4/11)	15.8 (12)	12.9 (12)
1968	1494 (12)	71.8 (100.0/12)	73.5 (100.0/12)	-7.82 (100.0/12)	-7.43 (100.0/12)	-48.3 (100.0/12)	-43.6 (100.0/12)	14.3 (100.0/12)	15.8 (100.0/12)	15.7 (12)	13.1 (12)
1969	1346 (12)	68.7 (100.0/12)	66.4 (100.0/12)	-7.71 (100.0/12)	-7.30 (100.0/12)	-48.4 (100.0/12)	-43.6 (100.0/12)	13.4 (100.0/12)	14.9 (100.0/12)	15.7 (12)	13.1 (12)
1970	1131 (12)	88.4 (100.0/12)	80.3 (100.0/12)	-8.11 (100.0/12)	-7.53 (100.0/12)					15.2 (12)	13.1 (12)
1971	1445 (12)	65.2 (100.0/12)	72.1 (100.0/12)	-7.94 (100.0/12)	-7.43 (100.0/12)					14.8 (12)	13.2 (12)
1972	1614 (12)	32.6 (100.0/12)	34.2 (100.0/12)	-7.30 (100.0/12)	-7.11 (100.0/12)					15.8 (12)	13.0 (12)
1973	1152 (12)	30.2 (100.0/11)	31.4 (100.0/11)	-7.05 (100.0/11)	-6.18 (100.0/11)	-40.7 (100.0/11)	-34.3 (100.0/11)	15.8 (100.0/11)	15.2 (100.0/11)	15.7 (12)	12.8 (12)
1974	1547 (12)	27.0 (100.0/12)	26.9 (100.0/12)	-7.45 (100.0/12)	-7.72 (100.0/12)	-46.2 (100.0/12)	-45.6 (100.0/12)	13.4 (100.0/12)	16.3 (100.0/12)	15.2 (12)	12.8 (12)
1975	1543 (12)	23.1 (100.0/12)	23.2 (100.0/12)	-6.85 (100.0/12)	-7.22 (100.0/12)	-41.8 (100.0/12)	-45.2 (100.0/12)	13.1 (100.0/12)	12.6 (100.0/12)	15.6 (12)	13.2 (12)
1976	1555 (12)	15.0 (99.9/11)	15.2 (99.9/11)	-5.77 (99.9/11)	-5.79 (99.9/11)	-35.8 (99.9/11)	-35.3 (99.9/11)	10.4 (99.9/11)	11.0 (99.9/11)	15.1 (12)	12.9 (12)
1977	1450 (12)	23.7 (100.0/12)	23.4 (100.0/12)	-7.02 (100.0/12)	-6.80 (100.0/12)	-49.0 (100.0/12)	-45.2 (100.0/12)	7.2 (100.0/12)	9.3 (100.0/12)	15.9 (12)	13.5 (12)
1978	1051 (12)	25.5 (100.0/12)	24.0 (100.0/12)	-6.18 (100.0/12)	-5.86 (100.0/12)	-39.5 (100.0/12)	-36.4 (100.0/12)	10.0 (100.0/12)	10.6 (100.0/12)	16.1 (12)	13.4 (12)
1979	1467 (12)	13.6 (100.0/12)	15.1 (100.0/12)	-6.07 (100.0/12)	-6.34 (100.0/12)	-37.2 (100.0/12)	-39.3 (100.0/12)	11.4 (100.0/12)	11.4 (100.0/12)	16.9 (12)	13.8 (12)
Long Term Means 1378				-7.30	-7.10	-46.4	-43.8	11.4	12.7	15.5	13.3
σ				0.78	0.67	6.9	5.6	2.8	2.3	0.5	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	49	20	-8.95	2.41	15	-48.1	16.4	12	21.3	5.7	12	5.0	1.0	20	4.4	0.7	20
Feb	58	20	-8.69	2.24	17	-51.9	17.9	14	18.0	6.2	14	5.6	1.1	20	4.8	0.7	20
Mar	87	20	-7.23	2.61	19	-42.9	20.2	16	17.1	3.9	16	8.4	1.2	20	6.2	0.7	20
Apr	125	20	-6.42	1.56	19	-39.5	13.2	16	11.1	3.6	16	13.9	1.0	20	10.3	1.1	20
May	144	20	-5.87	1.68	19	-38.9	13.0	16	7.7	5.1	16	18.4	1.3	20	14.3	1.3	20
Jun	180	20	-7.93	1.91	19	-57.3	13.2	16	6.3	3.5	16	21.7	1.1	20	19.1	1.1	20
Jul	113	20	-6.64	2.33	19	-48.1	18.4	16	6.7	5.8	16	25.4	1.1	20	24.4	1.2	20
Aug	137	20	-6.31	2.52	17	-43.3	12.9	15	5.6	2.9	14	27.1	1.0	20	25.9	1.2	20
Sep	167	20	-6.44	2.00	19	-40.0	13.6	16	9.7	5.0	16	23.1	1.2	20	20.6	1.4	20
Oct	173	20	-7.14	1.38	19	-41.1	7.5	16	16.0	4.9	16	17.3	1.0	20	13.6	1.0	20
Nov	91	20	-6.23	1.56	19	-34.0	13.9	16	17.2	4.4	16	12.5	1.0	20	9.1	1.0	20
Dec	54	20	-7.84	2.34	18	-40.6	18.4	15	18.1	4.2	15	7.6	1.1	20	5.8	0.8	20

CORRELATIONS

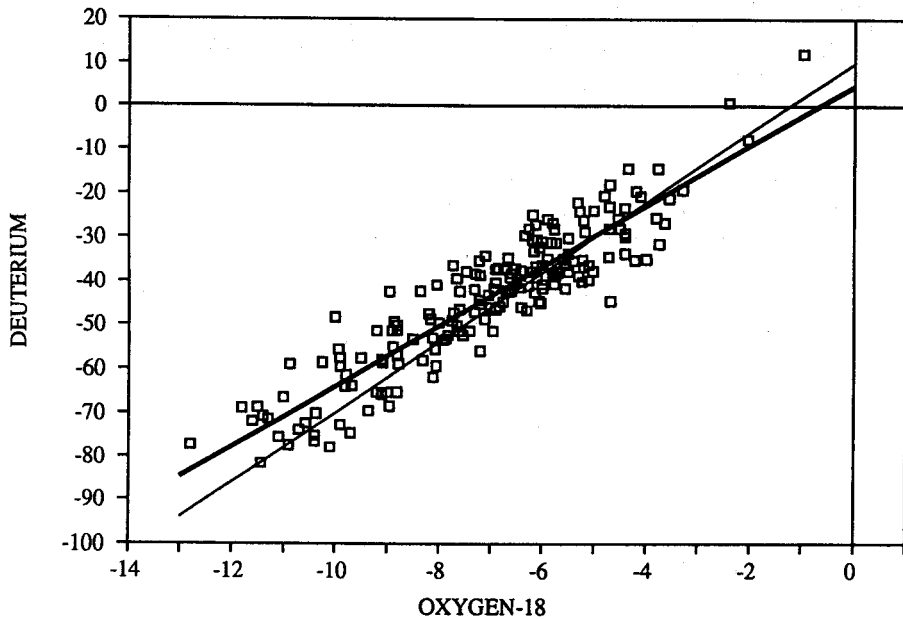
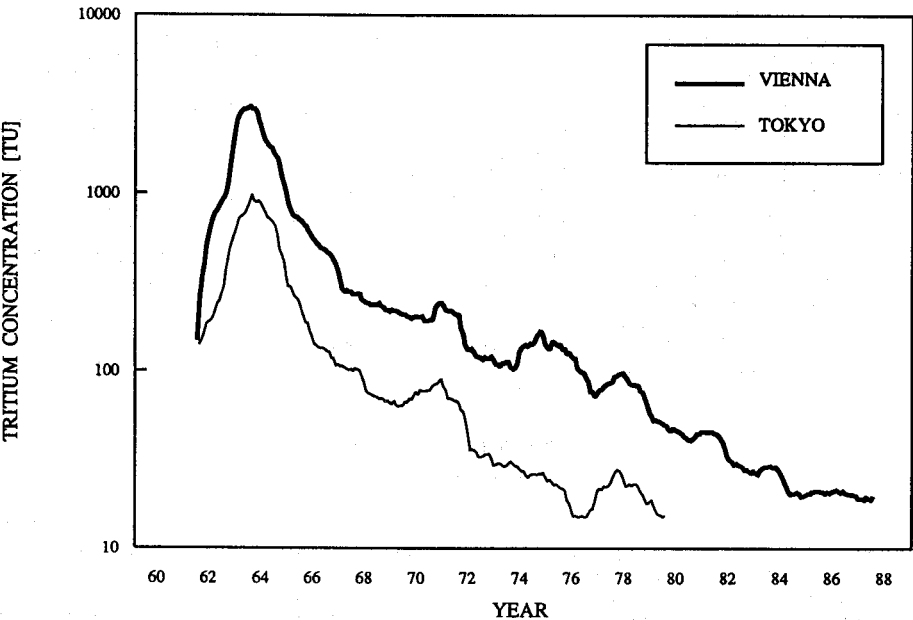
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	207	0.94	0.04	-0.41	0.08	0.775	0.25
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	19	1.07	0.07	-0.73	0.16	0.940	0.13
3) Monthly Deut vs. Monthly Precipitation	184	-0.05	0.01	-38.03	2.01	0.060	15.54
4) Monthly Oxyg-18 vs. Monthly Prec	219	-0.00	0.00	-6.68	0.26	0.017	2.21
5) Monthly Deut vs. Monthly Temperature	184	-0.02	0.16	-43.39	2.80	0.000	16.02
6) Monthly Oxyg-18 vs. Monthly Temp	219	0.08	0.02	-8.42	0.34	0.079	2.14
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	183	6.87	0.23	4.70	1.67	0.835	6.52
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	183	7.51	0.23	9.27	1.73	0.835	6.52

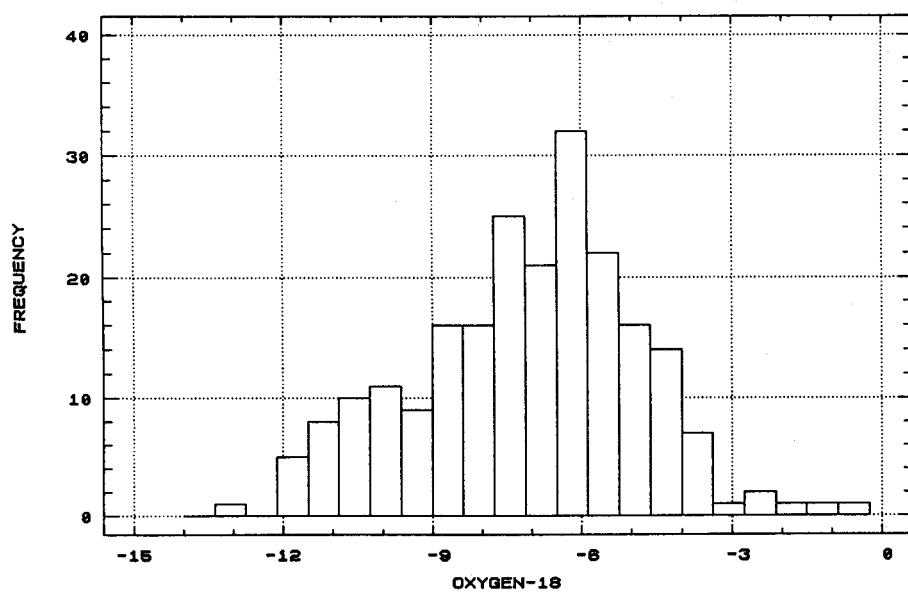
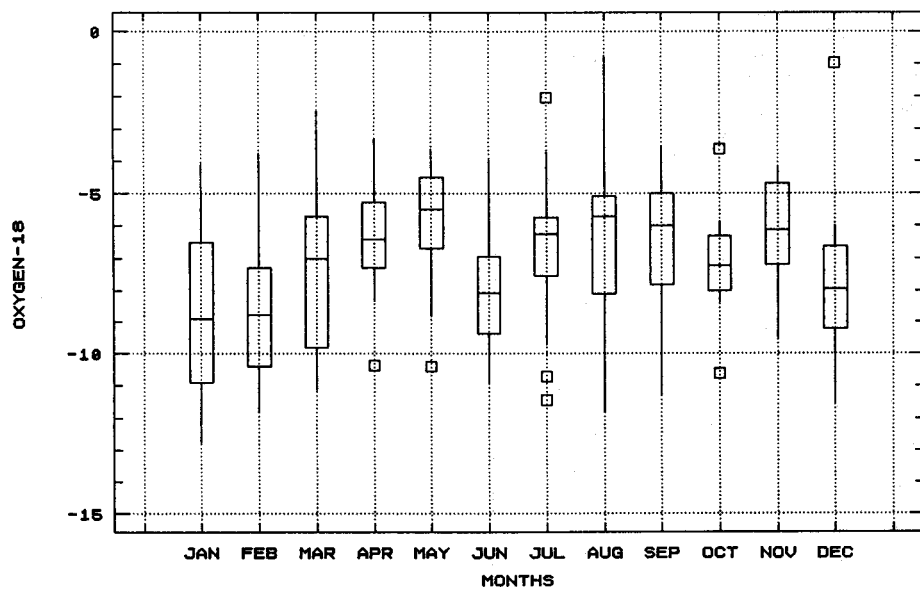
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
65 / 2	3.90	33.7		
66 / 8	-5.00	-53.3		

4766200 TOKYO, JAPAN

Lat. 35.68N Long. 139.77E Alt. 4 m a.s.l.





4845500 BANGKOK, THAILAND

Lat. 13.73N Long. 100.50E Alt. 2 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1968	1327 (12)	46.1 (62.4/5)	42.7	-7.33 (62.4/5)	-6.14	-51.9 (57.3/4)	-41.8	7.7 (57.3/4)	7.6	28.8 (12)	28.8 (12)
1969	1136 (12)	29.7 (99.8/9)	26.9	-6.10 (92.9/8)	-4.69	-38.2 (99.8/9)	-30.6	9.6 (92.9/8)	6.2	28.7 (12)	29.5 (12)
1970	1884 (12)	25.0 (99.9/11)	24.5	-6.69 (99.9/11)	-5.71	-44.0 (99.9/11)	-36.8	9.6 (99.9/11)	8.9	28.5 (12)	31.8 (12)
1971	1483 (12)	25.7 (99.7/9)	26.4	-7.31 (99.7/9)	-4.37					27.7 (12)	29.7 (12)
1972	1651 (12)	17.5 (100.0/11)	21.8	-7.17 (86.9/9)	-4.20	-29.9 (3.3/1)	-29.9	10.9 (3.3/1)	10.9	28.4 (12)	30.5 (12)
1973	1091 (12)	12.6 (100.0/10)	14.9	-6.23 (100.0/10)	-4.31	-42.1 (100.0/10)	-27.4	7.8 (100.0/10)	7.2	28.5 (12)	30.2 (12)
1974	1518 (12)	13.7 (99.9/9)	13.0	-7.27 (99.9/9)	-5.52	-49.0 (99.2/8)	-44.0	9.9 (99.2/8)	9.3	27.5 (12)	29.0 (12)
1975	1379 (12)	11.3 (99.6/10)	11.2	-7.61 (99.6/10)	-5.69	-50.5 (99.6/10)	-36.2	10.5 (99.6/10)	9.3	27.7 (12)	29.5 (12)
1976	1635 (12)	8.8 (99.8/9)	9.0	-6.47 (99.8/9)	-5.17	-45.4 (99.8/9)	-33.6	6.4 (99.8/9)	7.8	27.5 (12)	28.1 (12)
1977	1043 (12)	10.8 (100.0/12)	11.5	-4.48 (100.0/12)	-2.61					28.1 (12)	28.2 (12)
1978	1238 (12)	11.5 (99.8/9)	10.4	-6.14 (99.8/9)	-4.71	-35.1 (91.5/8)	-22.1	13.1 (91.5/8)	12.8	28.2 (12)	29.2 (12)
1979	1140 (12)	8.3 (99.3/9)	8.3	-5.33 (100.0/10)	-3.47	-35.1 (100.0/10)	-22.1	7.7 (100.0/10)	5.8	28.5 (12)	29.0 (12)
1980	1465 (12)	7.9 (100.0/9)	7.8	-6.17 (99.7/8)	-5.10	-41.4 (99.7/8)	-33.4	8.0 (99.7/8)	7.5	28.6 (12)	29.5 (12)
1981	1593 (12)	8.9 (74.1/8)	9.6	-5.71 (55.4/6)	-2.90	-38.2 (100.0/10)	-25.3	11.5 (55.4/6)	7.3	27.8 (12)	28.6 (12)
1982	1812 (9)	6.7 (100.0/10)	7.2	-4.74 (100.0/11)	-4.16	-30.2 (100.0/11)	-25.3	7.8 (100.0/11)	8.1		
1983	1777 (6)			-8.03 (100.0/9)	-5.83	-56.1 (100.0/9)	-37.5	8.1 (100.0/9)	9.2		
1984	1399 (12)	5.3 (97.4/9)	5.8	-7.42 (99.9/10)	-6.09	-49.3 (97.4/9)	-39.0	10.4 (97.4/9)	9.7	28.1 (12)	28.3 (12)
1985	1371 (12)	4.9 (100.0/11)	4.7	-6.49 (100.0/11)	-4.65	-42.6 (100.0/11)	-27.2	9.3 (100.0/11)	10.0	28.2 (12)	28.4 (12)
1986	1799 (12)	3.8 (100.0/10)	3.8	-7.19 (100.0/10)	-5.41	-50.6 (100.0/10)	-37.1	7.0 (100.0/10)	6.3	27.9 (12)	27.2 (12)
1987	1372 (12)	3.8 (84.1/8)	3.5	-6.92 (99.9/9)	-5.37	-44.8 (99.9/9)	-32.6	10.6 (99.9/9)	10.4	28.5 (12)	28.0 (12)
Long Term											
Means 1425				-6.60	-4.84	-43.6	-31.9	8.9	8.6	28.2	29.1
σ				0.97	0.89	6.9	6.4	1.7	1.8	0.4	1.0

MONTHLY MEANS

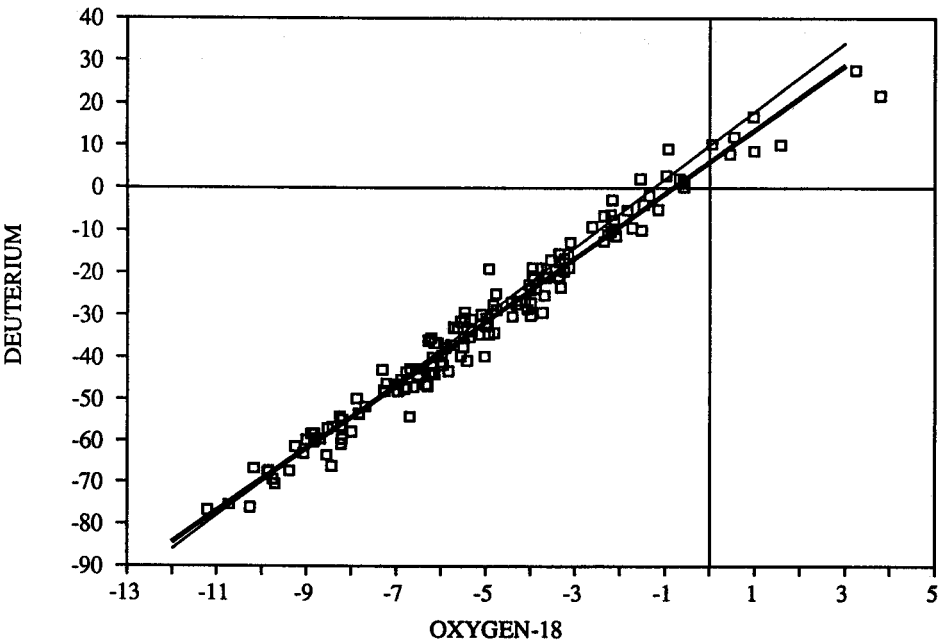
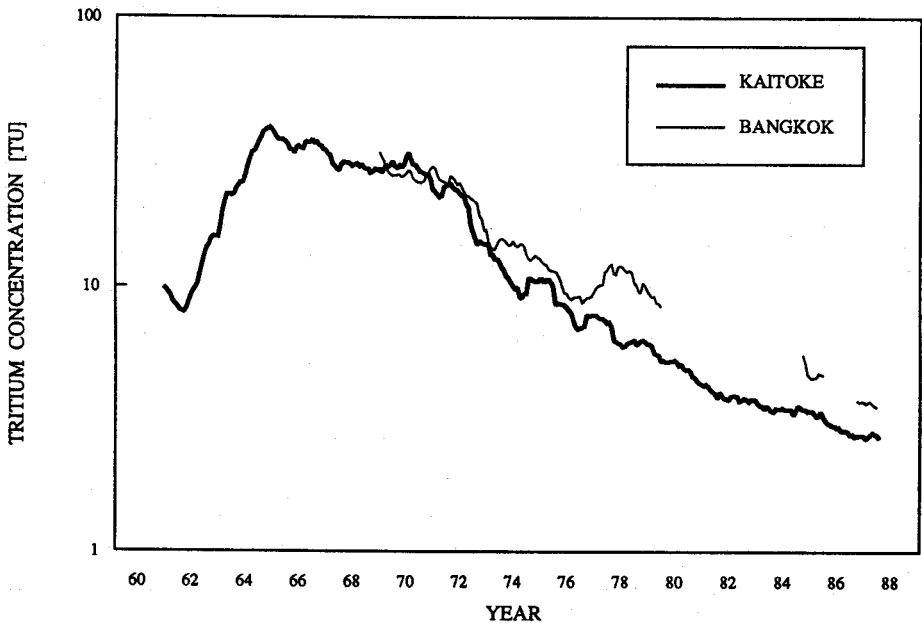
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	10	19	-2.69	2.38	6	-15.2	23.7	5	7.9	2.4	5	26.1	1.1	19	24.1	2.4	19
Feb	20	19	-0.59	1.89	12	-1.5	7.7	9	8.8	4.4	9	27.7	0.7	19	27.5	2.2	19
Mar	30	19	-0.76	3.07	14	-1.6	19.0	9	6.0	6.5	9	29.0	0.7	19	29.9	2.5	19
Apr	65	20	-2.97	2.35	16	-16.8	18.2	13	9.0	3.2	13	30.0	0.7	20	32.0	1.4	20
May	198	20	-4.88	1.79	19	-29.5	14.0	16	10.7	4.1	16	29.6	0.8	20	32.2	1.9	20
Jun	167	20	-5.24	1.52	17	-33.7	12.0	16	8.9	2.7	15	29.0	0.4	20	31.1	1.3	20
Jul	148	20	-5.35	1.42	18	-35.1	10.6	16	7.0	3.0	14	28.7	0.6	20	30.4	1.2	20
Aug	188	20	-5.75	1.87	20	-39.4	14.6	17	5.8	3.5	17	28.4	0.5	20	30.2	1.2	20
Sep	338	20	-8.46	1.42	19	-59.2	9.5	17	9.1	2.8	16	28.1	0.4	20	31.0	1.3	20
Oct	225	18	-7.98	1.84	19	-53.7	14.4	16	10.8	2.8	15	28.0	0.5	18	30.0	2.2	18
Nov	58	18	-4.38	2.56	17	-27.6	18.2	16	8.1	4.2	16	27.1	0.9	18	26.8	2.4	18
Dec	11	18	-2.72	2.94	8	-19.3	20.2	7	7.3	3.5	7	25.9	1.1	18	23.3	2.5	18

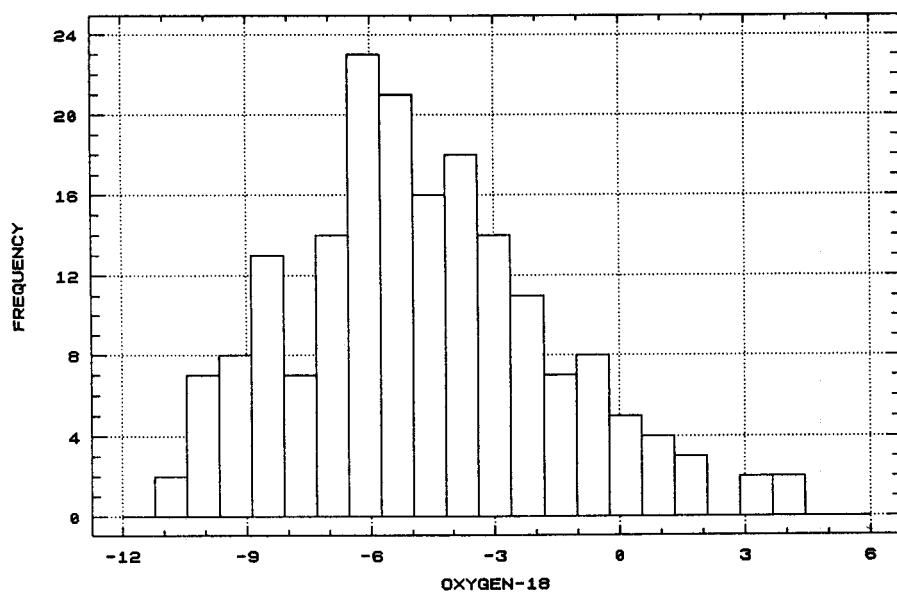
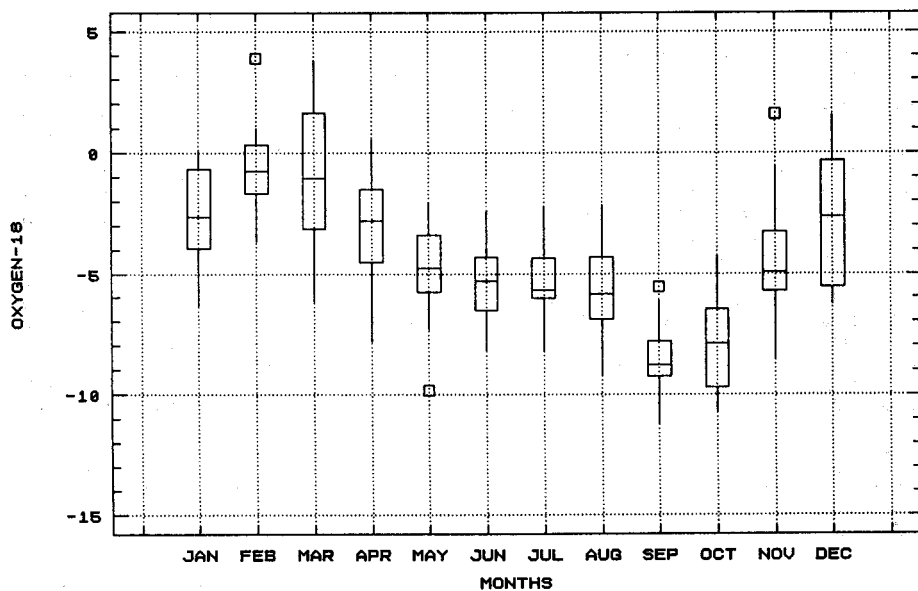
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	176	0.77	0.09	0.31	0.08	0.318	0.40
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	17	0.78	0.04	0.32	0.04	0.953	0.06
3) Monthly Deut vs. Monthly Precipitation	157	-0.12	0.01	-12.79	2.06	0.474	15.99
4) Monthly Oxyg-18 vs. Monthly Prec	185	-0.02	0.00	-2.28	0.25	0.476	2.25
5) Monthly Deut vs. Monthly Temperature	150	1.93	1.48	-86.95	42.08	0.011	21.60
6) Monthly Oxyg-18 vs. Monthly Temp	178	0.06	0.20	-6.55	5.60	0.001	3.09
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	152	7.55	0.10	6.17	0.60	0.973	3.67
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	152	7.66	0.10	6.70	0.66	0.973	3.67

4845500 BANGKOK, THAILAND

Lat. 13.73N Long. 100.50E Alt. 2 m a.s.l.





4869400 SINGAPORE (AIRPORT), SINGAPORE

Lat. 1.35N Long. 103.90E Alt. 32 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1968	2313 (12)	20.1 (53.3/6)	20.5	-7.67 (61.3/7)	-7.86	-50.7 (61.3/7)	-52.2	10.6 (61.3/7)	10.8	26.6 (12)	29.0 (12)
1969	2290 (12)	15.7 (94.5/11)	16.6	-7.38 (100.0/12)	-6.96	-44.2 (100.0/12)	-40.7	14.9 (100.0/12)	15.0	26.5 (12)	29.5 (12)
1970	2277 (12)	17.7 (100.0/12)	18.0	-7.27 (88.6/11)	-7.31					26.4 (12)	29.3 (12)
1971	1629 (12)	13.2 (100.0/12)	13.9	-7.91 (91.4/11)	-7.45					26.1 (12)	28.3 (12)
1972	1809 (12)	16.2 (100.0/12)	20.9	-6.39 (100.0/12)	-5.57	-50.4 (17.6/1)	-50.4	12.1 (17.6/1)	12.1	26.4 (12)	29.2 (12)
1973	2954 (12)	17.9 (100.0/12)	17.3	-7.45 (80.2/10)	-7.41	-46.3 (80.2/10)	-46.2	13.4 (80.2/10)	13.1	26.3 (12)	29.8 (12)
1974	2110 (12)	13.6 (100.0/12)	13.7	-7.51 (93.2/11)	-6.95	-47.8 (86.3/10)	-43.5	13.1 (86.3/10)	12.8	26.0 (12)	28.9 (12)
1975	1928 (12)	8.4 (89.9/11)	8.5	-7.53 (100.0/12)	-7.24	-47.0 (100.0/12)	-45.1	13.2 (100.0/12)	12.9	26.2 (12)	29.4 (12)
1976	2168 (12)	13.3 (100.0/12)	16.2	-6.71 (94.3/11)	-6.23					26.3 (12)	29.0 (12)
Long Term											
Means 2164				-7.26	-6.89	-46.2	-43.9	13.7	13.4	26.3	29.2
σ				0.49	0.66	1.6	2.3	0.9	1.0	0.2	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	147	9	-5.62	2.40	8	-32.0	19.9	4	11.2	0.4	4	25.5	0.5	9	27.2	1.3	9
Feb	164	9	-5.40	1.74	8	-25.8	5.6	4	12.1	2.0	4	26.0	0.5	9	27.8	0.9	9
Mar	152	9	-5.44	1.91	7	-35.7	13.8	4	10.6	1.7	4	26.4	0.4	9	28.5	0.8	9
Apr	175	9	-5.80	1.15	8	-38.3	6.9	4	12.2	1.1	4	26.6	0.6	9	30.1	0.7	9
May	151	9	-7.63	1.13	8	-51.8	5.2	4	15.4	1.3	4	27.0	0.4	9	30.5	0.4	9
Jun	147	9	-7.02	1.71	9	-43.7	11.7	5	15.8	0.7	5	26.9	0.3	9	30.0	0.5	9
Jul	151	9	-6.64	1.60	8	-46.3	10.2	5	12.3	3.8	5	26.6	0.6	9	29.4	0.4	9
Aug	157	9	-6.61	1.41	8	-44.6	10.3	4	13.2	3.9	4	26.4	0.3	9	29.5	0.5	9
Sep	205	9	-8.00	1.63	9	-51.1	17.3	5	13.8	2.8	5	26.4	0.4	9	29.4	0.3	9
Oct	207	9	-8.55	2.16	8	-59.5	12.3	5	14.1	2.6	5	26.4	0.3	9	29.4	0.5	9
Nov	240	9	-8.65	1.39	8	-57.9	9.7	4	13.3	3.6	4	25.8	0.3	9	29.1	0.6	9
Dec	270	9	-7.60	1.59	8	-48.0	17.1	4	11.4	2.4	4	25.3	0.3	9	28.6	0.5	9

CORRELATIONS

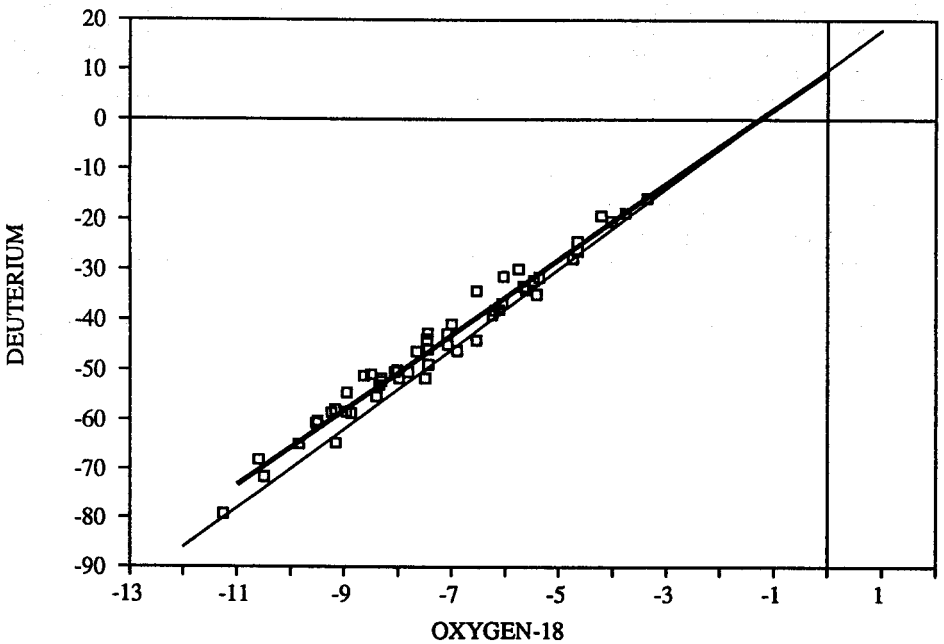
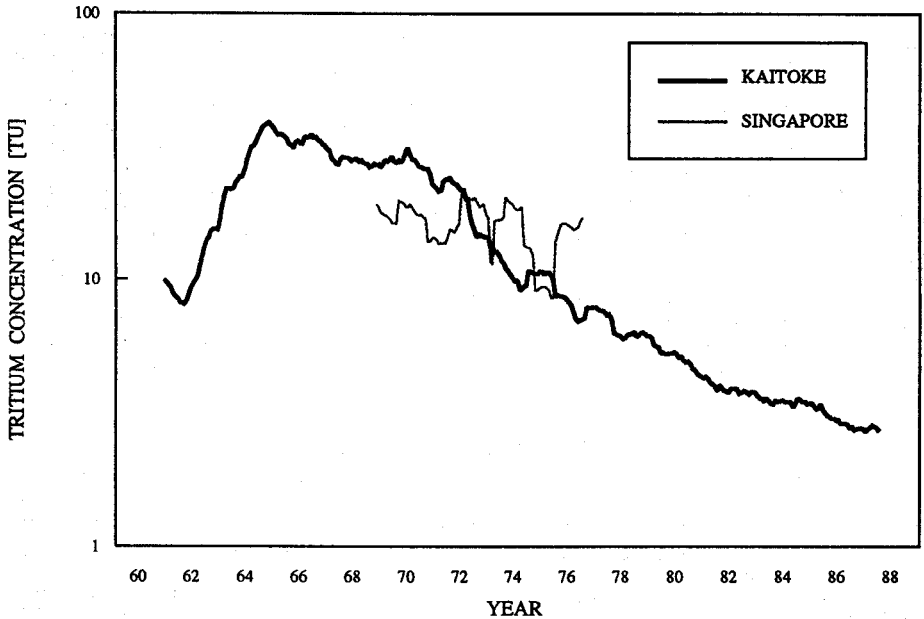
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	99	0.16	0.09	0.94	0.10	0.034	0.22
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	8	0.18	0.16	0.94	0.19	0.181	0.10
3) Monthly Deut vs. Monthly Precipitation	52	-0.04	0.02	-36.58	4.41	0.082	13.77
4) Monthly Oxyg-18 vs. Monthly Prec	97	-0.01	0.00	-5.35	0.43	0.149	1.81
5) Monthly Deut vs. Monthly Temperature	52	1.75	3.60	-90.93	94.52	0.005	14.33
6) Monthly Oxyg-18 vs. Monthly Temp	97	0.47	0.32	-19.15	8.42	0.022	1.94
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	52	7.52	0.19	9.53	1.40	0.970	2.49
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	52	7.63	0.18	10.37	1.42	0.970	2.49

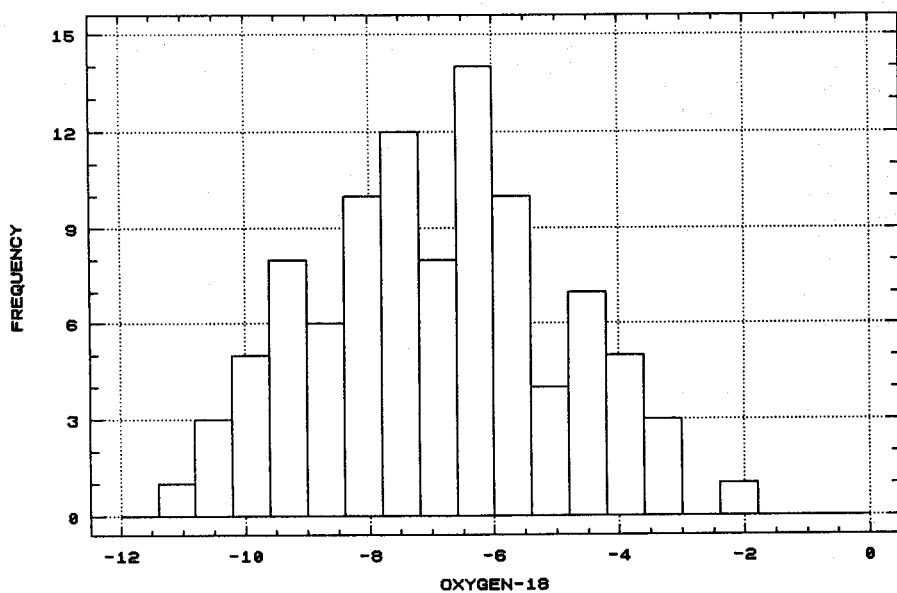
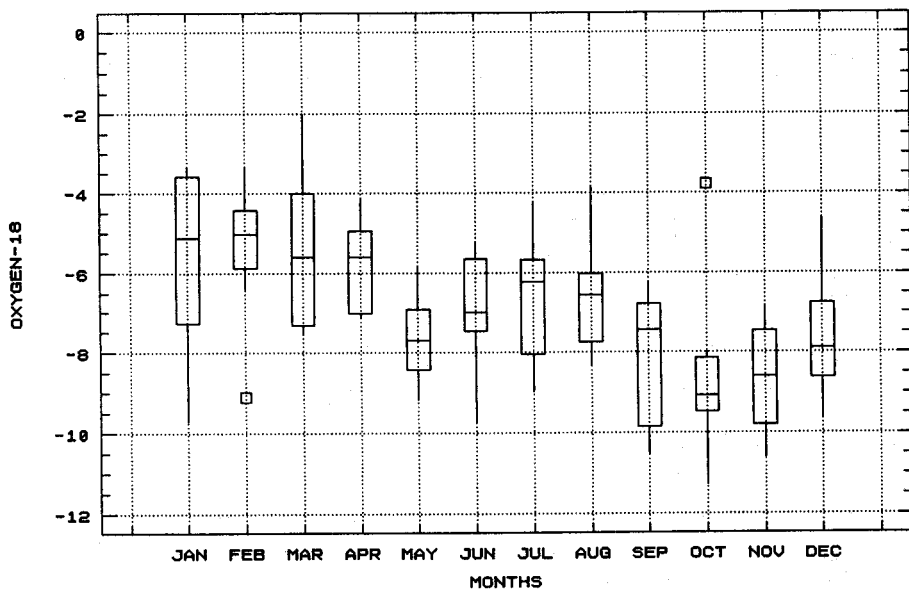
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
73 / 11	-10.83	-48.6		

4869400 SINGAPORE (AIRPORT), SINGAPORE

Lat. 1.35N Long. 103.90E Alt. 32 m a.s.l.





6071500 TUNIS (CARTHAGE), TUNISIA

Lat. 36.83N Long. 10.23E Alt. 4 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1967	344 (12)									18.9 (12)	15.3 (12)
1968	353 (12)	63.2 (36.5/4)	63.4 (36.5/4)	-4.17 (36.5/4)	-4.13 (36.5/4)	-24.9 (36.5/4)	-23.3 (36.5/4)	8.5 (36.5/4)	9.8 (36.5/4)	18.5 (12)	15.2 (12)
1969	500 (12)	76.0 (97.5/8)	86.5 (97.5/8)	-5.81 (89.3/9)	-3.74 (89.3/9)	-37.1 (89.3/9)	-22.9 (89.3/9)	9.4 (89.3/9)	7.1 (89.3/9)	17.9 (12)	15.0 (12)
1970	361 (12)	46.5 (67.3/4)	49.5 (67.3/4)	-3.95 (67.3/4)	-4.61 (67.3/4)	-25.4 (67.3/4)	-29.4 (67.3/4)	6.3 (67.3/4)	7.6 (67.3/4)	18.3 (12)	14.8 (12)
1971	484 (12)	76.9 (90.2/9)	90.5 (90.2/9)	-3.85 (98.1/9)	-3.23 (98.1/9)					18.0 (12)	14.1 (12)
1972	532 (12)	63.1 (99.0/10)	63.9 (99.0/10)	-3.83 (85.5/7)	-3.77 (85.5/7)	-27.3 (16.3/1)	-27.3 (16.3/1)	17.2 (16.3/1)	17.2 (16.3/1)	17.7 (12)	14.4 (12)
1973	764 (12)	40.5 (100.0/10)	41.3 (100.0/10)	-4.14 (96.2/9)	-2.90 (96.2/9)	-20.2 (96.2/9)	-16.1 (96.2/9)	13.0 (96.2/9)	7.1 (96.2/9)	17.9 (12)	14.8 (12)
1974	369 (12)	50.4 (98.3/10)	57.6 (98.3/10)	-4.80 (96.2/9)	-4.09 (96.2/9)	-26.3 (96.2/9)	-21.5 (96.2/9)	12.2 (96.2/9)	11.2 (96.2/9)	17.7 (12)	14.9 (12)
1975	635 (12)	42.2 (99.8/10)	50.7 (99.8/10)	-5.26 (97.7/9)	-4.17 (97.7/9)	-29.8 (97.7/9)	-22.1 (97.7/9)	12.3 (97.7/9)	11.3 (97.7/9)	17.8 (12)	14.8 (12)
1976	595 (12)	45.8 (100.0/12)	51.1 (100.0/12)	-3.87 (100.0/12)	-2.60 (100.0/12)	-20.1 (100.0/12)	-13.3 (100.0/12)	10.9 (100.0/12)	7.5 (100.0/12)	17.5 (12)	15.0 (12)
1977	361 (12)	35.8 (92.7/9)	33.5 (92.7/9)	-2.59 (64.5/7)	-1.64 (64.5/7)	-17.8 (64.5/7)	-12.3 (64.5/7)	3.0 (64.5/7)	0.8 (64.5/7)	18.7 (12)	15.2 (12)
1978	462 (12)	28.1 (99.7/9)	29.8 (99.7/9)	-2.57 (98.0/8)	-2.52 (98.0/8)	-21.2 (98.0/8)	-21.2 (98.0/8)	-0.7 (98.0/8)	-1.1 (98.0/8)	17.7 (12)	14.4 (12)
1979	519 (12)	64.3 (66.8/5)	59.2 (66.8/5)	-5.52 (99.4/8)	-5.11 (99.4/8)	-32.7 (99.4/8)	-29.5 (99.4/8)	11.5 (99.4/8)	11.4 (99.4/8)		
1980	974 (10)	42.4 (100.0/7)	41.2 (100.0/7)	-4.90 (100.0/7)	-3.31 (100.0/7)	-24.3 (100.0/7)	-19.3 (100.0/7)	15.0 (100.0/7)	7.3 (100.0/7)		
1981	294 (12)	28.9 (68.7/5)	27.6 (68.7/5)	-3.19 (68.7/5)	-2.96 (68.7/5)	-17.0 (68.7/5)	-15.1 (68.7/5)	8.6 (68.7/5)	8.6 (68.7/5)	18.1 (12)	15.4 (12)
1982	652 (10)	15.0 (100.0/9)	16.4 (100.0/9)	-4.90 (100.0/9)	-4.14 (100.0/9)	-28.4 (100.0/8)	-25.4 (100.0/8)	12.4 (100.0/8)	10.4 (100.0/8)		
1983	244 (7)	10.4 (34.9/2)	11.0 (34.9/2)	-6.20 (44.0/3)	-6.19 (44.0/3)	-36.2 (44.0/3)	-36.9 (44.0/3)	13.5 (44.0/3)	12.7 (44.0/3)		
1984	520 (12)	67.5 (60.0/3)	73.0 (60.0/3)	-5.44 (96.7/8)	-4.42 (96.7/8)	-31.0 (96.7/8)	-22.8 (96.7/8)	12.6 (96.7/8)	12.6 (96.7/8)	18.0 (12)	13.5 (12)
1985	280 (12)	37.6 (95.3/7)	35.3 (95.3/7)	-3.20 (95.3/7)	-2.41 (95.3/7)	-22.9 (95.3/7)	-18.5 (95.3/7)	2.7 (95.3/7)	0.8 (95.3/7)	18.6 (12)	16.0 (12)
1986	584 (12)	46.6 (66.7/7)	49.2 (66.7/7)	-3.97 (30.4/4)	-3.42 (30.4/4)	-28.9 (30.4/4)	-25.3 (30.4/4)	2.9 (30.4/4)	2.2 (30.4/4)	18.8 (12)	15.9 (12)
1987	403 (12)	9.7 (33.7/2)	10.2 (33.7/2)	-4.47 (93.3/7)	-3.67 (93.3/7)	-29.9 (93.3/7)	-25.6 (93.3/7)	5.9 (93.3/7)	3.9 (93.3/7)	19.1 (12)	15.7 (12)
Long Term											
Means 481				-4.54	-3.58	-26.6	-21.5	10.8	7.5	18.2	15.0
σ				0.94	0.79	5.4	4.3	4.8	4.3	0.4	0.6

MONTHLY MEANS

Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	53	21		-5.29	1.64	17	-29.4	11.8	15	11.0	3.9	15	11.2	1.0	21	10.2	1.3	21
Feb	60	21		-4.79	2.10	16	-29.2	14.5	14	8.7	5.4	14	11.9	1.0	21	10.6	0.7	21
Mar	49	21		-3.87	1.23	17	-24.3	7.7	15	6.2	6.2	15	12.9	1.1	20	11.2	0.8	20
Apr	41	20		-3.02	1.39	15	-19.3	9.6	13	6.2	7.2	13	15.2	1.2	20	12.6	1.3	20
May	25	20		-1.31	2.00	12	-12.6	10.3	11	-1.2	7.9	11	18.9	1.0	20	14.3	1.8	20
Jun	10	19		0.33	1.38	3	3.7	2.0	3	1.1	10.2	3	22.6	0.8	19	17.4	0.8	19
Jul	2	21		3.34		1	13.3		1	-13.4		1	26.1	1.2	21	20.3	1.6	21
Aug	5	21		-1.03	0.62	3	-4.7	1.0	3	3.5	4.7	3	26.6	1.1	21	21.6	2.1	21
Sep	37	21		-1.93	2.80	13	-10.4	17.9	10	4.7	7.7	10	24.1	1.0	21	20.4	1.7	21
Oct	65	19		-3.23	2.53	17	-20.1	14.4	15	8.3	8.0	15	20.1	1.5	18	17.1	1.6	18
Nov	96	20		-4.57	1.63	15	-27.7	9.0	14	10.9	6.7	14	15.6	1.3	19	13.2	1.4	19
Dec	59	19		-4.52	1.64	16	-24.0	11.6	15	11.8	6.2	15	12.5	1.2	19	11.3	0.8	19

CORRELATIONS

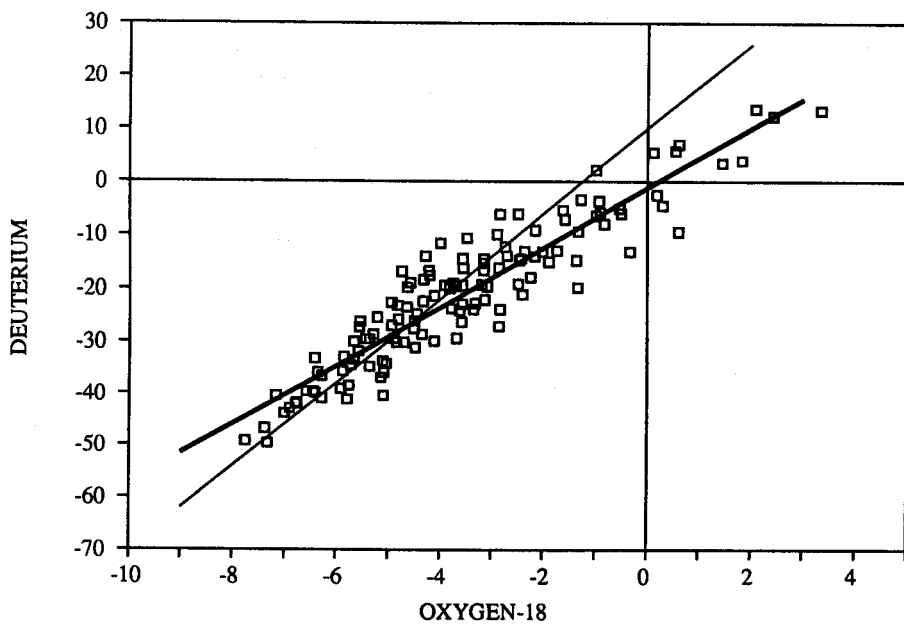
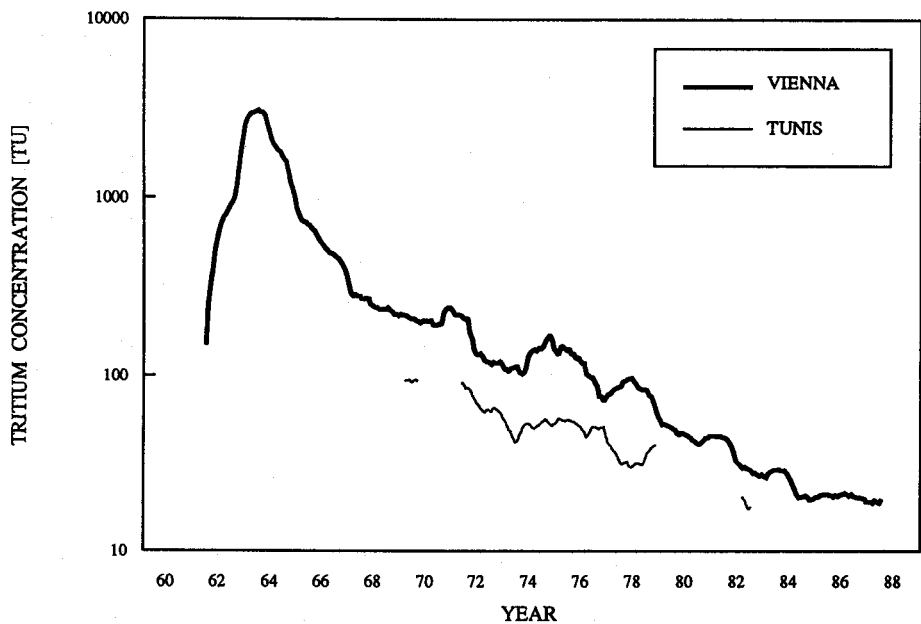
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	138	0.37	0.05	0.96	0.09	0.285	0.22
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	0.41	0.13	0.81	0.26	0.494	0.14
3) Monthly Deut vs. Monthly Precipitation	129	-0.06	0.02	-17.94	1.53	0.086	13.43
4) Monthly Oxyg-18 vs. Monthly Prec	145	-0.01	0.00	-2.87	0.24	0.111	2.23
5) Monthly Deut vs. Monthly Temperature	124	1.54	0.25	-45.19	4.10	0.236	12.41
6) Monthly Oxyg-18 vs. Monthly Temp	140	0.28	0.04	-7.86	0.63	0.278	2.02
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	129	5.58	0.19	-1.31	0.81	0.871	5.04
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	129	5.98	0.19	0.11	0.92	0.871	5.04

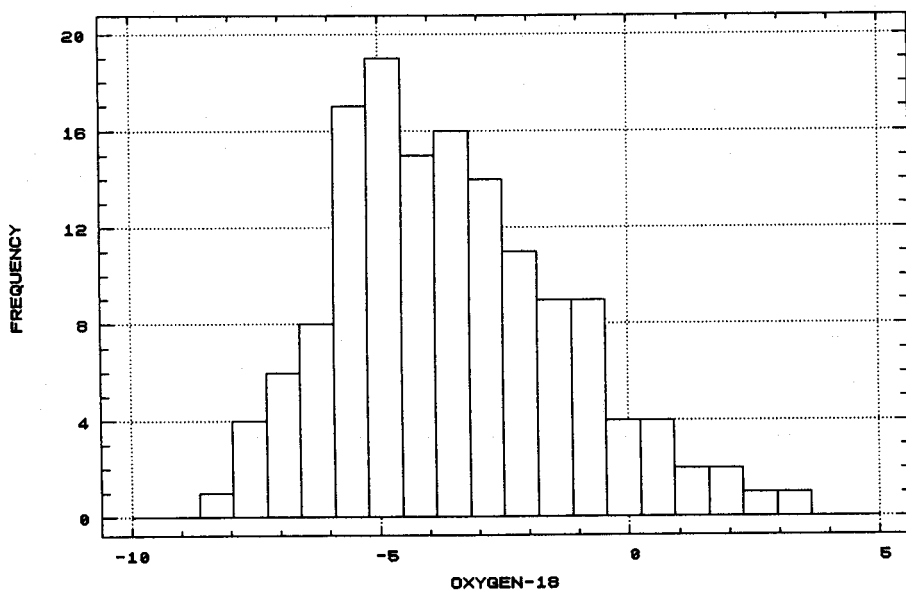
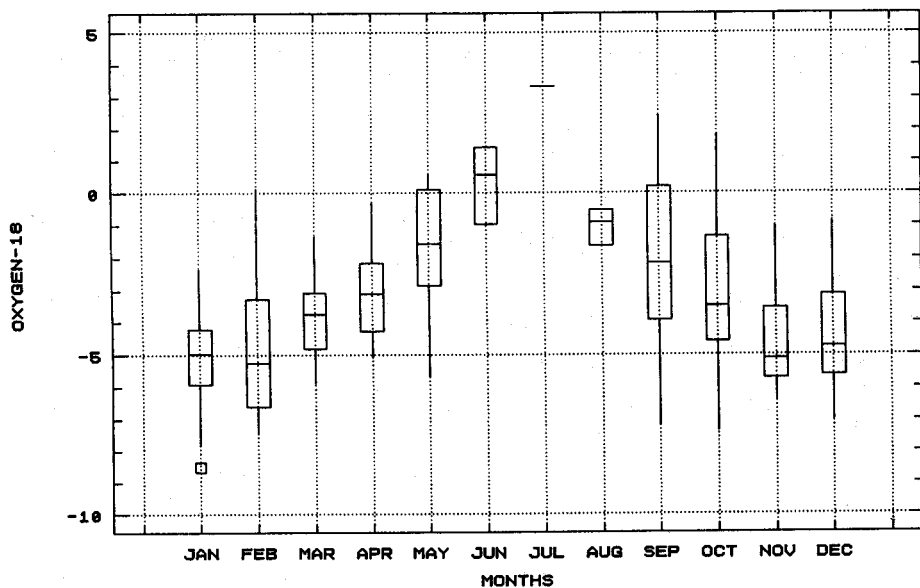
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
68 / 9	0.28	-23.8		
71 / 6	5.67			
72 / 5	6.80			
72 / 6	11.69			
73 / 4	-2.52	5.2		
74 / 6	8.80	34.6		
75 / 8	4.28	18.6		
77 / 6	8.04	37.3		
78 / 9	4.47	18.3		

6071500 TUNIS (CARTHAGE), TUNISIA

Lat. 36.83N Long. 10.23E Alt. 4 m a.s.l.





6129000 BAMAKO, MALI

Lat. 12.63N Long. 8.03W Alt. 329 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	1130 (12)			-5.19 (92.0/7)	-3.63 (92.0/7)	-37.1 (92.0/7)	-25.7 (92.0/7)	4.5 (92.0/7)	3.4 (92.0/7)	27.2 (12)	18.6 (12)
1963	932 (12)	674.7 (21.4/2)	788.5 (99.7/7)	-6.42 (99.7/7)	-4.25 (99.7/7)	-42.9 (99.7/7)	-29.3 (99.7/7)	8.6 (99.7/7)	4.8 (99.7/7)	27.7 (12)	19.1 (12)
1964	1251 (12)	708.6 (99.9/7)	702.8 (99.9/7)	-6.69 (99.9/7)	-4.39 (99.9/7)	-47.9 (99.9/7)	-30.0 (99.9/7)	5.6 (99.9/7)	5.2 (99.9/7)	27.3 (12)	18.6 (12)
1965	958 (12)	324.8 (99.8/6)	330.7 (99.8/6)	-3.52 (77.2/6)	-1.45 (77.2/6)	-29.2 (49.6/5)	-6.7 (49.6/5)	10.2 (49.6/5)	5.7 (49.6/5)	27.0 (12)	17.6 (12)
1966	1305 (12)	231.0 (89.5/5)	300.0 (99.0/7)	-2.20 (99.0/7)	-0.58 (99.0/7)	-19.3 (99.0/7)	-6.2 (99.0/7)	-1.7 (99.0/7)	-1.6 (99.0/7)	27.5 (12)	19.3 (12)
1967	1499 (12)	122.4 (100.0/10)	117.9 (97.7/9)	-4.78 (97.7/9)	-1.23 (97.7/9)	-26.4 (96.7/8)	-9.4 (96.7/8)	12.5 (96.7/8)	4.8 (96.7/8)	26.8 (12)	19.4 (12)
1968	958 (12)	109.3 (99.8/8)	109.2 (99.8/8)	-3.64 (91.0/8)	0.15 (91.0/8)	-22.3 (91.0/8)	-0.4 (91.0/8)	6.9 (91.0/8)	-1.5 (91.0/8)	27.1 (12)	20.2 (12)
1969	968 (12)	101.2 (100.0/8)	99.8 (71.4/7)	-1.09 (71.4/7)	1.31 (71.4/7)	-11.7 (71.4/7)	4.1 (71.4/7)	-3.1 (71.4/7)	-6.5 (71.4/7)	27.8 (12)	19.1 (12)
1970	850 (12)	99.5 (45.8/4)	99.5 (86.4/5)	-5.05 (86.4/5)	-2.86 (86.4/5)	-34.4 (86.4/5)	-21.5 (86.4/5)	6.0 (86.4/5)	1.5 (86.4/5)	27.6 (12)	18.3 (12)
1971	1043 (12)	102.8 (99.0/8)	96.2 (99.0/8)	-4.34 (99.0/8)	0.96 (99.0/8)	-38.4 (70.5/7)	8.7 (70.5/7)	2.4 (70.5/7)	-2.9 (70.5/7)	27.8 (12)	18.3 (12)
1972	728 (12)	86.0 (100.0/8)	81.0 (77.3/5)	-0.34 (77.3/5)	1.83 (77.3/5)					27.5 (12)	19.2 (12)
1973	869 (12)	56.9 (100.0/6)	58.0 (100.0/6)	-2.14 (100.0/6)	-0.17 (100.0/6)	-17.1 (100.0/6)	-2.3 (100.0/6)	0.1 (100.0/6)	-1.0 (100.0/6)	28.1 (12)	18.2 (12)
1974	1233 (12)	54.2 (100.0/7)	56.9 (100.0/7)	-5.36 (100.0/7)	-2.00 (100.0/7)	-34.0 (100.0/7)	-11.7 (100.0/7)	8.9 (100.0/7)	4.4 (100.0/7)	27.5 (12)	17.3 (12)
1975	905 (12)	49.5 (99.1/8)	50.9 (99.1/8)	-6.43 (92.1/6)	-3.66 (92.1/6)	-41.1 (92.1/6)	-19.6 (92.1/6)	10.4 (92.1/6)	9.7 (92.1/6)	27.5 (12)	17.0 (12)
1976	1077 (12)	45.5 (100.0/7)	48.0 (100.0/7)	-4.21 (100.0/7)	-2.98 (100.0/7)	-23.9 (100.0/7)	-14.3 (100.0/7)	9.8 (100.0/7)	9.6 (100.0/7)	27.0 (12)	17.5 (12)
1977	933 (12)									27.9 (12)	16.5 (12)
1978	957 (12)	28.0 (69.5/4)	27.7 (79.6/5)	-4.12 (79.6/5)	-3.93 (79.6/5)	-20.5 (79.6/5)	-19.4 (79.6/5)	12.6 (79.6/5)	12.1 (79.6/5)	27.8 (12)	17.5 (12)
1979	936 (12)	47.2 (46.3/3)	43.7 (72.7/4)	-3.29 (72.7/4)	-3.51 (72.7/4)	-19.4 (72.7/4)	-20.1 (72.7/4)	7.0 (72.7/4)	8.0 (72.7/4)	28.1 (12)	18.4 (12)
1980	790 (12)									28.6 (12)	18.5 (12)
1981	690 (12)									28.2 (12)	18.3 (12)
1982	77 (3)										
1983	77 (6)										
Long Term											
Means 917											
				-4.44	-1.88	-30.7	-15.8	7.0	4.3	27.6	18.4
σ				1.76	1.99	10.3	10.0	4.4	4.4	0.4	0.9

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	0	21										24.8	1.3	21	8.4	1.5	21
Feb	0	21	8.22	2.13	3	41.2	21.6	3	-24.5	10.4	3	27.8	0.8	21	8.4	1.9	21
Mar	4	21	4.78	3.25	5	22.3	9.4	4	-8.2	14.5	4	30.2	0.8	21	10.4	2.1	21
Apr	27	21	2.80	2.34	10	20.2	17.3	8	-3.7	6.8	8	31.6	1.0	21	16.3	2.8	21
May	52	21	0.89	2.89	12	9.0	19.0	12	1.9	6.8	12	30.9	0.8	21	22.4	1.7	21
Jun	121	21	-2.31	2.07	16	-9.7	13.8	16	8.7	5.6	16	28.8	0.9	21	25.4	1.3	21
Jul	225	20	-4.81	2.60	16	-35.8	18.1	14	7.6	4.3	14	26.4	0.6	20	26.3	0.8	20
Aug	280	20	-6.35	2.52	16	-44.6	17.3	15	8.2	5.5	15	25.8	0.4	20	26.8	0.7	20
Sep	200	20	-2.79	2.63	16	-22.8	13.2	14	2.4	9.4	14	26.3	0.6	20	26.4	0.8	20
Oct	79	21	-2.15	3.58	12	-14.8	20.5	12	2.3	10.7	12	27.3	0.8	21	23.8	1.7	21
Nov	4	21	2.70	2.86	4	19.7	21.9	4	-1.9	4.8	4	26.3	0.8	21	14.6	2.5	21
Dec	1	21	-0.30		1	6.8		1	9.2		1	24.6	1.0	21	10.1	1.8	21

CORRELATIONS

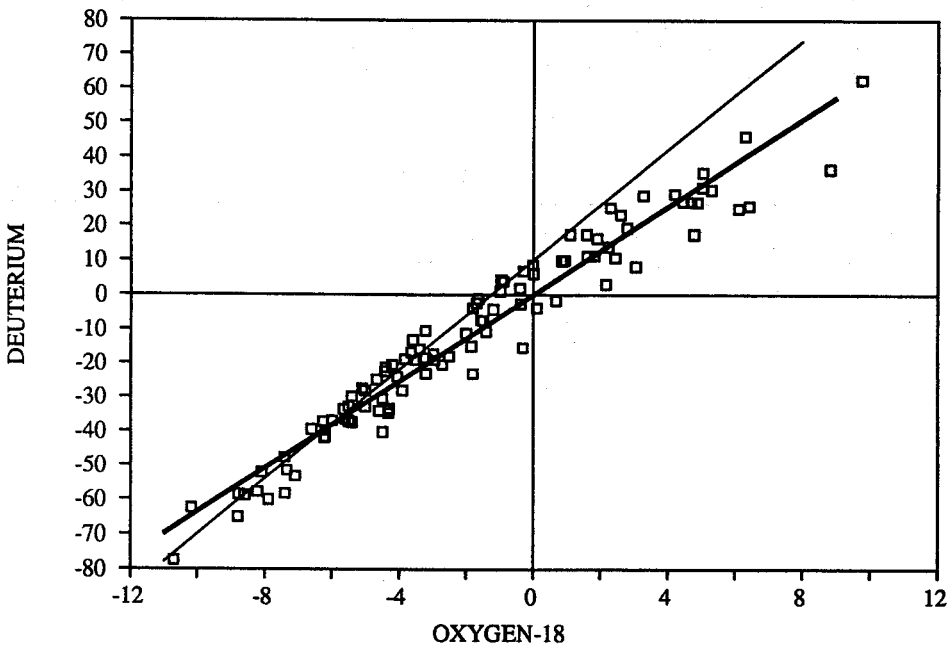
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	97	0.79	0.04	0.12	0.10	0.783	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	0.95	0.05	-0.23	0.12	0.972	0.06
3) Monthly Deut vs. Monthly Precipitation	103	-0.18	0.02	13.68	2.97	0.557	19.12
4) Monthly Oxyg-18 vs. Monthly Prec	111	-0.03	0.00	2.13	0.46	0.513	3.07
5) Monthly Deut vs. Monthly Temperature	103	8.66	1.06	-252.42	29.36	0.400	22.24
6) Monthly Oxyg-18 vs. Monthly Temp	111	1.25	0.16	-36.54	4.49	0.358	3.52
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	103	6.36	0.15	-0.03	0.71	0.947	6.62
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	103	6.54	0.15	0.31	0.96	0.947	6.62

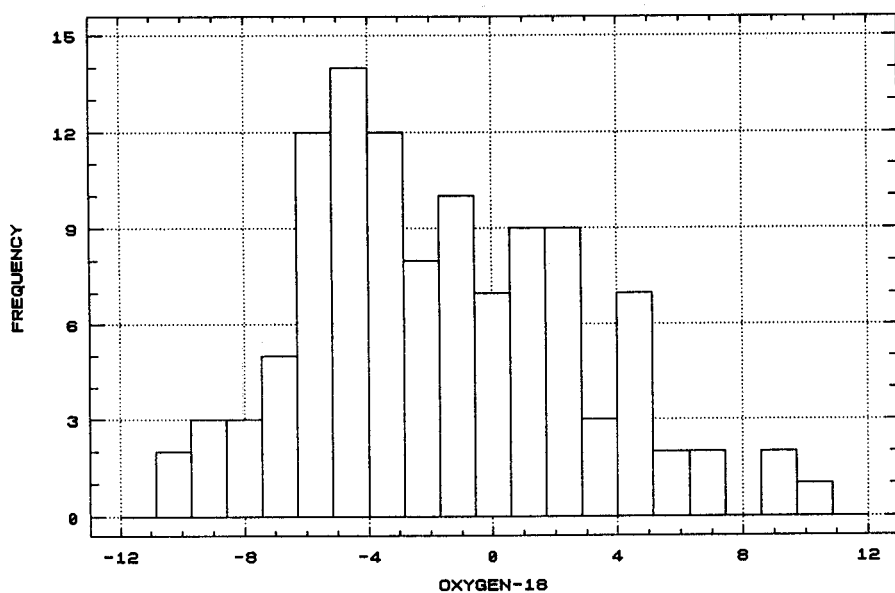
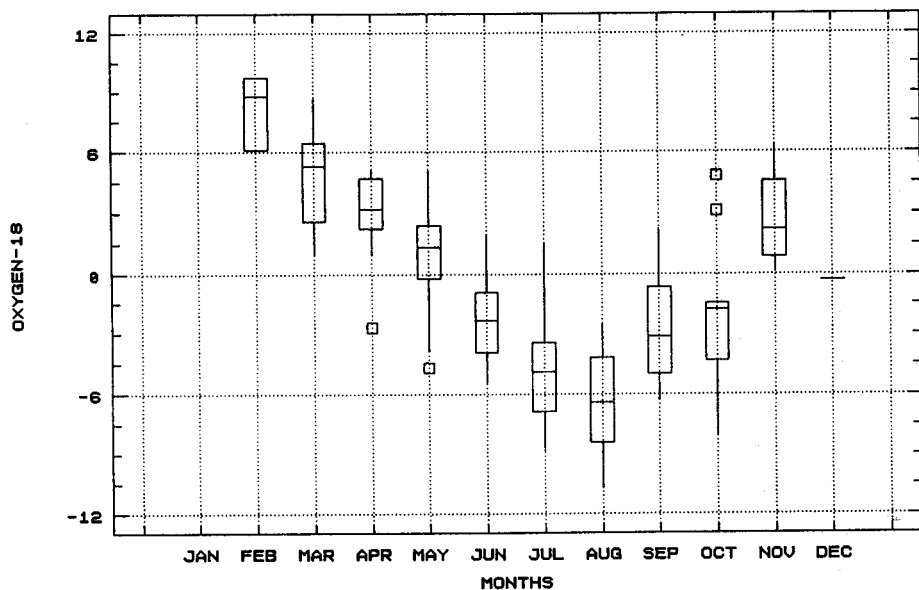
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
67	/ 11	-2.39	17.0		
68	/ 10	3.23	-41.3		
69	/ 8	-5.37	42.6		
71	/ 10	18.92	81.2		

6129000 BAMAKO, MALI

Lat. 12.63N Long. 8.03W Alt. 329 m a.s.l.





6190000 ASCENSION ISLAND (ATLANTIC OC.), UK

Lat. 7.92S Long. 14.42W Alt. 15 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	238 (12)			1.00 (4.2/1)	1.00	17.4 (4.2/1)	17.4	9.4 (4.2/1)	9.4	26.1 (12)	23.4 (12)
1962	98 (12)	13.9 (29.5/4)	11.2	0.35 (100.0/12)	0.63	9.1 (100.0/12)	9.8	6.3 (100.0/12)	4.8	26.0 (12)	22.5 (12)
1963	332 (12)	23.9 (99.6/11)	13.0	-2.19 (95.7/11)	-0.36	-4.3 (95.7/11)	7.4	13.3 (95.7/11)	10.3	26.5 (12)	23.3 (12)
1964	242 (12)	14.8 (97.5/8)	14.0	-0.53 (100.0/11)	0.34	2.3 (100.0/11)	9.5	6.5 (100.0/11)	6.9	26.4 (12)	22.9 (12)
1965	117 (12)	12.4 (97.4/9)	12.8	-0.34 (100.0/11)	0.34	4.1 (100.0/11)	9.7	6.8 (100.0/11)	7.0	25.9 (12)	23.0 (12)
1966	83 (12)	11.4 (96.3/9)	11.1							26.3 (12)	
1967	584 (12)	9.0 (95.2/6)	8.7								
1968	623 (12)	7.7 (100.0/10)	8.0								
1969	484 (12)	6.9 (96.2/9)	6.8							24.4 (12)	19.3 (12)
1970	105 (12)	8.4 (87.6/6)	7.5							24.5 (12)	
1972	107 (12)	8.9 (40.1/1)	8.9							25.4 (12)	21.6 (12)
1973	56 (12)	4.1 (37.5/5)	3.5	1.32 (46.4/7)	1.41	13.4 (50.0/8)	14.6	2.5 (46.4/7)	2.7	23.4 (12)	20.6 (12)
1974	216 (12)	4.8 (91.6/7)	6.7	0.43 (93.5/9)	0.53	7.1 (93.5/9)	11.3	3.7 (93.5/9)	7.1		
1975	144 (12)	4.7 (80.5/6)	5.4	-0.02 (71.5/6)	0.51	10.6 (71.5/6)	12.8	10.7 (71.5/6)	8.8		
1976	139 (12)	8.9 (79.1/4)	12.9	-0.76 (80.5/5)	0.25	6.2 (80.5/5)	12.1	12.2 (80.5/5)	10.2		
Long Term											
Means 238											
σ											
				-0.76	0.29	2.5	10.0	8.6	7.7	25.5	22.1
				0.99	0.34	5.0	1.6	3.8	2.1	1.0	1.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	7	15	0.47	0.86	7	9.4	2.7	7	5.6	5.9	7	26.1	1.4	13	22.6	2.0	12
Feb	10	15	0.21	1.15	5	7.3	10.2	6	3.3	5.2	5	26.8	0.9	12	24.0	1.2	12
Mar	79	15	-0.60	1.54	7	1.9	7.3	7	6.7	6.5	7	27.5	0.8	12	24.9	1.6	12
Apr	31	15	0.03	1.28	7	5.5	8.3	7	5.3	4.5	7	27.1	1.5	12	25.0	1.9	12
May	19	15	0.40	0.89	5	10.1	6.3	5	6.8	6.5	5	25.7	4.0	12	23.4	2.0	12
Jun	18	15	0.53	0.66	5	12.7	6.9	5	8.5	3.2	5	24.8	3.1	12	21.4	2.0	12
Jul	21	15	0.23	0.55	6	13.4	4.6	6	11.5	4.1	6	25.1	0.9	12	20.9	1.1	11
Aug	14	15	0.40	0.78	6	13.2	3.5	6	10.0	5.3	6	24.6	0.7	12	20.0	1.4	11
Sep	12	15	0.63	0.32	6	10.0	4.0	6	4.9	4.8	6	24.2	1.0	12	20.5	1.8	11
Oct	16	15	0.79	0.42	6	15.0	3.6	6	8.7	4.6	6	24.0	1.0	11	20.5	2.0	10
Nov	5	15	1.19	0.93	6	16.6	3.1	6	7.1	4.9	6	24.7	1.1	10	20.9	1.2	9
Dec	5	15	0.90	0.24	7	13.7	7.0	7	6.6	5.3	7	24.9	1.3	10	22.4	2.4	8

CORRELATIONS

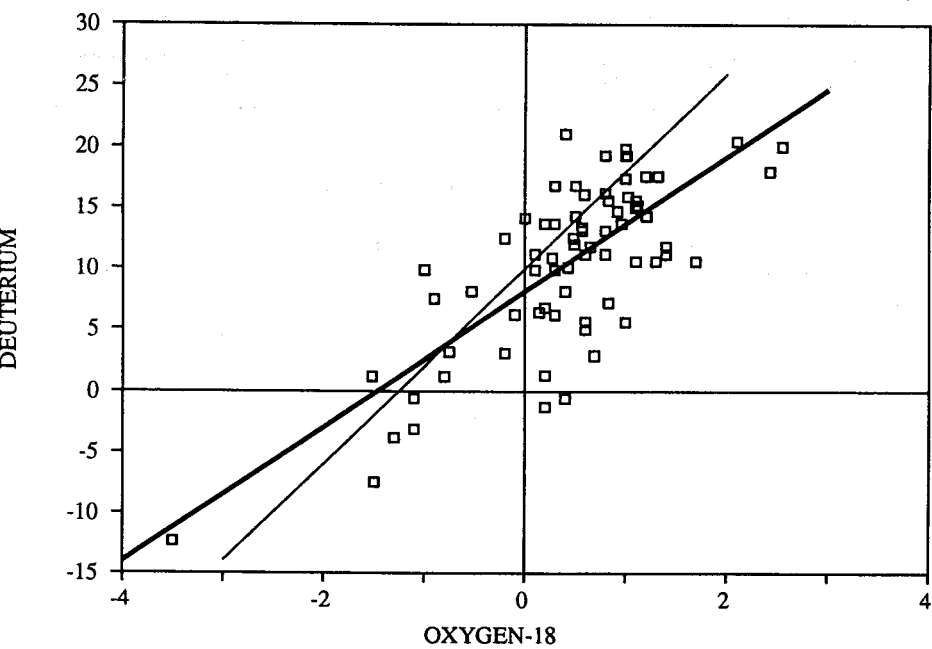
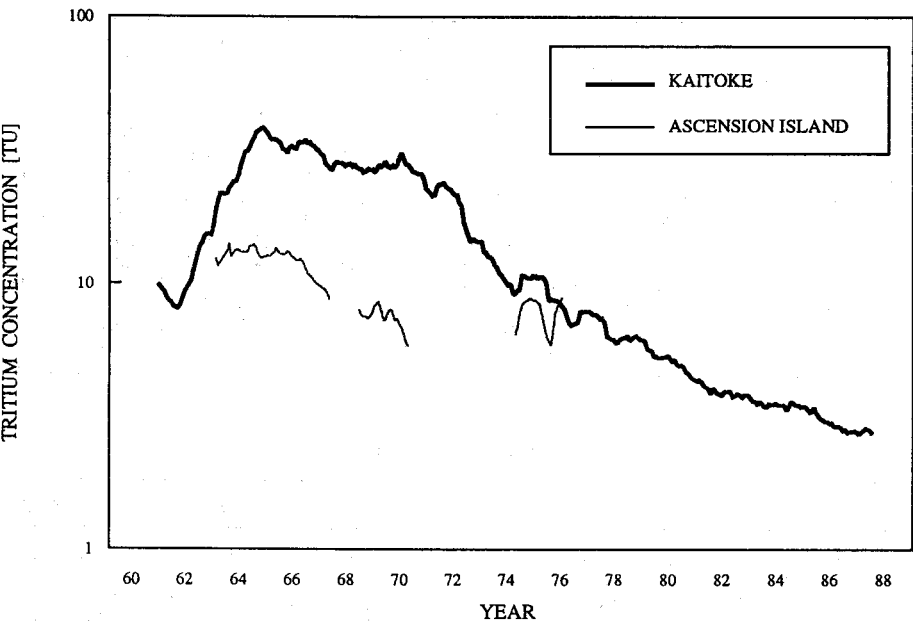
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	94	0.55	0.34	0.06	0.45	0.028	0.91
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	11	0.39	0.23	0.44	0.31	0.252	0.19
3) Monthly Deut vs. Monthly Precipitation	74	-0.15	0.02	13.06	0.76	0.367	5.60
4) Monthly Oxyg-18 vs. Monthly Prec	73	-0.02	0.00	0.80	0.09	0.466	0.69
5) Monthly Deut vs. Monthly Temperature	62	-0.97	0.34	35.13	8.80	0.120	6.88
6) Monthly Oxyg-18 vs. Monthly Temp	61	-0.12	0.05	3.62	1.18	0.112	0.92
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	73	5.54	0.59	8.11	0.60	0.556	4.67
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	73	7.43	0.58	7.31	0.83	0.556	4.67

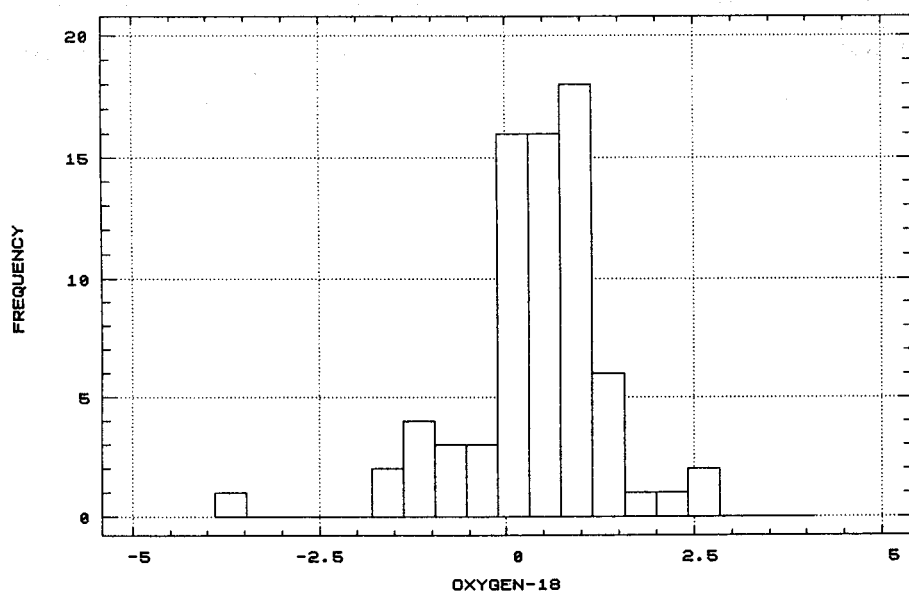
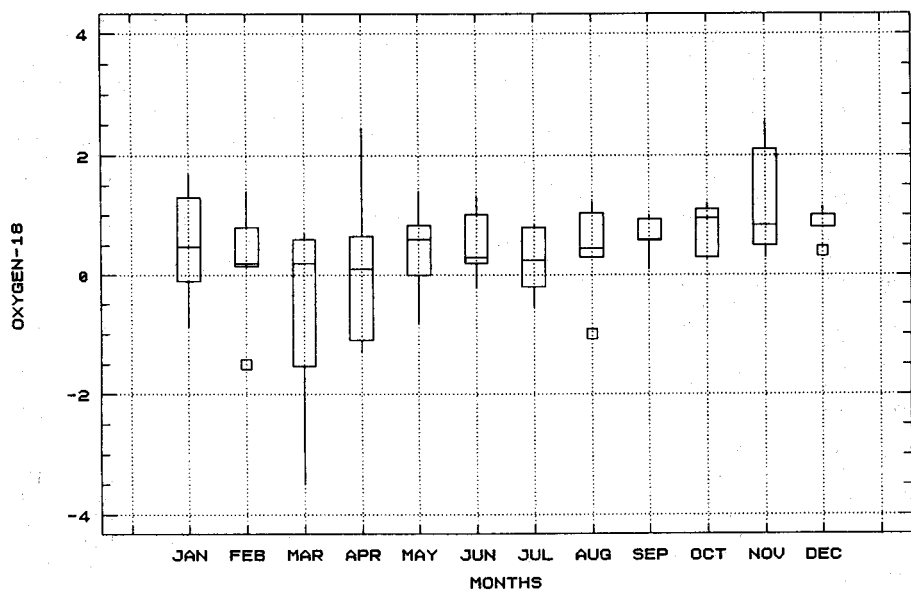
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
67 / 2		111.00	8.0	

6190000 ASCENSION ISLAND (ATLANTIC OC.), UK

Lat. 7.92S Long. 14.42W Alt. 15 m a.s.l.





6190100 ST. HELENA (ATLANTIC OC.), UK

Lat. 15.97S Long. 5.70W Alt. 604 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	781 (12)	5.0 (67.0/8)	5.4	-1.47 (67.0/8)	-1.40	-0.6 (67.0/8)	-0.8	11.2 (67.0/8)	10.5	16.4 (12)	16.0 (12)
1963	1056 (12)	5.9 (44.2/4)	5.9	-1.49 (88.1/10)	-1.38	1.0 (88.1/10)	1.4	12.9 (88.1/10)	12.5	17.0 (12)	16.7 (12)
1964	787 (12)	9.3 (100.0/12)	9.5	-1.25 (100.0/12)	-0.94	2.9 (96.8/11)	4.1	13.2 (96.8/11)	12.2	16.6 (12)	16.0 (12)
1965	901 (12)	8.6 (99.3/11)	9.4	-1.62 (100.0/12)	-1.54	2.3 (92.5/11)	3.6	15.3 (92.5/11)	15.9	16.7 (12)	16.5 (12)
1966	904 (12)	8.1 (100.0/12)	8.3	-1.78 (21.3/2)	-1.78					16.8 (12)	
1967	964 (12)	9.3 (100.0/12)	10.7							16.1 (12)	16.4 (12)
1968	873 (12)	7.2 (79.2/10)	7.8							17.2 (12)	17.7 (12)
1969	769 (12)	9.4 (85.6/10)	10.4							17.4 (12)	16.7 (12)
1970	641 (12)	9.9 (100.0/12)	9.7							15.7 (12)	16.5 (12)
1971	848 (12)	6.9 (100.0/12)	7.4							16.4 (12)	16.3 (12)
1972	770 (12)	6.1 (100.0/12)	6.4	-1.56 (5.9/1)	-1.56	1.6 (5.9/1)	1.6	14.1 (5.9/1)	14.1	17.9 (12)	16.9 (12)
1973	1419 (12)	5.2 (100.0/12)	5.1	-1.14 (69.4/11)	-1.28	4.7 (69.4/11)	4.3	13.8 (69.4/11)	14.5	18.5 (12)	17.0 (12)
1974	1050 (12)	4.6 (100.0/12)	4.9	-1.44 (100.0/12)	-1.40	1.5 (84.6/10)	2.0	14.2 (84.6/10)	14.3	16.8 (12)	16.5 (12)
1975	732 (12)	4.4 (100.0/12)	4.1	-1.26 (100.0/12)	-1.27	4.8 (100.0/12)	4.3	14.8 (100.0/12)	14.5	16.7 (12)	16.2 (12)
Long Term Means 893				-1.42	-1.31	2.4	3.1	14.1	13.9	16.9	16.6
σ				0.16	0.22	1.5	1.3	1.0	1.5	0.7	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	64	14	-1.16	0.44	7	3.2	2.0	6	11.7	1.1	6	18.1	0.8	14	17.7	0.7	14
Feb	77	14	-1.57	0.44	6	2.2	3.4	6	14.7	4.1	6	19.4	0.8	14	18.8	0.9	14
Mar	102	14	-1.32	0.43	6	1.1	2.8	6	11.7	4.2	6	19.2	1.1	14	19.3	0.6	14
Apr	64	14	-1.43	0.87	6	0.9	3.3	6	12.4	4.8	6	18.8	1.9	14	18.7	0.9	14
May	78	14	-1.45	0.20	7	4.0	5.1	7	15.6	4.9	7	17.7	0.8	14	17.1	0.5	14
Jun	93	14	-1.71	0.64	7	1.5	3.5	6	16.9	4.0	6	16.3	0.8	14	15.7	0.6	14
Jul	101	14	-1.63	0.21	8	2.7	2.6	7	15.6	3.2	7	15.2	0.7	14	14.9	0.5	14
Aug	80	14	-1.63	0.37	6	3.5	3.8	6	16.5	3.4	6	14.5	0.8	14	14.6	0.8	14
Sep	62	14	-1.08	0.32	6	4.3	2.7	6	12.9	2.1	6	14.5	0.8	14	14.7	0.8	14
Oct	52	14	-1.10	0.33	7	4.4	4.5	7	13.2	3.9	7	14.9	1.5	14	14.8	0.9	14
Nov	53	14	-0.77	0.38	7	4.0	2.5	6	11.2	2.5	6	16.0	1.4	14	15.4	0.9	14
Dec	66	14	-1.04	0.44	7	1.8	4.1	5	9.5	3.5	5	17.2	1.5	14	16.4	1.0	13

CORRELATIONS

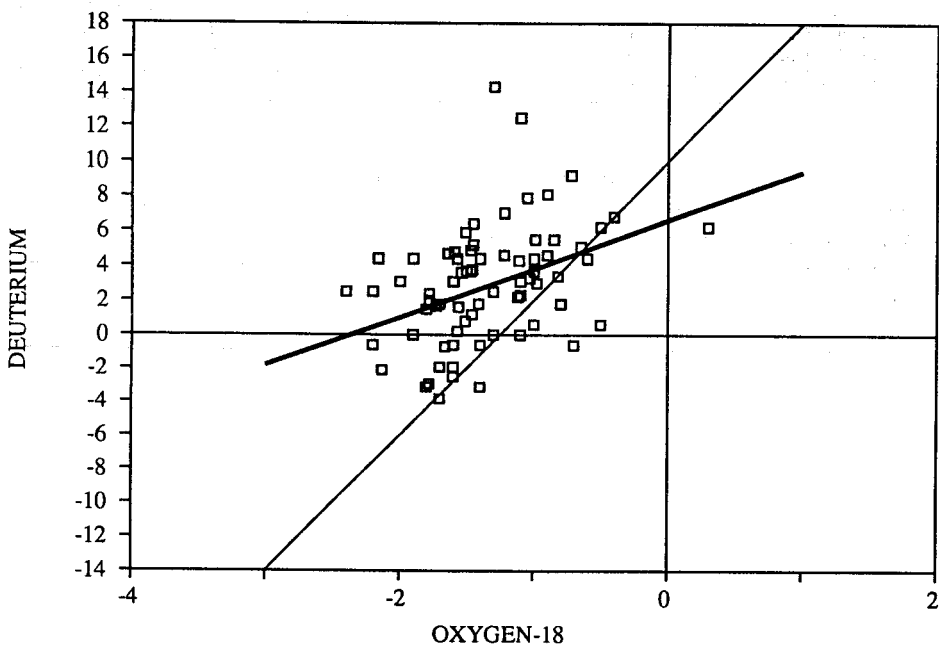
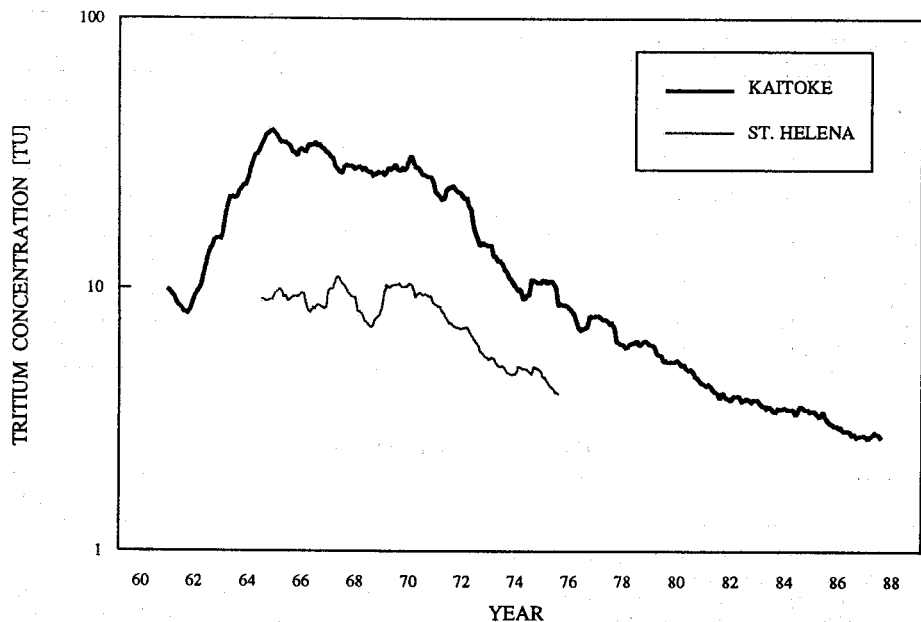
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	150	0.50	0.04	0.19	0.06	0.489	0.13
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	12	0.55	0.06	0.12	0.08	0.901	0.04
3) Monthly Deut vs. Monthly Precipitation	74	-0.01	0.01	3.79	0.73	0.031	3.39
4) Monthly Oxyg-18 vs. Monthly Prec	80	-0.00	0.00	-1.15	0.11	0.045	0.50
5) Monthly Deut vs. Monthly Temperature	74	-0.24	0.19	6.93	3.16	0.023	3.40
6) Monthly Oxyg-18 vs. Monthly Temp	80	-0.01	0.03	-1.12	0.47	0.002	0.51
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	74	2.80	0.76	6.61	1.09	0.158	3.16
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	74	7.05	0.75	12.32	1.16	0.158	3.16

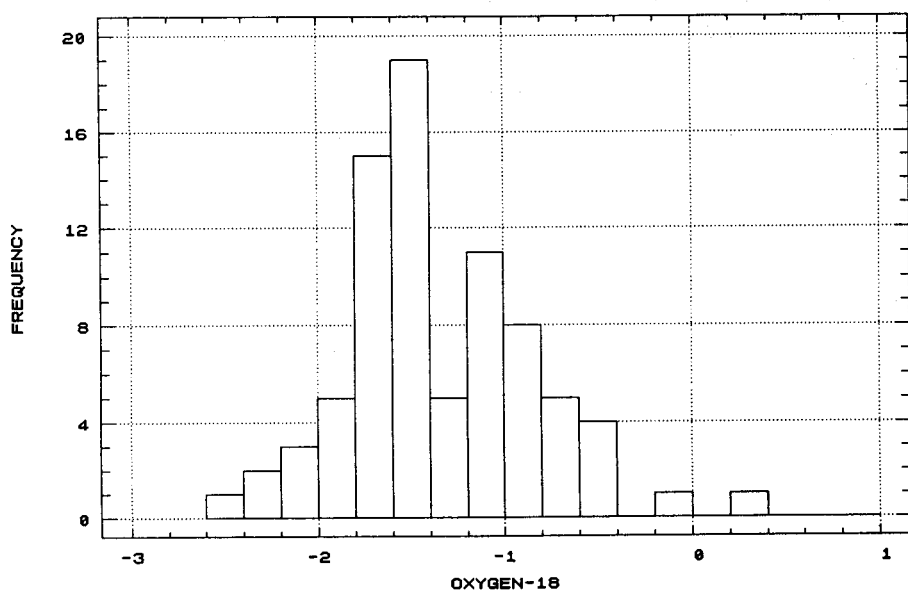
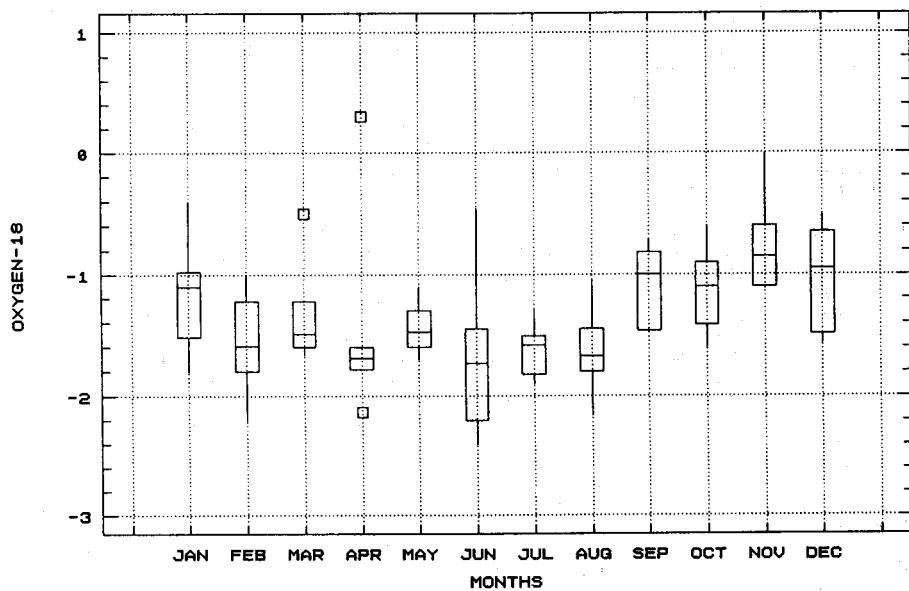
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
69 / 7			98.80	4.8
73 / 12	2.08	25.6		

6190100 ST. HELENA (ATLANTIC OC.), UK

Lat. 15.97S Long. 5.70W Alt. 604 m a.s.l.





6193100 SAO TOME (ATLANTIC OC.), SAO TOME AND PRINCIPE

Lat. 0.38N Long. 6.72E Alt. 8 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	960 (12)			-1.67 (82.9/8)	-1.20	-14.7 (82.9/8)	-8.0	-1.3 (82.9/8)	1.7	24.7 (12)	26.5 (12)
1963	1197 (12)			-3.59 (100.0/10)	-2.84	-17.5 (100.0/10)	-10.9	11.4 (100.0/10)	11.9	25.5 (12)	26.7 (12)
1964	854 (12)	131.7 (99.2/8)	137.0	-3.85 (99.7/10)	-2.71	-20.3 (99.7/10)	-13.0	10.6 (99.7/10)	8.7	25.1 (12)	25.7 (12)
1965	1332 (12)	72.1 (92.3/9)	61.3	-2.07 (100.0/12)	-1.32	-2.0 (54.4/7)	5.0	3.1 (54.4/7)	6.7	25.3 (12)	26.5 (12)
1966	1073 (12)	47.4 (77.1/6)	51.6	-4.42 (74.9/7)	-4.20	-18.5 (74.9/7)	-16.6	17.0 (74.9/7)	17.1	25.5 (12)	27.1 (12)
1967	776 (12)	35.4 (87.2/6)	35.7	-4.55 (99.4/9)	-3.48	-21.9 (99.4/9)	-13.6	14.6 (99.4/9)	14.3	25.1 (12)	26.0 (12)
1968	877 (12)	31.5 (98.7/9)	28.4	-4.38 (98.7/9)	-3.46	-24.0 (98.7/9)	-17.8	11.1 (98.7/9)	9.9	24.9 (12)	26.7 (12)
1969	685 (12)	23.7 (99.2/8)	23.2	-4.45 (62.6/6)	-3.90	-23.5 (62.6/6)	-19.4	12.2 (62.6/6)	11.8	25.3 (12)	26.4 (12)
1970	1104 (12)	32.3 (99.9/10)	26.6	-4.68 (92.5/8)	-4.40					25.5 (12)	26.3 (12)
1971	1005 (12)	23.1 (99.8/9)	23.4	-3.77 (99.8/9)	-3.75					25.2 (12)	25.7 (12)
1972	602 (12)	17.8 (85.3/7)	15.7	-3.96 (89.8/8)	-3.29	11.9 (2.1/1)	11.9	8.0 (2.1/1)	8.0	25.5 (12)	26.0 (12)
1973	1096 (12)	13.8 (99.9/10)	12.7	-1.81 (40.1/5)	-1.41	-3.1 (40.1/5)	-1.3	11.5 (40.1/5)	10.1	25.7 (12)	26.5 (12)
1974	965 (12)	16.6 (100.0/9)	15.4	-3.41 (90.1/8)	-3.15	-15.9 (90.1/8)	-13.5	11.4 (90.1/8)	11.8	25.3 (12)	25.6 (12)
1975	836 (12)	15.6 (85.1/7)	15.5	-3.14 (83.9/7)	-2.84	-13.8 (83.9/7)	-11.8	11.3 (83.9/7)	11.0	25.1 (12)	25.7 (12)
1976	721 (12)	12.2 (92.2/7)	12.1	-1.78 (92.2/7)	-1.58	-12.0 (92.2/7)	-11.5	2.3 (92.2/7)	1.2	25.0 (12)	25.6 (12)
Long Term Means 939				-3.39	-2.84	-17.7	-12.5	9.2	8.8	25.2	26.2
σ				1.05	0.99	4.2	2.8	5.4	4.8	0.2	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	83	15	-1.72	1.70	11	-1.6	8.4	8	7.0	8.1	8	25.6	0.4	15	27.7	0.6	15
Feb	92	15	-2.55	1.39	14	-11.1	8.4	10	9.3	7.8	10	26.0	0.4	15	27.9	0.9	15
Mar	125	15	-4.09	1.89	14	-20.1	13.2	10	10.2	8.1	10	26.1	0.4	15	27.8	0.5	15
Apr	155	15	-4.42	1.52	13	-19.9	12.2	9	11.7	8.4	9	26.1	0.3	15	28.0	0.8	15
May	138	15	-3.98	2.18	12	-19.5	15.4	9	11.0	5.1	9	25.8	0.3	15	27.5	0.8	15
Jun	16	15	-2.35	4.61	4	3.3	32.3	3	12.3	6.7	3	24.5	0.6	15	24.2	1.3	15
Jul	2	15	1.54	1.13	4	16.6	6.9	3	6.3	3.9	3	23.8	0.6	15	22.7	0.9	15
Aug	1	15	-0.20		1	3.7		1	5.3		1	24.1	0.5	15	23.3	0.8	15
Sep	25	15	-1.43	1.37	10	-2.7	11.2	8	7.5	3.1	8	24.7	0.4	15	24.4	0.7	15
Oct	95	15	-3.55	1.90	13	-18.2	13.5	11	9.0	4.6	11	25.2	0.3	15	26.2	0.7	15
Nov	105	15	-3.21	1.62	14	-12.7	11.9	11	11.0	6.5	11	25.2	0.3	15	27.0	0.5	15
Dec	103	15	-2.18	1.05	13	-6.2	8.8	11	10.1	7.8	11	25.3	0.3	15	27.2	0.8	15

CORRELATIONS

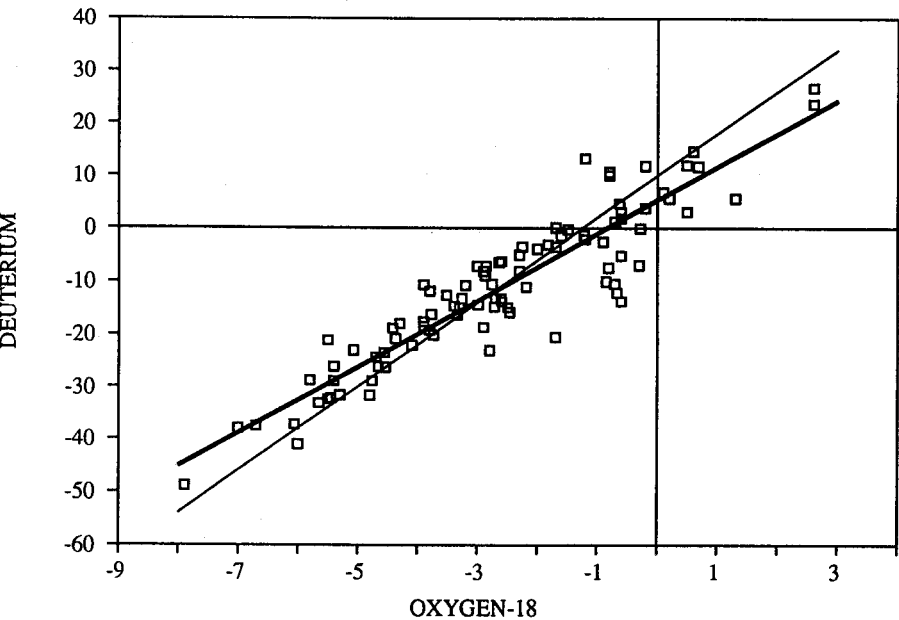
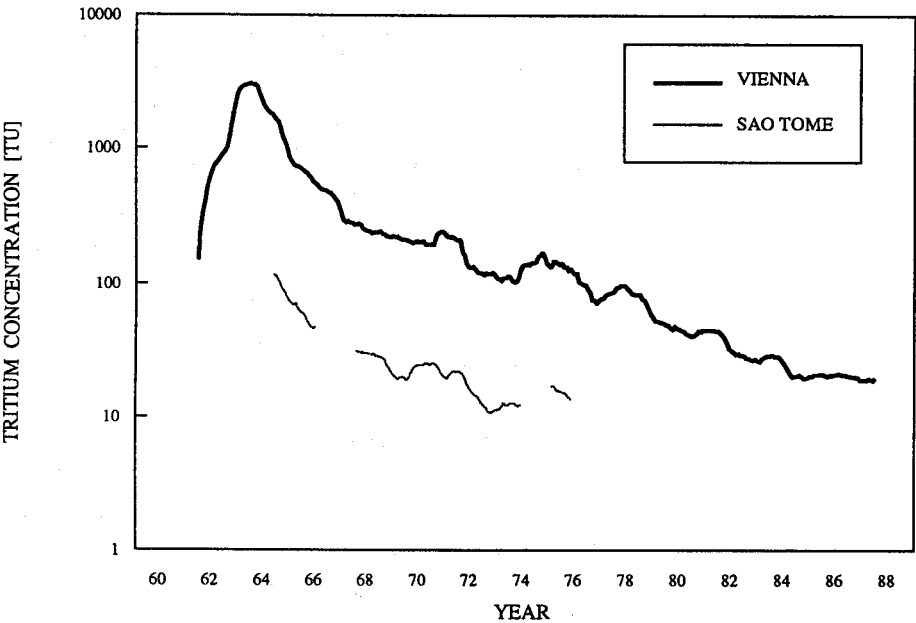
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	102	0.59	0.05	0.05	0.12	0.543	0.23
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	13	0.81	0.05	-0.50	0.13	0.956	0.07
3) Monthly Deut vs. Monthly Precipitation	94	-0.11	0.02	-0.69	2.33	0.242	12.76
4) Monthly Oxyg-18 vs. Monthly Prec	123	-0.01	0.00	-1.58	0.32	0.161	1.95
5) Monthly Deut vs. Monthly Temperature	94	-8.02	2.23	192.63	56.63	0.123	13.73
6) Monthly Oxyg-18 vs. Monthly Temp	123	-1.49	0.27	35.16	6.88	0.202	1.90
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	94	6.31	0.27	5.28	0.90	0.857	5.54
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	94	6.82	0.27	6.59	1.06	0.857	5.54

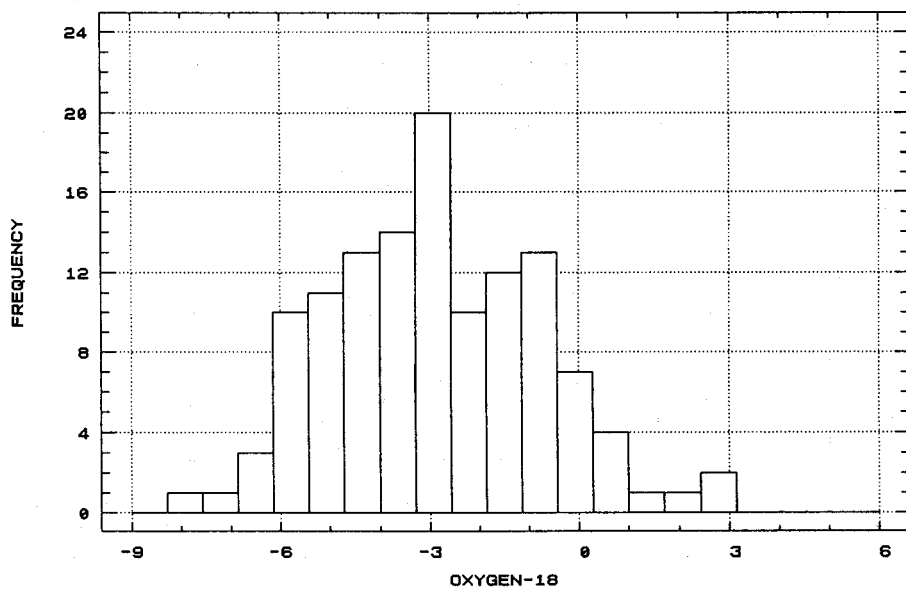
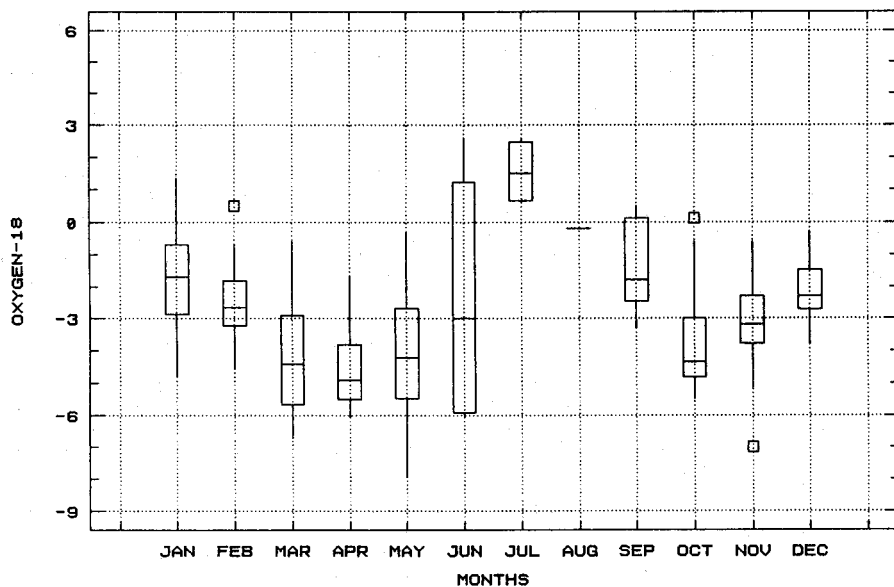
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
66	/ 1	-2.30	13.7		
68	/ 8	-1.58	17.3		
73	/ 1	7.69			

6193100 SAO TOME (ATLANTIC OC.), SAO TOME AND PRINCIPE

Lat. 0.38N Long. 6.72E Alt. 8 m a.s.l.





6196700 DIEGO GARCIA ISLAND (INDIAN OC.), USA

Lat. 7.32S Long. 72.40E Alt. 1 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	2991 (12)	49.8 (4.7/2)	41.3	-4.95 (66.2/6)	-4.92	-30.6 (66.2/6)	-30.2	9.0 (66.2/6)	9.3	27.1 (12)	29.1 (12)
1963	3840 (12)	30.2 (34.6/3)	34.7	-4.05 (100.0/12)	-4.03	-21.7 (100.0/12)	-22.0	10.8 (100.0/12)	10.3	27.2 (12)	29.8 (12)
1964	2747 (12)	72.4 (82.3/10)	83.7	-4.58 (91.3/11)	-3.81	-28.2 (91.3/11)	-22.9	8.5 (91.3/11)	7.7	26.9 (12)	30.0 (12)
1965	2866 (12)	35.8 (100.0/12)	58.1	-4.09 (100.0/12)	-3.50	-22.6 (100.0/12)	-18.1	10.2 (100.0/12)	10.0	26.6 (12)	29.1 (12)
1966	2813 (12)	32.9 (88.6/10)	31.4	-3.21 (89.7/10)	-2.56	-19.9 (56.4/7)	-12.9	10.3 (56.4/7)	8.3	27.2 (12)	29.7 (12)
1967	4078 (12)	193.8 (66.5/8)	194.6	-4.24 (26.1/4)	-3.87	-20.4 (44.3/5)	-19.6	5.1 (2.7/1)	5.1		
1968	2535 (12)	23.3 (77.7/9)	18.9	-3.39 (36.6/6)	-1.61	-21.1 (79.2/9)	-16.9	8.0 (36.6/6)	-0.9	26.6 (12)	30.6 (12)
1969	2499 (12)			-3.00 (43.7/5)	-2.67	-13.7 (43.7/5)	-11.3	10.4 (43.7/5)	10.1	27.0 (12)	30.6 (12)
1970	2676 (12)	16.1 (69.2/8)	15.7	-3.55 (71.2/9)	-3.66	-29.4 (81.0/10)	-26.1	8.7 (52.3/7)	10.1	27.0 (12)	29.3 (12)
1971	2338 (12)	23.5 (71.9/10)	23.3	-3.39 (68.8/9)	-3.62					26.4 (12)	28.5 (12)
1972	2558 (12)	22.3 (42.7/7)	24.3	-2.28 (33.3/6)	-2.14	-13.4 (33.3/6)	-13.3	4.9 (33.3/6)	3.9	27.1 (12)	28.3 (12)
1973	1865 (12)	7.3 (50.9/3)	7.3	-4.78 (50.9/3)	-5.11	-29.6 (50.9/3)	-32.0	8.6 (50.9/3)	9.0	27.2 (12)	27.7 (12)
1974	1772 (12)									26.5 (12)	27.3 (12)
1975	1749 (12)	4.2 (85.4/10)	4.2	-3.58 (85.4/10)	-3.03	-19.1 (85.4/10)	-14.6	9.6 (85.4/10)	9.7	26.4 (12)	28.2 (12)
1976	2316 (12)	4.0 (100.0/12)	4.1	-2.57 (87.7/11)	-2.45	-12.3 (100.0/12)	-11.4	9.2 (87.7/11)	9.0	27.2 (12)	28.3 (12)
1977	2537 (12)	3.2 (33.3/3)	3.6	-2.32 (48.1/6)	-1.86	-10.6 (43.0/5)	-8.2	8.1 (43.0/5)	6.1	27.4 (12)	28.5 (12)
1978	2027 (12)	4.9 (77.9/10)	5.4	-3.20 (96.7/11)	-1.83	-22.6 (89.5/10)	-13.1	6.6 (89.5/10)	5.0	27.3 (12)	
1979	1785 (12)	3.7 (19.6/2)	3.9	-3.12 (27.2/3)	-3.06	-15.5 (27.2/3)	-16.4	9.5 (27.2/3)	8.2	26.7 (12)	28.5 (12)
1981	1266 (5)	3.2 (57.6/5)	3.2	-2.13 (57.6/5)	-1.84	-1.6 (20.2/2)	0.5	11.8 (20.2/2)	11.4		
1982	1556 (7)	3.7 (1.2/1)	3.7	-5.75 (35.4/3)	-5.78	-40.3 (35.4/3)	-38.6	5.8 (35.4/3)	7.7		
1983	587 (2)			-2.22 (5.5/1)	-2.22	-29.2 (5.5/1)	-29.2	-11.5 (5.5/1)	-11.5		
1984	777 (3)	3.2 (35.3/3)	3.2	-3.73 (35.3/3)	-3.56	-18.6 (35.3/3)	-17.3	11.3 (35.3/3)	11.3		
1985	2352 (9)	2.2 (96.5/11)	2.2	-4.70 (100.0/12)	-4.34	-23.7 (96.1/11)	-21.2	11.5 (96.1/11)	11.3		
1986	2674 (3)	2.1 (100.0/12)	2.1	-4.46 (100.0/12)	-4.21	-24.3 (100.0/12)	-22.2	11.5 (100.0/12)	11.5		
1987	3281 (9)	2.2 (100.0/11)	2.3	-4.94 (100.0/12)	-4.82	-31.5 (100.0/12)	-30.9	8.1 (100.0/12)	7.7		
Long Term Means 2195											
				-4.03	-3.46	-23.7	-20.0	9.6	9.1	26.9	29.0
σ				0.78	0.96	5.3	5.8	1.6	2.0	0.3	0.9

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	333	20	-4.83	1.23	16	-30.6	10.7	15	8.7	3.0	14	27.2	0.3	20	29.7	1.3	20
Feb	269	20	-4.45	1.76	16	-27.4	11.3	14	9.1	4.6	13	27.4	0.6	20	30.3	1.7	20
Mar	196	20	-3.13	1.27	17	-13.7	8.1	16	10.5	4.2	15	27.6	0.4	20	30.3	1.3	20
Apr	178	22	-3.04	2.12	15	-17.2	13.3	14	9.9	3.0	14	27.8	0.5	22	30.5	1.5	21
May	160	22	-2.42	1.85	16	-14.9	9.6	14	5.5	8.9	14	27.4	0.7	22	29.9	1.5	22
Jun	141	22	-2.06	1.36	16	-8.4	7.9	14	6.8	5.6	14	26.8	0.7	22	28.2	1.3	22
Jul	149	20	-2.13	1.76	14	-10.1	9.8	14	6.9	7.3	14	26.3	0.6	20	27.7	1.7	20
Aug	156	20	-2.21	1.92	15	-11.6	15.3	14	6.7	8.6	12	26.1	0.4	19	26.9	1.4	19
Sep	240	20	-4.41	1.62	13	-24.4	12.1	11	9.3	3.3	10	26.4	0.4	19	27.5	1.8	19
Oct	265	23	-3.77	2.25	15	-21.8	18.5	16	10.2	3.8	14	26.3	0.8	22	27.6	1.7	22
Nov	220	23	-4.03	2.04	15	-23.1	14.3	16	8.8	4.9	14	27.1	0.7	22	28.5	1.4	22
Dec	288	22	-4.28	2.65	14	-32.6	17.6	12	7.6	5.1	11	27.0	0.8	21	29.5	1.6	21

CORRELATIONS

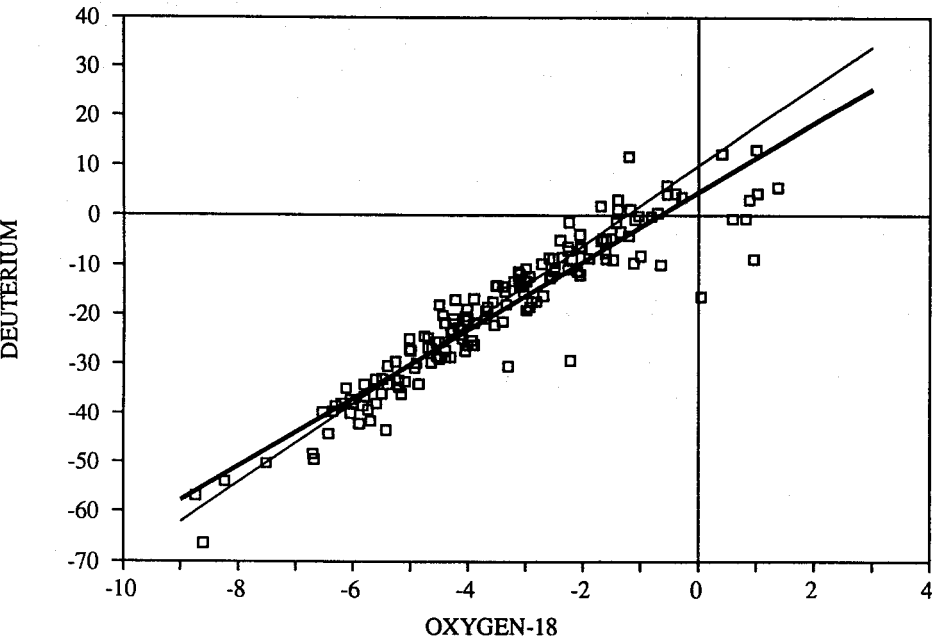
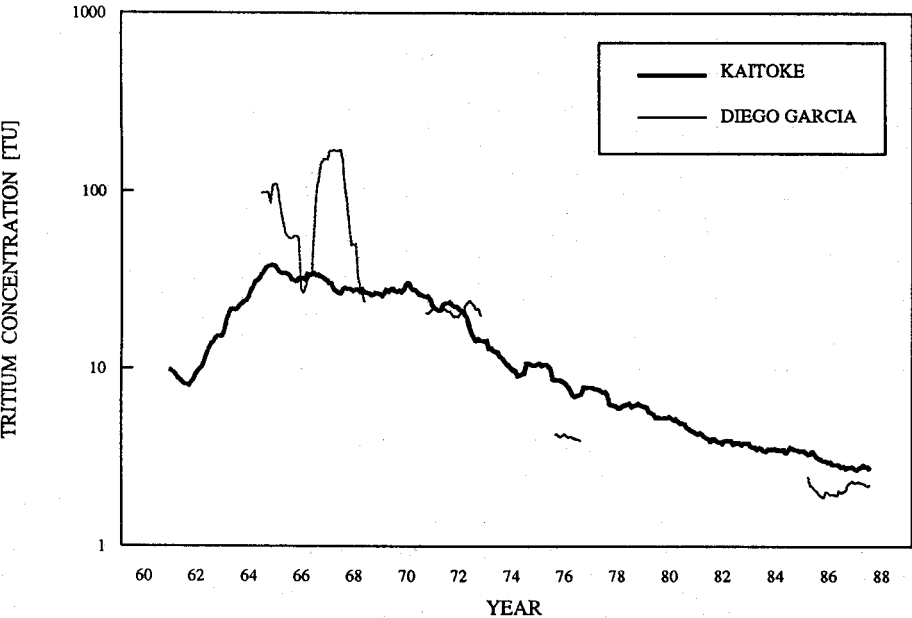
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	160	1.14	0.06	-0.18	0.07	0.662	0.34
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	10	1.21	0.11	-0.29	0.12	0.941	0.15
3) Monthly Deut vs. Monthly Precipitation	170	-0.04	0.01	-10.21	2.01	0.148	13.51
4) Monthly Oxyg-18 vs. Monthly Prec	182	-0.01	0.00	-2.00	0.27	0.161	1.87
5) Monthly Deut vs. Monthly Temperature	152	-3.71	1.39	81.63	37.71	0.045	14.50
6) Monthly Oxyg-18 vs. Monthly Temp	167	-0.52	0.19	10.81	5.06	0.045	2.00
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	159	6.93	0.20	4.66	0.81	0.880	5.16
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	159	7.38	0.20	6.23	0.91	0.880	5.16

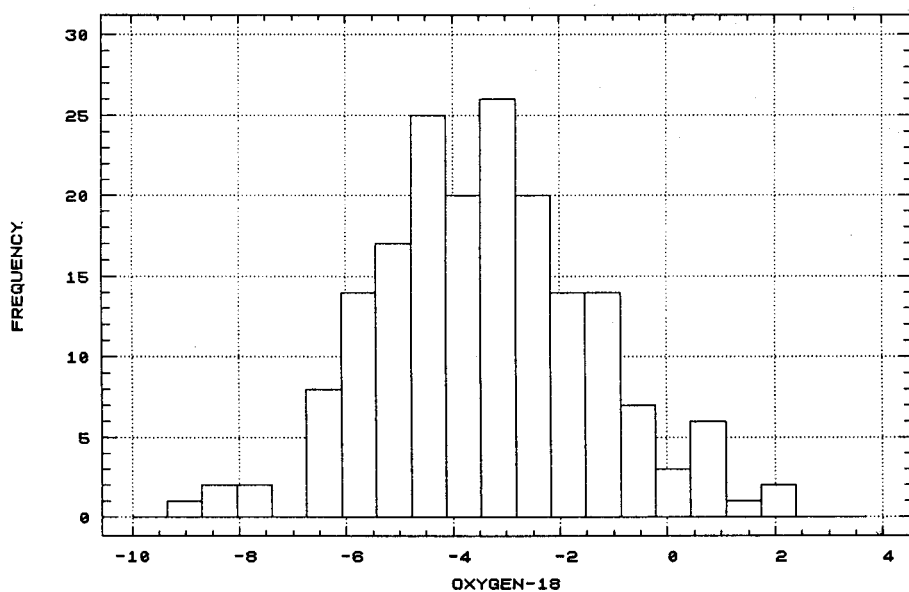
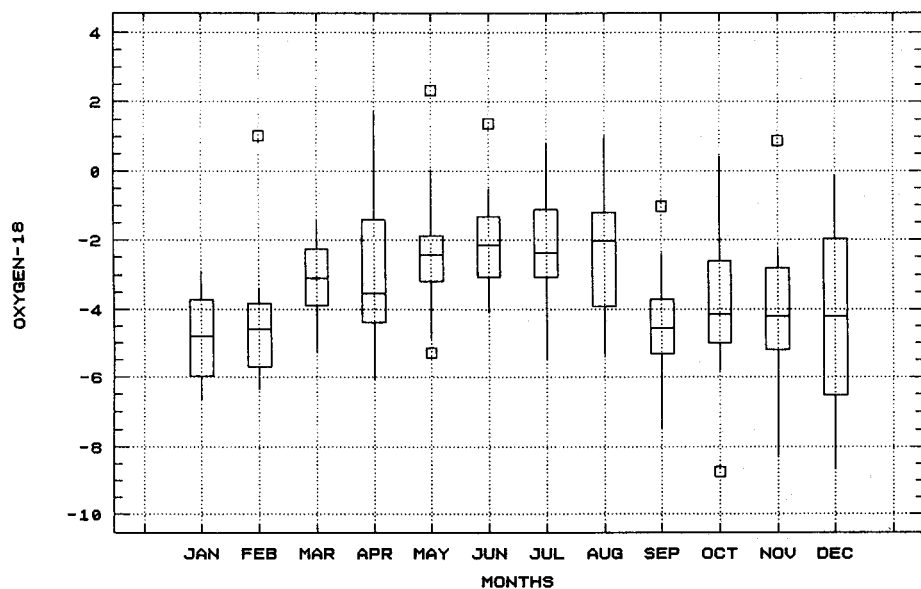
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
68 / 4	0.63	-24.4		
78 / 9	4.48	26.6		
79 / 3			0.00	6.0
82 / 1	-11.44	-84.0	37.00	1.0
82 / 2	-11.36	-82.3	35.40	1.1
82 / 3	-11.32	-82.8		
82 / 6			19.80	1.0
82 / 7	-11.25	-83.3		
83 / 6	-2.27	-63.0		

6196700 DIEGO GARCIA ISLAND (INDIAN OC.), USA

Lat. 7.32S Long. 72.40E Alt. 1 m a.s.l.





6272100 KHARTOUM, SUDAN

Lat. 15.60N Long. 32.55E Alt. 382 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	76 (12)	97.3 (92.1/4)	89.6							29.5 (12)	11.9 (12)
1961	242 (12)	71.0 (1.2/1)	71.0							27.8 (12)	12.7 (12)
1962	216 (12)	379.2 (100.0/5)	377.6	-3.14 (100.0/5)	-2.12	-15.5 (100.0/5)	-11.0	9.7 (100.0/5)	6.1	28.9 (12)	13.7 (12)
1963	143 (12)	1463.1 (97.9/4)	1404.3	1.17 (97.9/4)	0.21	14.9 (97.9/4)	8.9	5.6 (97.9/4)	7.3	29.6 (12)	13.1 (12)
1964	294 (12)	824.6 (93.5/2)	875.5	-4.92 (97.2/3)	-2.64	-28.3 (97.2/3)	-13.9	11.2 (97.2/3)	7.3	27.8 (12)	13.5 (12)
1965	135 (12)	387.7 (20.7/2)	372.5	1.37 (100.0/5)	2.56	4.6 (100.0/5)	14.4	-6.4 (100.0/5)	-6.1	28.7 (12)	14.2 (12)
1966	154 (12)	269.5 (100.0/4)	232.4	-2.61 (22.7/2)	-1.65					29.5 (12)	12.9 (12)
1967	254 (12)	170.7 (100.0/3)	193.6							28.3 (12)	12.9 (12)
1968	208 (12)	104.3 (98.5/5)	93.1							28.5 (12)	13.5 (12)
1969	74 (12)	202.5 (100.0/4)	137.1							30.1 (12)	13.1 (12)
1970	90 (12)	147.9 (98.8/3)	138.8							29.2 (12)	12.8 (12)
1971	104 (12)	149.5 (100.0/3)	149.1							28.5 (12)	12.7 (12)
1972	133 (12)	82.0 (99.2/4)	64.0							29.0 (12)	13.3 (12)
1973	93 (12)	45.2 (100.0/4)	47.4	1.03 (100.0/4)	2.92	10.4 (100.0/4)	25.3	2.3 (100.0/4)	2.0	29.5 (12)	13.7 (12)
1974	60 (12)	53.7 (96.6/3)	55.7	-2.91 (100.0/4)	0.01	-14.3 (100.0/4)	4.7	9.0 (100.0/4)	4.7	28.8 (12)	13.5 (12)
1975	108 (12)	50.1 (94.4/2)	49.5	-4.26 (97.2/3)	-2.57	-26.0 (97.2/3)	-14.5	8.2 (97.2/3)	6.1	29.0 (12)	12.9 (12)
1976	143 (12)	35.3 (95.8/3)	38.2	-0.85 (99.3/4)	0.66	2.6 (99.3/4)	10.9	9.4 (99.3/4)	5.7	28.7 (12)	13.2 (12)
1977	167 (12)	48.2 (97.6/2)	50.6	-2.83 (100.0/4)	-1.64	4.1 (22.7/2)	20.4	11.6 (22.7/2)	0.4	28.8 (12)	12.0 (12)
1978	135 (12)	44.7 (88.8/2)	44.9	-1.78 (88.8/2)	-1.75	-16.2 (89.6/3)	-10.0	-2.1 (88.8/2)	-0.8	29.3 (12)	8.4 (12)
1979	117 (12)									29.5 (12)	13.6 (12)
Long Term											
Means 147				-2.10	-0.44	-10.0	1.7	6.1	3.6	29.0	12.9
σ				2.33	2.03	16.1	14.3	6.1	4.4	0.6	1.1

MONTHLY MEANS

Month	Mean Prec.	n	Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
			Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	0	20										22.2	1.1	20	8.7	1.3	20
Feb	0	20										24.1	1.6	20	7.7	1.5	20
Mar	0	20										27.5	1.1	20	7.7	1.8	20
Apr	0	20										30.9	1.2	20	9.1	1.6	20
May	4	20	1.80	6.08	4	24.0	35.5	3	-7.7	5.6	3	33.6	0.9	20	10.9	1.5	20
Jun	5	20	2.09	3.14	3	10.7	8.5	4	-2.3	21.2	3	33.7	0.6	20	15.0	1.7	20
Jul	47	20	-1.23	2.20	10	-3.3	14.8	10	6.6	5.9	10	31.4	1.3	20	18.7	3.9	20
Aug	70	20	-2.85	2.11	9	-16.7	12.3	8	5.7	8.8	8	30.3	1.3	20	21.6	3.8	20
Sep	17	20	-1.08	3.78	9	5.2	23.7	7	8.5	6.5	7	31.5	1.5	20	19.2	3.5	20
Oct	4	20	4.52	2.73	5	31.3	27.1	5	-4.8	13.0	5	31.4	0.8	20	14.1	2.0	20
Nov	0	20										27.0	1.6	20	11.4	1.9	20
Dec	0	20										23.4	1.5	20	9.9	1.5	20

CORRELATIONS

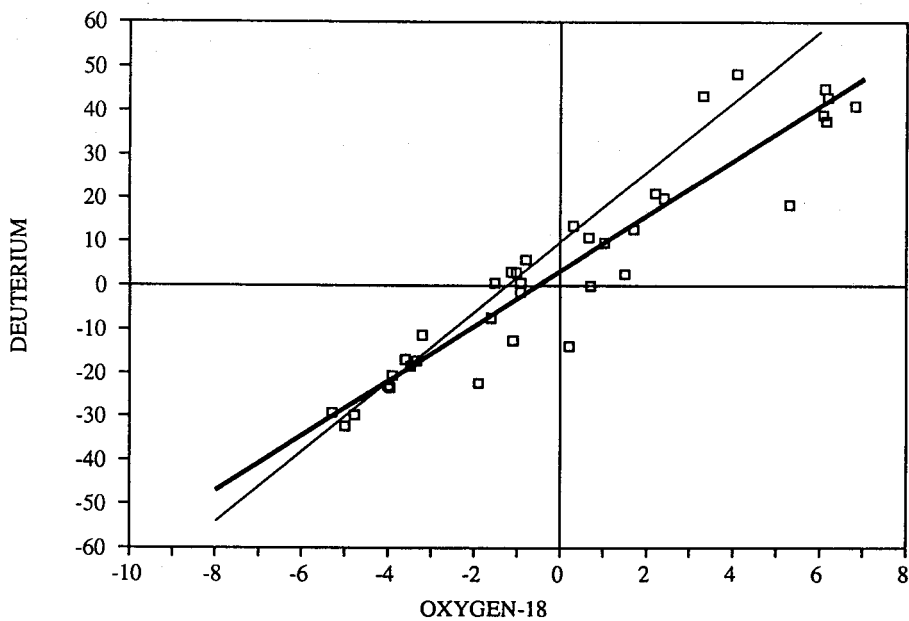
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	56	0.85	0.06	0.02	0.15	0.798	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	16	1.00	0.07	-0.31	0.17	0.939	0.12
3) Monthly Deut vs. Monthly Precipitation	37	-0.34	0.09	16.28	4.58	0.304	20.06
4) Monthly Oxyg-18 vs. Monthly Prec	40	-0.05	0.01	1.40	0.74	0.222	3.37
5) Monthly Deut vs. Monthly Temperature	37	5.78	2.18	-176.93	68.29	0.167	21.95
6) Monthly Oxyg-18 vs. Monthly Temp	40	0.61	0.36	-19.23	11.14	0.071	3.68
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	36	6.29	0.39	3.38	1.37	0.887	8.20
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	36	6.68	0.37	3.35	1.89	0.887	8.20

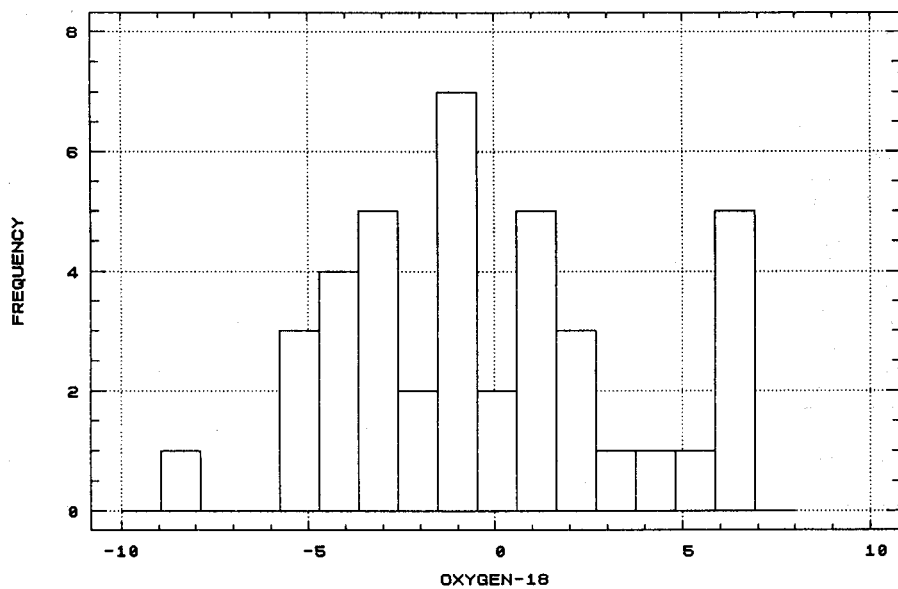
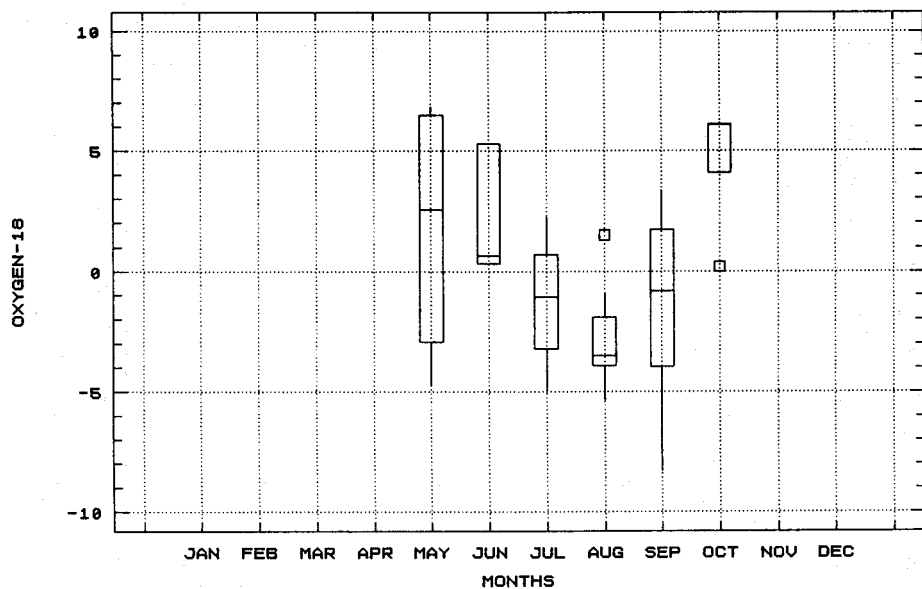
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
64 / 10	10.00	65.2		

6272100 KHARTOUM, SUDAN

Lat. 15.60N Long. 32.55E Alt. 382 m a.s.l.





6345000 ADDIS ABABA, ETHIOPIA

Lat. 9.00N Long. 38.73E Alt. 2360 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	1091 (12)			-0.65 (29.1/4)	-0.40	11.5 (29.1/4)	13.2	16.7 (29.1/4)	16.4	16.8 (12)	
1964	1258 (12)	56.2 (3.9/1)	56.2	-2.77 (25.7/2)	-3.25	-11.7 (25.7/2)	-16.2	10.6 (25.7/2)	9.9	16.1 (12)	10.7 (12)
1965	991 (12)	143.5 (13.2/5)	179.6	-0.16 (11.7/3)	0.00	13.3 (12.6/4)	18.0	12.7 (11.7/3)	11.8	16.2 (12)	10.1 (12)
1966	1224 (12)									16.4 (12)	10.7 (12)
1967	1222 (12)	39.3 (2.0/1)	39.3							15.8 (12)	11.6 (12)
1968	1231 (12)									15.6 (12)	11.4 (12)
1969	1310 (12)	115.9 (99.6/9)	91.5	-1.10 (99.6/9)	-0.43	5.7 (99.6/9)	10.0	14.5 (99.6/9)	13.4	16.1 (12)	11.5 (12)
1970	1422 (12)	126.1 (95.7/8)	109.0	-2.11 (84.9/8)	-0.15	-3.9 (100.0/9)	8.5	13.1 (84.9/8)	11.3	16.0 (12)	11.1 (12)
1971	1183 (12)	123.4 (93.9/6)	110.9	-0.32 (93.9/6)	0.33					15.6 (12)	10.6 (12)
1972	984 (12)	60.0 (57.6/6)	46.3	-0.88 (55.9/5)	-0.28	18.9 (32.6/4)	18.2	16.8 (32.6/4)	16.1	16.1 (12)	10.7 (12)
1973	1271 (12)	56.8 (91.5/6)	48.3	-1.91 (89.0/6)	0.02	1.4 (89.0/6)	13.7	16.6 (89.0/6)	13.6	16.5 (12)	
1974	1254 (12)	23.6 (12.5/2)	15.5	-2.00 (89.1/6)	-1.94	0.4 (78.3/5)	1.5	12.1 (78.3/5)	10.7	15.5 (12)	
1975	924 (12)			-2.72 (95.9/7)	-0.87	-8.5 (95.9/7)	5.9	13.4 (95.9/7)	12.8	16.4 (12)	11.0 (12)
1976	1061 (12)			-0.69 (100.0/10)	-0.74	7.1 (89.8/9)	7.0	14.4 (89.8/9)	14.7	16.1 (12)	10.7 (12)
1977	1473 (12)									16.3 (12)	11.6 (12)
1978	1046 (12)									16.2 (12)	
1979	1292 (12)									16.9 (12)	
1980	1270 (12)									17.2 (12)	
1981	1177 (12)									17.0 (12)	10.9 (12)
1982	1210 (12)			-1.46 (100.0/12)	-0.94	0.9 (100.0/12)	4.4	12.6 (100.0/12)	11.9	17.1 (12)	11.9 (12)
1984	1025 (12)	13.9 (98.4/9)	11.1	0.23 (84.5/8)	1.50	9.3 (84.5/8)	15.7	7.5 (84.5/8)	3.8		
1985	1217 (12)	12.9 (100.0/11)	11.9	-1.00 (86.2/7)	-0.31	5.0 (86.2/7)	9.6	13.0 (86.2/7)	12.0	16.2 (12)	
1986	1116 (9)	13.4 (69.4/5)	12.7	-0.38 (63.2/4)	0.05	8.7 (63.2/4)	11.8	11.7 (63.2/4)	11.4		
1987	1259 (12)	9.7 (73.6/7)	8.7	-0.35 (67.6/5)	0.01	10.7 (67.6/5)	11.1	13.4 (67.6/5)	11.0	17.1 (12)	9.8 (12)
Long Term											
Means 1181				-1.31	-0.36	1.8	8.5	13.2	11.6	16.3	11.0
σ				0.90	0.90	5.6	4.4	2.5	3.1	0.5	0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	21	24	0.48	1.55	6	15.2	11.9	6	11.4	3.8	6	15.9	0.7	24	8.9	1.5	18
Feb	42	23	1.35	2.16	7	17.0	13.2	7	6.1	7.8	7	17.0	1.0	23	9.3	1.8	16
Mar	74	23	0.57	3.02	9	13.0	18.7	9	8.4	7.8	9	17.8	1.0	23	10.7	2.2	16
Apr	84	23	1.82	1.71	11	25.1	9.2	10	10.9	6.9	10	17.8	1.0	23	11.6	0.9	15
May	89	24	-0.32	2.57	11	13.5	24.3	11	14.3	4.6	10	18.2	1.2	24	11.0	1.4	16
Jun	120	24	0.92	2.65	13	21.8	9.5	10	10.9	7.7	10	16.7	0.8	23	12.1	1.3	17
Jul	263	24	-1.13	1.83	13	2.8	14.9	11	12.0	4.7	11	15.5	1.1	24	12.9	1.2	17
Aug	276	24	-3.10	2.14	14	-11.8	17.3	13	13.3	5.3	13	15.4	0.7	24	13.0	1.1	17
Sep	164	24	-1.03	1.61	11	7.0	14.4	11	16.0	2.9	10	15.7	0.8	23	12.1	1.4	17
Oct	39	24	-3.80	1.87	2	-16.8	14.3	2	13.6	0.6	2	15.9	0.8	24	9.5	1.2	17
Nov	9	24	-2.67	3.26	3	-8.0	25.1	3	13.4	8.7	3	15.1	0.9	24	8.6	1.5	17
Dec	9	24	0.23	2.82	2	14.3	15.7	2	12.4	6.8	2	15.0	0.9	24	8.6	1.1	17

CORRELATIONS

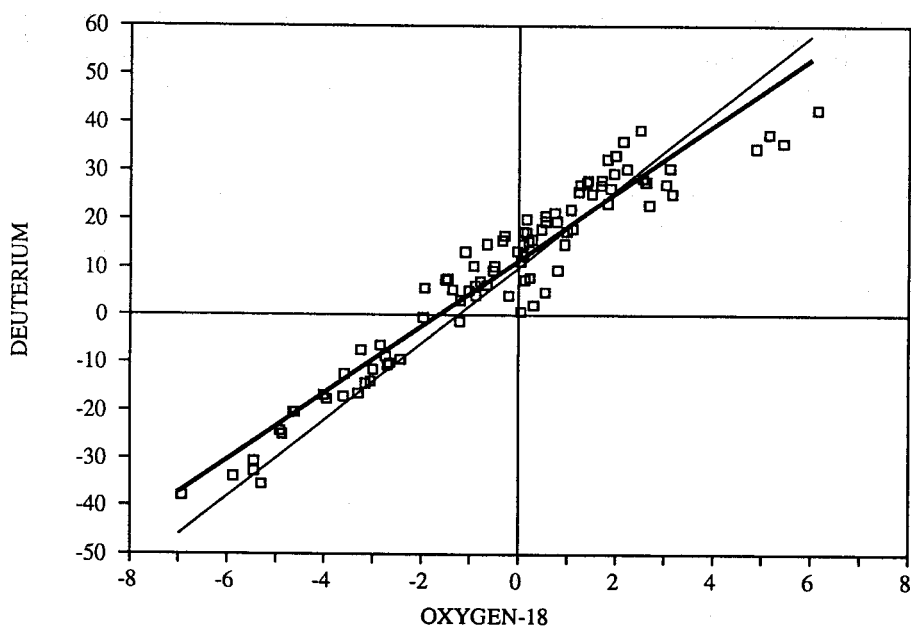
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	71	0.83	0.06	-0.11	0.11	0.763	0.25
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	5	0.96	0.07	-0.18	0.14	0.985	0.06
3) Monthly Deut vs. Monthly Precipitation	95	-0.08	0.02	19.06	2.98	0.160	17.73
4) Monthly Oxyg-18 vs. Monthly Prec	102	-0.01	0.00	1.12	0.40	0.178	2.41
5) Monthly Deut vs. Monthly Temperature	93	6.76	1.34	-103.72	22.42	0.218	17.19
6) Monthly Oxyg-18 vs. Monthly Temp	100	0.93	0.18	-15.74	3.01	0.210	2.38
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	93	6.95	0.22	11.51	0.58	0.918	5.52
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	93	7.25	0.22	11.62	0.81	0.918	5.52

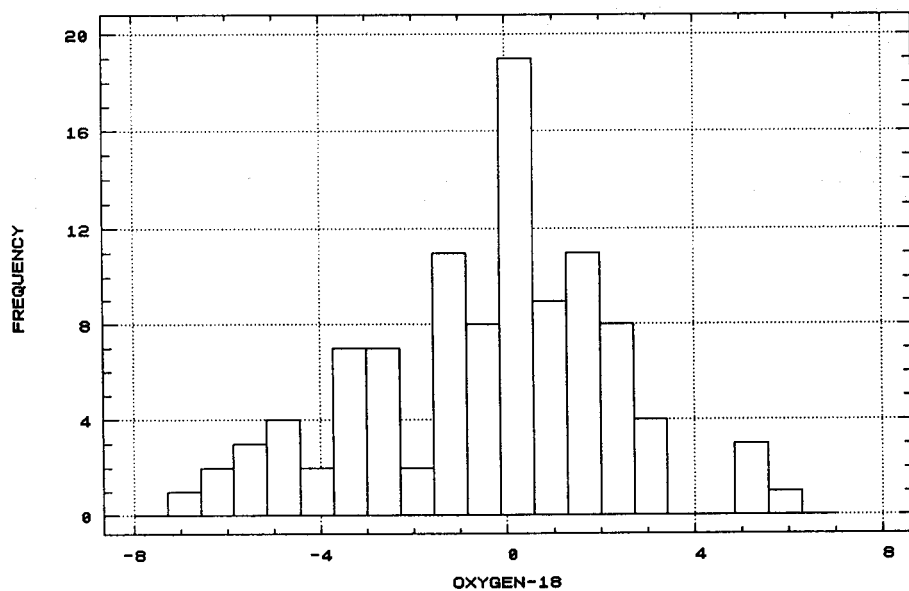
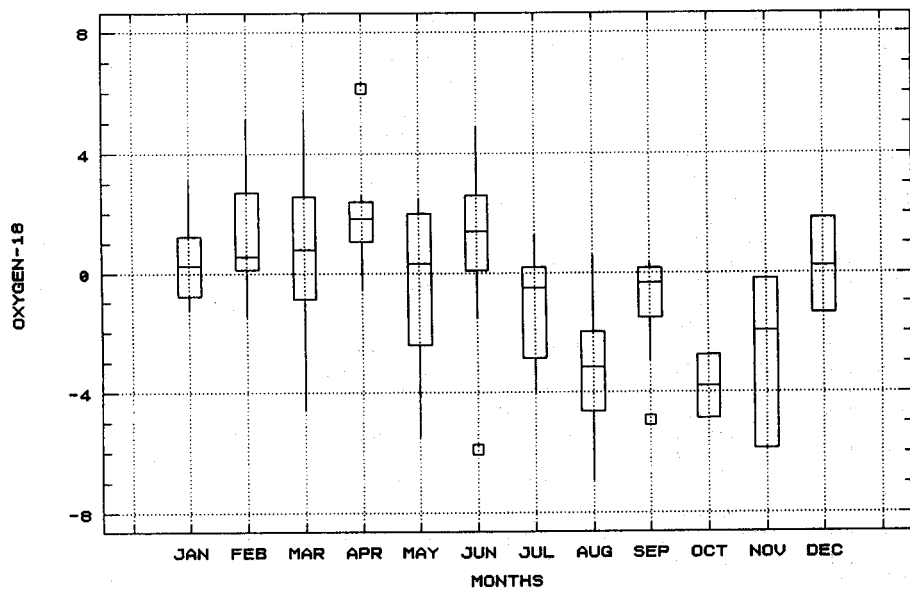
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
85 / 11	8.22	36.3		

6345000 ADDIS ABABA, ETHIOPIA

Lat. 9.00N Long. 38.73E Alt. 2360 m a.s.l.





6370500 ENTEBBE (AIRPORT), UGANDA

Lat. 0.05N Long. 32.45E Alt. 1155 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	1611 (12)	8.2 (72.9/9)	9.2			-18.6 (72.9/9)	-9.1			21.3 (12)	19.2 (12)
1961	2019 (12)	12.4 (100.0/12)	12.8	-3.84 (97.7/11)	-2.84	-17.1 (100.0/12)	-7.5	13.5 (97.7/11)	15.5	21.5 (12)	20.1 (12)
1962	1596 (12)	7.4 (4.3/1)	7.4	-2.76 (9.0/2)	-2.76	-11.8 (4.3/1)	-11.8	12.2 (4.3/1)	12.3	21.5 (12)	20.8 (12)
1963	1876 (12)	85.1 (100.0/12)	127.3	-5.65 (100.0/12)	-3.25	-33.3 (100.0/12)	-14.8	11.9 (100.0/12)	11.3	21.5 (12)	21.1 (12)
1964	1825 (12)	123.8 (66.8/6)	118.1	-1.59 (77.8/8)	-2.20	0.6 (77.8/8)	-4.4	13.3 (77.8/8)	13.3	21.6 (12)	20.3 (12)
1965	1395 (12)	46.0 (80.0/9)	50.6	-3.42 (80.0/9)	-3.01	-14.2 (80.0/9)	-11.4	13.2 (80.0/9)	12.7	21.6 (12)	19.6 (12)
1966	1444 (12)	37.1 (71.1/8)	38.7	-2.92 (100.0/12)	-2.41	-11.5 (100.0/12)	-8.2	11.9 (100.0/12)	11.2	22.0 (12)	21.1 (12)
1967	1766 (12)	26.6 (100.0/12)	28.0	-2.36 (100.0/12)	-2.32	-6.2 (100.0/12)	-5.7	12.7 (100.0/12)	12.9	21.8 (12)	19.9 (12)
1968	1696 (12)	29.1 (76.1/9)	29.6	-1.72 (87.3/10)	-1.35	-4.3 (87.3/10)	-0.6	9.5 (87.3/10)	10.3	21.5 (12)	19.6 (12)
1969	1555 (12)	21.1 (31.8/5)	21.9	-2.94 (55.9/6)	-3.12	-11.9 (55.9/6)	-15.7	11.7 (55.9/6)	9.4	21.8 (12)	21.1 (12)
1970	1574 (12)	17.0 (22.0/1)	17.0	-5.24 (22.0/1)	-5.24	-26.0 (22.0/1)	-26.0	16.0 (22.0/1)	16.0	21.4 (12)	21.2 (12)
1971	1433 (12)	22.4 (91.7/11)	24.3	-2.76 (85.0/10)	-2.13					21.4 (12)	20.5 (12)
1972	1530 (12)	15.3 (100.0/12)	17.3	-2.39 (72.3/10)	-1.81	-12.5 (52.8/7)	-8.3	11.3 (52.8/7)	10.3	22.0 (12)	20.9 (12)
1973	1584 (12)	16.1 (97.9/11)	16.9	-1.11 (97.9/11)	-0.81	4.0 (87.3/10)	6.6	13.4 (87.3/10)	13.3	22.0 (12)	21.3 (12)
1974	1304 (12)	14.6 (67.1/7)	15.2	-2.36 (63.4/6)	-2.42	-6.5 (63.4/6)	-5.4	12.4 (63.4/6)	14.0	21.7 (12)	20.9 (12)
1975	1680 (12)									21.7 (12)	20.8 (12)
1976	1530 (12)									21.6 (12)	20.6 (12)
Long Term Means 1613				-2.91	-2.26	-11.2	-5.8	12.4	12.6	21.6	20.5
σ				1.39	0.78	11.8	6.5	1.3	1.6	0.2	0.6

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	85	17	-1.83	1.73	7	-3.2	13.9	7	14.2	2.5	6	21.9	0.4	17	20.3	1.2	17
Feb	110	17	-0.36	1.47	12	7.6	11.3	9	9.6	9.6	9	22.3	0.8	17	20.6	1.2	17
Mar	175	17	-2.79	2.04	12	-11.0	14.5	12	13.3	3.4	11	22.2	0.6	17	21.1	0.8	17
Apr	250	17	-3.21	2.81	12	-17.0	23.1	12	11.3	6.1	11	22.0	0.5	17	21.3	0.9	17
May	233	17	-3.34	1.56	12	-11.8	12.4	12	14.9	3.8	11	21.6	0.4	17	21.3	0.9	17
Jun	111	17	-1.66	1.25	9	1.4	7.5	9	13.7	5.7	8	21.2	0.4	17	20.3	1.2	17
Jul	80	17	-1.54	0.81	8	5.1	6.7	8	14.8	1.3	7	20.6	0.4	17	19.8	0.9	17
Aug	74	17	-1.51	1.58	9	1.7	17.1	9	11.9	5.6	8	20.8	0.4	17	19.9	0.9	17
Sep	72	17	-1.84	2.44	13	-6.6	16.1	13	9.3	8.2	12	21.5	0.6	17	19.9	0.9	17
Oct	137	17	-3.06	2.06	9	-17.0	19.1	9	12.1	2.3	8	21.8	0.3	17	20.4	0.6	17
Nov	179	17	-4.27	2.48	7	-21.3	22.5	7	10.2	3.4	6	21.7	0.3	17	20.5	0.8	17
Dec	107	17	-2.56	2.17	10	-7.7	17.2	8	12.5	5.3	8	21.7	0.4	17	20.5	0.9	17

CORRELATIONS

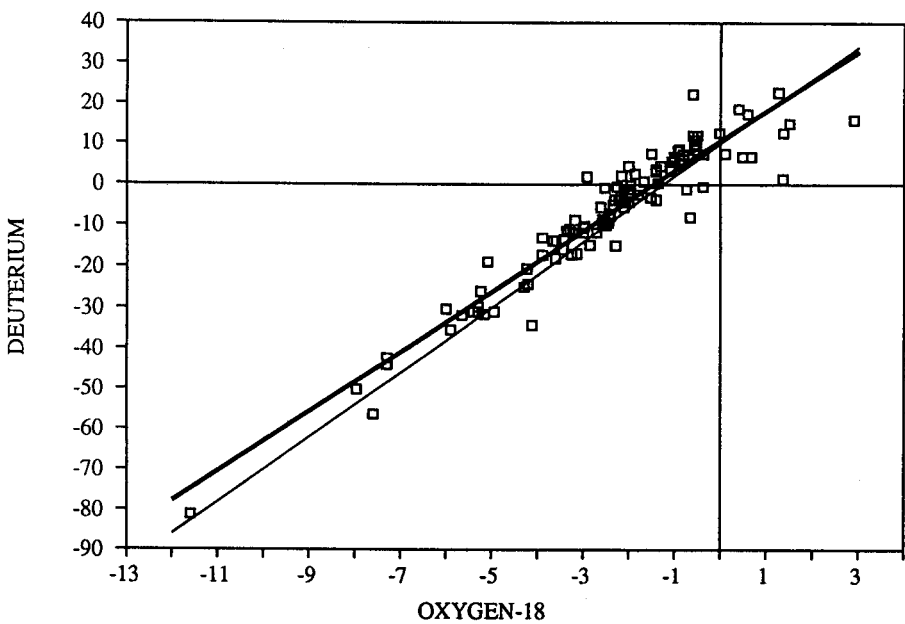
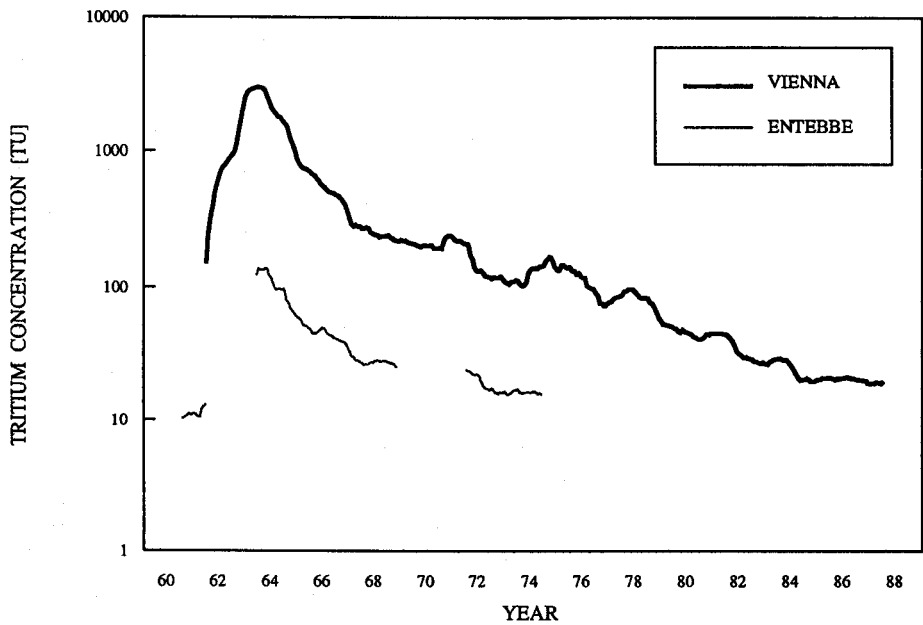
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	110	0.58	0.04	0.04	0.09	0.686	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	8	0.54	0.05	0.08	0.12	0.956	0.06
3) Monthly Deut vs. Monthly Precipitation	115	-0.07	0.02	3.48	2.66	0.168	16.00
4) Monthly Oxyg-18 vs. Monthly Prec	120	-0.01	0.00	-0.91	0.33	0.179	1.95
5) Monthly Deut vs. Monthly Temperature	115	-1.45	2.28	24.24	49.51	0.004	17.52
6) Monthly Oxyg-18 vs. Monthly Temp	120	0.16	0.28	-5.72	6.00	0.003	2.15
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	105	7.38	0.24	10.78	0.78	0.902	5.45
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	105	7.78	0.24	11.72	0.94	0.902	5.45

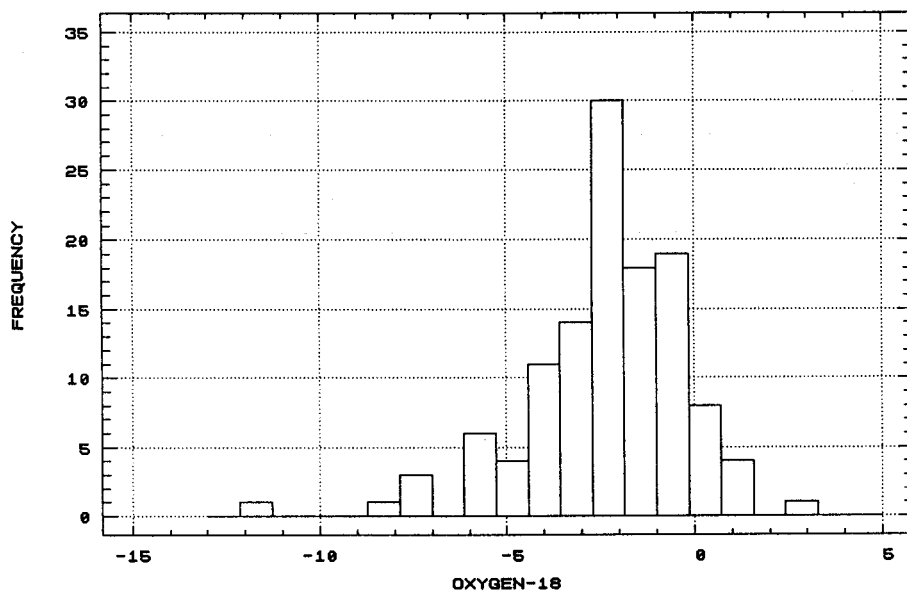
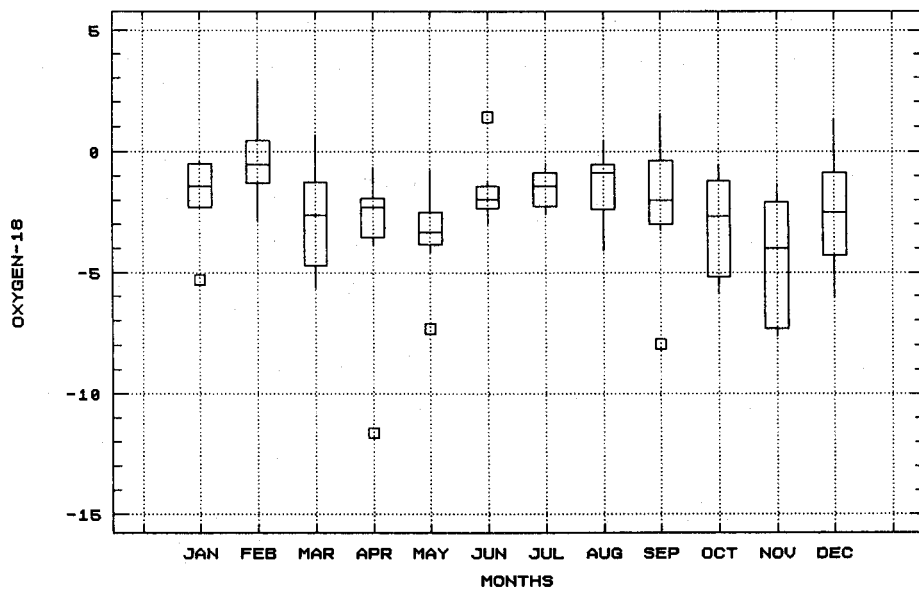
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
68	/ 11	-4.45	10.0		

6370500 ENTEBBE (AIRPORT), UGANDA

Lat. 0.05N Long. 32.45E Alt. 1155 m a.s.l.





6389400 DAR ES SALAAM, UNITED REPUBLIC OF TANZANIA

Lat. 6.88S Long. 39.20E Alt. 55 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	1043 (12)	10.2 (83.6/8)	11.8							25.7 (12)	24.1 (12)
1961	1933 (12)	9.5 (89.6/10)	12.0	-3.45 (68.1/10)	-2.39	-21.1 (68.1/10)	-10.1	6.5 (68.1/10)	9.1	26.1 (12)	26.5 (12)
1962	1014 (12)	10.8 (88.2/9)	13.7	-2.30 (94.9/11)	-1.68	-3.2 (94.9/11)	-2.6	15.3 (94.9/11)	10.9	25.7 (12)	26.6 (12)
1963	1605 (12)	17.8 (97.3/9)	19.9	-3.33 (99.6/11)	-1.90	-19.3 (99.6/11)	-8.2	7.4 (99.6/11)	7.0	25.6 (12)	25.8 (12)
1964	905 (12)	37.6 (47.5/4)	48.0	-2.16 (69.0/7)	-1.62	-12.4 (69.0/7)	-7.4	4.9 (69.0/7)	5.6	25.5 (12)	25.2 (12)
1965	732 (12)	20.2 (99.1/11)	30.9	-2.81 (100.0/12)	-1.22	-11.9 (100.0/12)	-1.6	10.6 (100.0/12)	8.2	25.4 (12)	25.8 (12)
1966	1059 (12)	12.6 (92.2/11)	15.6	-2.25 (100.0/12)	-1.58	-9.6 (100.0/12)	-4.5	8.4 (100.0/12)	8.2	26.0 (12)	25.8 (12)
1967	1515 (12)	9.6 (93.7/11)	9.6	-2.38 (100.0/12)	-2.07	-10.4 (100.0/12)	-7.3	8.6 (100.0/12)	9.3	26.1 (12)	26.2 (12)
1968	1566 (12)	15.5 (81.3/11)	20.8	-3.86 (99.8/11)	-2.75	-18.9 (99.8/11)	-11.7	12.0 (99.8/11)	10.3	25.6 (12)	24.8 (12)
1969	1140 (12)	11.6 (71.7/8)	14.7	-2.65 (100.0/12)	-2.59	-13.5 (100.0/12)	-12.5	7.7 (100.0/12)	8.3	25.9 (12)	26.3 (12)
1970	886 (12)	25.5 (72.2/8)	22.0	-2.27 (96.2/10)	-1.79	-14.2 (96.2/10)	-8.3	4.0 (96.2/10)	6.0	25.9 (12)	25.2 (12)
1971	820 (12)	10.3 (78.5/7)	11.0	-2.87 (49.7/5)	-2.75					25.3 (12)	24.8 (12)
1972	1446 (12)	7.3 (96.3/10)	7.5	-2.97 (78.4/7)	-2.66	-7.3 (49.8/5)	-5.5	13.7 (49.8/5)	13.2	25.8 (12)	26.2 (12)
1973	768 (12)	7.8 (68.7/6)	8.3	-3.42 (68.7/6)	-2.19	-14.5 (68.7/6)	-4.7	13.0 (68.7/6)	12.9	26.0 (12)	25.9 (12)
1974	784 (12)									25.7 (12)	25.2 (12)
1975	1091 (12)									25.5 (12)	25.1 (12)
1976	1058 (12)									25.6 (12)	25.8 (12)
Long Term Means 1139											
				-2.83	-2.03	-13.3	-7.1	9.3	8.5	25.7	25.6
σ				0.56	0.53	5.3	3.9	3.4	1.6	0.2	0.6

MONTHLY MEANS

Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	77	17		-1.80	1.50	13	-6.3	10.6	11	7.0	5.7	11	27.2	1.3	17	27.4	2.0	17
Feb	63	17		-1.92	1.60	10	-6.3	11.8	10	9.1	4.6	10	27.6	0.5	17	27.7	1.1	17
Mar	149	17		-2.94	1.39	12	-12.7	12.0	11	10.8	4.9	11	27.4	0.5	17	28.7	0.9	17
Apr	288	17		-3.44	1.03	12	-16.9	6.0	10	10.5	7.8	10	26.4	0.4	17	28.7	1.0	17
May	150	17		-2.22	0.69	11	-6.5	7.4	11	11.3	5.8	11	25.5	0.4	17	26.0	1.3	17
Jun	37	17		-1.10	1.36	10	-0.1	10.1	9	7.8	3.4	9	24.2	0.4	17	22.8	1.0	17
Jul	31	17		-0.67	2.00	7	-1.0	14.7	7	4.4	4.6	7	23.6	0.4	17	22.1	1.1	17
Aug	26	17		-1.71	1.47	10	-0.6	9.0	9	11.5	6.2	9	23.7	0.4	17	21.8	1.2	17
Sep	33	17		-0.81	1.11	9	2.5	9.4	9	9.0	3.7	9	24.2	0.4	17	22.5	1.1	17
Oct	65	17		-1.47	1.39	12	-2.7	10.8	12	9.1	4.5	12	25.2	0.4	17	24.3	1.4	17
Nov	116	17		-2.31	1.36	9	-13.0	13.3	9	5.5	4.3	9	26.3	0.3	17	26.4	1.6	17
Dec	103	17		-3.19	2.50	11	-17.7	19.5	11	7.8	4.5	11	27.2	0.5	17	28.3	0.9	17

CORRELATIONS

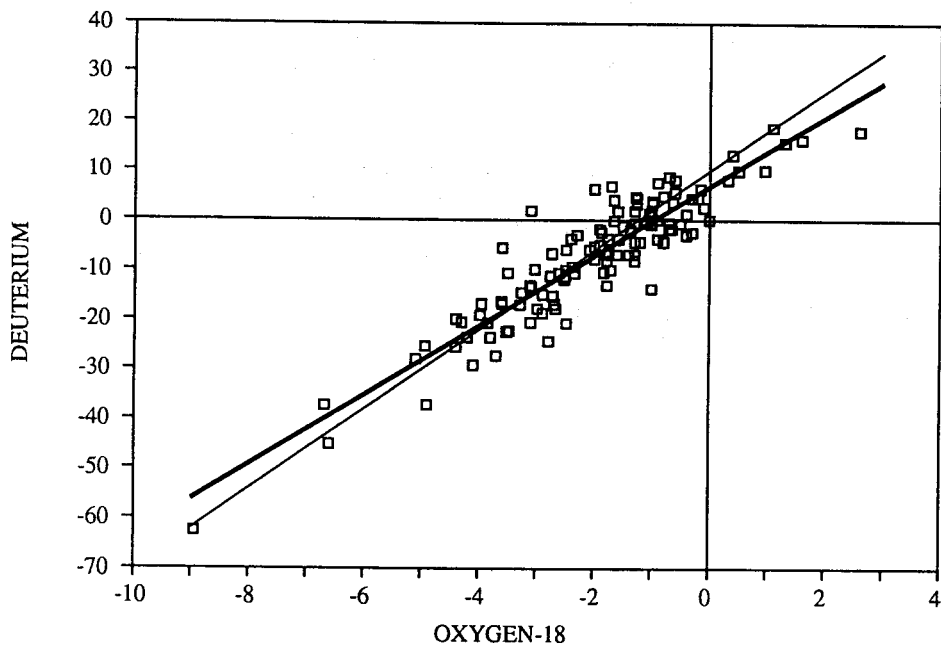
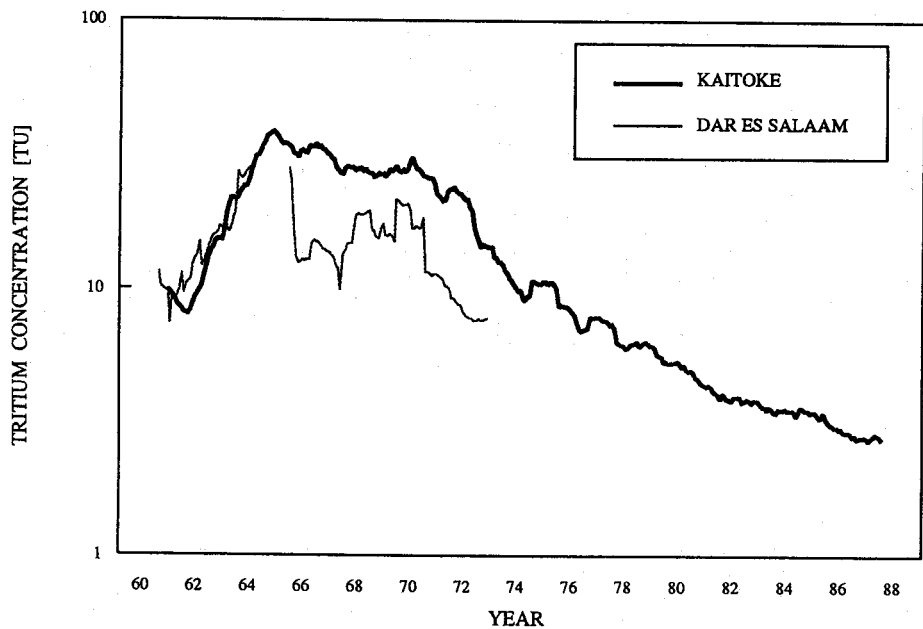
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	119	0.21	0.22	0.78	0.29	0.008	0.56
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	9	0.38	0.22	0.58	0.30	0.285	0.13
3) Monthly Deut vs. Monthly Precipitation	119	-0.07	0.01	0.50	1.45	0.307	10.78
4) Monthly Oxyg-18 vs. Monthly Prec	126	-0.01	0.00	-1.07	0.18	0.296	1.40
5) Monthly Deut vs. Monthly Temperature	119	-3.18	0.72	75.30	18.72	0.143	11.99
6) Monthly Oxyg-18 vs. Monthly Temp	126	-0.36	0.09	7.35	2.37	0.113	1.58
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	119	7.01	0.28	6.83	0.72	0.845	5.09
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	119	7.62	0.27	8.05	0.86	0.845	5.09

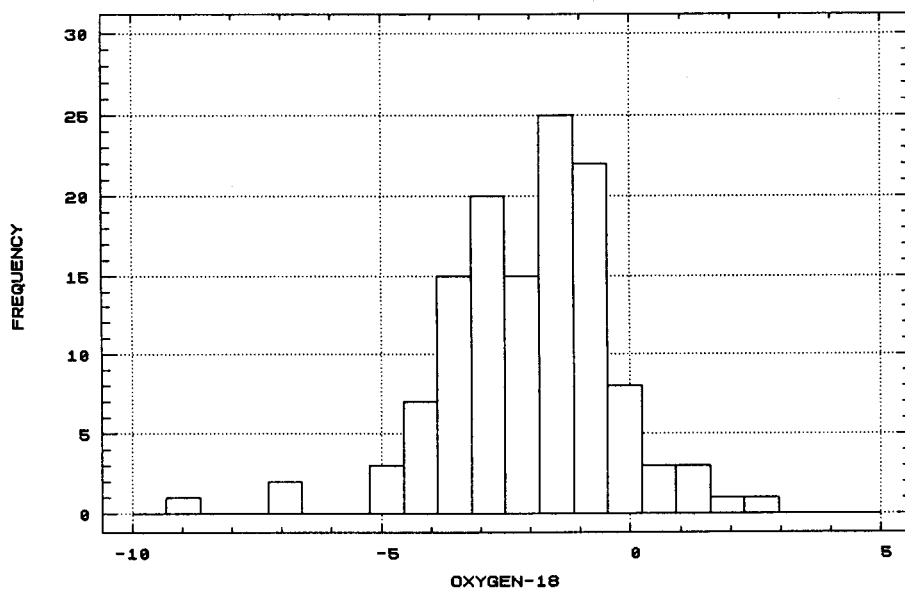
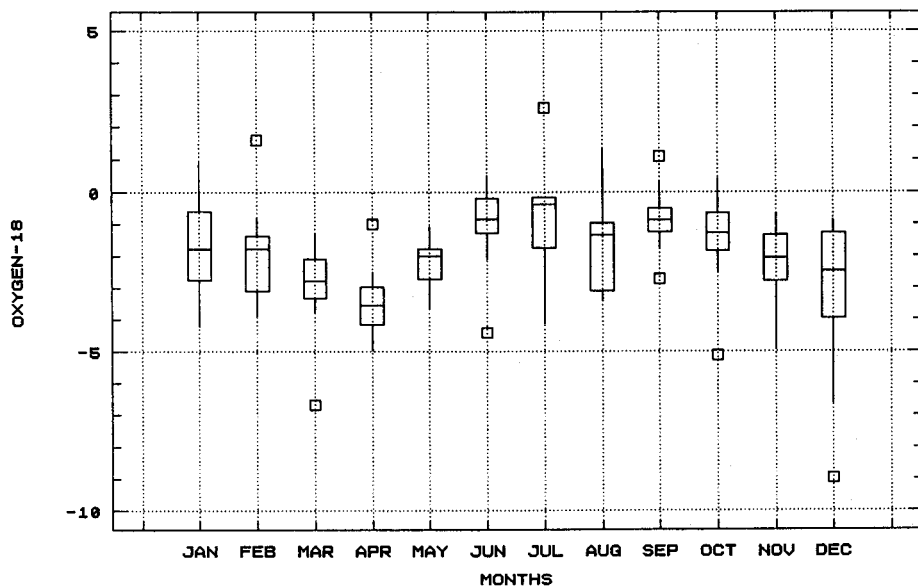
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
63 / 9	9.10	34.2		
68 / 7	0.52	-10.0		
72 / 7	-0.43	29.4		

6389400 DAR ES SALAAM, UNITED REPUBLIC OF TANZANIA

Lat. 6.88S Long. 39.20E Alt. 55 m a.s.l.





6470000 N'DJAMENA, CHAD

Lat. 12.13N Long. 15.03E Alt. 294 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp.	Vap. Pr.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1960	538 (12)									28.2 (12)	16.9 (12)
1961	780 (12)									27.5 (12)	15.2 (12)
1962	490 (12)									28.1 (12)	16.3 (12)
1963	498 (12)	1332.3 (31.1/2)	1213.0							28.3 (12)	15.7 (12)
1964	478 (12)			2.45 (62.5/4)	1.63	12.4 (62.5/4)	7.3	-7.3 (62.5/4)	-5.7	27.8 (12)	16.4 (12)
1965	587 (12)	389.6 (85.6/5)	370.4	-2.52 (98.1/7)	2.09	-6.3 (98.1/7)	20.5	14.0 (98.1/7)	3.8	27.8 (12)	17.4 (12)
1966	593 (12)	293.9 (100.0/7)	274.5	-3.20 (71.6/5)	-2.00	-19.2 (82.7/6)	-13.2	7.1 (71.6/5)	4.9	28.0 (12)	19.5 (12)
1967	611 (12)	156.2 (99.8/6)	137.0	-5.36 (94.5/6)	-4.19	-29.1 (100.0/7)	-19.6	11.6 (94.5/6)	9.1	27.6 (12)	17.0 (12)
1968	560 (12)	123.9 (100.0/6)	122.7	-4.23 (100.0/6)	-2.24	-25.9 (100.0/6)	-13.4	8.0 (100.0/6)	4.5	27.8 (12)	18.0 (12)
1969	465 (12)	161.5 (99.5/7)	139.2	-3.13 (87.7/7)	-0.89	-13.8 (87.7/7)	1.1	11.3 (87.7/7)	8.2	28.9 (12)	17.6 (12)
1970	652 (12)	114.2 (100.0/6)	106.4	-6.85 (99.0/5)	-4.13	-38.1 (99.0/5)	-21.7	16.7 (99.0/5)	11.4	27.7 (12)	15.8 (12)
1971	423 (12)	150.0 (96.9/3)	148.4	-5.89 (100.0/5)	-2.06					27.7 (12)	15.3 (12)
1972	603 (12)	91.4 (99.3/6)	83.4	-1.20 (100.0/7)	0.33					28.2 (12)	16.2 (12)
1973	319 (12)	41.5 (98.7/5)	37.6	-3.20 (99.3/6)	0.21	-18.7 (94.3/5)	4.0	8.5 (94.3/5)	2.6	29.0 (12)	14.7 (12)
1974	425 (12)	55.4 (98.5/6)	55.9	-3.23 (68.2/6)	-0.68	-13.1 (68.2/6)	3.2	12.8 (68.2/6)	8.6		
1975	753 (12)	52.1 (99.2/5)	48.6	-5.18 (100.0/7)	-1.69	-29.5 (100.0/7)	-3.5	12.0 (100.0/7)	10.1	27.2 (12)	16.7 (12)
1976	600 (12)									27.6 (12)	17.3 (12)
1977	540 (12)	36.3 (89.6/4)	38.5	-3.06 (89.6/4)	-1.87	-12.5 (89.6/4)	-4.3	12.0 (89.6/4)	10.8	27.4 (12)	14.9 (12)
1978	667 (12)	40.6 (93.5/5)	38.6	-3.68 (97.3/6)	-2.15	-21.0 (97.3/6)	-11.0	8.6 (97.3/6)	6.2	27.3 (12)	17.1 (12)
Long Term Means 557				-4.11	-1.51	-22.5	-6.2	11.6	7.4	27.9	16.6
σ				1.66	1.87	9.5	12.5	2.8	3.2	0.4	1.2

MONTHLY MEANS

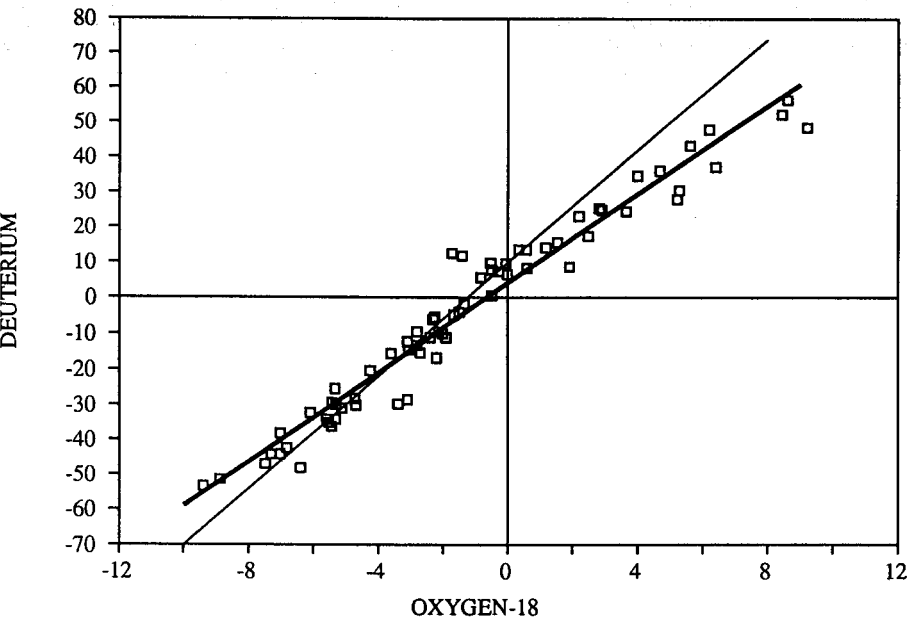
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	0	19										22.9	1.3	19	7.8	1.3	19
Feb	0	19										25.9	1.2	19	7.2	1.4	19
Mar	1	19	3.20	9.55	2	19.8	64.7	2	-5.8	11.6	2	29.7	1.1	19	8.2	1.7	19
Apr	12	19	3.58	3.50	7	19.0	24.6	7	-6.5	7.8	6	32.7	0.6	19	14.0	2.8	19
May	25	19	0.47	2.07	12	6.4	19.0	9	4.6	4.4	9	32.4	0.6	19	18.6	2.8	19
Jun	58	19	1.68	3.33	13	15.8	18.8	11	4.1	11.3	11	30.5	1.0	19	22.4	2.0	19
Jul	154	19	-3.59	1.78	13	-18.2	16.2	11	11.6	5.0	11	27.7	0.9	18	25.2	1.5	18
Aug	197	19	-5.58	2.97	13	-32.2	16.6	11	11.6	6.9	11	26.3	0.7	18	26.5	1.3	18
Sep	94	19	-3.68	2.43	13	-20.1	16.9	12	11.2	4.4	11	27.3	0.7	18	26.7	1.2	18
Oct	17	19	0.88	4.68	7	10.4	33.7	6	4.0	14.0	6	28.6	0.7	18	21.1	2.7	18
Nov	0	19	4.68		1	36.1		1	-1.3		1	26.2	1.1	18	11.4	2.8	18
Dec	0	19										24.0	1.3	18	8.8	1.6	18

CORRELATIONS

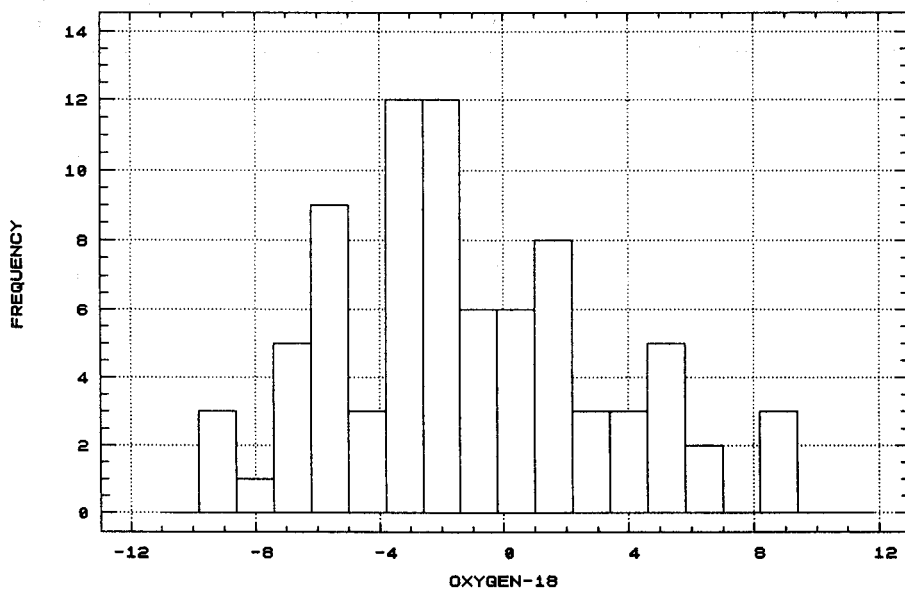
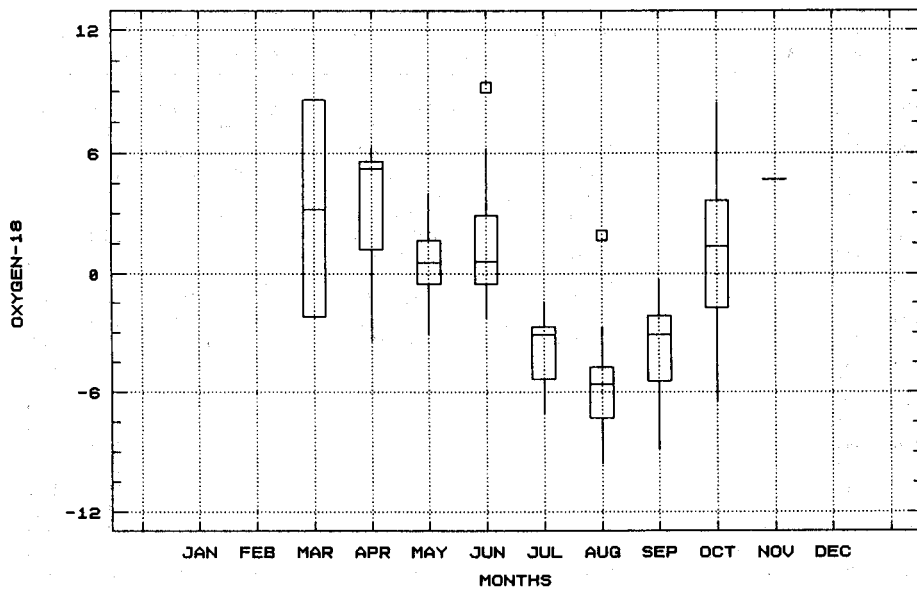
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	70	0.86	0.08	-0.05	0.20	0.608	0.22
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	13	1.12	0.10	-0.59	0.24	0.914	0.10
3) Monthly Deut vs. Monthly Precipitation	70	-0.22	0.03	15.01	3.87	0.400	21.84
4) Monthly Oxyg-18 vs. Monthly Prec	81	-0.04	0.00	1.94	0.54	0.438	3.23
5) Monthly Deut vs. Monthly Temperature	67	7.25	1.12	-215.29	32.91	0.390	22.41
6) Monthly Oxyg-18 vs. Monthly Temp	78	1.15	0.15	-34.80	4.43	0.433	3.29
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	68	6.31	0.17	4.19	0.76	0.955	6.02
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	68	6.46	0.17	4.39	1.04	0.955	6.02

6470000 N'DJAMENA, CHAD

Lat. 12.13N Long. 15.03E Alt. 294 m a.s.l.



0.10000000000000000
 0.00000000000000000



6504600 KANO, NIGERIA

Lat. 12.05N Long. 8.53E Alt. 476 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	772 (12)			-6.00 (99.7/5)	-4.06	-37.6 (99.7/5)	-23.1	10.4 (99.7/5)	9.4	25.6 (12)	14.6 (12)
1962	1140 (12)			-3.71 (87.7/4)	-3.63	-27.5 (87.7/4)	-26.1	2.2 (87.7/4)	3.0	26.2 (12)	17.0 (12)
1963	698 (12)			-5.54 (99.2/6)	-2.95	-41.2 (99.2/6)	-19.5	3.1 (99.2/6)	4.2	26.2 (12)	16.2 (12)
1964	661 (12)			-3.84 (99.3/5)	-2.89	-20.9 (99.3/5)	-14.9	9.8 (99.3/5)	8.2	26.3 (12)	15.2 (12)
1965	944 (12)			-1.73 (95.4/5)	-1.85	-11.5 (95.4/5)	-11.6	2.4 (95.4/5)	3.2	26.1 (12)	16.3 (12)
1966	792 (12)			-4.85 (65.1/3)	-4.66	-20.5 (65.1/3)	-19.9	18.3 (65.1/3)	17.4	26.3 (12)	17.4 (12)
1967	787 (12)									26.1 (12)	17.2 (12)
1968	611 (12)									25.9 (12)	15.8 (12)
1969	906 (12)									26.7 (12)	17.0 (12)
1970	908 (12)									25.6 (12)	15.1 (12)
1971	693 (12)	129.0 (99.5/5)	121.1	-7.32 (74.4/4)	-5.09					25.7 (12)	15.0 (12)
1972	589 (12)	65.0 (100.0/7)	71.4	-2.23 (98.6/5)	-1.92	-7.2 (46.3/3)	-4.6	9.0 (46.3/3)	8.1	26.2 (12)	16.1 (12)
1973	416 (12)	55.0 (90.1/3)	52.9	-0.80 (18.0/2)	-0.79	2.4 (18.0/2)	2.2	8.7 (18.0/2)	8.5	27.1 (12)	15.2 (12)
Long Term											
Means 763											
σ											
				-3.81	-2.88	-27.2	-19.1	5.2	5.6	26.2	16.0
				1.71	0.89	12.2	5.8	4.2	3.0	0.4	0.9

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	0	13										21.3	1.3	13	7.0	1.1	13
Feb	0	13										23.9	1.8	13	6.7	1.2	13
Mar	2	13										28.2	1.4	13	8.9	3.1	13
Apr	11	13	2.40		1	22.3		1	3.1		1	30.9	0.8	13	14.6	2.2	13
May	54	13	-2.18	3.11	6	-7.2	23.2	5	10.3	7.5	5	30.8	1.4	13	19.7	2.4	13
Jun	121	13	-1.71	0.66	9	-5.9	6.5	8	8.1	5.1	8	28.5	1.2	13	23.4	1.8	13
Jul	189	13	-3.68	1.38	6	-20.5	10.9	5	10.9	4.4	5	26.2	0.7	13	24.9	1.0	13
Aug	260	13	-5.55	2.92	8	-38.2	16.5	6	4.5	11.4	6	25.4	1.1	13	26.1	1.8	13
Sep	115	13	-3.21	2.87	8	-17.8	19.3	7	3.7	3.2	7	25.8	1.2	13	24.5	2.9	13
Oct	11	13	-3.40		1	-20.5		1	6.7		1	26.5	1.2	13	18.6	3.1	13
Nov	0	13										23.8	1.7	13	9.4	2.1	13
Dec	0	13										21.9	1.4	13	7.8	0.9	13

CORRELATIONS

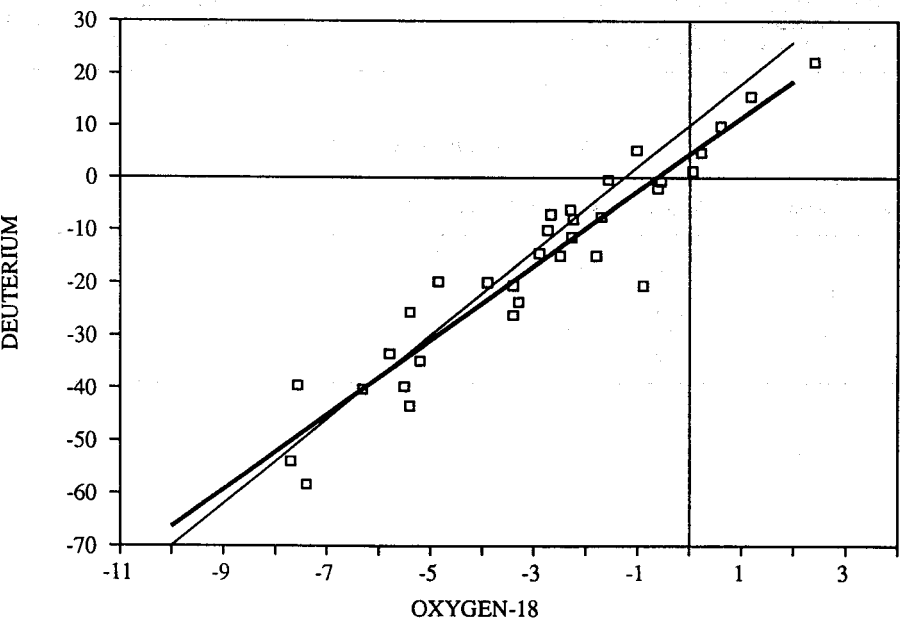
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	15	-0.04	0.26	1.97	0.57	0.002	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	3	1.18	0.14	-0.71	0.30	0.987	0.03
3) Monthly Deut vs. Monthly Precipitation	33	-0.11	0.03	0.26	4.59	0.389	15.38
4) Monthly Oxyg-18 vs. Monthly Prec	39	-0.01	0.00	-0.99	0.64	0.312	2.29
5) Monthly Deut vs. Monthly Temperature	33	5.22	1.14	-159.94	31.50	0.403	15.20
6) Monthly Oxyg-18 vs. Monthly Temp	39	0.66	0.15	-21.08	4.25	0.328	2.26
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	33	7.08	0.43	4.38	1.68	0.896	6.35
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	33	7.48	0.42	5.55	1.96	0.896	6.35

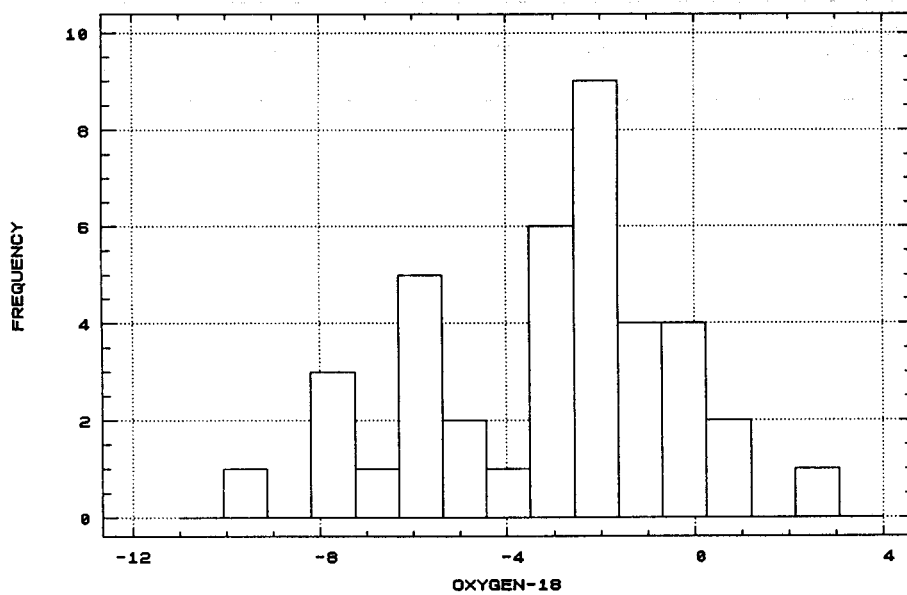
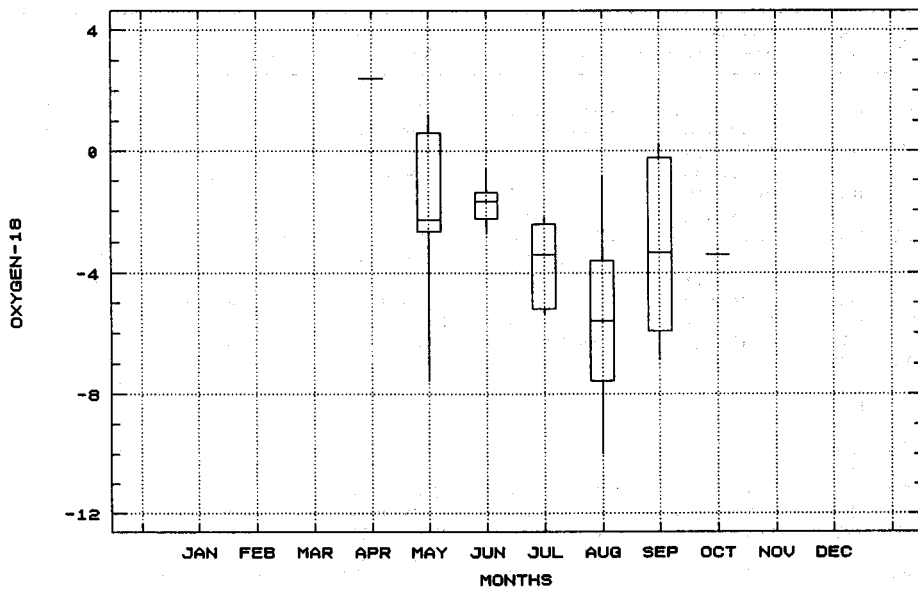
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
61	/ 4	9.60	54.7		
62	/ 10	4.40	21.1		
65	/ 5	11.11	62.4		
66	/ 4	8.30	47.7		
66	/ 7	9.39			

6504600 KANO, NIGERIA

Lat. 12.05N Long. 8.53E Alt. 476 m a.s.l.





6621500 MALANGE, ANGOLA

Lat. 9.55S Long. 16.37E Alt. 1139 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1969	1229 (12)	26.9 (99.7/9)	27.2	-4.99 (99.3/9)	-3.85	-29.2 (99.3/9)	-19.7	10.8 (99.3/9)	11.2	22.1 (12)	18.0 (12)
1970	980 (12)	32.5 (99.0/8)	34.1	-4.47 (99.6/9)	-4.77	-23.7 (99.6/9)	-26.6	12.1 (99.6/9)	11.6	21.1 (12)	17.9 (12)
1971	1024 (12)	50.3 (81.9/7)	50.1	-3.79 (100.0/10)	-2.47					20.7 (12)	17.1 (12)
1972	1084 (12)	24.5 (93.2/6)	25.2	-4.78 (100.0/10)	-3.05	-34.0 (38.7/2)	-33.1	14.8 (38.7/2)	15.9	21.3 (12)	17.0 (12)
1973	1325 (12)	26.8 (89.6/6)	25.0	-4.81 (100.0/9)	-4.27	-25.2 (100.0/9)	-21.6	13.3 (100.0/9)	12.6	21.4 (12)	17.6 (12)
1974	1218 (12)	23.4 (52.7/5)	24.1	-3.91 (84.0/9)	-3.44	-19.5 (84.0/9)	-13.3	11.9 (84.0/9)	14.3	21.0 (12)	17.1 (12)
1976	1159 (12)									22.2 (12)	
1977	1263 (12)									22.7 (12)	17.4 (12)
1978	1094 (12)									22.7 (12)	17.1 (12)
1979	1089 (12)	10.7 (100.0/10)	11.8	-5.47 (100.0/10)	-4.48	-32.1 (100.0/10)	-24.1	11.7 (100.0/10)	11.8	23.2 (12)	17.8 (12)
1980	892 (9)	10.5 (84.0/7)	10.7	-3.19 (84.0/7)	-3.01	-22.6 (38.4/3)	-22.1	6.4 (38.4/3)	6.6		
1981	745 (8)	8.3 (70.2/11)	10.4	-3.19 (68.0/9)	-1.93	-11.5 (69.7/10)	-3.8	13.6 (67.9/8)	11.0		
1982		7.3 (50.7/4)	7.3	-2.66 (18.6/2)	-2.41	-8.1 (18.6/2)	-6.3	13.2 (18.6/2)	13.1		
1983		9.1 (7.0/1)	9.1	-2.97 (24.7/2)	-3.14	-10.2 (39.1/3)	-10.8	16.7 (24.7/2)	16.7		
Long Term Means 1060				-4.48	-3.67	-26.1	-21.1	12.0	12.3	21.9	17.5
σ				0.75	0.80	4.9	5.0	0.9	1.2	0.8	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	123	12	-4.06	2.29	10	-24.1	16.0	8	11.5	4.4	8	22.2	0.8	12	19.6	0.9	12
Feb	75	12	-4.42	2.38	11	-25.1	20.0	9	12.7	5.0	9	22.9	1.1	12	19.1	1.4	12
Mar	188	12	-4.84	1.43	10	-28.0	14.1	7	13.1	2.6	7	22.7	1.0	12	20.2	1.6	12
Apr	152	11	-4.30	1.64	6	-17.7	18.0	6	13.5	4.3	4	22.4	0.8	11	20.2	0.8	11
May	19	11	-3.59	2.58	7	-23.8	18.2	5	12.2	2.7	5	22.1	1.1	11	15.8	1.1	11
Jun	1	11										20.5	1.3	11	11.5	0.5	11
Jul	0	11	0.10		1							20.4	1.0	11	11.1	0.7	11
Aug	11	11	0.78	1.13	5	16.0	4.9	4	16.7	6.5	3	21.5	1.2	11	13.8	1.4	11
Sep	44	12	0.23	1.51	9	8.0	7.5	6	9.0	6.2	6	22.3	1.1	12	16.7	1.2	12
Oct	122	12	-2.76	2.06	9	-9.8	21.6	6	12.7	2.8	6	22.4	1.0	12	19.5	1.8	11
Nov	233	11	-4.27	1.50	9	-20.0	11.7	7	11.1	2.8	7	21.8	0.9	11	20.3	0.4	11
Dec	137	11	-5.60	1.44	9	-32.2	15.2	8	11.2	5.8	8	21.9	1.1	11	19.8	0.8	11

CORRELATIONS

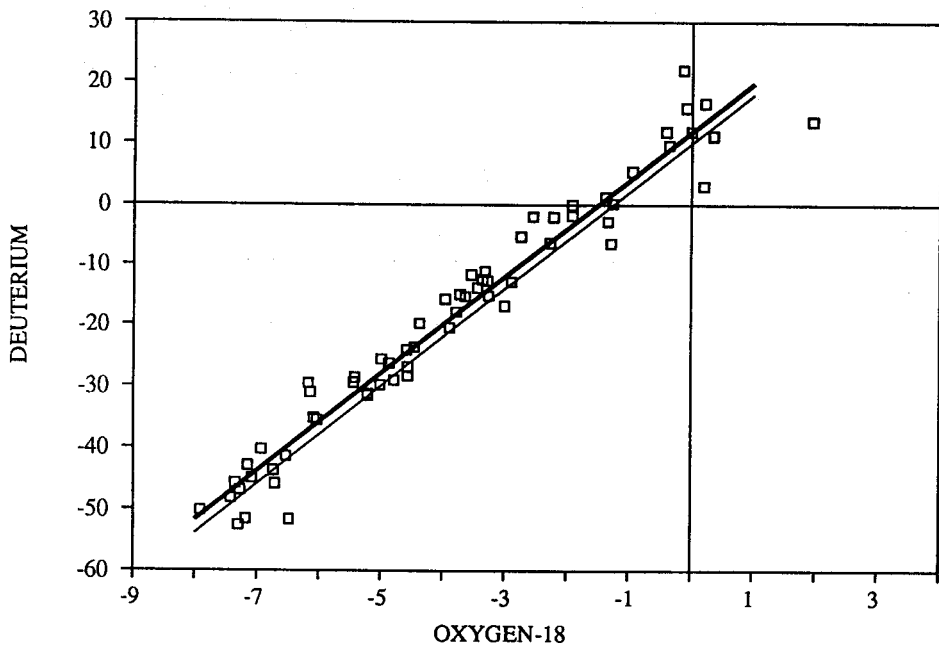
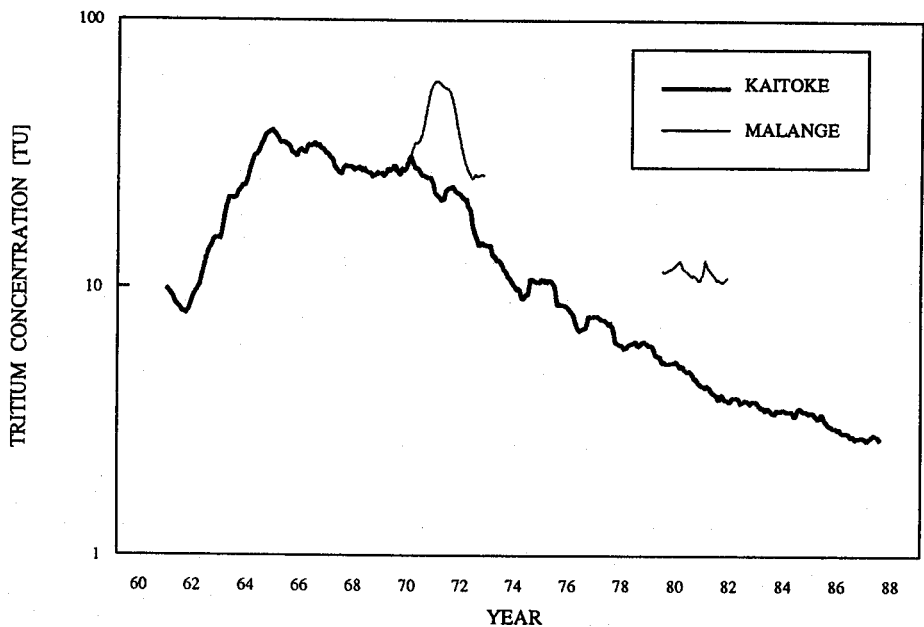
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	74	0.66	0.06	0.59	0.06	0.657	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	7	0.67	0.15	0.59	0.18	0.800	0.12
3) Monthly Deut vs. Monthly Precipitation	66	-0.09	0.03	-7.11	3.93	0.153	18.71
4) Monthly Oxyg-18 vs. Monthly Prec	86	-0.01	0.00	-1.74	0.43	0.217	2.33
5) Monthly Deut vs. Monthly Temperature	58	2.19	2.72	-68.10	60.73	0.011	20.76
6) Monthly Oxyg-18 vs. Monthly Temp	79	-0.14	0.28	-0.52	6.22	0.003	2.69
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	63	7.96	0.23	11.91	1.04	0.953	4.41
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	63	8.15	0.22	12.66	1.16	0.953	4.41

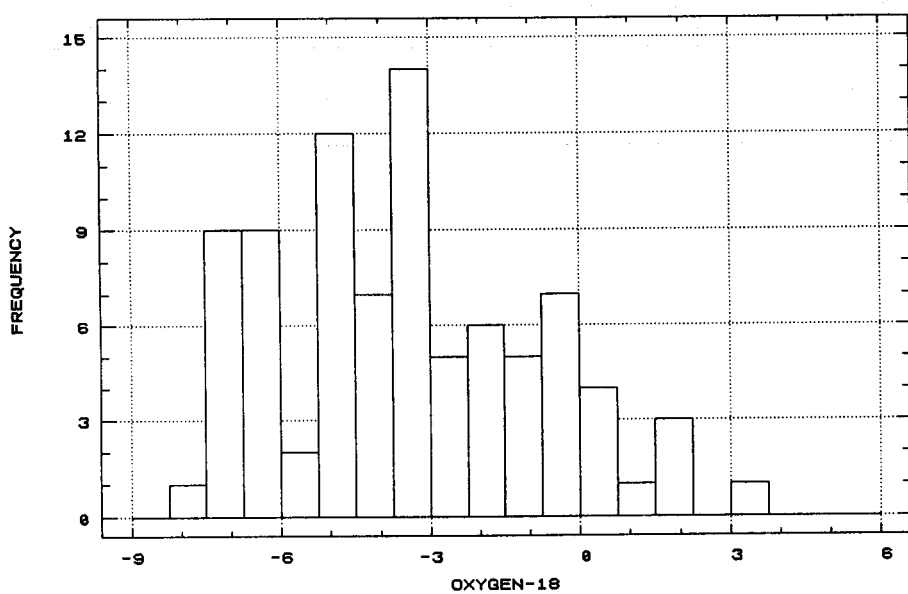
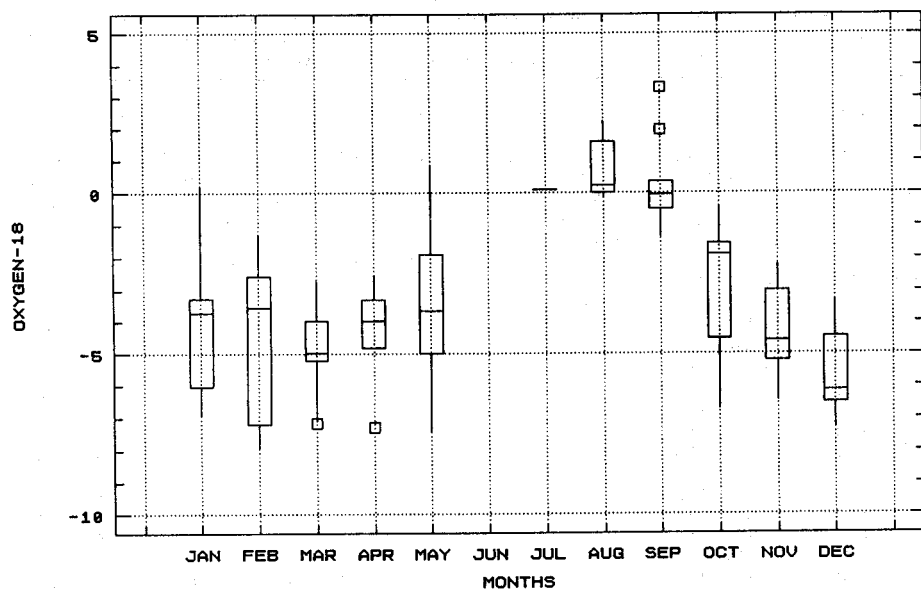
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
74 / 3		230.00	10.0	

6621500 MALANGE, ANGOLA

Lat. 9.55S Long. 16.37E Alt. 1139 m a.s.l.





6708500 ANTANANARIVO, MADAGASCAR

Lat. 18.90S Long. 47.53E Alt. 1300 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	1463 (12)			-10.20	-10.20 (27.8/1)	-68.2	-68.2 (27.8/1)	13.4	13.4 (27.8/1)	19.1 (12)	17.5 (12)
1962	1417 (12)	60.2 (50.8/5)	68.2	-4.97	-4.26 (99.9/10)	-23.4	-22.5 (99.9/10)	16.4	11.7 (99.9/10)	17.4 (12)	15.1 (12)
1963	1440 (12)	67.5 (66.3/8)	61.4	-5.74	-5.04 (98.8/10)	-31.7	-29.8 (98.8/9)	14.3	13.9 (98.8/9)	17.5 (12)	15.6 (12)
1964	1271 (12)	28.2 (99.5/10)	25.2	-5.70	-3.61 (100.0/12)	-32.5	-16.1 (100.0/12)	13.2	12.9 (100.0/12)	17.3 (12)	15.0 (12)
1965	1643 (12)	30.9 (99.7/10)	41.5	-7.94	-6.37 (99.5/11)	-45.0	-32.7 (99.5/11)	18.6	18.3 (99.5/11)	17.1 (12)	15.2 (12)
1966	1087 (12)	26.4 (90.0/7)	29.2	-6.30	-5.89 (26.4/2)	-40.5	-37.9 (26.4/2)	9.9	9.3 (26.4/2)	17.8 (12)	15.6 (12)
1967	1506 (12)	29.1 (95.7/7)	25.6							17.7 (12)	16.2 (12)
1968	1063 (12)	15.9 (100.0/10)	15.2							17.2 (12)	15.3 (12)
1969	1262 (12)	22.6 (96.0/7)	22.3							18.3 (12)	16.0 (12)
1970	1213 (12)	29.8 (83.2/8)	27.5							17.6 (12)	15.7 (12)
1971	1624 (12)	21.9 (74.1/5)	22.6							18.5 (12)	15.9 (12)
1972	1591 (12)	39.0 (74.7/8)	29.8	-8.29	-8.29 (16.4/1)	-55.8	-55.8 (16.4/1)	10.6	10.6 (16.4/1)	19.1 (12)	16.5 (12)
1973	1302 (12)	21.2 (80.0/5)	22.0	-13.95	-6.94 (71.2/8)	-101.1	-41.4 (71.2/8)	10.6	14.2 (71.2/8)	18.1 (12)	16.3 (12)
1974	1395 (12)	18.0 (94.8/8)	15.4	-7.43	-5.44 (100.0/12)	-45.8	-30.9 (100.0/12)	13.7	12.6 (100.0/12)	17.4 (12)	16.3 (12)
1975	1567 (12)	18.7 (60.3/3)	19.7	-8.95	-6.93 (63.8/4)	18.4	18.4 (2.1/1)			17.4 (12)	16.0 (12)
Long Term											
Means 1390											
σ											
				-6.41	-4.95	-36.0	-26.4	15.4	13.9	17.8	15.9
				1.27	1.06	9.6	6.9	2.3	2.6	0.6	0.6

MONTHLY MEANS

Month	Mean Prec.			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	247	15		-9.04	5.11	8	-65.0	41.5	7	10.8	2.5	7	20.2	0.7	15	18.9	0.7	15
Feb	241	15		-9.59	3.14	8	-63.4	27.6	7	11.8	4.5	7	20.5	0.7	15	19.3	0.4	15
Mar	194	15		-8.27	1.55	7	-53.1	11.4	6	10.8	3.4	6	19.9	0.7	15	18.7	0.9	15
Apr	49	15		-5.01	3.46	5	-19.0	26.6	6	13.5	9.1	5	19.1	0.8	15	17.3	1.1	15
May	19	15		-3.19	2.28	5	-13.2	17.1	5	12.4	5.0	5	17.0	1.1	15	15.0	1.3	15
Jun	10	15		-3.83	1.50	5	-14.3	16.7	5	16.3	5.7	5	14.7	0.6	15	13.0	0.8	15
Jul	11	15		-2.97	1.56	5	-9.6	9.9	4	17.5	1.4	4	14.2	0.9	15	12.6	0.8	15
Aug	16	15		-2.81	2.89	6	-9.7	24.0	6	12.8	8.7	6	14.3	0.9	15	12.3	0.7	15
Sep	9	15		-2.16	2.19	4	-5.8	15.1	4	11.5	5.8	4	16.0	0.7	15	12.9	0.8	15
Oct	53	15		-1.88	0.68	6	-1.9	4.7	5	14.9	3.4	5	18.1	0.9	15	14.5	0.9	15
Nov	193	15		-3.81	0.72	5	-14.1	4.9	5	16.4	5.4	5	19.6	0.8	15	17.0	0.8	15
Dec	349	15		-6.74	2.27	7	-36.9	19.9	7	17.1	4.7	7	19.9	0.7	15	18.3	0.9	15

CORRELATIONS

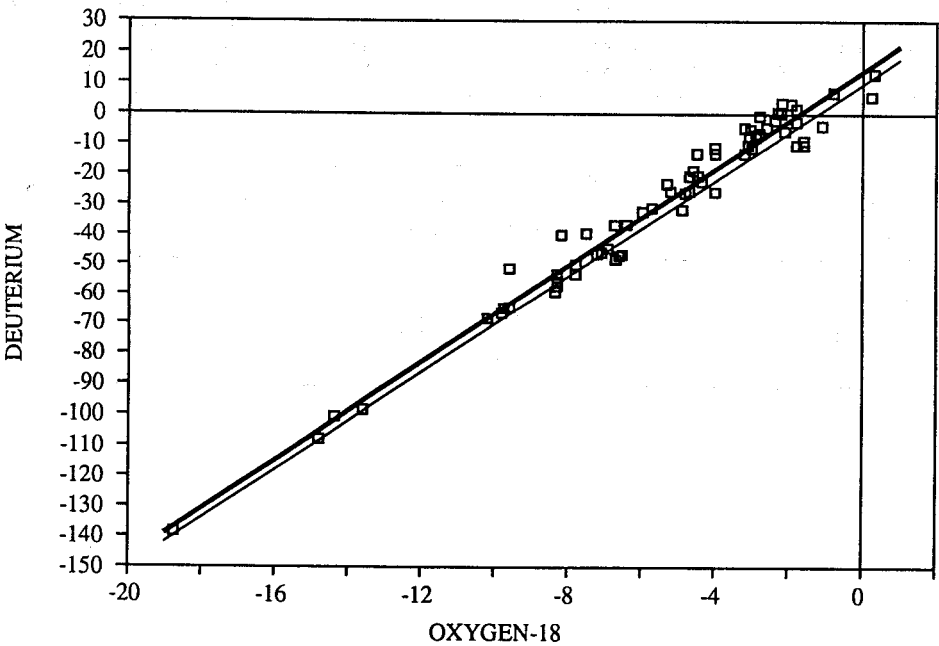
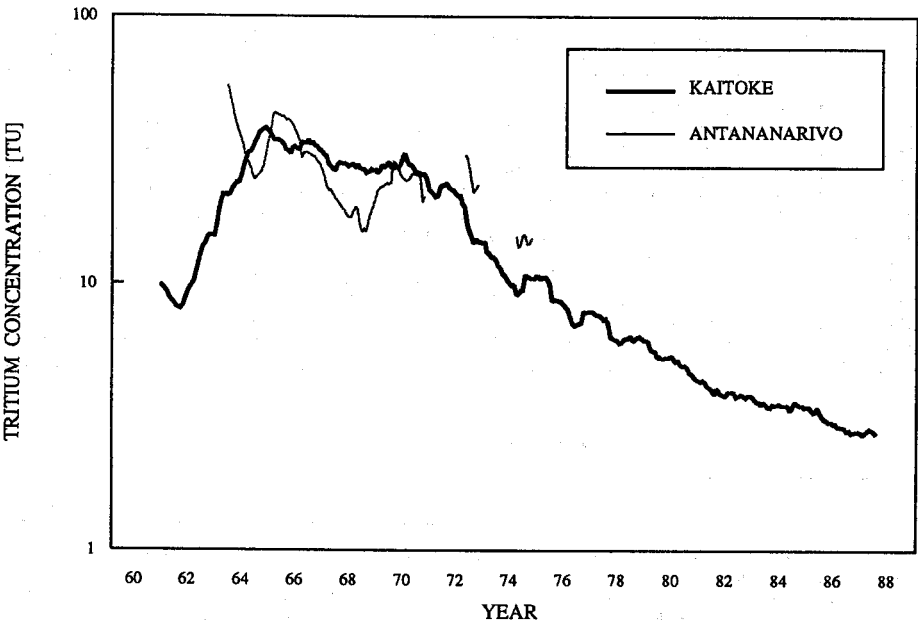
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	101	0.18	0.10	1.17	0.14	0.028	0.25
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	9	0.30	0.14	0.96	0.20	0.386	0.09
3) Monthly Deut vs. Monthly Precipitation	67	-0.11	0.02	-13.61	4.55	0.258	26.64
4) Monthly Oxyg-18 vs. Monthly Prec	71	-0.02	0.00	-3.27	0.52	0.332	3.09
5) Monthly Deut vs. Monthly Temperature	67	-7.01	1.27	96.07	22.81	0.319	25.52
6) Monthly Oxyg-18 vs. Monthly Temp	71	-0.89	0.15	10.51	2.64	0.349	3.05
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	66	8.06	0.18	14.00	1.17	0.969	5.37
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	66	8.19	0.18	14.69	1.33	0.969	5.37

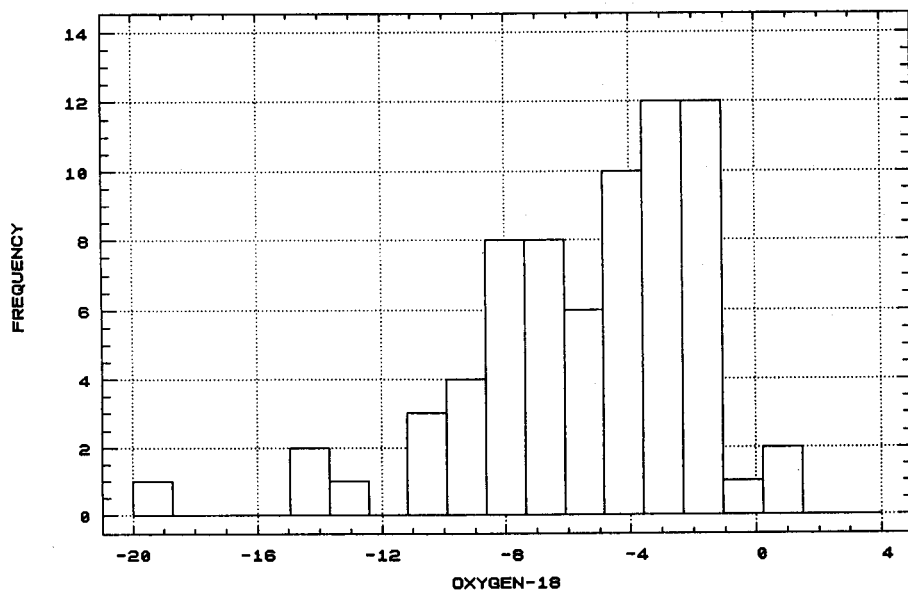
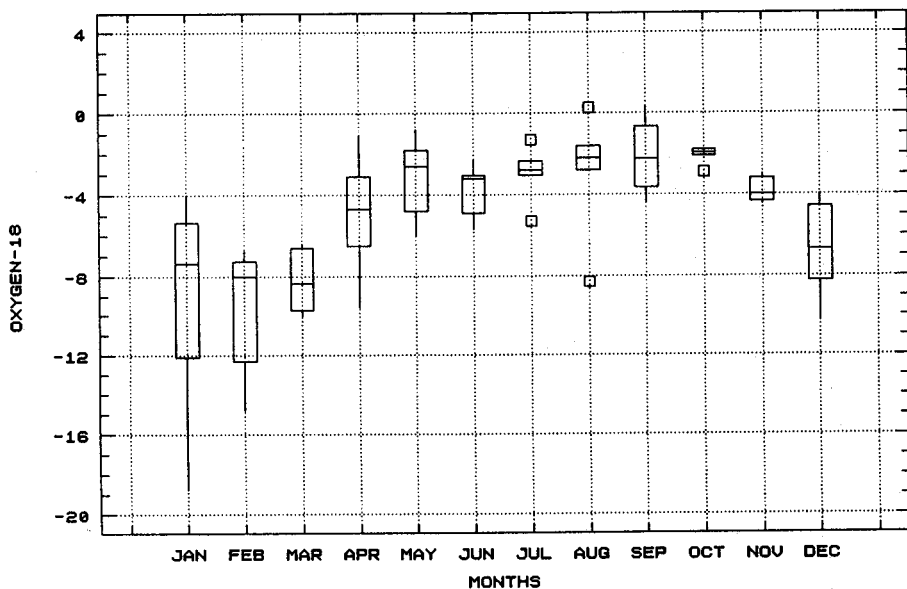
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
65 / 9	3.28	19.9		
66 / 6			1111.80	33.5
66 / 7			2236.00	48.0
66 / 8			882.00	28.0

6708500 ANTANANARIVO, MADAGASCAR

Lat. 18.90S Long. 47.53E Alt. 1300 m a.s.l.





6756100 NDOLA, ZAMBIA

Lat. 13.00S Long. 28.65E Alt. 1331 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Aver.	Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.			
1968	1160 (12)	22.2 (46.4/2)	21.0	-11.42 (46.4/2)	-7.68	-84.2 (46.4/2)	-54.0	7.2 (46.4/2)	7.4	20.4 (12)		
1969	1493 (12)	23.6 (70.0/5)	21.9	-10.20 (99.9/7)	-9.08	-66.2 (99.9/7)	-59.7	15.5 (99.9/7)	13.0	20.4 (12)	15.9 (12)	
1970	1303 (12)	29.3 (68.3/4)	27.2	-5.87 (100.0/8)	-5.47	-36.6 (100.0/8)	-32.9	10.5 (100.0/8)	10.9	20.6 (12)	14.8 (12)	
1971	1130 (12)	35.6 (99.5/6)	31.3	-6.54 (99.5/6)	-5.56					20.0 (12)	14.6 (12)	
1972	1012 (12)	26.7 (97.4/7)	23.7	-4.57 (61.8/4)	-4.00					20.6 (12)	15.5 (12)	
1973	899 (12)	18.6 (77.8/6)	17.5	-7.04 (58.2/4)	-5.97	-43.2 (58.2/4)	-36.2	13.2 (58.2/4)	11.6	20.5 (12)	14.5 (12)	
1974	1550 (12)	17.4 (95.6/6)	16.7	-3.05 (31.3/2)	-3.30	-12.2 (31.3/2)	-14.4	12.3 (31.3/2)	12.1	19.9 (12)	14.4 (12)	
1975	1200 (12)	14.0 (99.9/6)	14.2	-3.87 (99.9/6)	-3.89	-20.0 (99.9/6)	-20.1	11.0 (99.9/6)	11.1	20.2 (12)	14.1 (12)	
1976	1130 (12)	11.6 (84.9/5)	11.1	-8.30 (84.9/5)	-8.98	-55.0 (84.9/5)	-60.5	11.5 (84.9/5)	11.4	19.8 (12)	14.7 (12)	
1977	1714 (12)									20.5 (12)	14.7 (12)	
1978	1453 (12)	8.8 (33.0/3)	8.6	-6.79 (53.2/3)	-4.51	-56.7 (53.2/3)	-35.5	-2.5 (53.2/3)	0.7	20.2 (12)	15.3 (12)	
1979	1320 (12)	11.6 (50.3/3)	9.2							20.6 (12)	14.9 (12)	
1980	1273 (12)	7.8 (44.6/3)	8.1	-4.38 (44.6/3)	-3.40	-23.3 (44.6/3)	-16.1	11.7 (44.6/3)	11.2	20.3 (12)	14.4 (12)	
1981	1052 (12)	9.2 (77.5/4)	8.5	-4.96 (92.5/5)	-4.92	-23.4 (93.2/6)	-15.8	15.9 (92.5/5)	15.4	20.5 (12)	14.3 (12)	
1982	1200 (9)	12.8 (5.7/1)	12.8	-6.75 (72.9/6)	-4.71	-41.0 (72.9/6)	-28.7	13.1 (72.9/6)	9.1			
1983	1342 (12)			-5.86 (91.5/6)	-5.08	-30.7 (91.5/6)	-25.3	16.2 (91.5/6)	15.4	21.1 (12)	14.8 (12)	
1984	1291 (12)			-6.35 (99.9/7)	-5.23	-38.7 (99.9/7)	-31.4	12.2 (99.9/7)	10.5	20.5 (12)	14.4 (12)	
1985	779 (2)			-6.75 (66.4/5)	-5.76	-42.4 (65.9/4)	-43.4	12.0 (65.9/4)	11.9			
Long Term Means 1172												
				-6.59	-6.03	-39.5	-35.1	13.3	12.5	20.4	14.8	
σ				1.97	1.92	16.7	18.0	2.5	2.1	0.3	0.4	

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	273	17	-6.31	2.85	13	-37.7	22.0	11	12.4	6.2	11	21.1	1.0	17	19.7	0.6	16
Feb	268	17	-6.96	3.85	11	-45.0	32.3	9	14.2	2.7	9	20.9	0.7	17	19.8	0.6	16
Mar	167	17	-6.45	2.04	10	-38.6	17.4	9	11.8	3.5	9	21.0	0.6	17	19.3	0.9	16
Apr	53	18	-5.47	3.59	11	-34.7	29.5	10	10.7	3.4	10	20.5	0.5	18	16.5	1.3	17
May	6	18	-1.76	1.00	2	-18.2		1	0.4		1	18.7	0.6	18	13.1	0.9	17
Jun	0	17										16.4	0.7	17	10.3	0.7	16
Jul	0	17										16.6	0.6	17	9.5	0.6	16
Aug	0	17										19.1	0.6	17	9.5	1.2	16
Sep	4	17	-7.55		1	-43.6		1	16.8		1	22.4	0.8	17	9.9	0.9	16
Oct	31	16	-1.84	2.74	8	-1.9	24.3	8	9.1	2.6	7	23.9	0.6	16	12.6	1.3	16
Nov	117	16	-4.41	2.11	11	-27.5	18.3	9	9.4	2.8	9	22.4	0.8	16	16.8	1.3	15
Dec	350	16	-7.11	2.60	12	-46.5	25.0	11	11.0	5.8	11	20.8	0.6	16	19.4	0.6	15

CORRELATIONS

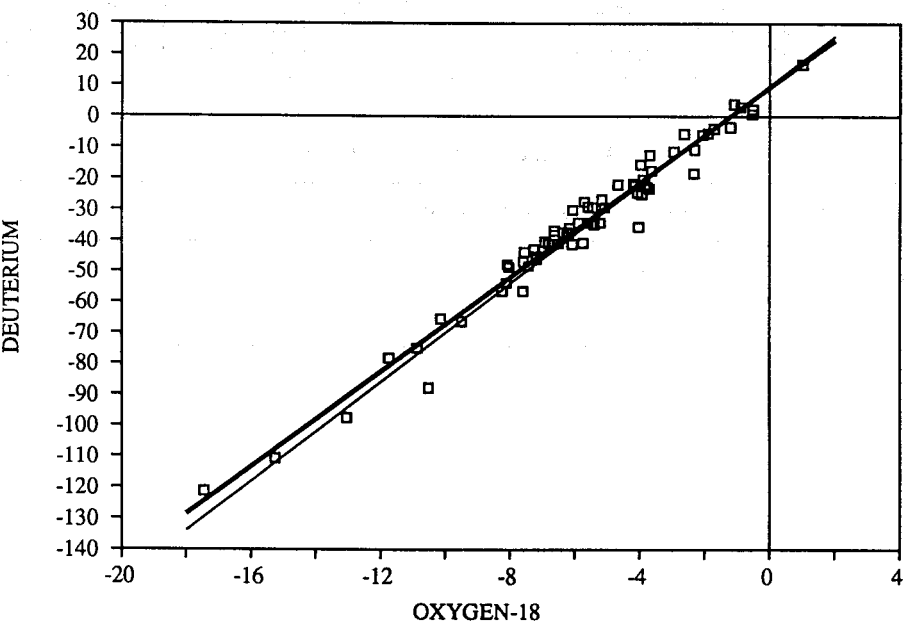
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	61	0.57	0.07	0.61	0.07	0.540	0.16
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	7	0.76	0.09	0.47	0.09	0.933	0.06
3) Monthly Deut vs. Monthly Precipitation	69	-0.08	0.02	-19.80	5.24	0.141	24.96
4) Monthly Oxyg-18 vs. Monthly Prec	79	-0.01	0.00	-3.76	0.58	0.165	2.96
5) Monthly Deut vs. Monthly Temperature	63	8.96	2.45	-224.63	52.36	0.180	24.85
6) Monthly Oxyg-18 vs. Monthly Temp	73	0.84	0.28	-23.35	6.03	0.110	3.08
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	68	7.66	0.16	9.29	1.09	0.971	4.45
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	68	7.78	0.16	9.94	1.20	0.971	4.45

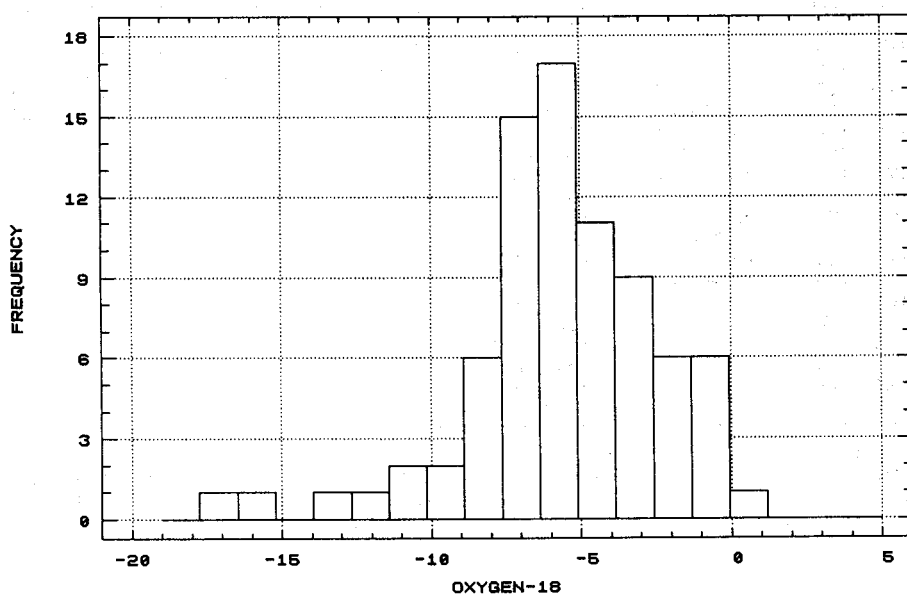
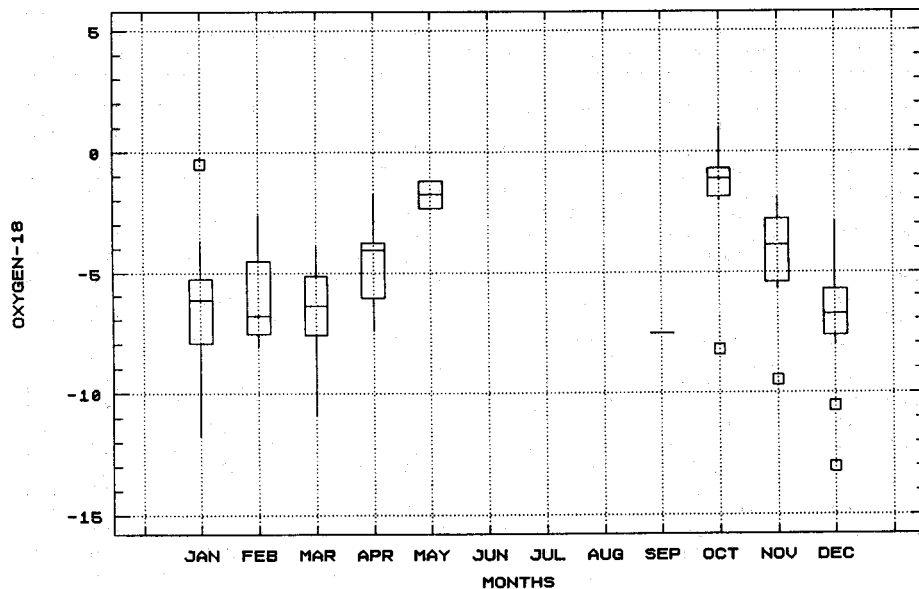
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
68 / 10	5.86	41.3		
79 / 2	-1.01	-43.2		
79 / 3	-8.45	-31.2		

6756100 NDOLA, ZAMBIA

Lat. 13.00S Long. 28.65E Alt. 1331 m a.s.l.





6777400 HARARE, ZIMBABWE

Lat. 17.83S Long. 31.02E Alt. 1471 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W.	Aver.	W.	Aver.	W.	Aver.	W.	Aver.		
1960	648 (12)	9.1 (42.4/2)	9.7	-0.40 (9.8/1)	-0.40	8.7 (9.8/1)	8.7	11.9 (9.8/1)	11.9	18.1 (12)	12.7 (12)
1961	956 (12)	11.2 (96.7/9)	18.8	-4.33 (92.7/10)	-2.90	-25.3 (92.7/10)	-13.6	9.5 (92.7/10)	9.7	18.3 (12)	13.7 (12)
1962	821 (12)	25.3 (98.4/6)	22.3	-5.43 (55.4/7)	-2.33	-31.9 (55.4/7)	-10.8	11.7 (55.4/7)	7.9	17.9 (12)	13.2 (12)
1963	749 (12)	43.9 (86.9/5)	39.6	-7.66 (90.2/6)	-5.47	-52.8 (90.2/6)	-34.4	8.5 (90.2/6)	9.5	17.4 (12)	12.6 (12)
1964	572 (12)	29.8 (93.8/5)	33.1	-6.20 (100.0/9)	-3.07	-37.1 (100.0/9)	-18.8	12.5 (100.0/9)	5.8	17.8 (12)	11.9 (12)
1965	693 (12)	35.0 (94.6/6)	32.3	-4.05 (99.7/7)	-2.86	-19.5 (88.3/6)	-10.5	14.2 (88.3/6)	12.5	17.3 (12)	12.0 (12)
1966	715 (12)	28.9 (97.9/7)	29.8	-5.37 (99.8/10)	-3.17	-27.4 (99.8/10)	-9.5	15.6 (99.8/10)	16.0	18.0 (12)	12.8 (12)
1967	886 (12)	29.5 (99.6/10)	31.4	-4.88 (100.0/11)	-2.40	-20.9 (100.0/11)	-3.8	18.2 (100.0/11)	15.4	18.0 (12)	13.5 (12)
1968	684 (12)	24.9 (51.3/7)	28.3	-6.22 (100.0/10)	-3.25	-51.8 (42.9/5)	-17.8	14.2 (42.9/5)	4.9	18.3 (12)	12.2 (12)
1969	1139 (12)	28.4 (100.0/9)	24.9			-46.8 (31.4/3)	-39.1			18.2 (12)	14.0 (12)
1970	545 (12)	27.9 (22.2/2)	26.6	-5.72 (77.7/6)	-2.70	-30.0 (77.7/6)	-8.4	15.9 (77.7/6)	13.3	18.5 (12)	12.8 (12)
1971	661 (12)			-4.50 (100.0/10)	-3.19	-21.0 (100.0/10)	-11.1	15.1 (100.0/10)	14.5	18.0 (12)	12.8 (12)
1972	879 (12)			-7.48 (100.0/10)	-4.40	-48.4 (91.5/8)	-26.1	13.8 (91.5/8)	13.7	17.9 (12)	12.7 (12)
1973	931 (12)			-7.19 (99.4/9)	-4.56	-35.1 (67.2/7)	-11.8	20.6 (67.2/7)	18.0	18.4 (12)	12.9 (12)
1974	1248 (12)			-7.46 (99.9/11)	-4.96	-42.5 (51.2/6)	-29.3	25.9 (51.2/6)	26.0	17.6 (12)	13.5 (12)
1975	788 (12)			-6.73 (99.8/7)	-4.84	-43.6 (79.1/5)	-25.3	11.1 (79.1/5)	10.7	17.9 (12)	12.6 (12)
1976	857 (12)	10.1 (68.2/4)	10.1	-5.59 (100.0/8)	-5.07					17.8 (12)	13.4 (12)
1977	1105 (12)	7.6 (100.0/9)	7.5	-6.50 (90.7/8)	-3.65						
1978	1189 (12)	6.9 (99.7/7)	7.0	-7.74 (99.7/7)	-6.41						
1979	751 (12)	5.9 (99.8/7)	6.4	-6.60 (100.0/8)	-4.11						
1980	618 (10)	6.8 (34.7/4)	6.5	-3.68 (76.3/9)	-2.78						
1981	1052 (10)			-3.60 (32.2/4)	-3.20						
1982	645 (11)			-6.55 (54.8/6)	-3.91						
1983	461 (6)			-3.60 (21.1/1)	-3.60						
Long Term Means 809											
				-6.14	-3.88	-32.4	-16.1	13.4	12.1	18.0	12.9
σ				1.31	1.14	12.2	9.6	3.0	3.1	0.3	0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	170	24	-6.42	1.99	18	-46.8	15.2	12	13.3	3.7	11	20.1	0.7	17	17.7	0.9	17
Feb	169	24	-7.51	3.27	19	-43.4	27.5	13	13.4	6.4	12	19.9	0.6	17	17.6	0.9	17
Mar	94	24	-5.04	2.79	20	-23.6	16.1	13	11.4	7.5	12	19.6	0.7	17	16.0	1.4	17
Apr	47	24	-3.35	2.46	19	-13.1	10.8	12	13.2	9.9	12	18.1	0.6	17	14.0	1.2	17
May	9	24	-1.63	2.87	12	1.4	19.4	9	17.2	10.7	8	15.6	1.3	17	10.8	0.8	17
Jun	2	23	-0.95	1.27	6	9.0	12.0	6	12.6	5.8	5	13.3	0.8	17	9.0	1.3	17
Jul	3	21	-1.08	2.97	4	7.6	16.3	3	12.0	15.4	3	13.1	0.7	17	8.3	0.6	17
Aug	4	21	-0.47	2.62	9	4.6	17.8	6	7.0	6.9	6	15.3	0.8	17	8.6	0.8	17
Sep	9	23	-0.17	1.73	10	16.9	5.2	6	10.3	5.8	6	18.5	0.8	17	9.2	0.7	17
Oct	41	23	-0.23	2.38	19	6.8	14.5	11	9.4	10.2	11	20.8	0.9	17	11.6	1.3	17
Nov	105	23	-3.14	2.27	21	-13.2	19.4	12	14.4	6.1	12	20.5	0.8	17	14.6	1.4	17
Dec	172	23	-6.76	2.57	18	-34.7	17.2	8	15.1	4.4	8	20.2	0.9	17	16.8	1.1	17

CORRELATIONS

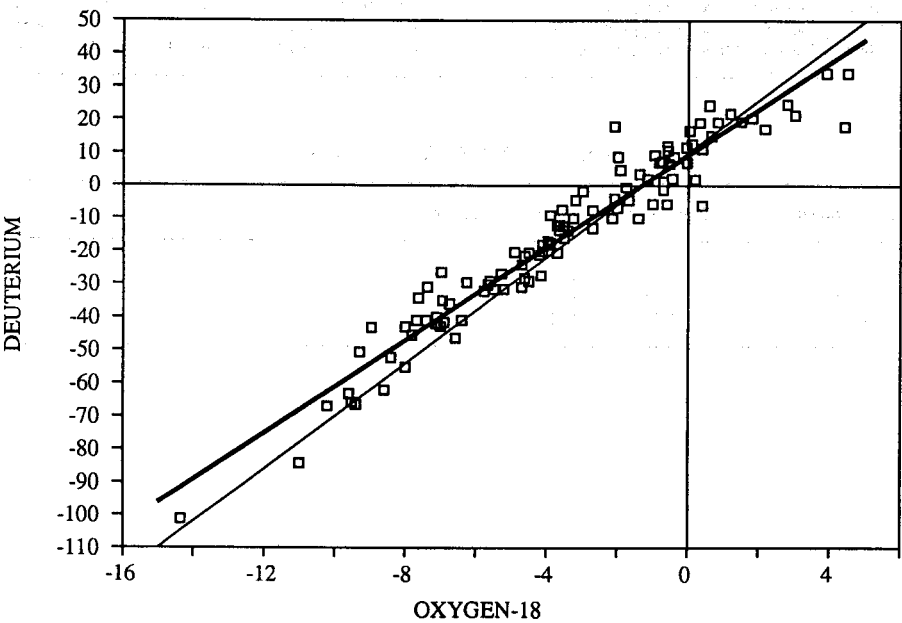
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	99	0.79	0.06	0.32	0.07	0.659	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	11	0.87	0.12	0.22	0.15	0.848	0.13
3) Monthly Deut vs. Monthly Precipitation	110	-0.22	0.02	2.52	2.61	0.476	19.37
4) Monthly Oxyg-18 vs. Monthly Prec	175	-0.03	0.00	-1.25	0.29	0.448	2.67
5) Monthly Deut vs. Monthly Temperature	110	-3.48	1.02	49.00	19.09	0.098	25.42
6) Monthly Oxyg-18 vs. Monthly Temp	132	-0.34	0.13	2.79	2.45	0.051	3.48
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	106	7.03	0.18	9.24	0.93	0.933	6.86
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	106	7.28	0.18	10.10	1.14	0.933	6.86

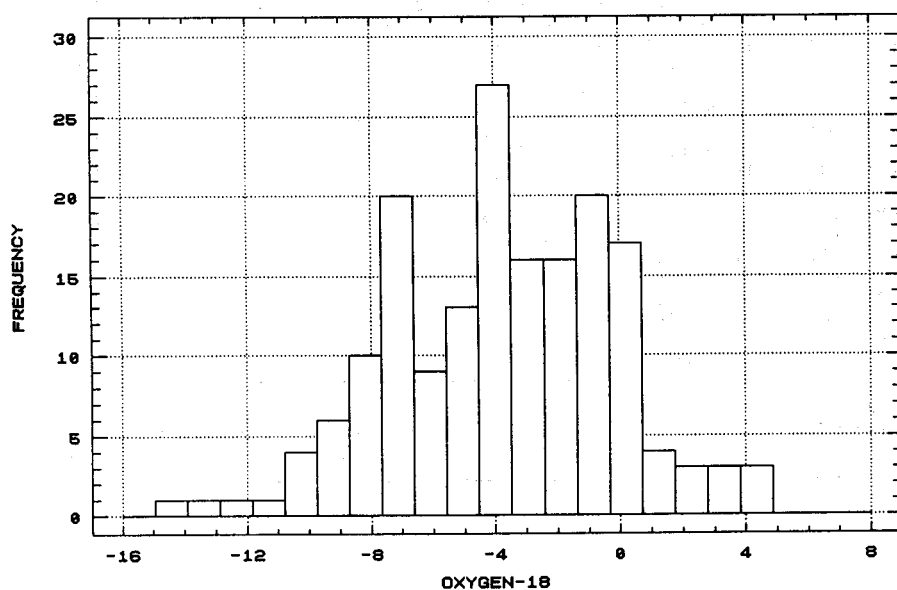
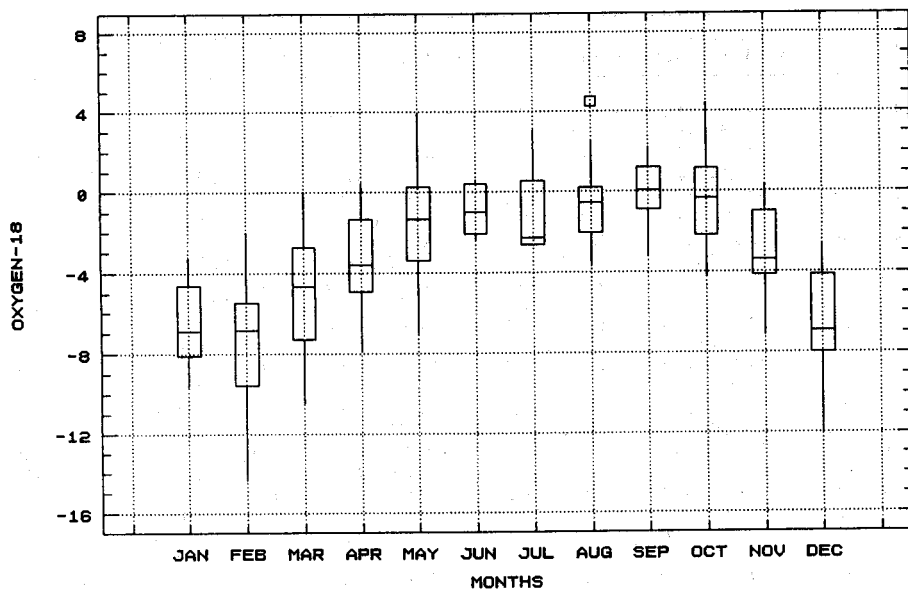
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
62	/ 9	7.80	54.7		
65	/ 5	-4.23	34.8		
73	/ 9	4.33	-39.2		

6777400 HARARE, ZIMBABWE

Lat. 17.83S Long. 31.02E Alt. 1471 m a.s.l.





6811000 WINDHOEK, NAMIBIA

Lat. 22.57S Long. 17.10E Alt. 1728 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	251 (12)	19.6 (51.7/5)	19.5	-3.54 (47.8/4)	-3.50	-11.3 (47.8/4)	-11.6	17.1 (47.8/4)	16.5	19.9 (12)	7.3 (12)
1962	242 (12)	32.8 (74.3/4)	43.6	-3.49 (99.5/7)	-2.05	-14.5 (99.5/7)	-5.2	13.5 (99.5/7)	11.2	20.1 (12)	6.4 (12)
1963	754 (12)	53.4 (99.8/9)	63.8	-6.12 (99.6/9)	-3.80	-32.9 (99.6/9)	-16.7	16.1 (99.6/9)	13.8	18.4 (12)	9.1 (12)
1964	194 (12)	55.9 (72.1/4)	55.0	-1.77 (92.2/5)	-1.72	-8.5 (92.2/5)	-6.9	5.7 (92.2/5)	6.9	19.5 (12)	6.2 (12)
1965	325 (12)			-0.22 (77.8/7)	0.47	8.1 (77.8/7)	12.6	9.8 (77.8/7)	8.8	19.1 (12)	7.4 (12)
1966	504 (12)	47.8 (64.6/4)	47.4	-6.78 (99.8/8)	-4.63	-39.0 (99.8/8)	-23.6	15.3 (99.8/8)	13.5	18.3 (12)	9.0 (12)
1967	356 (12)	43.7 (44.9/3)	44.5	-4.96 (75.2/8)	-1.65	-22.3 (100.0/9)	-4.8	13.3 (75.2/8)	9.1	18.8 (12)	9.0 (12)
1968	397 (12)	50.4 (99.4/7)	53.7	-5.94 (94.4/6)	-4.61	-33.1 (99.7/8)	-15.3	13.3 (94.4/6)	11.6	19.5 (12)	7.7 (12)
1969	281 (12)	35.9 (92.1/5)	40.0	-4.62 (98.2/6)	-3.97	-29.7 (99.6/7)	-28.6	7.6 (98.2/6)	6.2	20.0 (12)	7.2 (12)
1970	361 (12)	42.6 (100.0/7)	43.4	-1.99 (100.0/7)	-0.31	-4.5 (32.1/3)	1.4	14.6 (32.1/3)	10.8	20.2 (12)	6.9 (12)
1971	366 (12)	38.1 (96.7/5)	37.0	-1.74 (99.1/6)	-0.74	-7.8 (99.1/6)	-2.9	6.2 (99.1/6)	3.1	19.3 (12)	7.3 (12)
1972	425 (12)	29.0 (23.5/4)	30.0	-7.62 (22.1/3)	-5.59	-55.1 (22.1/3)	-35.0	5.9 (22.1/3)	9.8	19.6 (12)	7.5 (12)
1973	328 (12)	27.2 (87.8/5)	27.3	-2.82 (92.0/6)	-2.12	-9.6 (92.0/6)	-5.9	13.0 (92.0/6)	11.1	19.8 (12)	7.3 (12)
1974	622 (12)	25.6 (96.6/6)	26.9	-7.11 (96.6/6)	-4.90	-34.7 (77.6/5)	-14.4	15.2 (77.6/5)	15.5	17.9 (12)	8.8 (12)
1975	428 (12)	17.8 (99.0/7)	18.3	-4.12 (99.7/8)	-1.59	-28.3 (85.9/4)	-24.0	11.0 (85.9/4)	10.4	19.1 (12)	7.4 (12)
1976	513 (12)	12.3 (100.0/8)	17.2	-8.28 (100.0/8)	-4.08					18.3 (12)	7.5 (12)
1977	444 (12)	15.6 (99.7/7)	18.9	-7.59 (99.7/7)	-4.86					19.4 (12)	7.9 (12)
1978	317 (12)	13.3 (97.4/6)	14.1	-7.59 (99.3/7)	-3.67					18.8 (12)	7.5 (12)
1979	445 (12)	11.9 (92.5/8)	10.9	-3.68 (93.2/9)	-0.79					19.7 (12)	7.7 (12)
1980	364 (12)			-3.13 (99.4/8)	-1.58					19.4 (12)	6.6 (12)
1984	273 (12)	6.3 (97.0/6)	6.7							20.1 (12)	7.7 (12)
1985	304 (11)	5.5 (79.0/7)	4.9								
1986		6.4 (75.8/4)	6.3								

Long Term

Means 385

σ

-5.03	-2.59	-24.5	-11.3	12.6	10.1	19.3	7.6
2.43	1.72	14.8	11.3	3.7	3.5	0.6	0.8

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	84	22	-3.74	4.36	19	-22.5	30.1	13	6.6	7.5	13	23.2	1.5	22	11.7	2.0	22
Feb	90	22	-6.09	5.13	17	-25.1	38.8	11	10.9	6.6	10	22.1	1.5	22	12.6	2.6	22
Mar	82	22	-4.56	4.05	17	-27.5	27.1	11	13.6	5.9	11	20.9	1.5	22	12.7	1.9	22
Apr	36	22	-3.05	2.93	16	-14.8	15.9	10	11.0	7.1	10	18.8	1.2	22	9.5	2.0	22
May	7	22	-1.66	3.34	7	-2.8	21.6	4	13.2	8.6	4	15.7	1.1	22	5.9	1.0	22
Jun	1	22	-0.03	0.59	2		37.5	12.2	2	28.2		13.3	1.0	22	4.7	0.7	22
Jul	0	22										13.5	0.8	22	4.0	0.6	22
Aug	1	22	-1.70	2.65	4	-0.6	13.1	2	23.7	1.6	2	15.9	1.1	22	3.6	0.7	22
Sep	6	22	2.56	4.23	5	2.4	41.7	4	9.9	12.8	3	19.6	1.2	22	3.9	0.8	22
Oct	14	22	0.51	2.63	10	10.6	19.1	7	8.8	9.1	7	21.8	0.9	22	5.4	1.7	22
Nov	35	22	-0.43	2.61	18	3.3	17.1	13	9.6	7.5	12	22.6	1.3	22	7.8	2.1	22
Dec	29	21	-2.51	3.59	20	-15.8	21.3	14	9.0	7.7	14	23.8	1.0	21	8.8	1.7	21

CORRELATIONS

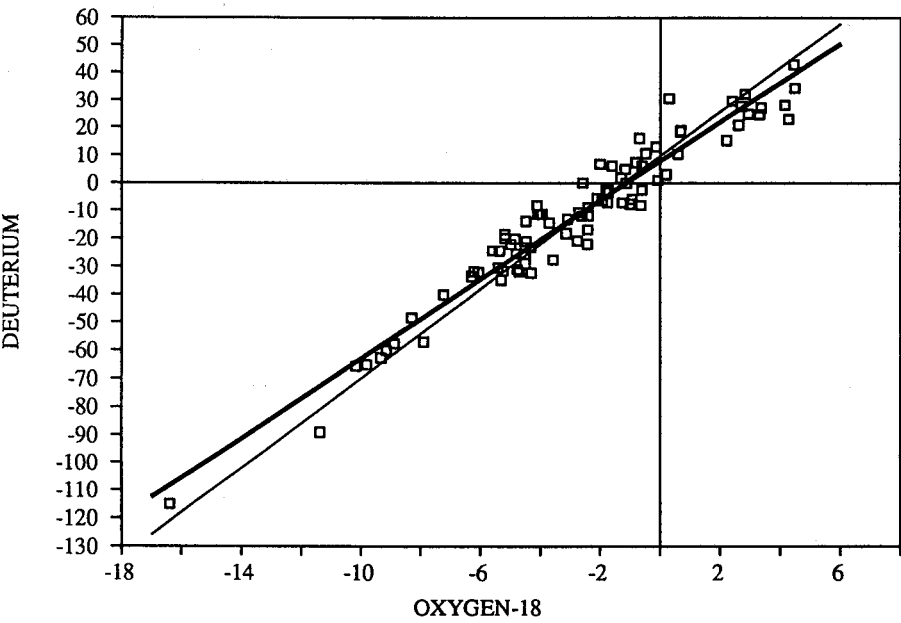
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	121	0.96	0.05	0.38	0.05	0.758	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	15	0.89	0.07	0.40	0.07	0.932	0.09
3) Monthly Deut vs. Monthly Precipitation	91	-0.26	0.05	2.01	3.80	0.217	25.20
4) Monthly Oxyg-18 vs. Monthly Prec	135	-0.05	0.01	-0.24	0.42	0.327	3.46
5) Monthly Deut vs. Monthly Temperature	91	-0.79	1.01	5.08	21.46	0.007	28.38
6) Monthly Oxyg-18 vs. Monthly Temp	135	0.17	0.13	-6.17	2.71	0.013	4.19
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	87	7.10	0.20	8.02	0.94	0.938	7.06
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	87	7.33	0.20	8.66	1.20	0.938	7.06

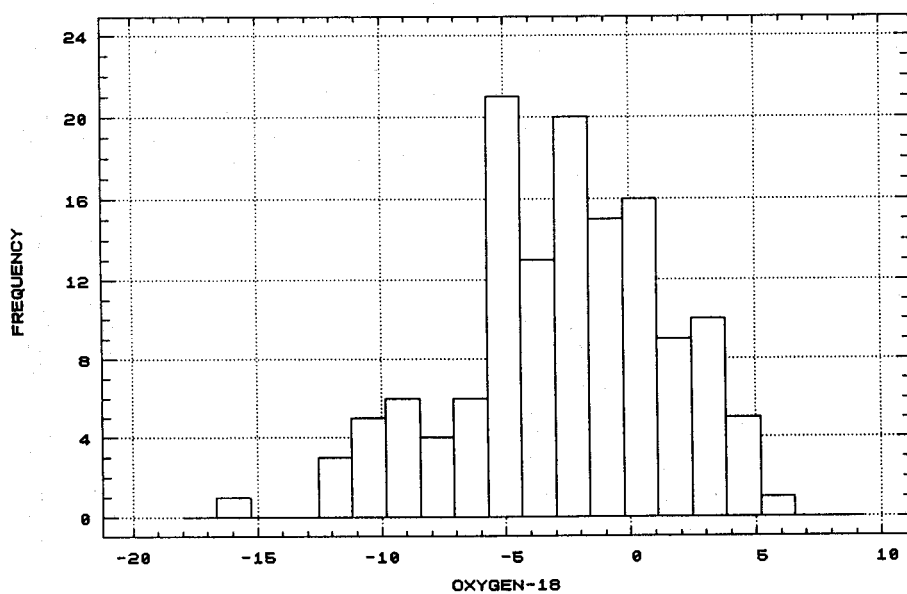
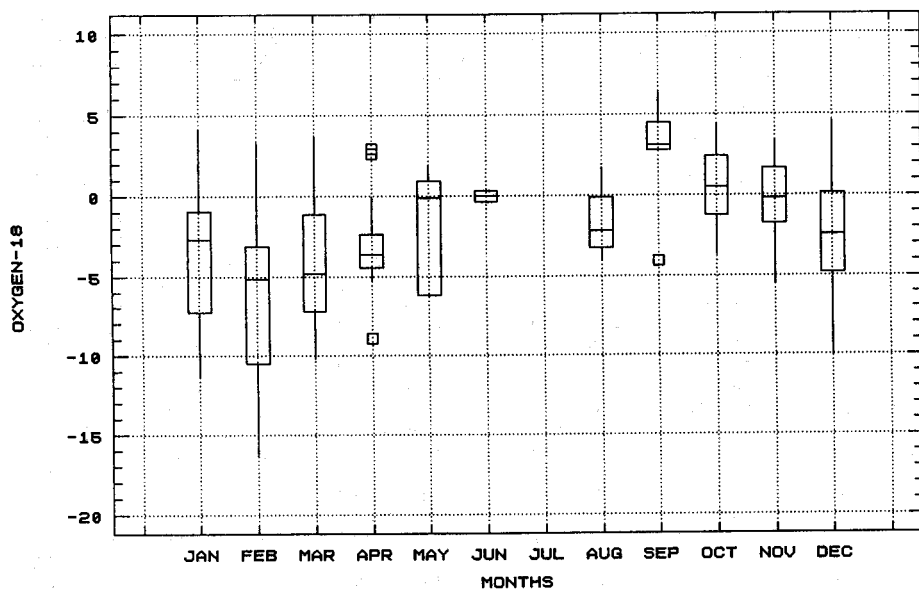
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
61 / 5	4.00	10.6		
61 / 9	6.50	37.3		
62 / 3	8.70	41.6		
63 / 9	8.40	62.1		
64 / 4	7.00	8.7		

6811000 WINDHOEK, NAMIBIA

Lat. 22.57S Long. 17.10E Alt. 1728 m a.s.l.





6826200 PRETORIA, SOUTH AFRICA

Lat. 25.73S Long. 28.18E Alt. 1330 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1958	747 (12)	19.7	23.3 (91.8/8)							17.5 (12)	12.2 (12)
1959	658 (12)	21.1	21.5 (77.5/9)							17.1 (12)	11.8 (12)
1960	639 (12)									16.9 (12)	11.6 (12)
1961	720 (12)			-3.06 (66.6/7)	-2.69	-9.0 (66.6/7)	-7.7	15.6 (66.6/7)	13.9	17.2 (12)	12.1 (12)
1962	614 (12)	29.1 (99.3/7)	30.3	-3.59 (100.0/10)	-2.63	-17.4 (100.0/10)	-13.3	11.4 (100.0/10)	7.9	17.2 (12)	11.4 (12)
1963	600 (12)	54.7 (96.6/9)	55.3	-4.23 (100.0/10)	-2.85	-20.0 (100.0/10)	-9.3	13.9 (100.0/10)	13.5	16.8 (12)	11.5 (12)
1964	807 (12)	52.7 (45.8/4)	51.3	-2.62 (100.0/10)	-1.25	-10.1 (92.5/9)	-1.2	13.1 (92.5/9)	10.7	16.7 (12)	11.4 (12)
1965	416 (12)	61.1 (34.8/3)	74.0	-2.30 (88.9/9)	-1.51	-2.2 (88.9/9)	0.9	16.2 (88.9/9)	13.0	17.0 (12)	11.4 (12)
1966	726 (12)	36.1 (35.3/5)	36.6	-3.18 (99.7/10)	-2.42	-16.2 (77.1/8)	-14.0	12.0 (77.1/8)	6.1	18.5 (12)	11.5 (12)
1967	896 (12)	56.8 (35.2/6)	56.6	-3.23 (100.0/10)	-2.31	-11.6 (100.0/10)	-6.0	14.3 (100.0/10)	12.5	17.5 (12)	12.5 (12)
1968	589 (12)	37.7 (99.8/9)	45.0	-2.87 (99.8/9)	-1.92	-20.2 (99.8/9)	-10.5	2.8 (99.8/9)	4.9	17.6 (12)	11.0 (12)
1969	850 (12)	35.4 (83.6/8)	39.3	-6.01 (99.7/9)	-4.47	-31.0 (99.7/9)	-20.2	17.1 (99.7/9)	15.6	18.1 (12)	12.0 (12)
1970	458 (12)	38.4 (95.6/9)	36.9	-2.43 (100.0/11)	-2.08	-16.4 (58.7/6)	-8.2	12.8 (58.7/6)	12.2	18.7 (12)	10.6 (12)
1971	878 (12)	33.7 (100.0/10)	35.6	-3.23 (100.0/10)	-2.47	-13.1 (100.0/10)	-9.2	12.9 (100.0/10)	10.6	17.7 (12)	11.9 (12)
1972	585 (12)	25.4 (98.8/9)	27.8	-3.17 (97.7/10)	-1.53	-20.5 (97.7/10)	-9.3	5.0 (97.7/10)	3.0	18.2 (12)	11.7 (12)
1973	755 (12)	24.4 (64.7/7)	23.4	-2.06 (100.0/9)	-1.65	-12.9 (69.5/6)	-11.5	10.4 (69.5/6)	7.8	18.0 (12)	12.1 (12)
1974	804 (12)	30.6 (78.4/6)	30.2	-3.09 (63.1/4)	-2.98	-17.3 (63.1/4)	-15.9	7.5 (63.1/4)	8.0	17.7 (12)	12.3 (12)
1975	951 (12)	15.7 (97.6/8)	15.2	-3.73 (97.6/8)	-2.90	-29.8 (63.4/4)	-26.9	10.0 (63.4/4)	10.2	17.5 (12)	12.3 (12)
1976	919 (12)	15.0 (81.8/6)	14.8	-4.17 (93.5/8)	-3.81					17.3 (12)	12.1 (12)
1977	734 (12)	19.3 (65.5/6)	19.6	-4.82 (65.5/6)	-4.78					18.2 (12)	12.3 (12)
1978	816 (12)	9.8 (97.9/8)	12.5	-6.75 (97.9/8)	-4.12					17.8 (12)	12.5 (12)
1979	606 (12)	13.1 (100.0/11)	10.7	-4.21 (96.8/10)	-2.86					18.6 (12)	12.2 (12)
1980	666 (12)	14.1 (88.1/5)	13.6	-3.54 (100.0/7)	-3.04					18.0 (12)	11.9 (12)
1981	516 (12)	10.3 (84.4/7)	10.2	-3.65 (100.0/10)	-2.36					17.9 (12)	12.2 (12)
1982	605 (12)	9.7 (46.2/4)	10.3	-2.38 (46.2/4)	-2.09					18.7 (12)	12.0 (12)
1983	646 (12)	7.0 (19.0/1)	7.0	-3.87 (19.0/1)	-3.87					19.0 (12)	12.4 (12)
1984	417 (12)	7.7 (94.0/8)	7.7							18.7 (12)	10.9 (12)
1985	596 (11)	6.6 (38.7/4)	6.8								

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1986	573 (11)										
1987	678 (12)									18.8 (12)	12.3 (12)
Long Term Means 682				-3.70	-2.57	-16.8	-9.2	12.1	9.8	17.8	11.9
σ				1.20	0.89	7.7	6.1	4.6	4.1	0.6	0.4

MONTHLY MEANS

Month	Mean Prec.	n	Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
			Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	144	30	-3.89	2.72	21	-19.1	15.0	13	10.0	9.5	13	22.2	1.1	30	16.4	1.6	30
Feb	73	30	-3.01	2.50	20	-14.8	18.0	13	7.2	9.3	13	21.9	1.1	30	16.4	1.1	30
Mar	77	29	-3.78	3.53	18	-18.8	25.0	11	10.2	9.8	11	20.6	1.1	29	15.4	1.1	29
Apr	55	30	-3.30	2.26	19	-17.2	16.1	13	11.2	7.4	13	17.7	1.3	30	12.4	1.2	30
May	14	30	-1.93	1.19	13	-5.9	8.9	11	8.6	9.2	11	14.2	1.3	30	9.0	0.9	30
Jun	5	30	-1.52	2.15	8	-4.4	9.6	7	11.0	9.0	7	11.1	1.3	30	7.0	0.9	30
Jul	3	30	-0.48	1.88	4	10.4	15.8	3	9.0	6.6	3	11.5	1.1	30	6.7	0.7	30
Aug	5	30	0.28	1.82	9	9.2	16.8	6	6.3	7.3	6	14.1	1.1	30	7.2	1.0	30
Sep	23	30	-1.32	1.99	15	3.8	12.9	7	6.5	4.9	7	18.2	1.0	30	9.2	1.0	30
Oct	70	30	-2.24	1.49	20	-1.1	10.7	11	15.2	6.7	11	20.0	1.1	30	11.8	1.3	30
Nov	106	29	-1.98	1.83	22	-7.4	13.1	13	8.8	9.0	13	20.7	0.9	29	14.5	0.8	29
Dec	112	30	-3.67	3.17	21	-18.3	19.0	13	12.4	6.2	13	21.7	1.0	30	15.7	1.0	30

CORRELATIONS

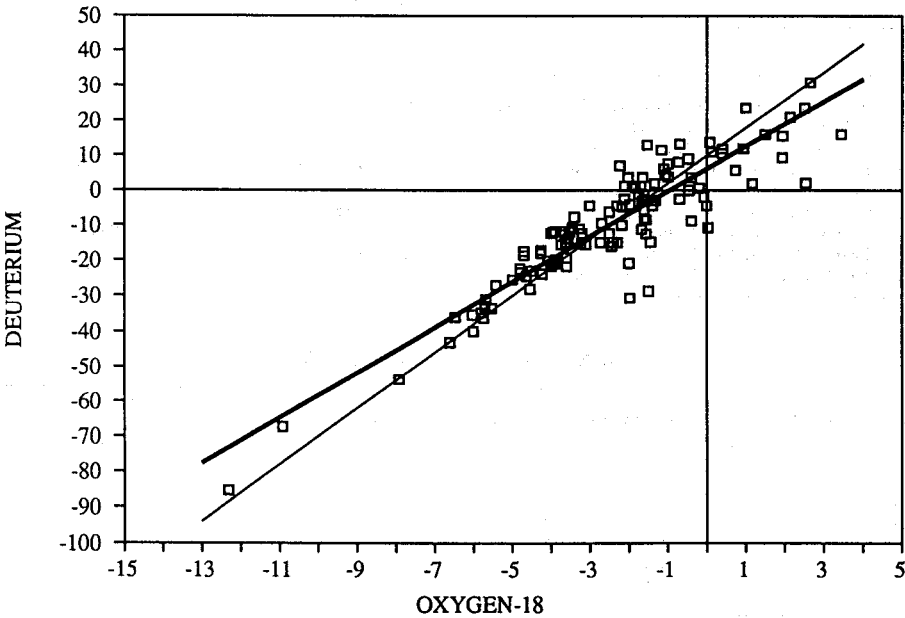
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	159	0.76	0.04	0.53	0.04	0.692	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	15	0.72	0.08	0.58	0.09	0.847	0.11
3) Monthly Deut vs. Monthly Precipitation	121	-0.15	0.02	1.33	2.25	0.255	15.34
4) Monthly Oxyg-18 vs. Monthly Prec	190	-0.02	0.00	-1.13	0.25	0.236	2.27
5) Monthly Deut vs. Monthly Temperature	121	-1.18	0.42	11.91	7.95	0.062	17.21
6) Monthly Oxyg-18 vs. Monthly Temp	190	-0.17	0.05	0.57	1.02	0.050	2.53
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	121	6.44	0.26	6.08	0.93	0.833	7.27
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	121	7.05	0.26	7.61	1.14	0.833	7.27

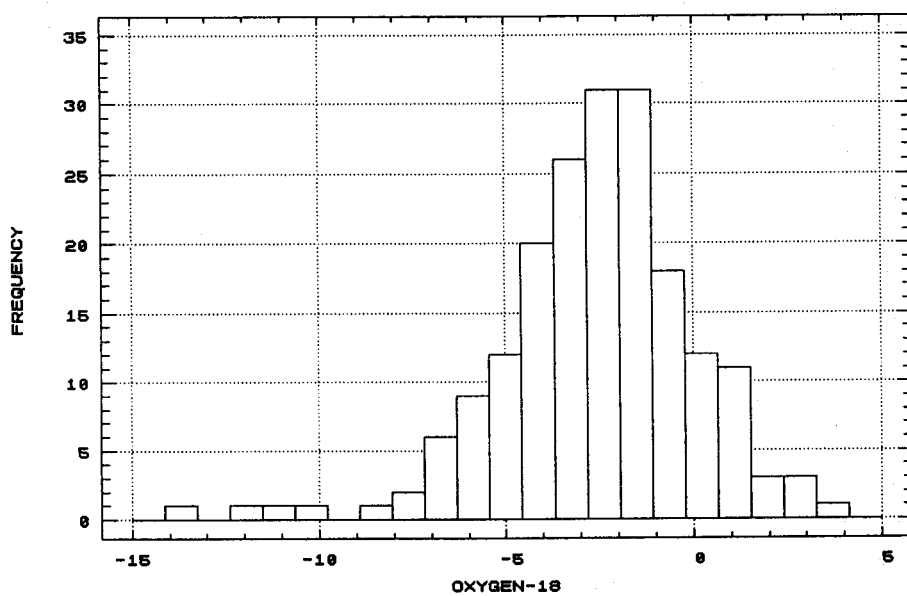
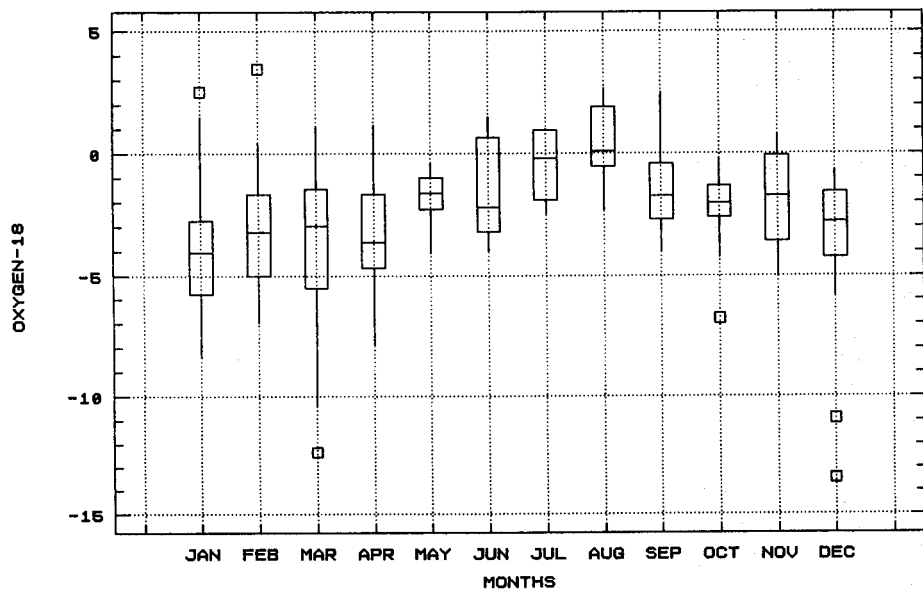
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
68 / 6		45.6		
69 / 7	7.75	18.7		
69 / 8		61.4		
72 / 9	2.13	-11.3		
74 / 4	-5.52	13.3		
75 / 5	11.12			

6826200 PRETORIA, SOUTH AFRICA

Lat. 25.73S Long. 28.18E Alt. 1330 m a.s.l.





6881600 MALAN (CAPE TOWN), SOUTH AFRICA

Lat. 33.97S Long. 18.60E Alt. 44 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	396 (12)	10.0 (87.3/8)	11.5	-2.45 (87.3/8)	-2.60	-6.0 (87.3/8)	-7.0	13.6 (87.3/8)	13.8	16.2 (12)	13.4 (12)
1962	729 (12)	8.8 (100.0/12)	10.7	-4.26 (100.0/12)	-3.37	-19.8 (100.0/12)	-14.7	14.4 (100.0/12)	12.3	16.1 (12)	14.1 (12)
1963	402 (12)	21.8 (90.0/11)	17.9	-4.27 (90.0/11)	-2.89	-17.5 (90.0/11)	-8.6	16.7 (90.0/11)	14.6	16.6 (12)	14.3 (12)
1964	457 (12)	18.3 (16.1/4)	29.9	-2.68 (100.0/12)	-2.36	-11.4 (100.0/12)	-9.3	10.1 (100.0/12)	9.7	16.1 (12)	13.9 (12)
1965	478 (12)	23.5 (42.2/6)	21.8	-3.48 (81.7/11)	-3.20	-13.2 (81.7/11)	-12.1	14.7 (81.7/11)	13.5	15.7 (12)	13.8 (12)
1966	470 (12)	24.7 (95.9/9)	21.9	-3.03 (100.0/12)	-2.38	-10.8 (100.0/12)	-7.2	13.5 (100.0/12)	11.9	16.0 (12)	13.9 (12)
1967	486 (12)	22.9 (97.1/9)	23.8	-3.09 (98.3/10)	-2.50	-7.6 (98.3/10)	-4.4	17.3 (98.3/10)	15.7	15.9 (12)	13.7 (12)
1968	607 (12)	15.3 (99.5/10)	19.5	-3.60 (94.8/8)	-3.08	-15.1 (94.8/8)	-11.0	13.8 (94.8/8)	13.7	15.7 (12)	13.4 (12)
1969	430 (12)	21.3 (73.0/8)	20.8							16.0 (12)	13.9 (12)
1970	562 (12)	17.4 (82.3/8)	18.7	-3.41 (80.0/7)	-3.17	-11.9 (80.0/7)	-10.3	15.5 (80.0/7)	15.1	15.8 (12)	13.7 (12)
1971	362 (12)	15.2 (72.0/8)	18.3	-2.73 (72.9/9)	-1.85	-10.7 (72.9/9)	-4.3	11.2 (72.9/9)	10.6	15.7 (12)	13.4 (12)
1972	425 (12)	17.4 (77.6/7)	19.8	-2.96 (77.6/7)	-2.64	-10.8 (77.6/7)	-9.9	12.9 (77.6/7)	11.2	16.6 (12)	14.0 (12)
1973	322 (12)	19.2 (73.9/10)	20.2	-3.23 (74.5/11)	-2.42	-17.5 (53.7/8)	-11.2	12.2 (53.7/8)	10.5	16.6 (12)	13.7 (12)
1974	683 (12)	13.1 (97.9/10)	17.8	-3.81 (80.2/10)	-2.50	-12.0 (80.2/10)	-3.6	18.5 (80.2/10)	16.5	16.3 (12)	13.9 (12)
1975	559 (12)	9.3 (94.9/9)	9.3	-4.33 (99.8/11)	-2.95	3.9 (1.7/2)	6.2	-4.3 (1.6/1)	-4.3	16.4 (12)	14.0 (12)
1976	587 (12)	5.9 (87.3/7)	6.3	-3.56 (100.0/11)	-3.15					16.1 (12)	14.1 (12)
1977	750 (12)	7.3 (92.9/11)	7.9	-3.21 (100.0/12)	-2.60					16.7 (12)	14.5 (12)
1978	402 (12)	6.5 (98.2/11)	6.7	-2.94 (98.2/11)	-2.57					16.5 (12)	13.9 (12)
1979	407 (12)	4.5 (99.0/10)	5.5	-3.23 (99.0/10)	-2.75					16.7 (12)	14.0 (12)
1980	479 (12)	3.4 (99.7/11)	3.5	-3.59 (99.7/11)	-2.81					16.6 (12)	13.2 (12)
1981		4.9 (90.5/9)	5.2	-3.30 (89.6/10)	-3.14						
1982				-3.09 (70.1/9)	-1.74						
1983				-1.23 (16.2/4)	-1.26						
1984	551 (12)	4.2 (91.8/10)	4.9							16.7 (12)	14.5 (12)
1985	566 (12)	3.6 (84.4/8)	4.3							16.5 (12)	14.3 (12)
1986	573 (10)	3.0 (100.0/11)	3.1								
1987	652 (12)	2.7 (81.2/8)	3.8							16.5 (12)	14.2 (12)
Long Term											
Means 513											
σ											
				-3.45	-2.81	-12.9	-8.9	14.7	13.5	16.3	13.9
				0.53	0.31	4.0	3.2	2.3	2.0	0.3	0.3

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	14	24	-1.95	1.50	17	-4.3	9.0	9	8.1	6.5	9	20.5	0.7	24	16.8	0.7	24
Feb	16	23	-2.28	1.34	14	-7.2	11.4	8	10.3	3.8	7	20.4	0.7	23	17.0	0.9	23
Mar	18	23	-2.23	1.46	16	-2.4	7.0	8	12.0	5.3	8	19.3	0.5	23	16.2	0.6	23
Apr	36	24	-2.87	1.96	21	-10.7	12.6	12	11.1	7.7	12	16.8	0.8	24	14.6	1.0	24
May	69	24	-3.37	1.21	18	-13.5	9.2	10	14.5	4.5	10	14.2	0.7	24	12.9	1.0	24
Jun	96	24	-3.63	1.15	21	-16.5	7.2	13	14.5	4.4	13	12.7	0.9	24	11.7	0.8	24
Jul	77	24	-3.29	1.23	20	-11.3	6.6	12	14.3	5.4	12	11.9	0.7	24	11.2	0.6	24
Aug	79	24	-3.81	1.03	19	-14.0	7.3	12	15.2	2.8	12	12.4	0.8	24	11.3	0.6	24
Sep	39	24	-2.26	1.25	18	-2.9	7.2	12	12.4	6.8	12	13.7	0.9	24	12.0	0.8	24
Oct	36	24	-2.85	1.49	20	-10.3	10.5	12	15.9	5.1	12	15.6	0.7	24	13.0	0.7	24
Nov	16	24	-1.14	1.55	15	-0.3	5.3	8	7.0	5.0	8	18.0	0.8	24	14.2	1.1	24
Dec	18	24	-1.60	1.49	18	-1.8	11.6	11	13.8	5.8	11	19.3	1.2	24	15.8	0.8	24

CORRELATIONS

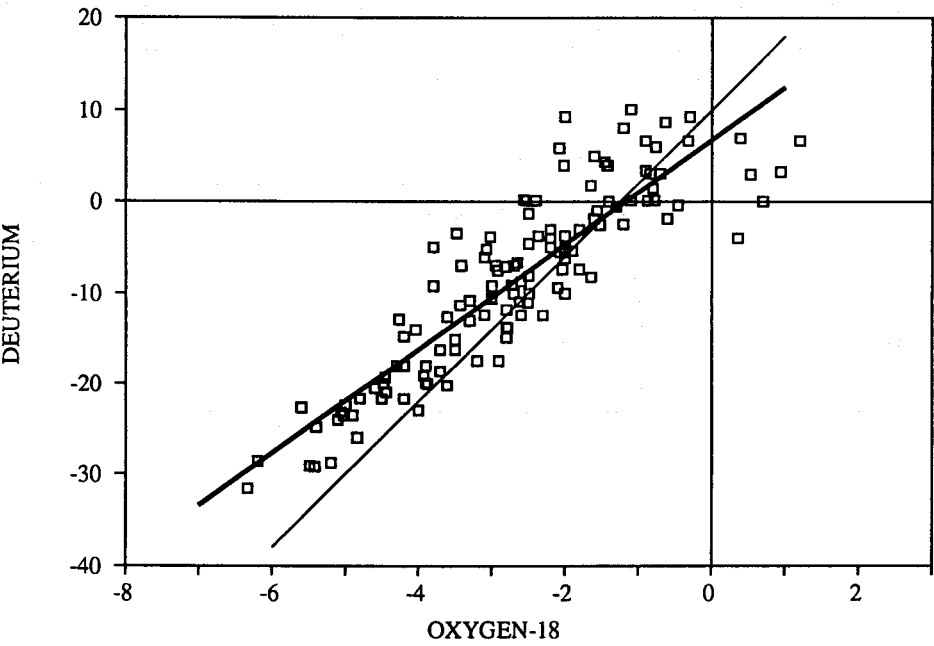
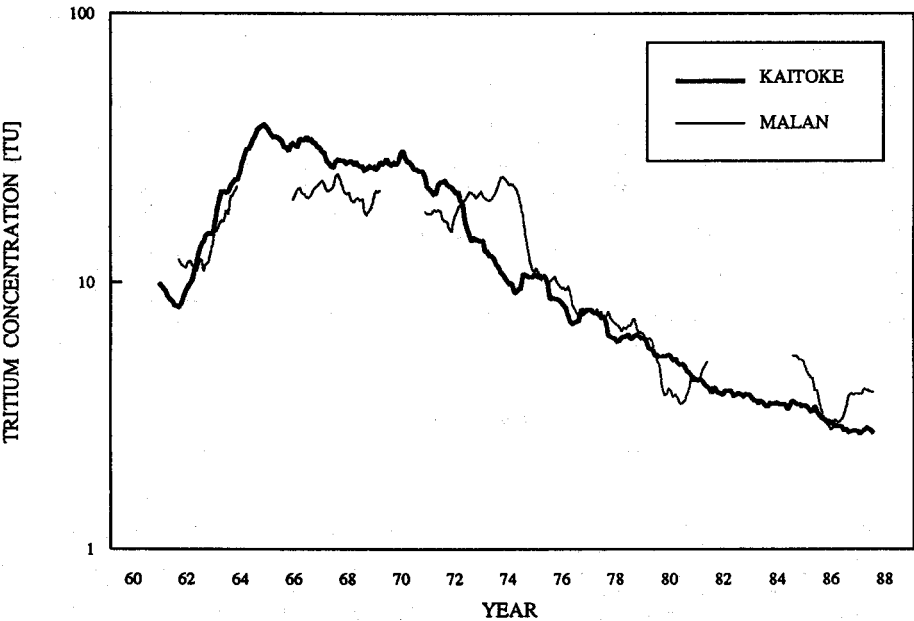
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	224	0.72	0.04	0.25	0.04	0.575	0.23
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	20	0.83	0.06	0.13	0.06	0.914	0.10
3) Monthly Deut vs. Monthly Precipitation	127	-0.12	0.02	-3.15	1.18	0.227	8.94
4) Monthly Oxyg-18 vs. Monthly Prec	217	-0.02	0.00	-1.74	0.14	0.269	1.36
5) Monthly Deut vs. Monthly Temperature	127	1.15	0.26	-26.39	4.17	0.133	9.47
6) Monthly Oxyg-18 vs. Monthly Temp	194	0.19	0.03	-5.69	0.52	0.151	1.40
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	126	5.74	0.27	6.74	0.83	0.788	4.65
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	126	6.47	0.27	8.69	0.92	0.788	4.65

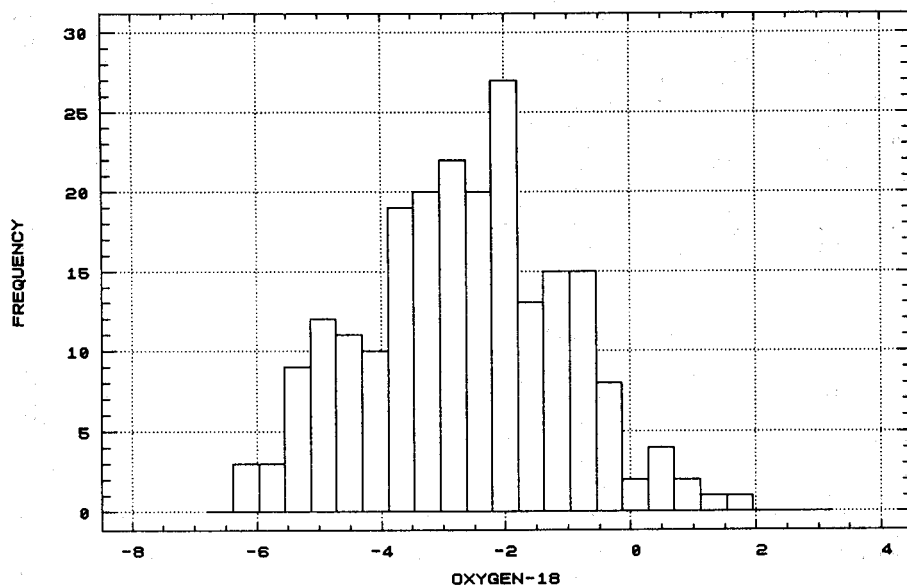
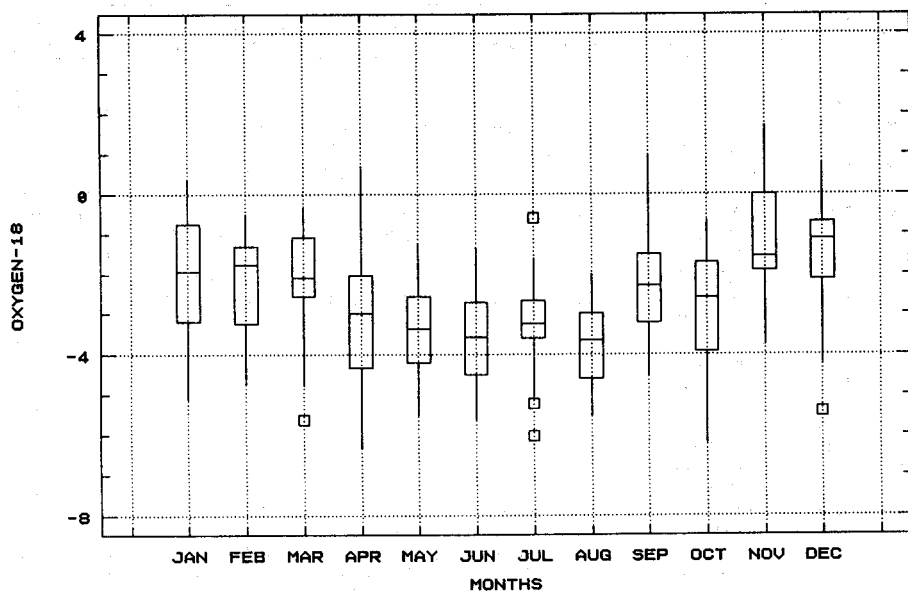
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
67 / 2	3.60	23.6		
68 / 1	-1.72	22.4		
68 / 2	-3.73	9.1		
68 / 11	-5.45	29.3		
74 / 1	-1.26	21.1		
74 / 5	-5.10	19.2		

6881600 MALAN (CAPE TOWN), SOUTH AFRICA

Lat. 33.97S Long. 18.60E Alt. 44 m a.s.l.





6890600 GOUGH ISLAND (ATLANTIC OC.), SOUTH AFRICA

Lat. 40.35S Long. 9.88W Alt. 54 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	3020 (12)									12.2 (12)	11.4 (12)
1961	3730 (12)	6.4 (77.2/9)	6.4	-2.70 (77.2/9)	-2.69	-18.8 (77.2/9)	-18.5	2.9 (77.2/9)	3.1	12.3 (12)	11.6 (12)
1962	3260 (12)	10.6 (100.0/12)	10.1	-3.66 (92.6/11)	-3.49	-19.8 (92.6/11)	-18.9	9.5 (92.6/11)	9.0	11.6 (12)	11.0 (12)
1963	3780 (12)	23.7 (100.0/12)	23.0	-3.98 (100.0/12)	-3.95	-21.9 (100.0/12)	-21.8	10.0 (100.0/12)	9.8	11.0 (12)	10.7 (12)
1964	2867 (12)	23.2 (19.8/3)	24.0	-3.38 (100.0/12)	-3.05	-26.1 (19.8/3)	-25.3	1.3 (19.8/3)	1.2	10.7 (12)	10.9 (12)
1965	3236 (12)	23.9 (82.6/9)	24.0	-2.88 (17.3/3)	-2.90	-26.9 (11.4/2)	-27.0	-2.4 (11.4/2)	-2.2	11.1 (12)	11.2 (12)
1966	2945 (12)	24.3 (100.0/12)	23.1							11.3 (12)	10.9 (12)
1967	3223 (12)	25.9 (90.0/11)	24.1							10.9 (12)	10.7 (12)
1968	2576 (12)	28.4 (100.0/12)	27.1							11.7 (12)	11.5 (12)
1969	2953 (12)	29.0 (100.0/12)	28.9							11.3 (12)	11.1 (12)
1970	3603 (12)	16.5 (90.3/11)	16.4	-3.94 (65.2/8)	-3.92	-22.5 (65.2/8)	-22.7	9.0 (65.2/8)	8.7	11.5 (12)	11.2 (12)
1971	3022 (12)	17.6 (84.5/10)	16.8	-3.89 (100.0/12)	-3.84	-22.4 (100.0/12)	-22.0	8.7 (100.0/12)	8.8	11.6 (12)	11.1 (12)
1972	3335 (12)	17.0 (85.0/10)	17.5	-4.41 (100.0/12)	-4.43	-24.4 (71.1/9)	-24.9	11.8 (71.1/9)	11.1	11.4 (12)	11.1 (12)
1973	2984 (12)	21.0 (80.3/9)	21.4	-3.76 (100.0/12)	-3.81	-22.2 (22.7/3)	-21.8	11.7 (22.7/3)	11.1	11.3 (12)	11.2 (12)
1974	2935 (12)	14.8 (72.8/8)	16.7	-4.47 (97.2/11)	-4.28	-27.1 (70.6/7)	-26.0	11.7 (70.6/7)	11.9	12.0 (12)	11.7 (12)
1975	2917 (12)	9.8 (67.1/8)	9.8	-4.08 (100.0/12)	-4.05					12.0 (12)	12.0 (12)
1976	3006 (12)	6.4 (100.0/12)	6.4	-3.77 (100.0/12)	-3.69					11.9 (12)	11.6 (12)
1977	2921 (12)	7.7 (92.4/11)	7.8	-4.15 (100.0/12)	-4.13					11.5 (12)	11.3 (12)
1978	3456 (12)	5.1 (100.0/12)	5.2	-4.04 (100.0/12)	-3.70					11.7 (12)	11.5 (12)
1979	3321 (12)	3.7 (100.0/12)	3.8	-3.99 (100.0/12)	-3.90					12.0 (12)	11.7 (12)
1980	3288 (12)	5.6 (100.0/12)	5.7	-3.73 (100.0/12)	-3.59					12.8 (12)	12.1 (12)
1981		3.3 (100.0/12)	3.3	-3.94 (90.9/11)	-3.87						
1982		2.5 (66.1/8)	2.5	-3.60 (66.1/8)	-3.50						
1984	3192 (12)	2.7 (77.6/10)	2.7	-3.42 (100.0/12)	-3.28					11.3 (12)	9.5 (12)
1985	3554 (12)			-2.54 (90.8/11)	-2.51					11.4 (12)	10.9 (12)
1986	3432 (10)			-2.93 (100.0/11)	-2.84						
1987	3734 (12)			-3.99 (76.1/9)	-3.86					11.6 (12)	11.2 (12)
Long Term Means 3193											
				-3.73	-3.63	-20.8	-20.3	8.0	7.7	11.6	11.2
σ				0.53	0.53	1.7	1.8	3.3	3.0	0.4	0.5

MONTHLY MEANS

Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	209	25		-3.46	1.18	19	-21.8	7.9	6	2.9	6.9	6	13.9	0.8	25	12.7	1.1	25
Feb	192	24		-2.85	0.89	18	-18.8	5.4	5	3.2	6.3	5	14.5	1.4	24	13.4	1.5	24
Mar	261	24		-3.15	0.67	19	-16.3	4.3	6	8.4	3.4	6	13.7	0.8	24	12.7	1.0	24
Apr	270	25		-3.40	1.87	20	-23.5	11.6	6	9.8	5.6	6	13.1	2.0	25	12.3	1.8	25
May	284	25		-4.22	1.20	21	-19.7	6.5	7	14.8	6.6	7	11.5	0.9	25	11.1	1.0	25
Jun	319	25		-4.12	1.34	21	-22.6	8.7	7	10.8	6.2	7	9.9	0.8	25	10.1	0.8	25
Jul	277	25		-4.18	0.81	21	-25.4	3.6	7	10.3	3.7	7	9.0	0.7	25	9.5	0.7	25
Aug	301	25		-3.71	1.01	21	-24.4	6.3	7	9.7	4.0	7	8.8	0.6	25	9.3	0.5	25
Sep	289	25		-3.74	1.22	20	-27.1	7.3	7	6.6	6.1	7	9.0	0.9	25	9.4	0.7	25
Oct	306	25		-3.47	1.10	18	-21.5	4.8	6	8.3	1.4	6	10.0	0.7	25	10.0	0.6	25
Nov	255	25		-3.34	1.25	19	-19.8	6.7	6	7.0	7.3	6	12.0	0.8	25	11.4	0.7	25
Dec	248	25		-3.77	1.12	19	-22.3	4.1	6	5.6	7.0	6	13.1	0.8	25	12.1	0.7	25

CORRELATIONS

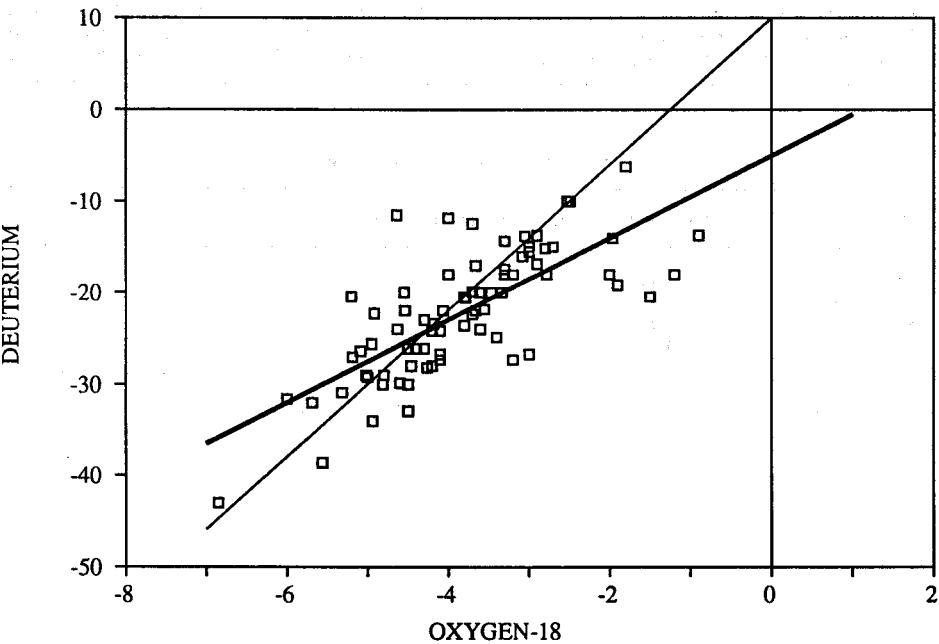
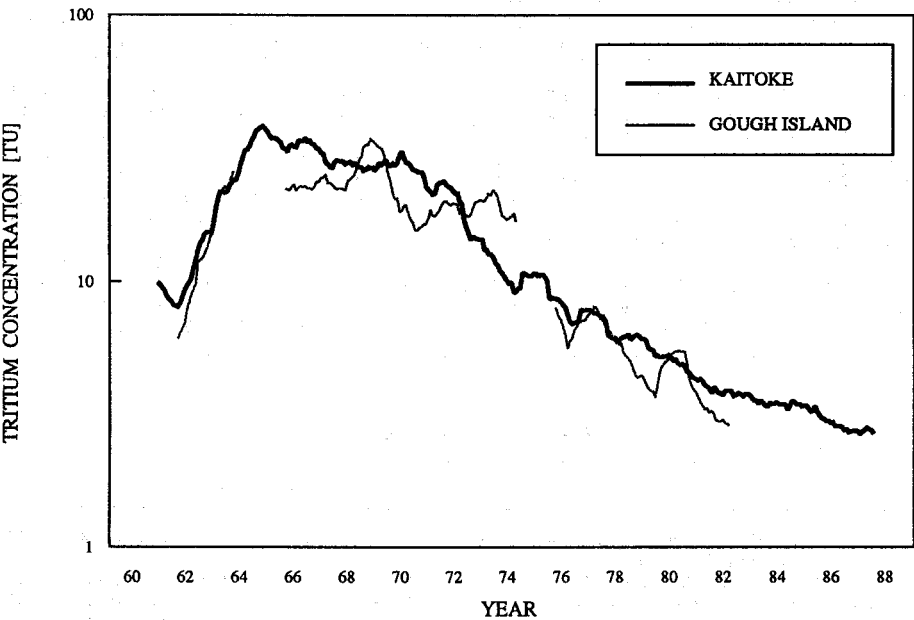
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	235	0.91	0.03	0.05	0.04	0.744	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	19	0.95	0.08	0.01	0.09	0.902	0.11
3) Monthly Deut vs. Monthly Precipitation	76	-0.01	0.01	-19.95	2.88	0.008	6.91
4) Monthly Oxyg-18 vs. Monthly Prec	236	-0.00	0.00	-2.83	0.25	0.046	1.19
5) Monthly Deut vs. Monthly Temperature	76	0.97	0.36	-32.97	4.16	0.087	6.63
6) Monthly Oxyg-18 vs. Monthly Temp	216	0.12	0.04	-4.98	0.42	0.047	1.19
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	76	4.50	0.48	-4.98	1.90	0.545	4.68
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	76	6.10	0.47	1.10	1.96	0.545	4.68

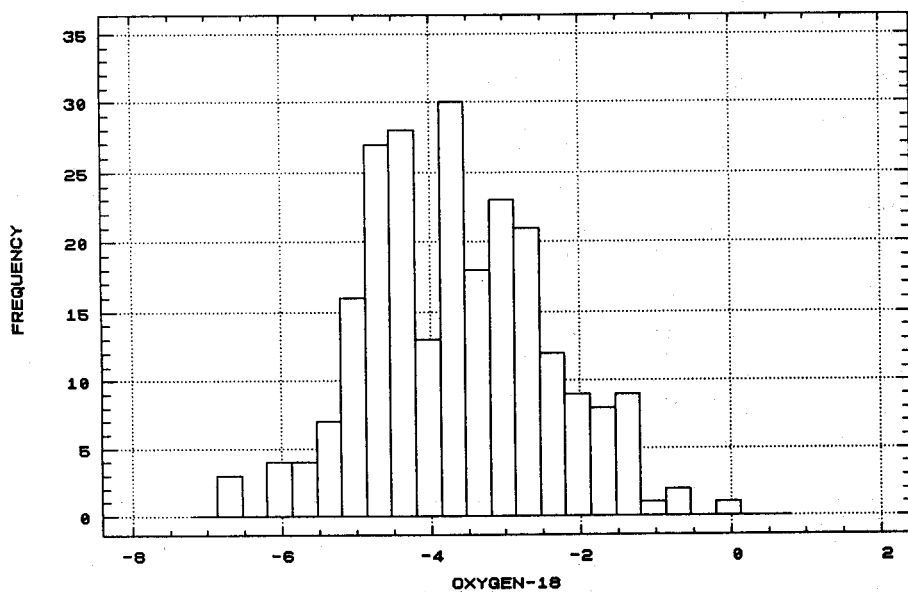
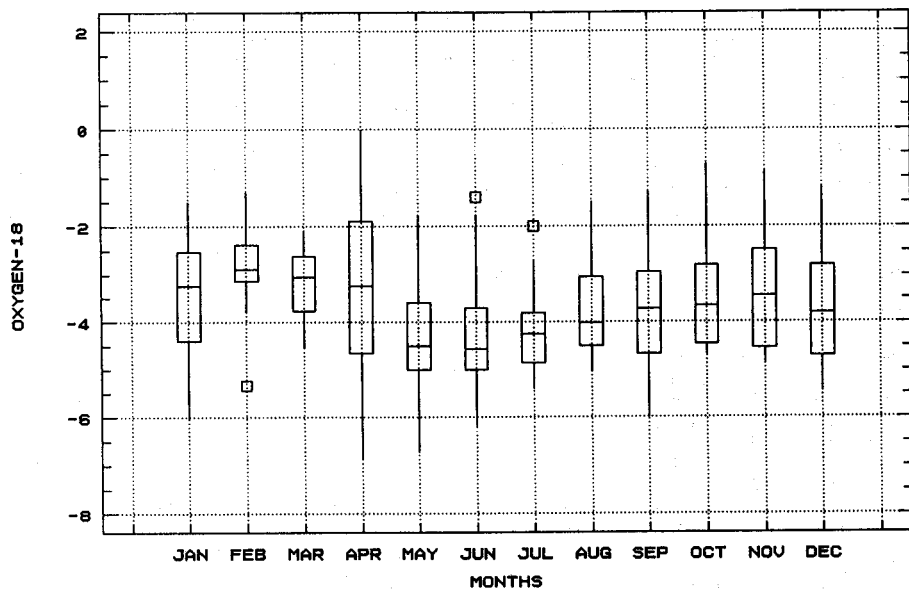
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
62 / 2	-1.50	-34.1		
74 / 1	0.08			
85 / 3	2.90			
86 / 2	-0.30			

6890600 GOUGH ISLAND (ATLANTIC OC.), SOUTH AFRICA

Lat. 40.35S Long. 9.88W Alt. 54 m a.s.l.





6899400 MARION ISLAND (INDIAN OC.), SOUTH AFRICA

Lat. 46.88S Long. 37.87E Alt. 26 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	2650 (12)	7.9 (70.1/9)	8.2	-4.84 (70.1/9)	-5.07	-29.8 (70.1/9)	-31.4	9.0 (70.1/9)	9.2	5.2 (12)	7.3 (12)
1962	2617 (12)	14.0 (80.8/10)	14.1	-5.51 (80.8/10)	-5.69	-38.5 (80.8/10)	-39.8	5.6 (80.8/10)	5.8	5.3 (12)	7.3 (12)
1963	2729 (12)	19.5 (18.8/2)	19.5	-4.93 (18.8/2)	-4.90	-33.8 (18.8/2)	-33.6	5.7 (18.8/2)	5.7	5.6 (12)	7.6 (12)
1964	2884 (12)			-5.12 (81.9/10)	-5.09	-33.3 (81.9/10)	-33.3	7.7 (81.9/10)	7.5	5.1 (12)	7.4 (12)
1965	2838 (12)	30.5 (78.7/10)	29.5	-4.87 (21.2/2)	-4.85	-32.7 (21.2/2)	-32.9	6.3 (21.2/2)	5.9	5.4 (12)	7.6 (12)
1966	2743 (12)	28.8 (18.5/2)	28.4							5.0 (12)	7.5 (12)
1967	2950 (12)	84.5 (42.3/6)	81.4							5.2 (12)	7.5 (12)
1968	2288 (12)	20.1 (100.0/12)	20.0							4.8 (12)	7.1 (12)
1969	2606 (12)	30.5 (91.3/11)	30.9							5.1 (12)	7.2 (12)
1970	2570 (12)	26.4 (100.0/12)	27.2	-5.55 (84.3/10)	-5.55	-36.2 (84.3/10)	-36.2	8.3 (84.3/10)	8.2	5.3 (12)	7.5 (12)
1971	2408 (12)	19.5 (33.4/4)	19.2	-4.39 (33.4/4)	-4.18	-30.3 (33.4/4)	-28.8	4.9 (33.4/4)	4.7	5.4 (12)	7.6 (12)
1972	2691 (12)	13.4 (80.7/10)	13.8	-4.60 (80.7/10)	-4.58	-32.9 (80.7/10)	-33.0	4.0 (80.7/10)	3.7	5.7 (12)	7.7 (12)
1973	2108 (12)	15.0 (89.2/11)	14.9	-4.25 (89.2/11)	-4.24	-25.0 (78.6/10)	-24.8	10.2 (78.6/10)	10.0	5.5 (12)	7.8 (12)
1974	2083 (12)	11.8 (100.0/12)	12.1	-5.02 (100.0/12)	-4.96	-8.5 (21.2/3)	-8.8	18.0 (21.2/3)	17.5	5.6 (12)	7.8 (12)
1975	2686 (12)	11.8 (100.0/12)	11.8	-5.81 (91.1/11)	-5.88	-39.1 (49.4/6)	-39.2	6.7 (49.4/6)	7.0	5.2 (12)	7.6 (12)
1976	2394 (12)	10.1 (91.9/11)	10.6	-5.63 (100.0/12)	-5.69	-37.1 (29.6/3)	-36.7	8.3 (29.6/3)	8.1	5.4 (12)	7.7 (12)
1977	2592 (12)	8.1 (91.5/11)	7.9	-5.40 (100.0/12)	-5.48					5.5 (12)	7.7 (12)
1978	2156 (12)	6.2 (100.0/12)	6.1	-5.29 (82.1/10)	-5.35					5.3 (12)	7.8 (12)
1979	2128 (12)	6.5 (100.0/12)	6.4	-5.56 (100.0/12)	-5.40					5.6 (12)	7.9 (12)
1980	2011 (12)	6.9 (100.0/12)	7.1	-5.63 (100.0/12)	-5.60					5.8 (12)	8.5 (12)
1981		5.6 (91.8/11)	5.6	-3.80 (26.9/3)	-3.76						
1982		4.6 (26.9/3)	4.5								
1984	2275 (12)	3.6 (88.7/11)	3.7	-3.89 (73.2/9)	-3.86					6.1 (12)	7.7 (12)
1985	2213 (12)	6.0 (92.1/11)	6.3	-2.66 (91.9/11)	-2.64					6.4 (12)	8.2 (12)
1986	2417 (10)	2.2 (98.5/12)	2.3	-3.09 (89.2/11)	-3.02						
1987	2255 (12)	2.3 (32.8/4)	2.3	-4.39 (91.7/11)	-4.39					6.2 (12)	7.9 (12)
Long Term Means 2452											
				-4.93	-4.91	-33.5	-33.4	7.0	7.0	5.5	7.6
σ				0.95	0.97	5.1	5.5	2.4	2.4	0.3	0.3

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	227	24	-4.98	2.59	16	-30.1	13.7	7	6.7	8.8	7	7.1	0.5	24	8.4	0.5	24
Feb	213	23	-3.45	1.17	15	-25.3	8.1	6	7.2	4.8	6	7.6	0.8	23	8.8	0.6	23
Mar	221	23	-4.31	1.67	15	-26.0	11.1	7	9.2	3.6	7	7.4	0.6	23	8.6	0.5	23
Apr	217	24	-4.55	1.56	16	-29.7	11.1	6	13.0	3.7	6	6.2	0.9	24	8.0	0.6	24
May	231	24	-4.86	1.12	15	-28.6	6.3	5	7.7	3.4	5	5.2	1.0	24	7.7	1.0	24
Jun	209	24	-5.34	1.57	17	-38.4	15.9	6	8.9	2.5	6	4.7	0.6	24	7.4	0.5	24
Jul	197	24	-4.57	1.07	17	-30.6	11.3	7	8.9	5.9	7	4.1	0.7	24	7.0	0.6	24
Aug	193	24	-4.81	1.16	17	-31.8	5.2	7	6.8	5.9	7	3.6	0.6	24	6.7	0.4	24
Sep	187	24	-5.16	1.58	17	-35.2	7.7	7	6.9	2.4	7	3.7	0.6	24	6.7	0.5	24
Oct	178	24	-5.03	1.54	17	-31.6	8.9	7	11.7	8.6	7	4.4	0.6	24	6.9	0.5	24
Nov	193	24	-5.07	1.81	16	-41.0	8.7	7	-1.1	9.6	7	5.2	0.7	24	7.2	0.5	24
Dec	204	24	-5.66	1.96	16	-40.5	14.5	7	5.2	6.4	7	6.2	0.5	24	7.8	0.4	24

CORRELATIONS

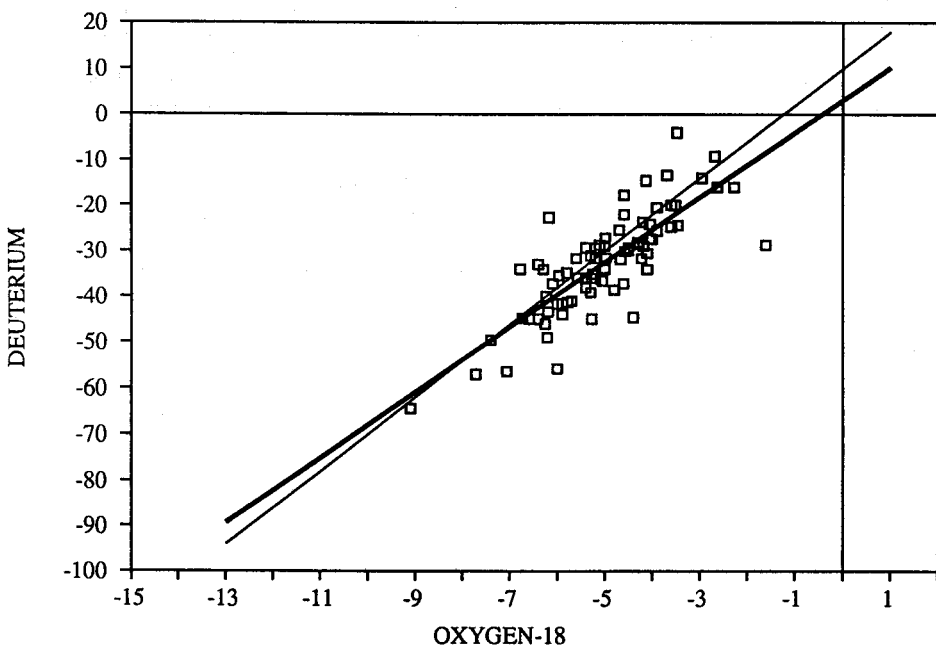
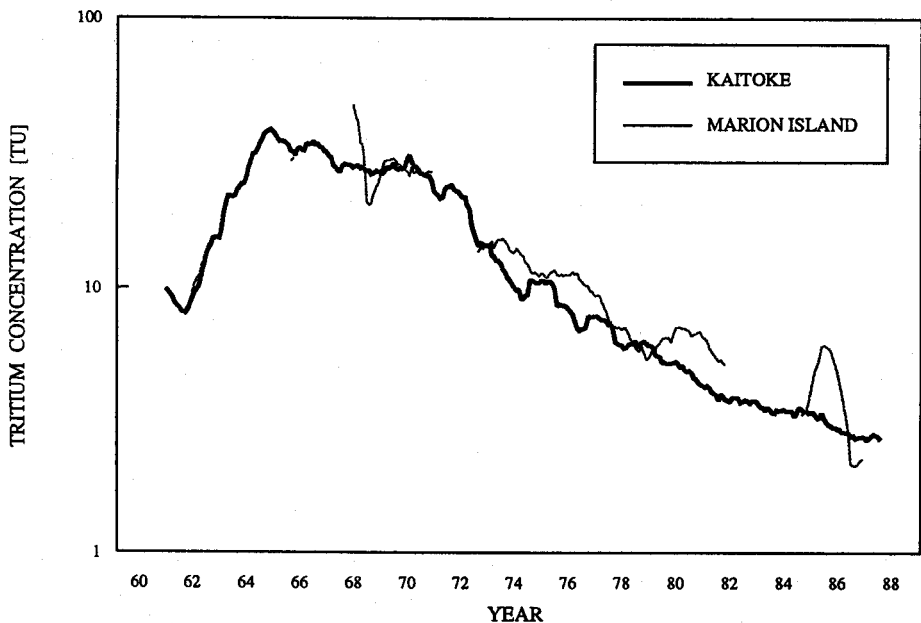
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	231	0.89	0.03	0.15	0.03	0.773	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	18	0.85	0.06	0.20	0.06	0.923	0.09
3) Monthly Deut vs. Monthly Precipitation	79	-0.02	0.02	-28.75	4.83	0.009	11.19
4) Monthly Oxyg-18 vs. Monthly Prec	194	-0.00	0.00	-4.67	0.48	0.001	1.66
5) Monthly Deut vs. Monthly Temperature	79	1.82	0.77	-42.26	4.28	0.068	10.85
6) Monthly Oxyg-18 vs. Monthly Temp	189	0.34	0.08	-6.71	0.43	0.097	1.56
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	79	7.11	0.58	3.07	3.02	0.658	6.57
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	79	8.77	0.58	11.35	3.07	0.658	6.57

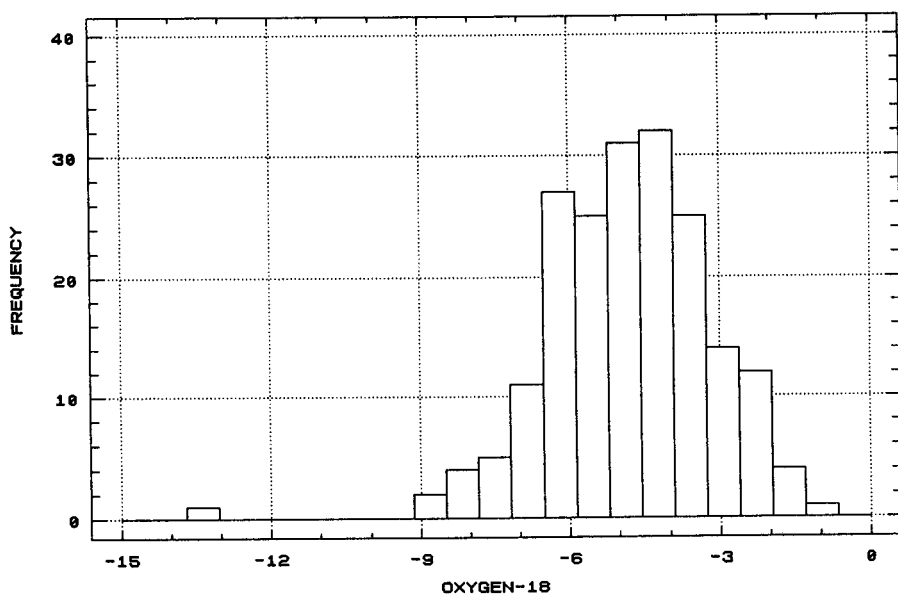
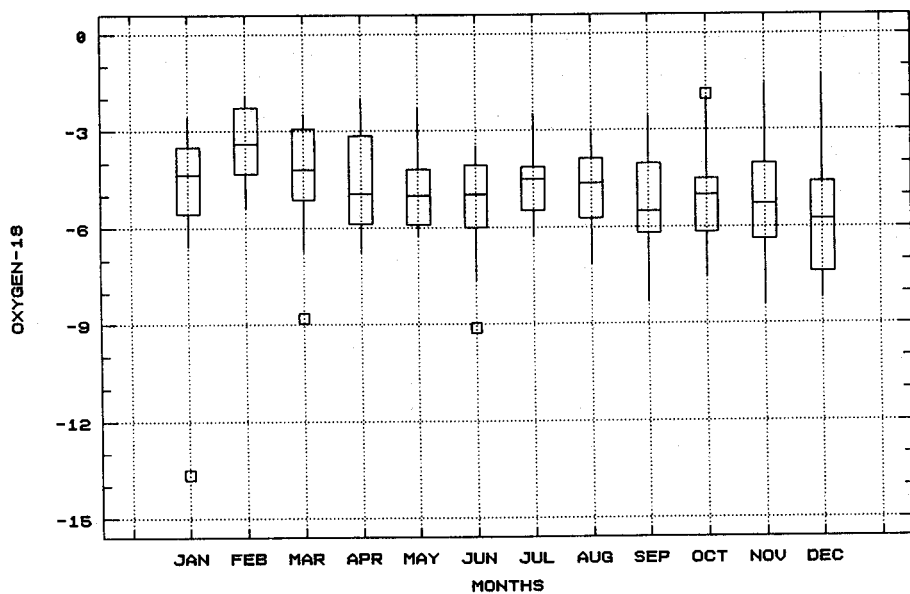
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
75	/ 2	-7.23	-20.6		
85	/ 5	2.60			
86	/ 4	3.80			
87	/ 3	3.30			

6899400 MARION ISLAND (INDIAN OC.), SOUTH AFRICA

Lat. 46.88S Long. 37.87E Alt. 26 m a.s.l.





7002600 BARROW, ALASKA, USA

Lat. 71.30N Long. 156.78W Alt. 7 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	179 (12)			-15.32 (68.7/5)	-15.48	-110.0 (68.7/5)	-111.1	12.6 (68.7/5)	12.9	-10.8 (12)	
1963	248 (12)									-12.1 (12)	2.9 (12)
1964	79 (12)			-17.44 (69.6/7)	-15.89	-133.2 (69.6/7)	-122.2	6.4 (69.6/7)	4.9	-15.2 (12)	
1965	148 (12)			-18.68 (70.9/9)	-18.78	-142.3 (70.2/8)	-141.0	6.9 (70.2/8)	5.5	-12.8 (12)	
1966	138 (12)			-18.77 (53.6/9)	-21.03	-130.5 (97.1/11)	-148.7	11.3 (53.6/9)	11.5	-13.2 (12)	
1967	120 (12)			-13.27 (50.8/5)	-13.35	-107.6 (57.5/6)	-109.7	-6.2 (50.8/5)	-10.4	-12.0 (12)	2.9 (12)
1968	71 (12)			-17.85 (76.0/7)	-15.91	-132.4 (76.0/7)	-117.1	10.4 (76.0/7)	10.3	-12.3 (12)	2.9 (12)
1969	82 (12)			-21.05 (80.4/7)	-21.17	-148.3 (74.3/7)	-152.5	2.1 (67.0/6)	3.6	-12.9 (12)	
Long Term Means 133				-19.61	-18.54	-131.1	-132.9	10.4	10.3	-12.7	2.9
σ				2.28	3.72	1.5	22.3			1.2	0.1

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	8	8	-22.27	1.66	4	-160.9	12.6	3	16.4	4.1	3	-24.9	3.4	8	0.7	0.4	8
Feb	5	8	-16.10	12.31	3	-115.4	100.9	3	13.4	2.5	3	-28.9	4.0	8	0.3	0.2	6
Mar	8	8	-24.88	4.17	3	-191.0	33.8	3	8.1	3.2	3	-26.1	3.4	8	0.5	0.3	7
Apr	10	8	-19.97	4.42	3	-161.9	31.3	3	-2.2	4.2	3	-18.3	3.2	8	1.1	0.5	7
May	8	8	-16.91	4.08	2	-143.0	20.0	2	-7.7	12.7	2	-6.9	1.9	8	3.2	0.6	7
Jun	6	8	-14.35	5.06	5	-118.7	32.4	6	-7.5	13.2	5	0.5	0.9	8	5.4	0.7	8
Jul	25	8	-13.90	1.55	5	-109.2	12.7	6	4.9	6.6	5	3.7	1.4	8	6.8	1.2	8
Aug	23	8	-12.91	5.50	5	-105.1	36.0	5	-1.8	20.2	5	2.8	2.0	8	6.9	0.9	8
Sep	8	8	-14.12	4.42	5	-102.7	28.3	5	10.2	8.3	5	-1.5	1.2	8	4.9	0.5	8
Oct	14	8	-18.87	8.16	6	-107.9	29.0	6	11.0	5.2	5	-9.9	2.0	8	2.4	0.6	6
Nov	10	8	-19.89	2.39	4	-151.7	22.2	5	14.0	8.0	4	-17.8	4.0	8	1.2	0.6	7
Dec	7	8	-24.53	2.24	4	-182.7	12.1	4	13.5	8.9	4	-24.0	3.0	8	0.7	0.2	7

CORRELATIONS

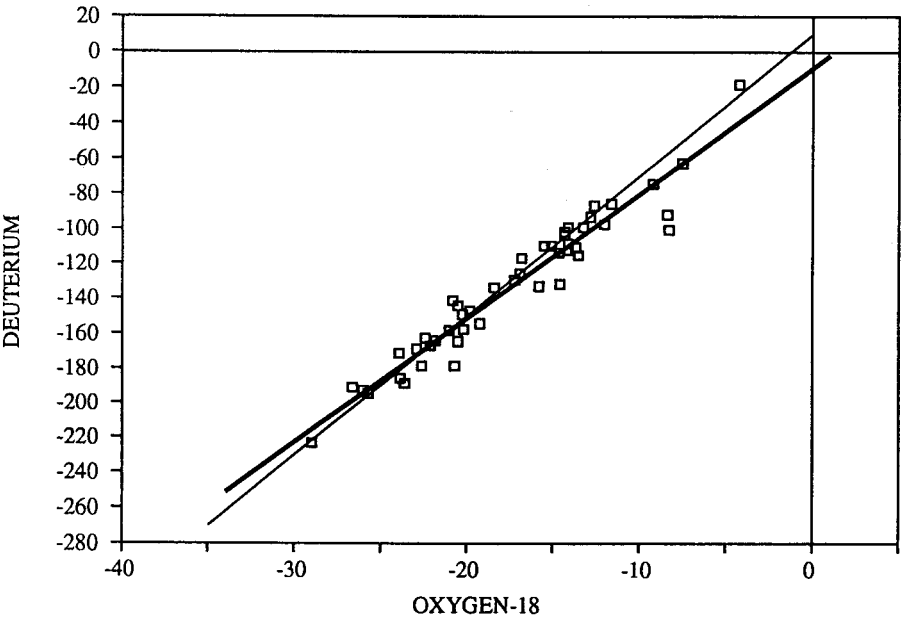
	n	a	σ	b	σ	r^2	S.E.E.
3) Monthly Deut vs. Monthly Precipitation	51	0.43	0.57	-136.76	8.81	0.012	41.22
4) Monthly Oxyg-18 vs. Monthly Prec	49	0.06	0.10	-18.49	1.38	0.008	6.05
5) Monthly Deut vs. Monthly Temperature	51	1.96	0.40	-111.61	6.31	0.326	34.05
6) Monthly Oxyg-18 vs. Monthly Temp	49	0.29	0.06	-14.72	0.96	0.331	4.97
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	47	7.12	0.28	-9.13	5.10	0.935	10.57
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	47	7.37	0.27	-4.90	5.22	0.935	10.57

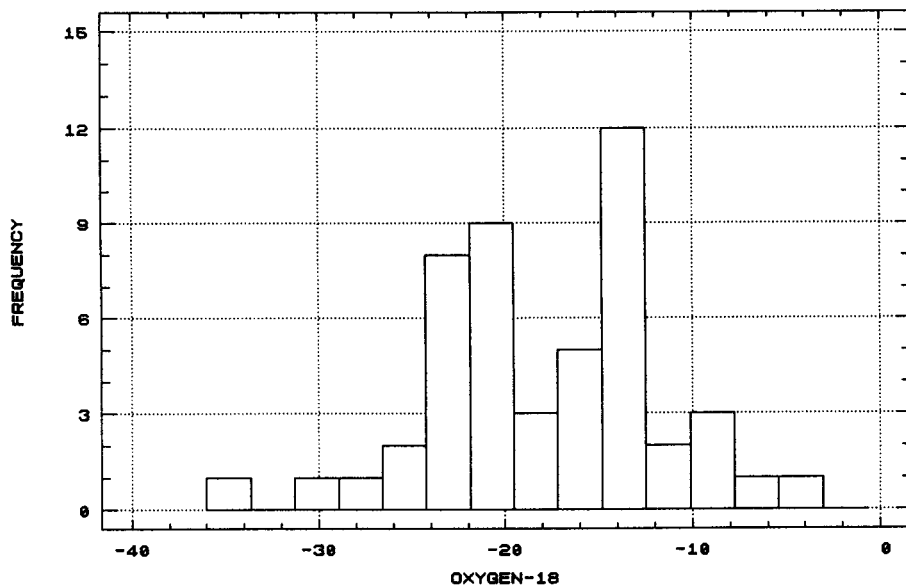
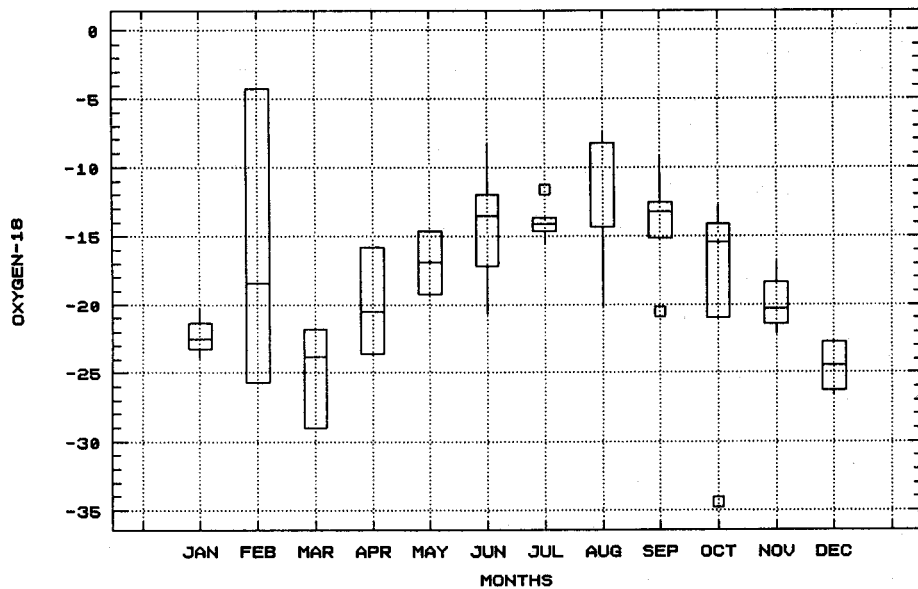
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
67 / 2	-6.40	-109.6		
68 / 8	-20.19	-103.8		
69 / 4	-17.95	-77.1		

7002600 BARROW, ALASKA, USA

Lat. 71.30N Long. 156.78W Alt. 7 m a.s.l.





7021900 BETHEL, ALASKA, USA

Lat. 60.78N Long. 161.80W Alt. 41 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1962	318	636.8	629.6	-13.09	-13.88	-102.5	-108.3	2.3	2.8	-1.9	
	(12)		(97.4/11)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	
1963	521	2316.1	1968.5	-11.34	-12.00	-90.5	-95.8	0.2	0.3	-1.7	
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	
1964	259	1286.7	1379.1	-10.32	-10.83	-86.3	-88.7	-3.7	-2.2	-3.6	5.2
	(12)		(83.3/11)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	(12)
1965	361	610.8	570.7	-13.01	-13.38	-98.9	-101.8	5.2	5.2	-2.7	5.3
	(12)		(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	(12)
1966	309	381.9	306.2	-14.16	-15.50					-2.8	
	(12)		(100.0/12)		(8.0/2)					(12)	
1967	378	230.0	205.4							-0.3	5.9
	(12)		(99.2/11)							(12)	(12)
1968	244	255.1	216.0							-1.5	4.1
	(12)		(97.5/11)							(12)	(12)
1969	263									-0.9	4.3
	(12)									(12)	(12)
1970	274										
	(9)										
Long Term											
Means 325				-11.95	-12.52	-94.5	-98.7	1.2	1.6	-1.9	5.0
σ				1.35	1.38	7.5	8.3	3.7	3.1	1.0	0.7

MONTHLY MEANS

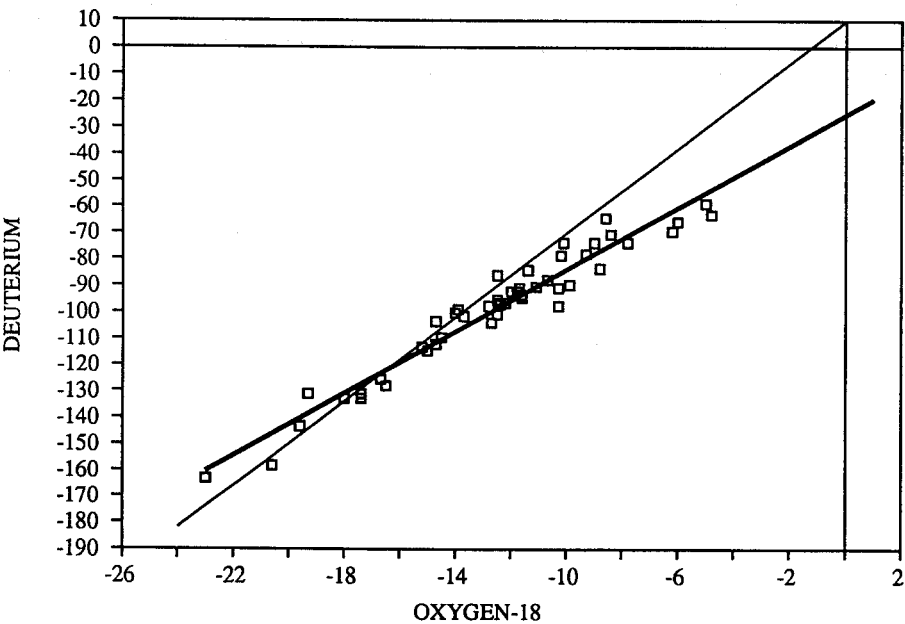
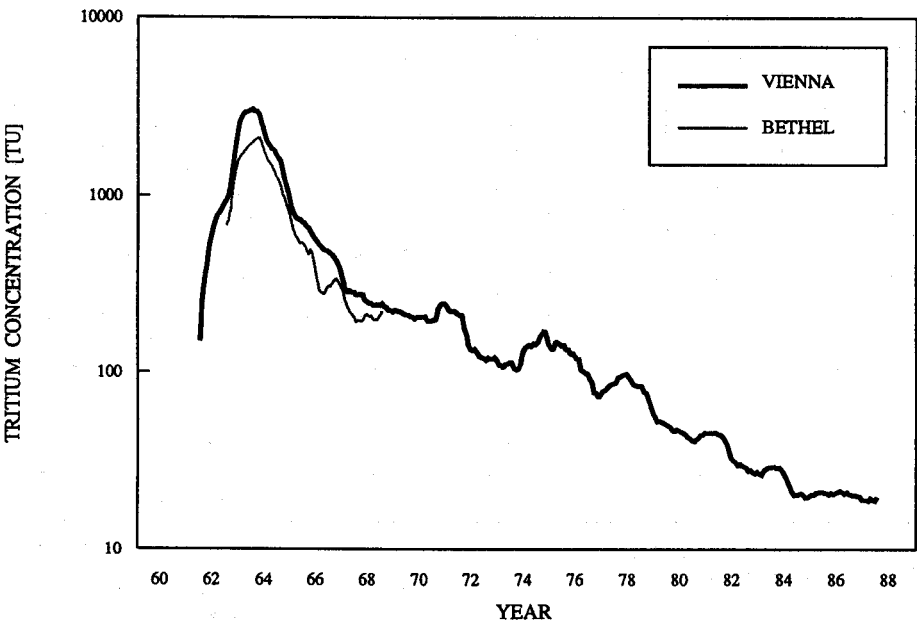
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	16	9	-17.06	2.40	5	-129.3	22.6	4	7.1	1.5	4	-15.0	4.9	9	1.4	0.7	8
Feb	11	9	-12.56	4.17	5	-99.8	27.8	4	-2.0	12.2	4	-13.1	4.3	9	1.7	1.2	7
Mar	17	9	-13.05	3.72	4	-99.2	26.6	4	5.2	5.8	4	-10.0	5.0	9	2.4	1.4	9
Apr	14	9	-15.40	5.66	4	-115.7	35.6	4	7.5	9.7	4	-4.0	2.3	9	3.5	1.5	8
May	20	9	-9.67	6.12	4	-90.8	34.4	4	-13.4	14.8	4	3.6	3.0	9	5.5	1.9	8
Jun	33	9	-10.55	4.26	4	-83.3	18.8	4	1.1	16.3	4	10.7	1.2	9	8.4	2.7	9
Jul	48	9	-9.25	1.91	4	-77.6	10.7	4	-3.6	6.1	4	12.5	1.4	9	11.2	1.6	8
Aug	77	9	-11.27	1.95	4	-92.1	7.0	4	-1.9	8.6	4	10.9	1.0	9	11.0	1.0	8
Sep	35	9	-10.35	1.02	4	-85.3	8.7	4	-2.5	5.2	4	7.4	1.6	9	8.2	1.7	9
Oct	23	8	-11.25	2.79	4	-89.0	20.1	4	0.9	8.4	4	-1.4	2.4	8	4.3	1.8	8
Nov	21	8	-15.32	3.70	4	-109.9	23.9	4	12.6	8.0	4	-9.3	3.9	8	2.3	1.4	7
Dec	16	8	-14.80	3.64	4	-111.2	23.3	4	7.1	8.3	4	-14.8	3.5	8	1.4	0.8	8

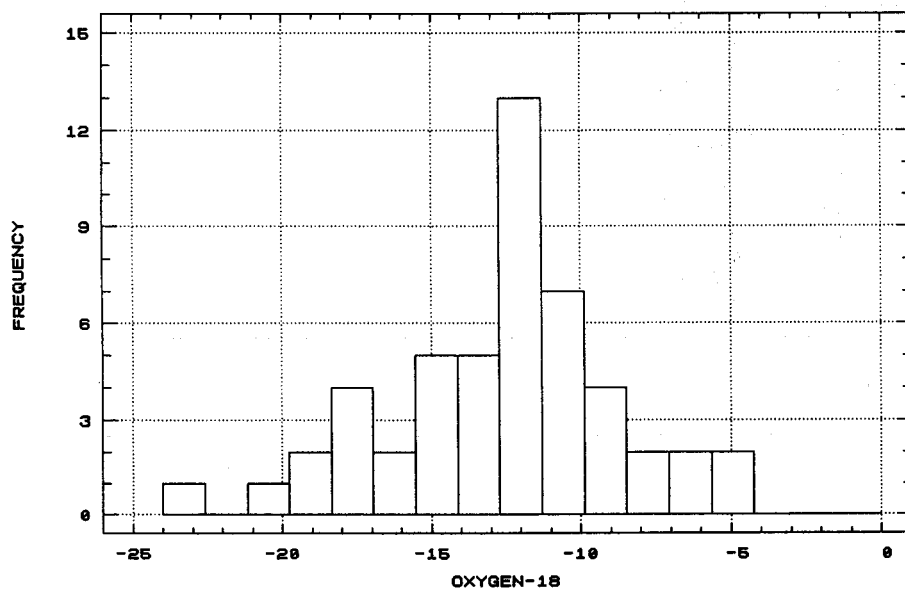
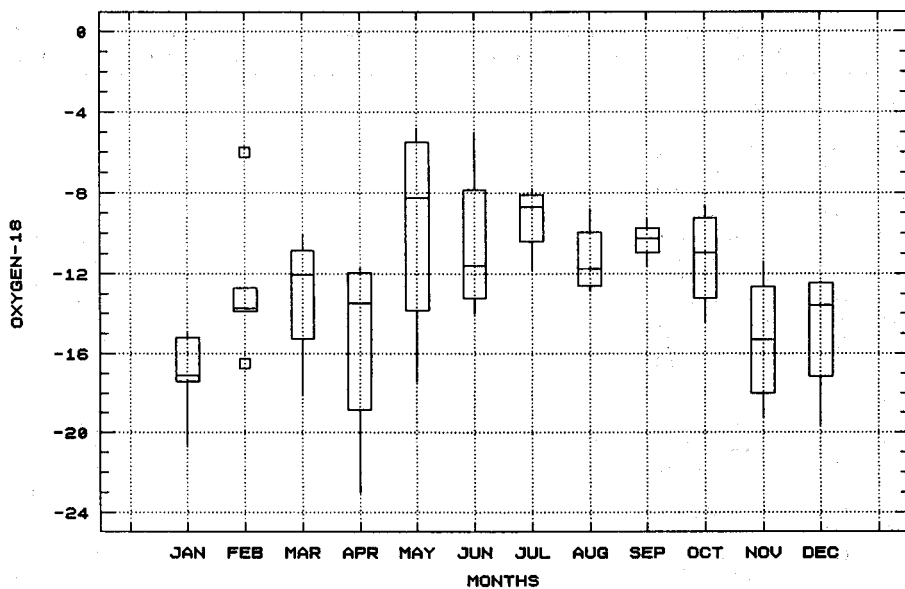
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	76	1.02	0.07	-0.25	0.19	0.749	0.25
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	7	0.89	0.06	0.19	0.17	0.979	0.06
3) Monthly Deut vs. Monthly Precipitation	48	0.16	0.12	-103.43	5.04	0.036	23.84
4) Monthly Oxyg-18 vs. Monthly Prec	50	0.02	0.02	-13.36	0.81	0.031	3.93
5) Monthly Deut vs. Monthly Temperature	48	1.14	0.28	-95.85	3.08	0.264	20.83
6) Monthly Oxyg-18 vs. Monthly Temp	50	0.19	0.04	-12.08	0.49	0.282	3.38
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	48	5.87	0.22	-25.21	2.83	0.942	5.87
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	48	6.04	0.21	-22.96	2.89	0.942	5.87

7021900 BETHEL, ALASKA, USA

Lat. 60.78N Long. 161.80W Alt. 41 m a.s.l.





7027300 ANCHORAGE, ALASKA, USA

Lat. 61.17N Long. 150.02W Alt. 35 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1966	311	697.7	688.5								
	(12)		(26.0/2)								
1967	487	328.2	333.4								
	(12)		(35.7/3)								
1968	307	207.4	208.2								
	(12)		(79.4/10)								
1969	206	211.0	213.6							3.2	6.1
	(12)		(100.0/11)							(12)	(12)
1970	333	193.3	176.9							2.8	5.9
	(12)		(100.0/12)							(12)	(12)
1971	378	157.2	164.1							0.2	5.7
	(12)		(100.0/12)							(12)	(12)
1972	371	49.5	59.8							-0.1	
	(12)		(100.0/12)							(12)	
1973	271	67.8	77.0							0.4	
	(12)		(100.0/12)							(12)	
1974	342	64.4	75.2							2.0	
	(12)		(100.0/12)							(12)	
1975	297	53.5	57.1							1.0	5.8
	(12)		(100.0/12)							(12)	(12)
1976	369	22.2	26.1							2.5	6.1
	(12)		(100.0/12)							(12)	(12)
1977	394	42.3	40.5							3.9	6.6
	(12)		(100.0/12)							(12)	(12)
1978	375	52.3	52.9							4.3	6.4
	(12)		(99.4/10)							(12)	(12)
1979	538	28.5	28.6							3.8	7.2
	(12)		(100.0/12)							(12)	(12)
1980	487	29.2	27.6							2.2	6.2
	(12)		(96.5/10)							(12)	(12)
1981	519	33.3	36.4								
	(11)		(100.0/11)								
1982	202	17.2	16.9								
	(6)		(55.0/6)								
1983	270	22.7	26.1								
	(10)		(73.6/10)								
1984	380	18.8	19.5								
	(12)		(98.4/10)								
1985	395	20.5	20.7								
	(12)		(100.0/12)								
1986	480	12.6	16.7								
	(12)		(92.5/11)								
1987	356	13.6	13.3								
	(12)		(85.1/10)								
Long Term Means 367											2.2 6.2
σ											1.5 0.4

MONTHLY MEANS

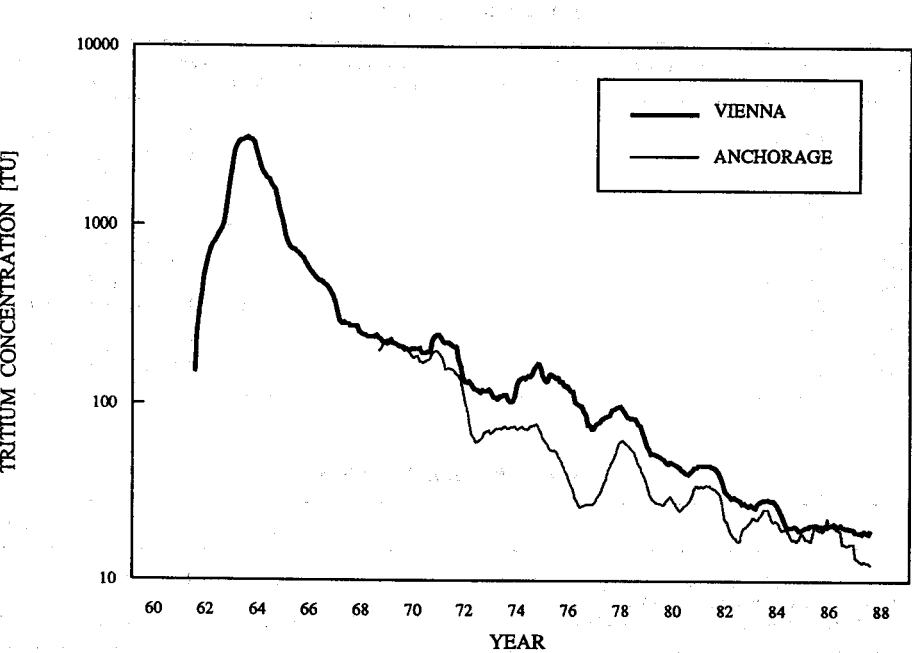
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	19	20										-10.0	5.6	13	2.7	1.1	12
Feb	20	21										-7.1	4.0	14	2.9	1.0	14
Mar	18	21										-3.3	3.4	14	3.5	0.8	12
Apr	14	21										2.0	1.9	14	4.6	0.7	13
May	18	21										8.2	1.5	14	6.7	0.6	13
Jun	25	22										12.4	1.1	15	9.3	0.7	14
Jul	44	21										14.7	1.0	14	11.7	0.9	14
Aug	55	22										13.4	1.1	15	11.5	1.4	13
Sep	62	21										8.9	1.3	14	8.8	1.1	12
Oct	51	22										1.7	2.2	15	5.5	0.8	14
Nov	27	21										-5.1	3.3	14	3.7	0.8	13
Dec	27	22										-8.8	3.6	15	2.6	0.8	14

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	215	0.92	0.03	-0.04	0.07	0.767	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	17	0.94	0.12	-0.12	0.24	0.800	0.18

7027300 ANCHORAGE, ALASKA, USA

Lat. 61.17N Long. 150.02W Alt. 35 m a.s.l.



7045400 ADAK, ALASKA, USA

Lat. 51.88N Long. 176.65W Alt. 4 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	1475 (12)	305.2 (79.6/10)	360.0	-7.63 (100.0/12)	-7.71	-56.1 (100.0/12)	-57.5	5.0 (100.0/12)	4.2	5.4 (12)	7.3 (12)
1963	1380 (12)	1314.1 (100.0/12)	1599.9	-9.50 (88.6/11)	-9.30	-72.9 (78.6/9)	-71.8	5.1 (78.6/9)	5.5	5.1 (12)	7.7 (12)
1964	1420 (12)	733.1 (68.2/9)	723.9	-8.38 (100.0/12)	-8.23	-61.6 (100.0/12)	-59.1	5.5 (100.0/12)	6.8	4.5 (12)	7.2 (12)
1965	1623 (12)	340.3 (83.6/10)	393.0	-9.21 (83.6/10)	-9.21	-62.1 (59.4/8)	-64.2	11.3 (59.4/8)	9.3	5.5 (12)	7.1 (12)
1966	1455 (12)	148.4 (100.0/12)	174.7	-9.86 (100.0/12)	-9.71	-69.1 (100.0/12)	-68.3	9.8 (100.0/12)	9.4	5.0 (12)	6.7 (12)
1967	1800 (12)	106.6 (100.0/12)	153.0	-7.86 (25.6/5)	-8.72	-50.9 (18.6/2)	-51.7	5.1 (7.7/1)	5.1	5.5 (12)	7.9 (12)
1968	1395 (12)	68.1 (85.5/9)	89.6							4.7 (12)	
1969	1183 (12)	35.0 (52.6/6)	50.7							4.8 (12)	
1970	1507 (12)	80.9 (89.7/11)	105.8							4.3 (12)	
1971	1435 (12)	76.3 (81.1/9)	89.6								
1972	1736 (12)	29.6 (100.0/12)	40.4	-10.71 (12.2/1)	-10.71	-76.4 (12.2/1)	-76.4	9.3 (12.2/1)	9.3	4.4 (12)	
1973	1177 (12)	42.0 (26.5/4)	42.9	-9.59 (39.5/5)	-9.40	-69.5 (39.5/5)	-68.5	7.2 (39.5/5)	6.8	4.0 (12)	
Long Term											
Means 1466				-8.89	-8.83	-64.4	-64.2	6.4	6.5	4.8	7.3
σ				0.91	0.83	7.6	6.9	2.3	2.2	0.5	0.4

MONTHLY MEANS

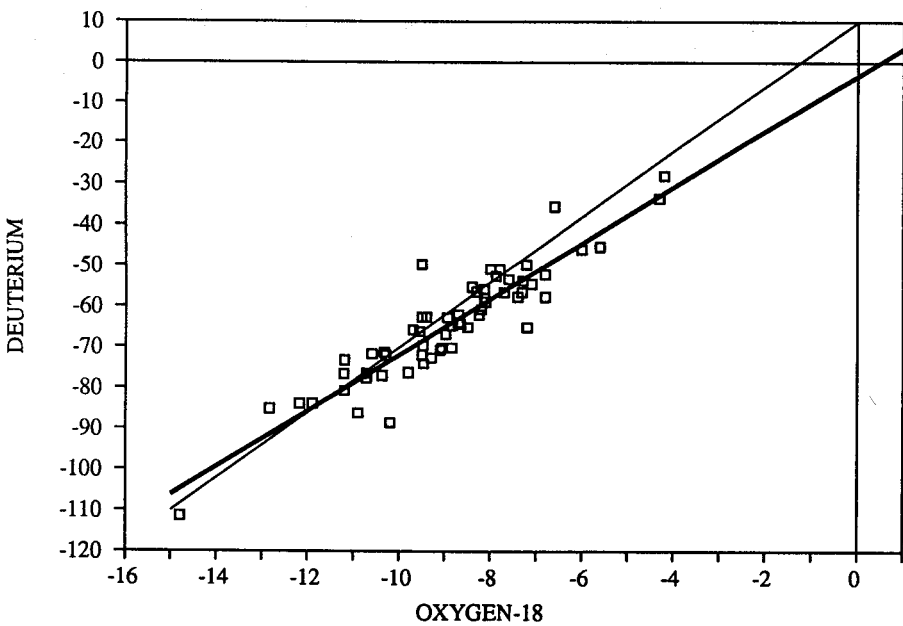
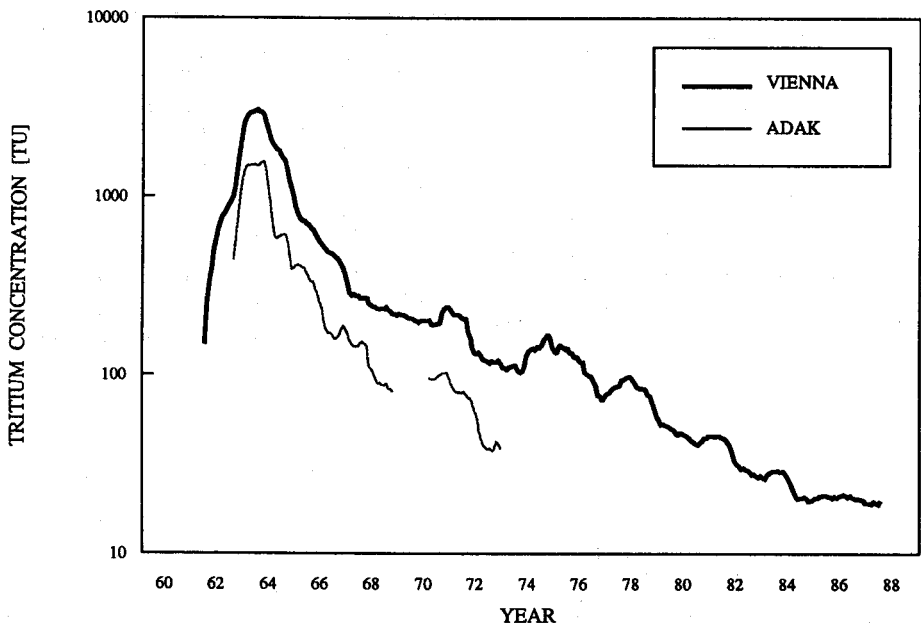
Month	Mean			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	132	12		-9.16	2.46	5	-57.9	16.8	6	13.1	4.8	5	0.9	0.9	12	5.0	0.6	8
Feb	106	12		-7.86	2.14	6	-56.7	16.5	6	6.2	4.2	6	0.1	1.5	12	4.7	0.6	8
Mar	134	12		-8.58	2.49	7	-62.2	20.9	5	5.6	5.6	5	1.7	0.9	12	5.4	0.8	8
Apr	127	12		-8.30	1.71	7	-64.8	13.0	5	1.9	6.4	5	3.2	0.8	12	6.2	0.4	7
May	68	12		-9.43	2.12	7	-64.3	10.4	6	5.9	3.7	6	5.1	1.1	12	7.2	0.9	7
Jun	63	12		-8.23	1.73	6	-63.8	15.6	5	3.7	3.4	5	7.4	0.5	11	8.7	0.5	6
Jul	72	12		-8.92	0.68	5	-64.3	4.7	5	7.0	5.6	5	9.8	1.5	12	11.0	1.0	6
Aug	97	12		-8.16	0.95	5	-63.3	5.8	4	2.5	4.4	4	10.6	1.1	12	10.7	0.5	6
Sep	136	12		-9.03	1.50	5	-69.0	9.0	4	6.3	2.2	4	8.7	1.1	12	9.6	0.8	6
Oct	152	12		-8.06	0.81	5	-56.9	10.0	5	7.6	4.1	5	5.5	0.3	12	7.1	0.6	7
Nov	200	12		-9.83	1.52	4	-61.3	13.8	4	17.3	6.7	4	2.1	1.9	12	5.9	0.5	7
Dec	180	12		-11.12	2.37	6	-81.6	18.9	6	7.3	7.5	6	1.5	1.3	12	5.4	0.5	8

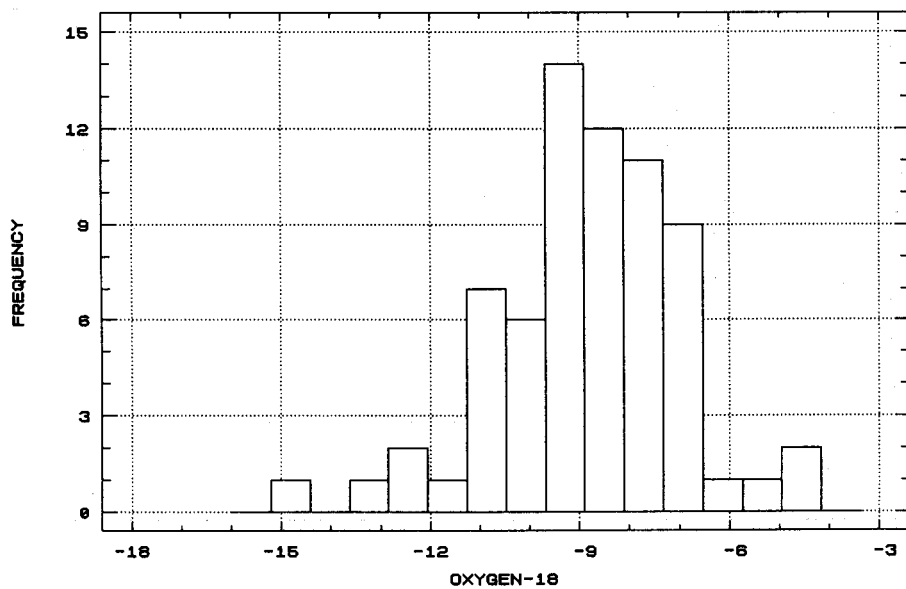
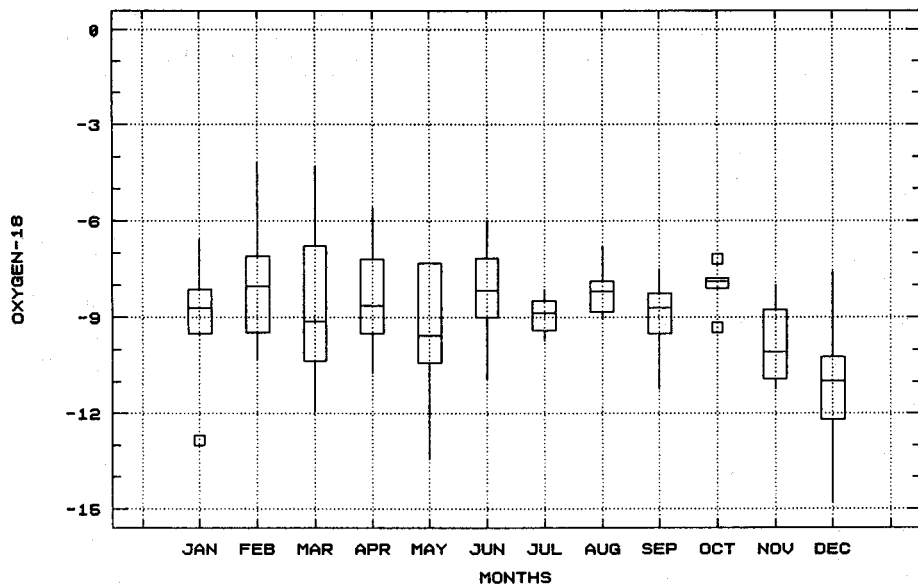
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	110	1.05	0.04	-0.54	0.11	0.849	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	1.11	0.08	-0.79	0.21	0.968	0.09
3) Monthly Deut vs. Monthly Precipitation	61	-0.01	0.03	-63.18	3.93	0.001	14.35
4) Monthly Oxyg-18 vs. Monthly Prec	68	-0.00	0.00	-8.73	0.48	0.002	1.92
5) Monthly Deut vs. Monthly Temperature	61	0.17	0.50	-64.66	2.93	0.002	14.34
6) Monthly Oxyg-18 vs. Monthly Temp	68	0.08	0.06	-9.27	0.38	0.024	1.90
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	60	6.86	0.38	-3.26	3.45	0.849	5.56
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	60	7.44	0.37	1.94	3.47	0.849	5.56

7045400 ADAK, ALASKA, USA

Lat. 51.88N Long. 176.65W Alt. 4 m a.s.l.





7220201 MIAMI (INST. MARINE SCIENCE), FLORIDA, USA

Lat. 25.75N Long. 80.16W Alt. 15 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1964	1179	167.2	160.0							24.5	23.8
	(12)	(100.0/12)								(12)	(12)
1965	1184	58.5	67.3							24.4	22.9
	(12)	(100.0/12)								(12)	(12)
1966	1238	70.1	60.0							23.8	23.8
	(12)	(100.0/12)								(12)	(12)
1967	1074	35.7	36.8							24.0	22.0
	(12)	(100.0/12)								(12)	(12)
1968	1629	26.6	27.5							24.0	22.0
	(12)	(100.0/11)								(12)	(12)
1969	1550	29.6	29.5							24.0	22.0
	(12)	(100.0/12)								(12)	(12)
1970	1240	27.8	25.8							24.0	22.0
	(12)	(100.0/9)								(12)	(12)
1971	1283	24.5	24.6							24.0	22.0
	(12)	(100.0/12)								(12)	(12)
1972	2123	16.4	14.2							24.4	23.2
	(12)	(100.0/12)								(12)	(12)
1973	1483	13.0	12.6							24.5	
	(12)	(100.0/12)								(12)	
1974	702	13.6	13.1							25.2	
	(12)	(100.0/12)								(12)	
1975	784	9.0	8.5							25.0	
	(12)	(100.0/12)								(12)	
1976	1210	7.3	7.2							24.1	
	(12)	(100.0/12)								(12)	
1977	1144	9.6	8.7							24.2	22.9
	(12)	(100.0/12)								(12)	(12)
1978	1205	12.6	17.4							23.7	22.8
	(12)	(92.7/11)								(12)	(12)
1979	1133	6.0	6.4							24.2	22.8
	(12)	(100.0/12)								(12)	(12)
1980	1373	6.2	6.0								
	(12)	(100.0/12)									
1981	1494	6.2	6.5							24.3	21.8
	(12)	(100.0/12)								(12)	(12)
1982	1466	4.2	4.2							25.4	
	(12)	(97.9/11)								(12)	
1983	1463	4.4	4.3								
	(12)	(100.0/12)									
1984	1197	4.9	4.7								
	(10)	(92.8/10)									
1985	1038	4.2	4.4								
	(12)	(95.2/9)									
1986	1362	3.5	3.7								
	(12)	(100.0/12)									
1987	1376	4.7	4.9								
	(12)	(94.1/11)									
Long Term											
Means 1289											24.3 22.6
σ											0.4 0.6

MONTHLY MEANS

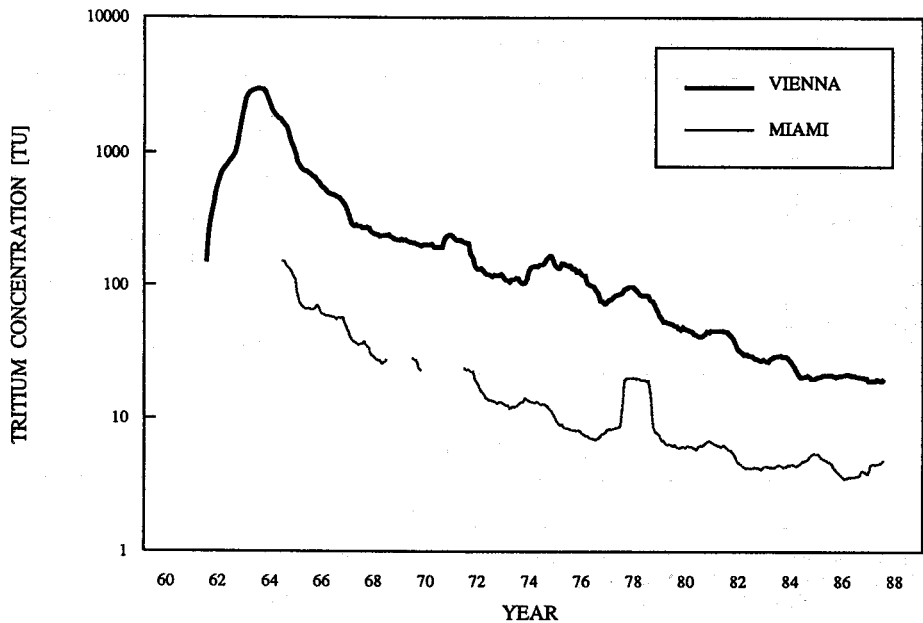
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	51	24										19.6	2.0	19	17.0	2.4	17
Feb	66	24										20.1	1.5	19	16.7	1.4	19
Mar	48	24										22.1	1.4	19	18.7	1.9	16
Apr	62	24										24.0	0.9	19	20.2	1.1	18
May	151	23										25.7	0.6	19	23.6	1.4	16
Jun	196	24										27.2	0.7	19	27.3	1.4	15
Jul	121	24										28.0	0.7	19	28.1	1.2	18
Aug	134	24										28.1	0.4	19	28.8	1.5	17
Sep	196	24										27.5	0.5	19	29.0	2.7	14
Oct	149	24										25.4	0.5	19	24.2	1.3	17
Nov	77	24										22.9	0.9	18	21.0	1.8	15
Dec	47	23										20.5	0.8	18	18.2	1.6	17

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	265	0.79	0.02	-0.48	0.04	0.845	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	23	0.83	0.05	-0.58	0.10	0.941	0.11

7220201 MIAMI (INST. MARINE SCIENCE), FLORIDA, USA

Lat. 25.75N Long. 80.16W Alt. 15 m a.s.l.



7220501 OCALA, FLORIDA, USA

Lat. 29.18N Long. 82.13W Alt. 26 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp.	Vap. Pr.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1961	1142	44.6	49.0								
	(12)		(14.5/3)								
1962	760	219.4	197.6								
	(10)		(57.6/10)								
1963	1240	616.1	529.2								
	(12)		(100.0/12)								
1964	1796	314.5	286.7								
	(12)		(100.0/12)								
1965	1498	169.5	156.3								
	(12)		(100.0/12)								
1966	1345	122.6	109.6								
	(12)		(99.7/11)								
1967	1062	86.2	63.9								
	(12)		(90.6/9)								
1968	1469	52.2	48.7								
	(12)		(94.0/10)								
1969	1513	48.4	42.0								
	(12)		(100.0/12)								
1970	1498	41.0	38.1								
	(12)		(94.9/10)								
1971	1414	19.5	19.9								
	(12)		(54.3/10)								
1972	1171	29.5	28.4							22.3	
	(12)		(40.7/5)							(12)	
1973	1189	27.3	25.7							21.3	
	(12)		(54.5/8)							(12)	
1974	1295	21.4	18.9								
	(12)		(100.0/12)								
1975	1273	17.3	15.6							20.7	19.3
	(12)		(100.0/12)							(12)	(12)
1976	1617	14.1	12.9								
	(12)		(100.0/12)								
1977	1063	13.1	16.1							20.9	
	(12)		(73.9/10)							(12)	
1978	1253	18.9	17.3							20.6	
	(12)		(79.3/9)							(12)	
1979	1649	11.0	10.8								
	(12)		(99.5/11)								
1980	1289	9.9	9.9							21.0	
	(12)		(100.0/12)							(12)	
1981	1126	13.0	11.4								
	(11)		(85.4/11)								
1982	1897	7.0	7.5							22.0	
	(12)		(100.0/12)							(12)	
1983	1232	8.2	8.0								
	(9)		(93.5/9)								
1984	1069	10.7	9.9								
	(11)		(48.7/8)								
1985	1222	7.5	7.0								
	(12)		(80.6/9)								
1986	1168	6.7	6.9								
	(12)		(100.0/12)								
1987		7.0	6.8								
			(78.4/9)								
Long Term											
Means 1317											21.3 19.3
σ											0.6

MONTHLY MEANS

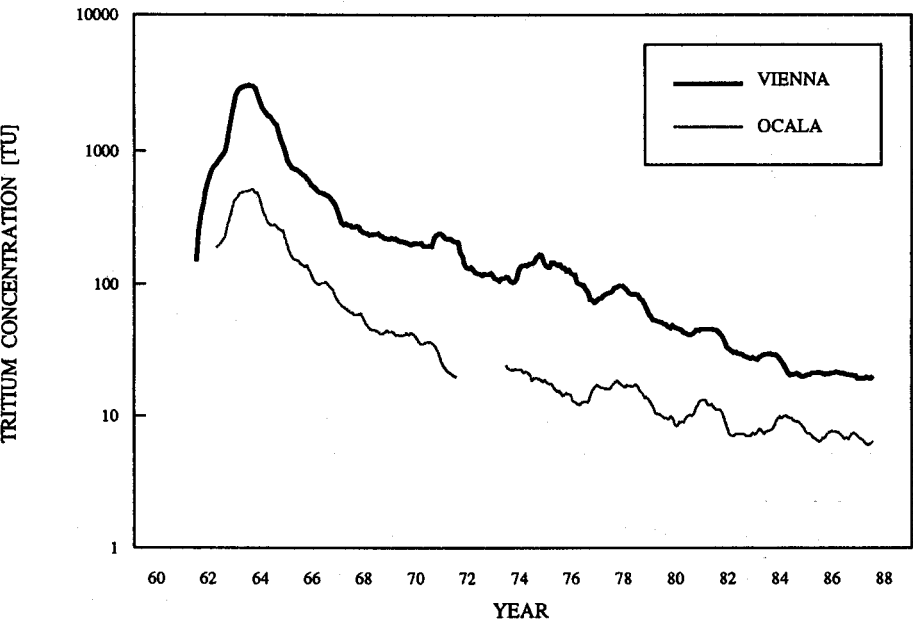
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	82	24										13.9	3.6	11	12.3		1
Feb	94	25										14.4	2.3	11	14.4		1
Mar	79	25										18.7	2.1	11	14.0		1
Apr	77	26										20.4	1.0	11	18.9		1
May	117	25										23.9	0.6	11	23.1		1
Jun	181	25										26.6	0.9	12	26.0		1
Jul	204	26										27.4	0.6	12	25.5		1
Aug	178	26										27.1	0.4	12	25.9		1
Sep	148	26										26.0	0.8	12	24.2		1
Oct	59	26										21.9	1.0	10	20.7		1
Nov	53	26										18.3	1.4	11	15.0		1
Dec	74	25										14.6	1.8	12	10.9		1

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	262	0.84	0.02	-0.35	0.05	0.860	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	20	0.90	0.04	-0.45	0.09	0.965	0.11

7220501 OCALA, FLORIDA, USA

Lat. 29.18N Long. 82.13W Alt. 26 m a.s.l.



7225600 WACO, TEXAS, USA

Lat. 31.62N Long. 97.22W Alt. 156 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	1086 (12)	400.0 (2.6/1)	400.0							18.9 (12)	16.4 (12)
1962	576 (12)	423.0 (99.6/11)	473.1	-3.86 (100.0/12)	-3.39	-23.5 (100.0/12)	-20.4	7.5 (100.0/12)	6.7	19.9 (12)	16.2 (12)
1963	498 (12)	1129.2 (99.7/11)	858.7	-3.66 (93.3/11)	-4.06	-17.0 (93.3/11)	-16.9	12.3 (93.3/11)	15.6	20.0 (12)	15.7 (12)
1964	744 (12)	376.7 (100.0/12)	386.7	-5.45 (100.0/12)	-4.70	-30.8 (100.0/12)	-27.0	12.9 (100.0/12)	10.6	19.6 (12)	15.9 (12)
1965	1070 (12)	205.0 (98.5/11)	225.5	-4.02 (100.0/12)	-3.51	-21.8 (100.0/12)	-16.9	10.5 (100.0/12)	11.3	20.0 (12)	15.9 (12)
1966	712 (12)	164.8 (95.0/8)	169.0							19.1 (12)	15.2 (12)
1967	838 (12)	78.1 (100.0/12)	76.8							20.2 (12)	16.6 (12)
1968	933 (12)	73.5 (95.1/11)	71.3							18.8 (12)	
1969	799 (12)	72.5 (99.8/11)	80.6							20.0 (12)	
1970	716 (12)	61.0 (99.1/10)	69.3							19.2 (12)	
1971	688 (12)	43.5 (99.8/11)	50.7							20.3 (12)	
1972	727 (12)	25.0 (90.7/10)	25.4	-5.69 (2.6/1)	-5.69	-33.6 (2.6/1)	-33.6	12.0 (2.6/1)	12.0	19.4 (12)	
1973	1140 (12)	20.6 (99.2/11)	20.0	-4.41 (100.0/12)	-3.85	-26.3 (100.0/12)	-20.6	9.0 (100.0/12)	10.2	18.9 (12)	
1974	952 (12)	26.1 (100.0/12)	26.2	-2.94 (100.0/12)	-2.80	-16.9 (100.0/12)	-15.0	6.7 (100.0/12)	7.4	19.5 (12)	
1975	939 (12)	25.4 (100.0/12)	24.1	-4.50 (100.0/12)	-4.25	-22.8 (100.0/12)	-20.5	13.3 (100.0/12)	13.5	18.9 (12)	
1976	1017 (12)	16.9 (100.0/12)	18.4	-3.47 (100.0/12)	-3.43	-22.6 (100.0/12)	-20.8	5.2 (100.0/12)	6.7	18.6 (12)	
1977	629 (12)	17.7 (100.0/12)	19.5							20.4 (12)	17.6 (12)
1978	602 (12)	19.4 (95.6/11)	20.8							19.2 (12)	15.4 (12)
1979	1075 (12)	13.4 (99.2/11)	12.9							17.7 (12)	15.9 (12)
1980	584 (12)	13.7 (98.4/10)	14.3							19.5 (12)	16.1 (12)
1981	825 (10)	15.1 (100.0/10)	18.4								
1982	682 (9)	10.8 (84.2/9)	11.1								
1983	600 (10)	8.1 (74.1/10)	8.8								
1984	874 (12)	8.7 (100.0/12)	10.0								
1985	837 (12)	8.8 (95.6/10)	7.7								
1986	906 (12)	3.8 (13.9/2)	6.9								

Long Term
Means 810
 σ

-4.04	-3.75	-22.9	-19.8	9.4	10.2	19.4	16.1
0.76	0.59	4.6	3.6	3.1	3.2	0.6	0.6

MONTHLY MEANS

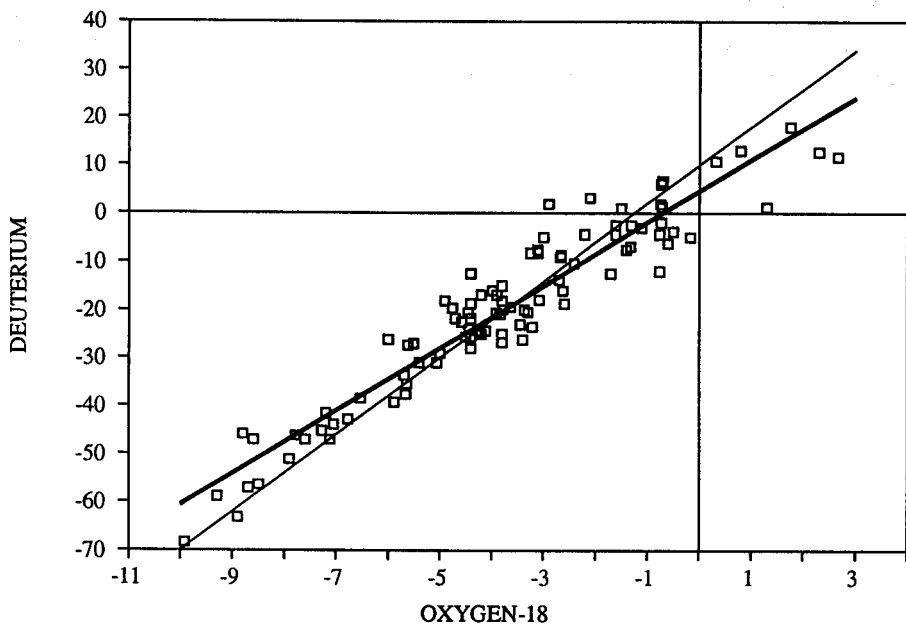
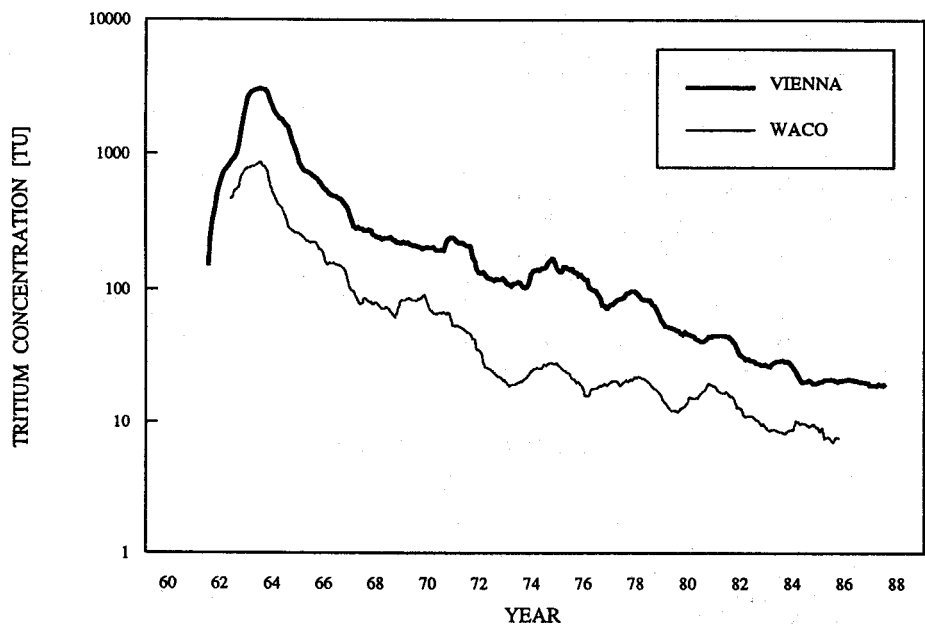
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	41	25	-5.13	2.45	8	-25.4	17.8	8	15.6	6.2	8	7.2	2.4	22	6.7	1.1	11
Feb	52	26	-4.99	2.93	8	-26.7	20.6	8	13.2	6.1	8	9.8	2.2	23	7.9	1.4	11
Mar	56	26	-2.85	1.95	8	-13.4	13.2	8	9.4	5.9	8	14.6	2.3	23	10.5	1.4	11
Apr	89	25	-2.67	1.20	8	-11.6	9.9	8	9.8	5.0	8	19.7	1.8	22	15.8	2.1	11
May	114	26	-2.40	1.60	8	-13.6	10.1	8	5.7	4.6	8	23.3	1.2	23	20.8	1.8	11
Jun	80	26	-4.61	2.60	8	-28.6	20.3	8	8.3	3.7	8	27.5	1.2	23	24.0	1.6	11
Jul	55	25	-0.26	2.03	8	-0.6	10.4	8	1.4	10.3	8	29.9	1.5	22	24.7	2.4	11
Aug	46	25	-1.11	1.85	7	-3.9	11.5	7	5.0	5.9	7	29.7	1.2	22	24.4	2.2	11
Sep	89	25	-5.85	2.38	8	-31.9	21.5	8	14.9	5.4	8	26.0	1.5	22	22.4	2.3	11
Oct	91	26	-4.53	1.61	8	-25.1	15.8	8	11.1	5.9	8	20.5	1.6	23	15.2	1.5	11
Nov	63	25	-3.84	2.09	8	-17.8	16.5	8	12.9	2.5	8	14.3	2.0	22	11.7	1.5	11
Dec	49	25	-6.23	1.77	9	-36.4	12.8	9	13.5	3.9	9	9.6	1.8	22	8.3	1.1	11

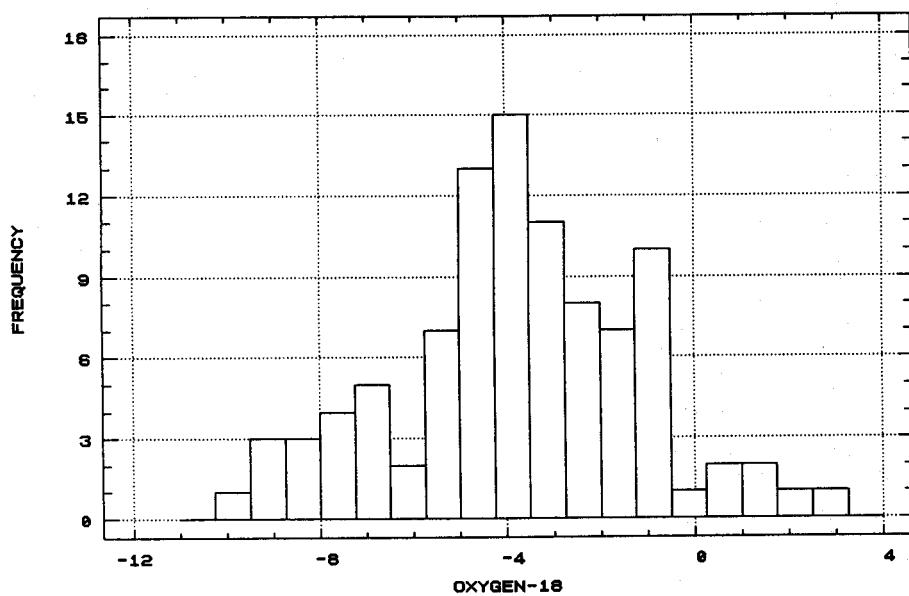
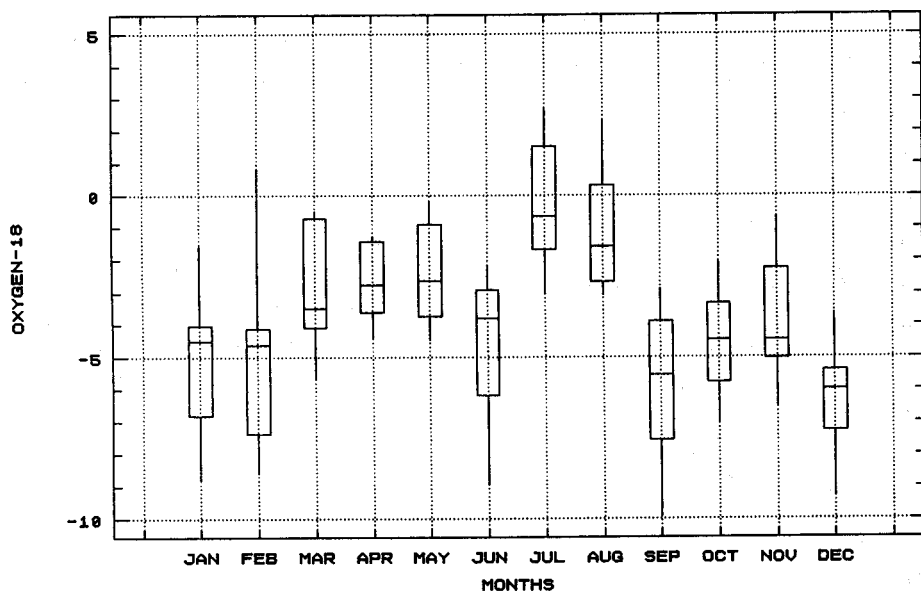
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	249	0.92	0.03	-0.37	0.06	0.832	0.24
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	22	1.01	0.06	-0.60	0.13	0.943	0.14
3) Monthly Deut vs. Monthly Precipitation	96	-0.05	0.03	-16.53	2.69	0.031	18.01
4) Monthly Oxyg-18 vs. Monthly Prec	96	-0.00	0.00	-3.44	0.40	0.012	2.66
5) Monthly Deut vs. Monthly Temperature	96	0.77	0.22	-34.62	4.61	0.112	17.23
6) Monthly Oxyg-18 vs. Monthly Temp	96	0.15	0.03	-6.56	0.64	0.191	2.41
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	96	6.52	0.22	4.58	0.99	0.907	5.57
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	96	6.84	0.21	5.80	1.13	0.907	5.57

7225600 WACO, TEXAS, USA

Lat. 31.62N Long. 97.22W Alt. 156 m a.s.l.





7230400 HATTERAS, NORTH CAROLINA, USA

Lat. 35.27N Long. 75.55W Alt. 3 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp.	Vap. Pr.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1960	1590									16.4	16.3
	(12)									(12)	(12)
1961	1114									16.5	16.5
	(12)									(12)	(12)
1962	2139	259.4	313.2	-4.76	-4.16	-26.6	-23.3	11.5	10.1	16.2	15.8
	(12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(12)	(12)
1963	1477	802.4	836.9	-4.22	-3.95	-21.6	-20.2	12.2	11.5	15.5	15.3
	(12)	(70.4/9)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(12)	(12)
1964	1453	448.4	503.2	-4.88	-4.45	-27.9	-23.9	11.3	11.7	16.7	16.2
	(12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(12)	(12)
1965	1055	203.1	197.0	-4.29	-4.00	-19.9	-18.8	14.5	13.2	16.2	15.9
	(12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(12)	(12)
1966	1428	116.0	117.8							15.8	15.7
	(12)	(100.0/12)								(12)	(12)
1967	1345	74.8	81.2							15.8	14.8
	(12)	(100.0/12)								(12)	(12)
1968	1399	72.2	76.6							16.9	15.6
	(12)	(100.0/12)								(12)	(12)
1969	1177	65.8	70.9							15.9	16.0
	(12)	(94.9/11)								(12)	(12)
1970	1440	57.3	58.9							16.3	16.4
	(12)	(91.8/11)								(12)	(12)
1971	1662	53.7	62.5							16.9	17.2
	(12)	(94.2/11)								(12)	(12)
1972	1564	32.9	40.0	-4.30	-4.30	-23.7	-23.7	10.7	10.7	17.1	17.0
	(12)	(100.0/12)	(7.8/1)	(7.8/1)	(7.8/1)	(7.8/1)	(7.8/1)	(7.8/1)	(7.8/1)	(12)	(12)
1973	1194	27.4	28.8	-3.78	-3.63	-16.9	-15.6	13.4	13.5	17.4	
	(12)	(100.0/12)	(97.1/11)	(97.1/11)	(97.1/11)	(97.1/11)	(97.1/11)	(97.1/11)	(97.1/11)	(12)	
1974	1274	30.0	29.3	-4.28	-3.53	-21.8	-16.5	12.6	11.9	17.8	17.3
	(12)	(95.0/11)	(86.4/10)	(86.4/10)	(86.4/10)	(86.4/10)	(86.4/10)	(86.4/10)	(86.4/10)	(12)	(12)
1975	1232	20.5	21.2	-2.63	-2.48	-11.1	-10.4	10.0	9.5	17.8	17.7
	(12)	(100.0/12)	(90.9/11)	(90.9/11)	(90.9/11)	(90.9/11)	(90.9/11)	(90.9/11)	(90.9/11)	(12)	(12)
1976	1444	18.1	17.0	-4.74	-4.33	-27.3	-23.3	10.7	11.5	16.4	16.1
	(12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(100.0/12)	(12)	(12)
1977	1322	16.2	20.6							17.1	17.0
	(12)	(81.6/9)								(12)	(12)
1978	1214	23.4	21.6							16.4	16.5
	(12)	(87.6/9)								(12)	(12)
1979	1750	12.7	14.2							16.4	16.3
	(12)	(100.0/12)								(12)	(12)
1980	1316	16.3	18.4							16.2	16.1
	(12)	(90.1/11)								(12)	(12)
1981	1275	23.5	23.2								
	(11)	(92.0/11)									
1982	1296	19.1	17.8								
	(11)	(93.5/11)									
1983	1161	15.5	24.2								
	(9)	(83.7/9)									
1984	1148	11.9	12.1								
	(12)	(78.5/10)									
1985	1706	13.6	16.1								
	(12)	(100.0/12)									
1986	1242	13.6	11.1								
	(12)	(51.1/5)									
1987		8.4	8.5								
		(47.1/6)									

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
Long Term Means 1386				-4.29	-3.82	-22.5	-19.0	11.9	11.6	16.6	16.3
σ				0.74	0.62	5.8	4.6	1.5	1.3	0.6	0.7

MONTHLY MEANS

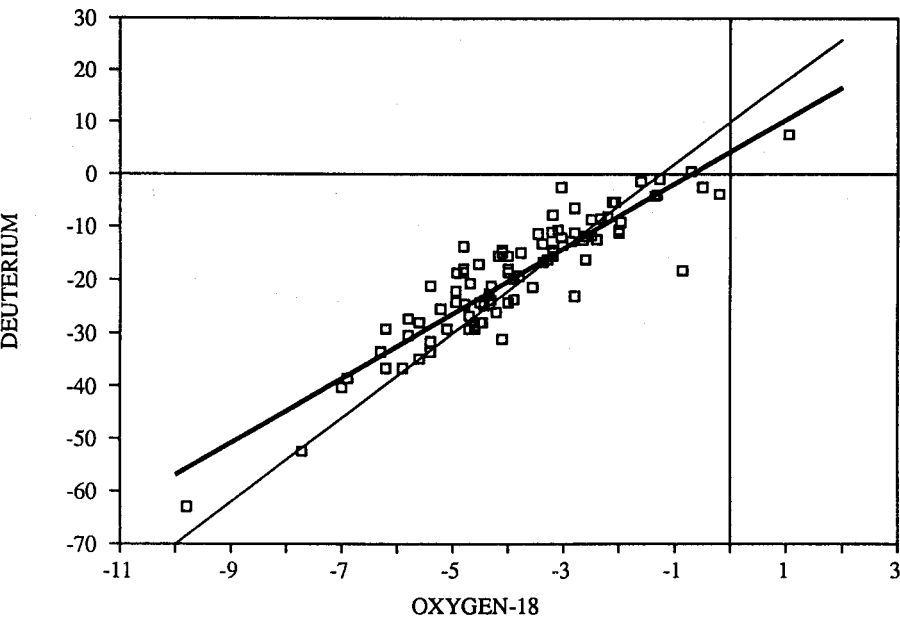
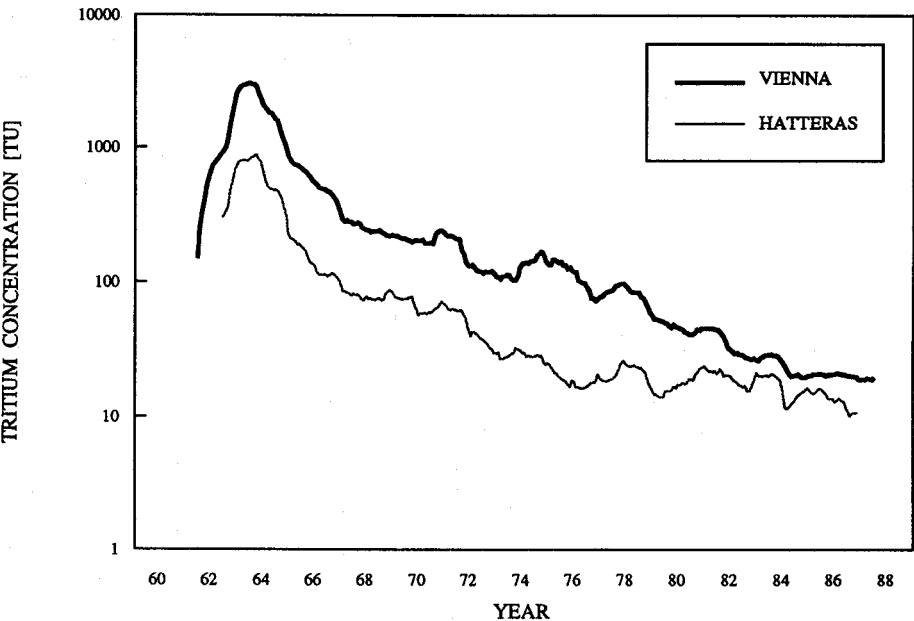
Month	Mean Prec.	n	Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
			Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	128	26	-4.84	1.32	7	-24.1	9.4	7	14.6	2.5	7	7.1	2.7	23	8.4	1.9	23
Feb	109	27	-4.67	1.74	8	-24.2	12.2	8	13.1	4.3	8	7.5	2.3	24	8.2	1.3	22
Mar	91	26	-2.65	1.69	8	-12.7	10.4	8	8.5	5.1	8	10.5	2.1	23	9.7	1.6	23
Apr	81	26	-2.75	1.00	8	-10.7	7.1	8	11.3	6.2	8	14.9	1.3	23	13.0	1.1	22
May	107	26	-2.78	0.95	8	-12.2	7.2	8	10.0	4.0	8	19.2	1.2	23	18.1	1.5	23
Jun	112	27	-3.80	0.94	8	-21.6	7.6	8	8.8	4.5	8	23.3	1.0	24	23.2	1.5	24
Jul	132	27	-3.51	1.64	7	-16.7	11.0	7	11.3	6.9	7	25.6	0.5	24	27.0	1.1	24
Aug	142	27	-3.11	1.96	7	-15.8	12.0	7	9.1	5.5	7	25.6	0.8	24	26.9	1.1	24
Sep	131	26	-3.12	1.97	8	-18.0	10.4	8	7.0	9.1	8	23.4	1.1	23	22.7	2.5	23
Oct	128	27	-5.05	1.31	7	-28.4	11.9	7	12.0	2.2	7	18.2	1.3	24	16.4	1.6	24
Nov	125	27	-4.80	0.96	8	-21.4	9.6	8	17.0	4.6	8	13.3	1.6	24	12.2	1.8	24
Dec	120	27	-5.00	1.91	9	-24.8	15.5	9	15.2	3.6	9	9.2	2.0	24	9.4	1.7	24

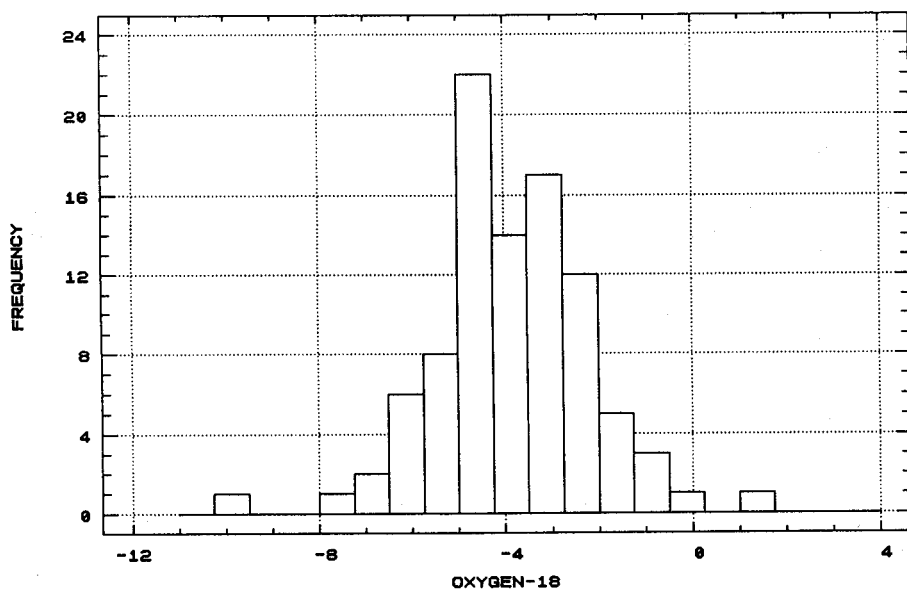
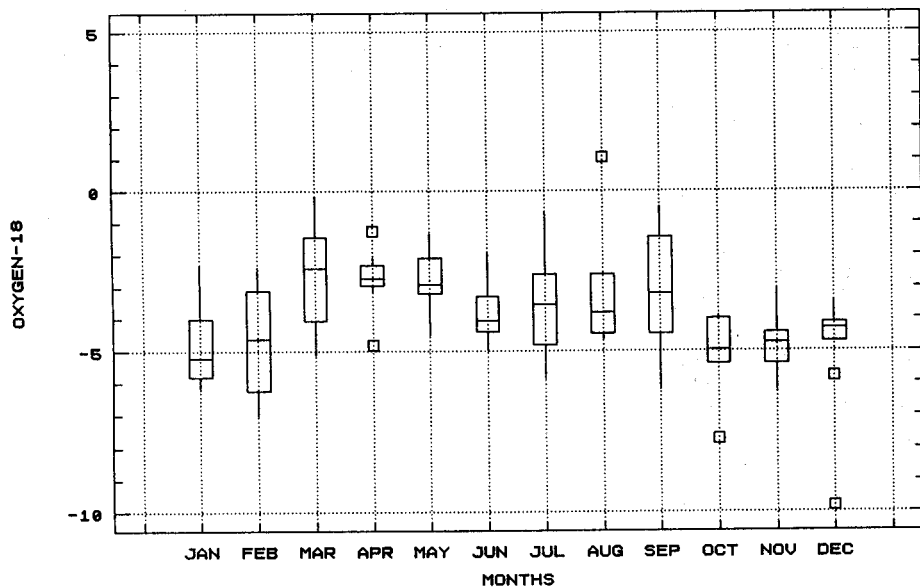
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	264	0.82	0.02	-0.13	0.05	0.818	0.23
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	22	0.82	0.07	-0.15	0.15	0.884	0.15
3) Monthly Deut vs. Monthly Precipitation	93	-0.08	0.01	-9.88	2.05	0.233	10.04
4) Monthly Oxyg-18 vs. Monthly Prec	93	-0.01	0.00	-2.57	0.31	0.196	1.53
5) Monthly Deut vs. Monthly Temperature	93	0.44	0.18	-26.42	3.15	0.063	11.10
6) Monthly Oxyg-18 vs. Monthly Temp	93	0.09	0.03	-5.40	0.45	0.132	1.59
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	93	6.12	0.29	4.31	1.23	0.827	4.76
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	93	6.73	0.29	6.64	1.31	0.827	4.76

7230400 HATTERAS, NORTH CAROLINA, USA

Lat. 35.27N Long. 75.55W Alt. 3 m a.s.l.





7236500 ALBUQUERQUE, NEW MEXICO, USA

Lat. 35.05N Long. 106.62W Alt. 1619 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	138 (12)	413.3 (70.2/6)	423.4							13.5 (12)	
1963	189 (12)	1898.7 (98.4/10)	2000.0							14.1 (12)	6.4 (12)
1964	187 (12)	1688.3 (99.4/10)	1822.0							12.6 (12)	6.1 (12)
1965	235 (12)	484.1 (96.5/11)	587.3							13.3 (12)	6.5 (12)
1966	173 (12)	282.2 (100.0/10)	324.0							13.1 (12)	
1967	204 (12)	237.7 (97.0/10)	198.0							13.6 (12)	
1968	273 (12)	188.1 (100.0/12)	206.3							13.1 (12)	6.2 (12)
1969	266 (11)	193.7 (100.0/11)	209.6								
1970	160 (12)	200.2 (100.0/12)	220.5							13.3 (12)	6.3 (12)
1971	206 (12)	163.9 (100.0/12)	238.1							11.3 (12)	7.1 (12)
1972	256 (12)	53.2 (92.5/9)	74.4							13.8 (12)	
1973	277 (12)	71.1 (100.0/12)	69.4							12.8 (12)	
1974	251 (12)	52.7 (77.2/6)	49.6							13.8 (12)	
1975	187 (12)	78.4 (39.0/9)	74.3							12.4 (12)	6.1 (12)
1976	132 (12)	63.4 (90.9/9)	60.3							12.8 (12)	6.3 (12)
1977	201 (12)	45.4 (100.0/12)	49.7							13.8 (12)	6.6 (12)
1978	279 (12)	46.9 (100.0/12)	50.1							14.1 (12)	6.6 (12)
1979	263 (12)	23.5 (63.8/9)	23.4							14.1 (12)	6.4 (12)
1980	224 (12)	23.3 (100.0/11)	27.8							14.2 (12)	6.4 (12)
1981	213 (12)	35.7 (100.0/12)	35.3							14.5 (12)	6.7 (12)
1982	188 (12)	28.9 (100.0/12)	34.1							13.5 (12)	
1983	197 (12)	16.2 (100.0/12)	17.0							13.8 (12)	
1984	320 (11)	15.4 (100.0/12)	17.1								
1985	283 (12)	19.7 (100.0/12)	20.6								
1986	302 (12)	17.4 (100.0/12)	18.1								
1987		11.0 (100.0/12)	12.3								
Long Term											
Means 224											13.4 6.4
σ											0.7 0.2

MONTHLY MEANS

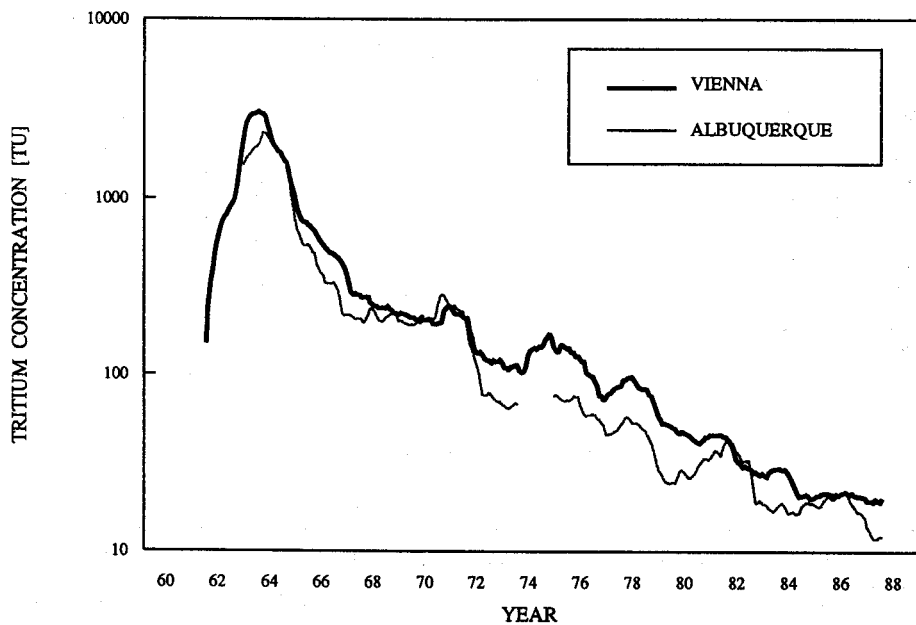
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	12	25										1.2	1.8	22	3.6	0.7	20
Feb	12	24										4.3	2.0	22	3.6	0.8	20
Mar	14	25										8.0	1.9	22	3.6	0.8	20
Apr	11	25										12.7	1.6	22	3.8	0.8	18
May	13	25										17.7	1.3	22	5.5	0.9	19
Jun	17	25										23.4	1.2	22	6.8	1.2	21
Jul	32	25										26.1	1.0	22	11.7	1.9	21
Aug	40	25										24.5	1.0	22	12.3	1.5	21
Sep	25	25										20.0	2.9	22	10.7	2.3	21
Oct	25	25										13.7	2.1	22	6.6	1.8	22
Nov	11	24										7.0	1.3	21	4.4	0.8	20
Dec	14	25										1.9	1.6	22	3.8	0.7	20

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	263	0.97	0.02	-0.08	0.05	0.868	0.23
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	22	0.99	0.05	-0.17	0.11	0.955	0.13

7236500 ALBUQUERQUE, NEW MEXICO, USA

Lat. 35.05N Long. 106.62W Alt. 1619 m a.s.l.



7237500 FLAGSTAFF, ARIZONA, USA

Lat. 35.13N Long. 111.67W Alt. 2137 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	481 (12)			-15.80	-15.80 (16.6/1)	-103.4	-103.4 (16.6/1)	23.0	23.0 (16.6/1)	7.5	6.2 (12)
1962	459 (12)	803.0	1232.7 (100.0/12)	-9.73	-8.28 (100.0/12)	-69.3	-57.2 (100.0/12)	8.7	9.1 (100.0/12)	7.5	5.7 (12)
1963	368 (12)	1397.1	1509.0 (97.5/10)	-9.53	-7.37 (97.5/10)	-69.8	-60.1 (97.5/10)	6.5	-1.1 (97.5/10)	7.5	5.8 (12)
1964	484 (12)	1118.8	1368.7 (99.7/11)	-7.37	-5.76 (99.7/11)	-56.7	-50.6 (99.7/11)	2.3	-4.6 (99.7/11)	6.9	5.9 (12)
1965	929 (12)	480.1	649.3 (100.0/12)	-12.01	-9.68 (97.2/11)	-88.8	-78.5 (97.2/11)	7.3	-1.1 (97.2/11)	7.0	6.1 (12)
1966	515 (12)	542.3	615.1 (12.2/4)	-7.44	-6.34 (99.0/10)	-60.6	-56.6 (81.5/9)	2.5	-5.1 (81.5/9)	7.7	6.4 (12)
1967	534 (12)			-6.21	-7.02 (98.1/11)	-51.3	-59.4 (98.1/11)	-1.7	-3.3 (98.1/11)	8.5	6.2 (12)
1968	421 (12)	115.0	115.0 (5.2/1)	-7.89	-7.10 (75.2/10)	-60.6	-59.1 (75.2/10)	2.6	-2.3 (75.2/10)	7.1	
1969	595 (12)	165.4	178.4 (85.8/8)	-5.88	-6.62 (79.6/9)	-49.7	-57.0 (79.6/9)	-2.7	-4.1 (79.6/9)	7.0	
1970	613 (12)	104.6	108.3 (100.0/11)	-3.82	-6.03 (100.0/11)	-69.5	-70.2 (48.2/7)	-1.0	-1.6 (48.2/7)	8.2	
1971	533 (12)	115.3	127.8 (92.4/9)	-9.09	-8.40 (91.3/8)					7.7	
1972	628 (12)	37.5	56.3 (82.9/8)	-0.89	-1.00 (28.1/2)	-23.4	-23.9 (28.1/2)	-16.3	-15.9 (28.1/2)	6.7	6.0 (12)
1973	502 (12)	135.9	135.9 (5.9/1)	-8.94	-10.51 (59.5/3)	-72.2	-81.8 (59.5/3)	-0.8	2.4 (59.5/3)	7.2	4.2 (12)
1974	442 (12)	63.9	69.5 (48.6/5)	-8.19	-9.72 (48.6/5)	-57.5	-71.8 (48.6/5)	8.1	6.0 (48.6/5)	8.3	4.6 (12)
1975	511 (12)									6.8	4.4 (12)
1976	510 (12)									8.1	4.7 (12)
Long Term											
Means 533				-8.07	-7.26	-65.9	-59.8	3.5	-1.6	7.5	5.5
σ				2.33	1.21	12.9	8.0	4.1	4.5	0.5	0.7

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	40	16	-10.81	3.50	10	-83.7	26.3	10	2.8	8.7	10	-2.1	1.8	16	3.5	2.9	12
Feb	45	16	-10.32	4.71	10	-86.1	33.5	9	-0.3	11.0	9	-0.4	2.2	16	3.3	1.0	12
Mar	59	16	-8.54	4.46	11	-75.6	14.0	10	1.9	13.7	10	1.2	2.3	16	3.4	0.7	12
Apr	38	16	-7.23	5.11	10	-58.9	32.6	9	-0.7	13.4	9	4.9	1.6	16	3.7	0.8	12
May	18	16	-5.73	6.20	8	-53.4	27.9	7	-8.9	28.3	7	10.2	1.6	16	4.5	0.7	12
Jun	8	16	-1.83	5.06	6	-32.7	22.8	6	-18.0	24.6	6	14.9	1.7	16	5.6	0.9	12
Jul	68	16	-4.15	2.39	11	-39.0	12.6	10	-3.3	8.2	10	18.7	1.2	16	10.7	2.4	12
Aug	60	16	-2.73	4.20	10	-31.9	33.6	7	-15.5	14.4	7	17.7	0.8	16	11.1	2.6	12
Sep	41	16	-6.91	5.04	10	-46.9	25.7	9	0.7	16.3	9	14.6	3.1	16	7.7	2.5	12
Oct	44	16	-5.50	5.05	8	-46.7	30.7	6	-0.4	22.3	6	8.2	1.9	16	5.2	1.3	12
Nov	41	16	-10.82	2.98	10	-75.7	22.7	9	13.8	6.1	9	2.5	1.8	16	4.0	1.0	12
Dec	71	16	-11.64	4.69	10	-83.6	31.5	9	6.5	12.6	9	-1.2	2.7	16	3.0	0.8	12

CORRELATIONS

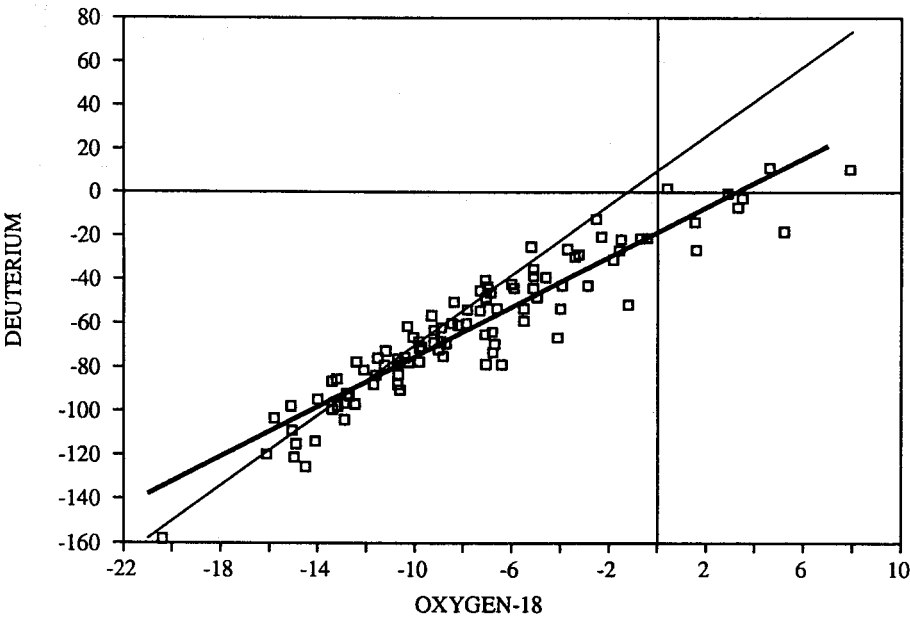
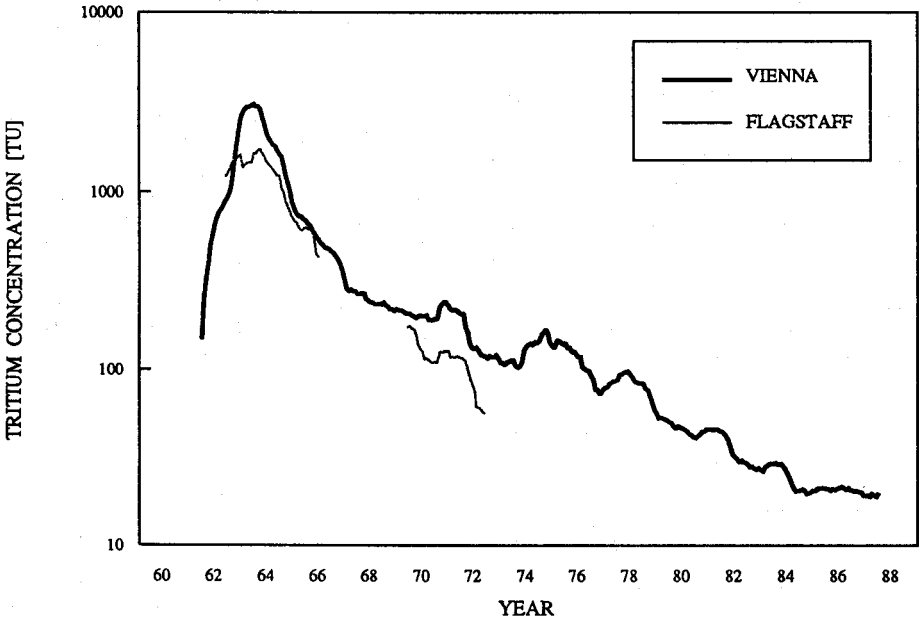
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	87	1.01	0.06	-0.18	0.16	0.775	0.28
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	8	1.09	0.13	-0.50	0.36	0.921	0.17
3) Monthly Deut vs. Monthly Precipitation	101	-0.11	0.08	-56.35	4.94	0.019	31.73
4) Monthly Oxyg-18 vs. Monthly Prec	114	-0.02	0.01	-6.56	0.77	0.018	5.24
5) Monthly Deut vs. Monthly Temperature	101	2.21	0.34	-76.39	3.48	0.305	26.69
6) Monthly Oxyg-18 vs. Monthly Temp	114	0.34	0.05	-9.78	0.57	0.258	4.55
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	101	5.68	0.21	-18.45	1.95	0.880	11.12
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	101	6.06	0.21	-15.59	2.23	0.880	11.12

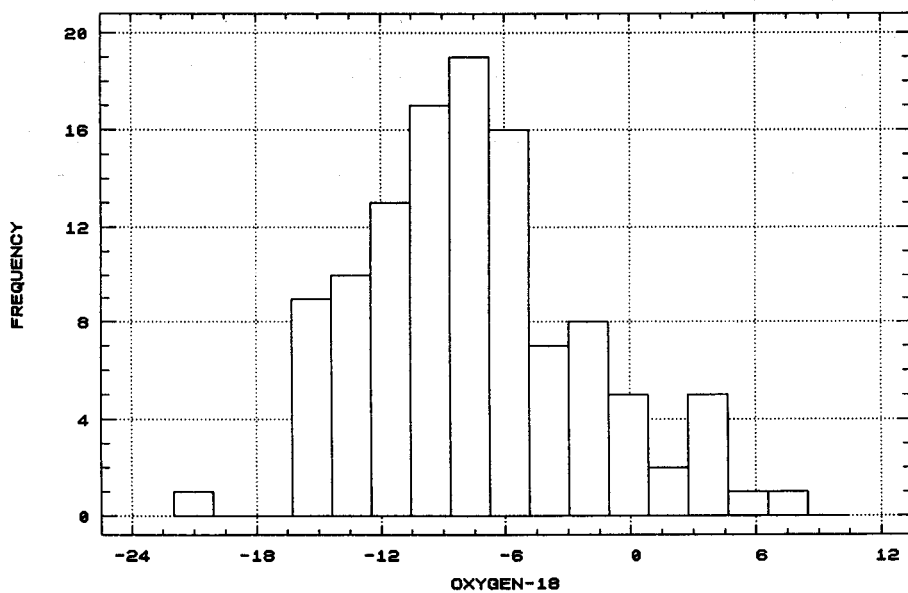
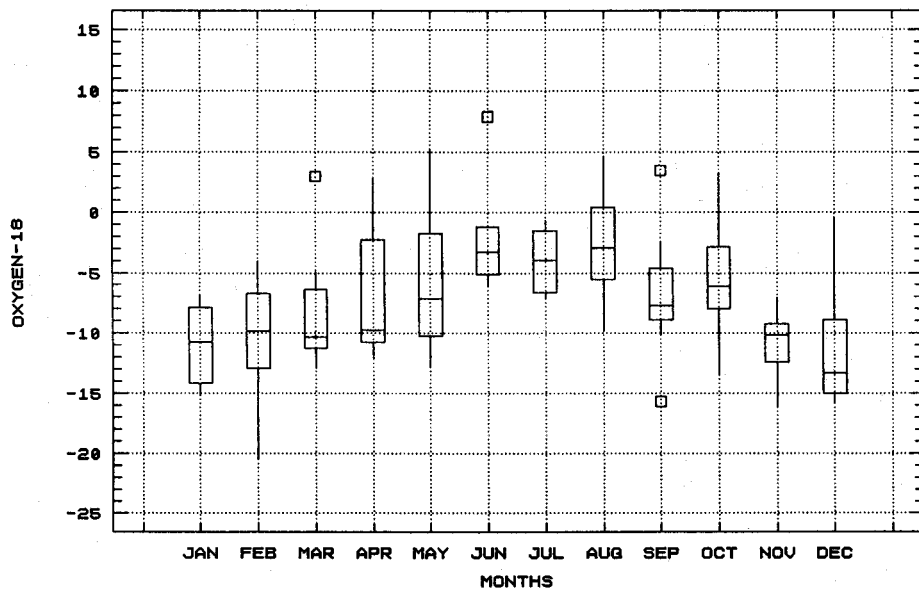
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
68	/ 10	-10.15	-35.9		
73	/ 4	-7.81	-5.8		
73	/ 5	-5.77	-7.8		

7237500 FLAGSTAFF, ARIZONA, USA

Lat. 35.13N Long. 111.67W Alt. 2137 m a.s.l.





7239400 SANTA MARIA, CALIFORNIA, USA

Lat. 34.90N Long. 120.45W Alt. 79 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	152 (12)									14.0 (12)	11.8 (12)
1962	353 (12)	255.4 (5.6/2)	279.5	-8.09 (96.0/6)	-3.65	-56.4 (96.0/6)	-27.4	8.4 (96.0/6)	1.9	13.3 (12)	11.6 (12)
1963	362 (12)	694.9 (92.5/9)	692.3	-4.80 (76.7/10)	-3.21	-28.9 (76.7/10)	-18.2	9.5 (76.7/10)	7.6	13.9 (12)	11.6 (12)
1964	253 (12)	269.4 (95.2/8)	405.3	-4.54 (83.3/10)	-3.20	-24.8 (83.3/10)	-21.8	11.6 (83.3/10)	3.9	12.8 (12)	10.3 (12)
1965	341 (12)	189.2 (97.3/5)	193.0	-6.23 (100.0/6)	-5.35	-40.4 (100.0/6)	-32.8	9.5 (100.0/6)	10.0	13.9 (12)	11.2 (12)
1966	392 (12)	80.2 (74.4/7)	93.9	-6.64 (45.9/2)	-6.77					13.6 (12)	11.2 (12)
1967	354 (12)	57.5 (53.9/5)	74.2							13.8 (12)	11.5 (12)
1968	207 (12)	49.1 (99.5/7)	50.9							14.6 (12)	11.8 (12)
1969	471 (12)	50.8 (100.0/8)	45.8							14.1 (12)	11.8 (12)
1970	337 (12)	36.1 (99.1/5)	36.9							13.8 (12)	11.2 (12)
1971	170 (12)	54.3 (100.0/9)	53.0							12.8 (12)	10.5 (12)
1972	175 (12)	25.9 (99.4/6)	30.7	-4.44 (16.5/1)	-4.44	-15.1 (16.5/1)	-15.1	20.5 (16.5/1)	20.5	13.2 (12)	
1973	502 (12)	21.2 (100.0/8)	23.0	-4.09 (67.9/5)	-3.16	-23.6 (67.9/5)	-18.9	9.2 (67.9/5)	6.5	13.7 (12)	
1974	406 (12)	22.5 (100.0/7)	21.1	-5.02 (99.2/6)	-3.98	-35.0 (99.2/6)	-25.8	5.2 (99.2/6)	6.2	13.3 (12)	
1975	221 (12)	19.8 (97.7/7)	17.5	-4.84 (97.7/7)	-4.24	-26.0 (97.7/7)	-23.6	12.7 (97.7/7)	10.4	13.1 (12)	
1976	302 (12)	15.6 (94.0/9)	13.7	-7.71 (99.6/9)	-5.87	-49.8 (99.6/9)	-35.6	12.0 (99.6/9)	11.4	14.5 (12)	
Long Term											
Means 312				-6.01	-4.22	-38.7	-26.5	9.4	7.3	13.7	11.3
σ				1.49	1.03	12.3	6.1	2.6	3.5	0.5	0.5

MONTHLY MEANS

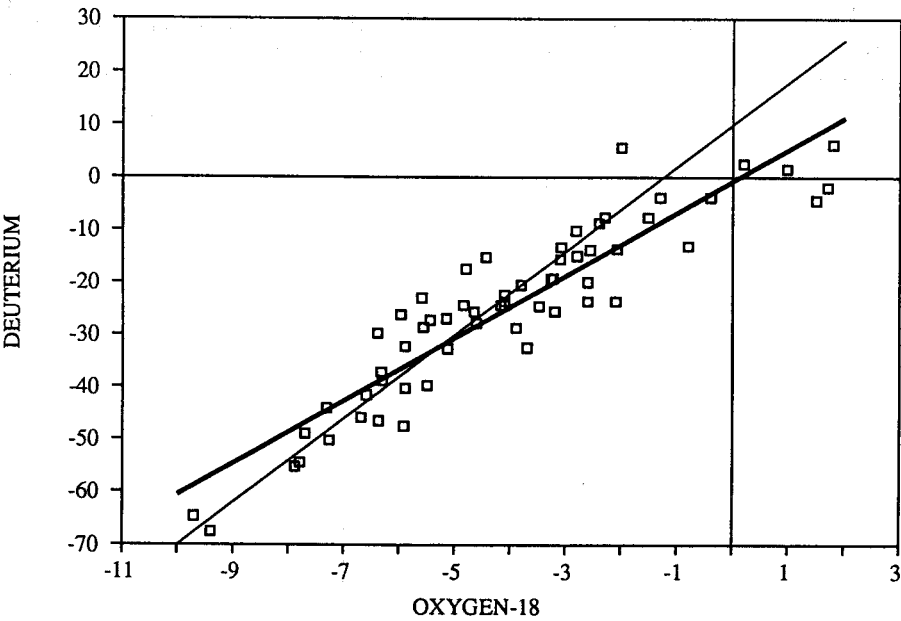
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	51	16	-4.79	2.16	8	-24.7	13.9	7	10.0	6.9	7	10.4	1.1	16	8.7	1.0	13
Feb	69	16	-5.65	2.87	7	-34.6	25.2	6	10.7	2.9	6	11.1	1.6	16	9.7	1.4	15
Mar	47	16	-5.25	1.58	8	-32.6	10.0	8	9.3	6.9	8	10.9	1.1	16	9.8	0.7	14
Apr	30	16	-3.57	3.61	7	-24.4	19.8	7	4.2	9.5	7	11.9	1.3	16	10.0	1.0	13
May	4	16	-4.70	3.02	3	-31.8	22.8	3	5.8	5.5	3	13.6	1.1	16	11.2	0.7	14
Jun	1	16	-0.96	3.35	3	-10.0	14.0	3	-2.4	13.8	3	15.6	1.0	16	12.6	0.8	14
Jul	0	16	1.50		1	-4.4		1	-16.4		1	16.9	0.7	16	13.9	1.0	14
Aug	2	16	-3.48	3.59	3	-23.3	25.4	3	4.5	4.1	3	17.4	0.8	16	14.5	0.9	13
Sep	7	16	-5.79	3.70	2	-43.9	20.1	2	2.5	9.4	2	16.8	1.3	16	13.9	1.2	14
Oct	17	16	-2.66	2.47	5	-13.0	11.6	5	8.3	10.3	5	15.9	0.9	16	11.8	1.1	13
Nov	44	16	-4.56	1.26	6	-26.4	10.1	6	10.1	7.0	6	12.8	1.4	16	10.6	1.1	13
Dec	41	16	-3.90	1.97	9	-20.5	16.2	9	10.7	9.2	9	10.1	1.0	16	8.9	1.1	13

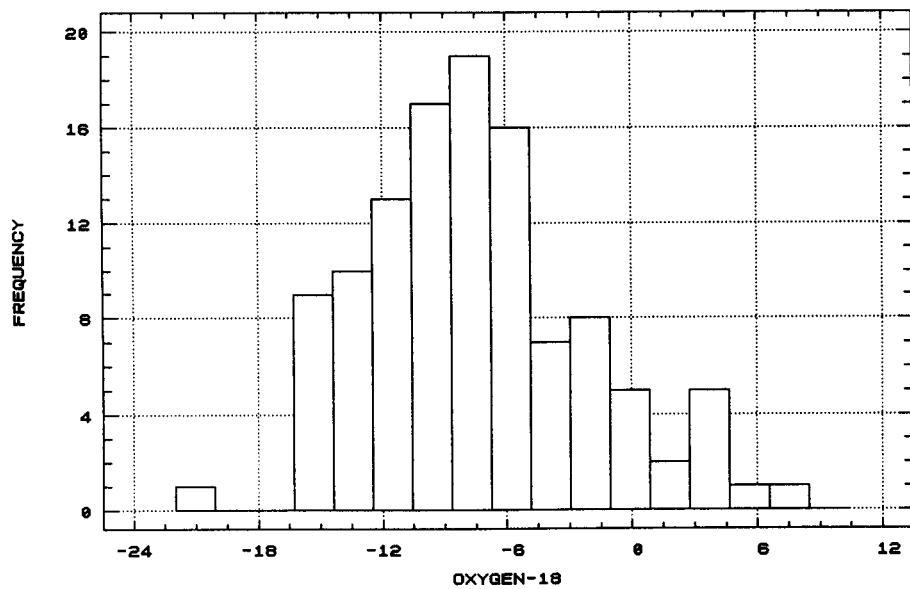
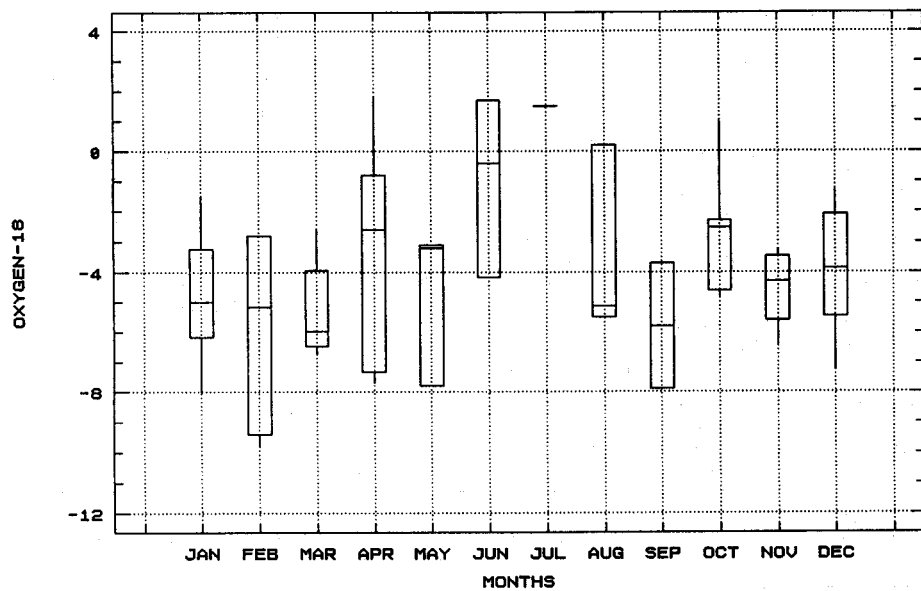
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	99	0.94	0.12	-0.50	0.29	0.387	0.60
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	1.04	0.05	-0.84	0.12	0.980	0.08
3) Monthly Deut vs. Monthly Precipitation	60	-0.22	0.04	-16.18	2.36	0.357	13.65
4) Monthly Oxyg-18 vs. Monthly Prec	62	-0.03	0.01	-2.77	0.37	0.337	2.14
5) Monthly Deut vs. Monthly Temperature	60	0.89	0.80	-36.09	10.08	0.021	16.84
6) Monthly Oxyg-18 vs. Monthly Temp	62	0.26	0.12	-7.31	1.49	0.072	2.53
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	60	5.98	0.34	-0.75	1.62	0.844	6.71
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	60	6.51	0.33	1.40	1.82	0.844	6.71

7239400 SANTA MARIA, CALIFORNIA, USA

Lat. 34.90N Long. 120.45W Alt. 79 m a.s.l.





7239800 TRURO, NOVA SCOTIA, CANADA

Lat. 45.37N Long. 63.27W Alt. 40 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1975	571 (5)	37.9 (56.6/5)	47.0	-8.11 (56.6/5)	-7.42	-50.6 (56.6/5)	-46.8	14.3 (56.6/5)	12.6		
1976	1210 (12)	31.4 (100.0/12)	35.9	-9.18 (93.8/11)	-8.70	-60.9 (93.8/11)	-58.3	12.6 (93.8/11)	11.4	11.6 (12)	
1977	1367 (12)	32.2 (100.0/12)	35.0	-8.74 (100.0/12)	-9.01	-60.7 (100.0/12)	-62.2	9.4 (100.0/12)	9.9	5.6 (12)	
1978	1072 (12)	45.0 (100.0/12)	52.5	-9.53 (100.0/12)	-10.05	-62.5 (100.0/12)	-66.6	13.9 (100.0/12)	13.8	4.6 (12)	
1979	1457 (11)	21.8 (97.4/8)	23.5	-9.19 (100.0/12)	-8.90	-62.9 (100.0/12)	-61.5	10.7 (100.0/12)	9.7	6.5 (12)	
1980	1078 (9)	22.4 (100.0/11)	24.4	-10.27 (89.5/10)	-9.93	-72.3 (89.5/10)	-69.7	9.9 (89.5/10)	9.8		
1981	1315 (12)	47.2 (62.2/8)	48.3	-10.20 (75.8/9)	-9.80	-73.6 (75.8/9)	-70.5	8.0 (75.8/9)	8.0	6.4 (12)	
1982	786 (5)	30.6 (57.2/5)	32.6	-12.01 (77.9/8)	-10.88	-81.3 (77.9/8)	-73.3	14.8 (77.9/8)	13.8		
1983		28.3 (100.0/11)	31.2	-8.47 (100.0/12)	-8.52	-63.4 (100.0/12)	-64.3	4.4 (100.0/12)	3.9		
Long Term											
Means 1008				-9.53	-9.48	-66.1	-65.8	10.2	10.1	7.0	
σ				1.14	0.81	7.7	5.1	3.4	3.2	2.7	

MONTHLY MEANS

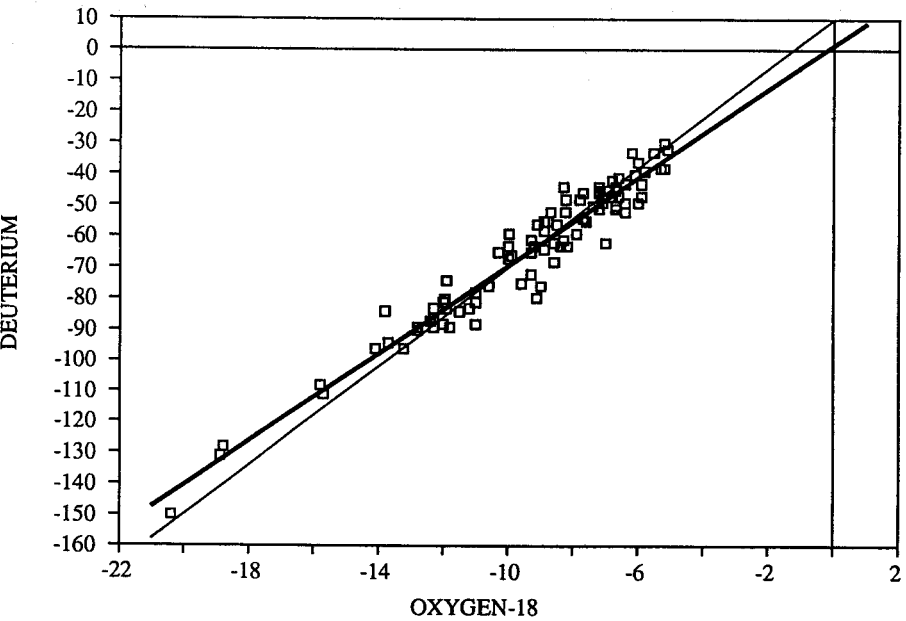
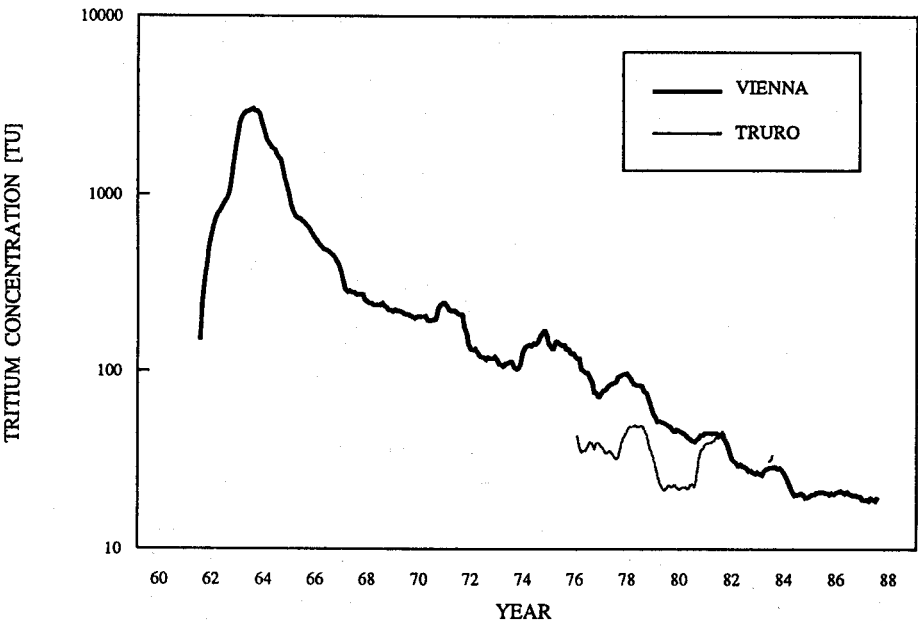
Month	Mean Prec.			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	139	7	-12.33	3.34	7	-84.6	24.8	7	14.1	4.4	7	-6.2	3.1	7				
Feb	66	7	-13.46	4.50	8	-95.6	33.2	8	12.1	6.2	8	-5.5	3.8	7				
Mar	100	6	-11.68	1.66	7	-82.1	12.6	7	11.3	6.2	7	-0.4	3.0	6				
Apr	88	5	-8.04	1.30	8	-58.0	12.2	8	6.4	7.1	8	4.7	2.7	6				
May	77	7	-7.10	1.36	8	-49.0	12.1	8	7.8	6.1	8	10.4	2.8	7				
Jun	88	7	-7.35	1.41	8	-51.0	9.6	8	7.8	3.4	8	15.2	3.1	7				
Jul	86	7	-7.10	1.30	8	-49.5	9.8	8	7.3	7.0	8	18.3	2.4	7				
Aug	73	6	-6.54	1.19	7	-46.0	14.4	7	6.3	6.4	7	19.5	3.6	6				
Sep	105	6	-7.40	1.17	6	-48.3	10.8	6	10.9	4.9	6	14.0	3.7	7				
Oct	130	7	-8.35	1.40	7	-54.3	12.3	7	12.5	5.8	7	9.1	2.7	7				
Nov	119	7	-9.36	2.42	8	-65.0	17.6	8	9.8	6.2	8	4.0	3.0	7				
Dec	170	6	-12.09	2.08	9	-82.4	13.4	9	14.3	7.8	9	-2.4	2.9	7				

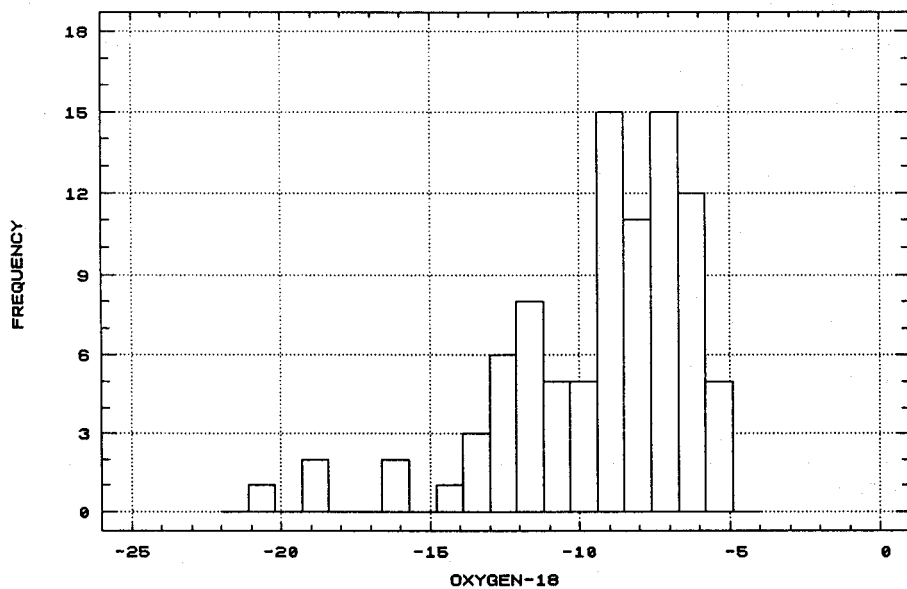
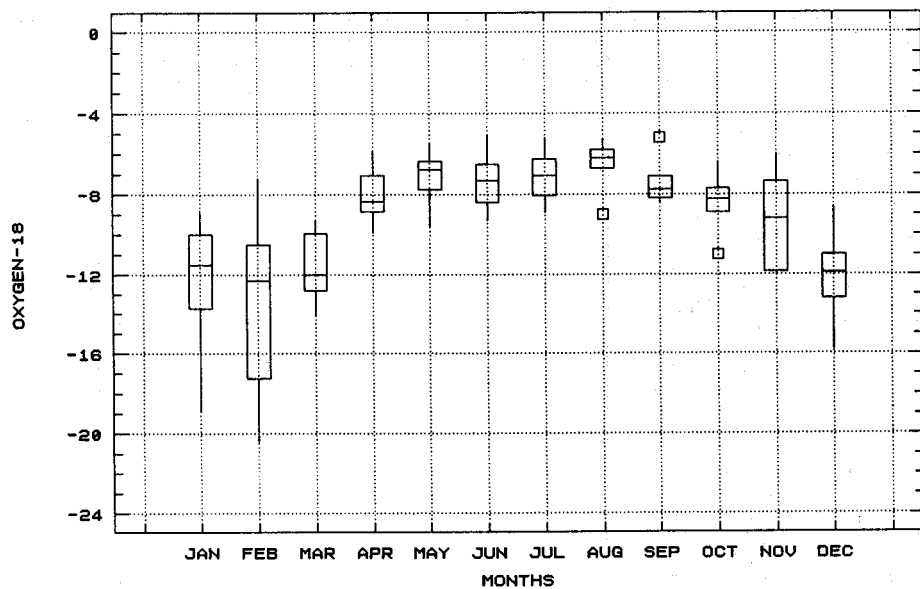
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	81	0.49	0.12	0.63	0.21	0.179	0.29
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	6	0.31	0.21	0.90	0.37	0.363	0.10
3) Monthly Deut vs. Monthly Precipitation	91	-0.04	0.05	-59.80	5.99	0.007	23.12
4) Monthly Oxyg-18 vs. Monthly Prec	91	-0.01	0.01	-8.49	0.82	0.013	3.15
5) Monthly Deut vs. Monthly Temperature	75	1.91	0.19	-76.12	2.20	0.570	15.53
6) Monthly Oxyg-18 vs. Monthly Temp	75	0.26	0.03	-11.03	0.29	0.596	2.02
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	91	7.10	0.19	1.66	1.89	0.938	5.76
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	91	7.33	0.19	3.79	1.96	0.938	5.76

7239800 TRURO, NOVA SCOTIA, CANADA

Lat. 45.37N Long. 63.27W Alt. 40 m a.s.l.





7240500 WASHINGTON, D.C., USA

Lat. 38.85N Long. 77.03W Alt. 4 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1963	999	1199.0	1264.6							13.2	10.6
	(12)		(100.0/11)							(12)	(12)
1964	748	1102.1	1170.0							14.2	11.4
	(12)		(100.0/12)							(12)	(12)
1965	685	494.8	467.5							13.8	12.0
	(12)		(72.4/10)							(12)	(12)
1966	913	289.4	343.2							13.8	
	(12)		(89.0/11)							(12)	
1967	968	190.4	178.4							13.6	11.5
	(12)		(100.0/12)							(12)	(12)
1968	933	156.1	149.2							14.2	11.6
	(12)		(100.0/12)							(12)	(12)
1969	1101	149.9	137.5							14.0	11.8
	(12)		(100.0/12)							(12)	(12)
1970	1008	135.9	129.7							14.3	12.3
	(12)		(100.0/12)							(12)	(12)
1971	1168	114.2	112.9							14.4	12.3
	(12)		(88.1/11)							(12)	(12)
1972	1320	64.4	63.9							13.8	12.0
	(12)		(100.0/12)							(12)	(12)
1973	887	62.5	59.4							15.2	
	(12)		(100.0/12)							(12)	
1974	914	65.7	71.7							14.9	
	(12)		(100.0/12)							(12)	
1975	1283	52.1	50.8							15.2	13.0
	(12)		(100.0/12)							(12)	(12)
1976	968	31.5	34.2							14.4	11.5
	(12)		(100.0/12)							(12)	(12)
1977	917	48.7	45.9							14.6	12.8
	(12)		(84.2/10)							(12)	(12)
1978	956	46.4	48.7							12.0	11.4
	(12)		(100.0/12)							(12)	(12)
1979	1203	35.2	34.8							14.5	13.6
	(12)		(100.0/12)							(12)	(12)
1980	775	28.9	31.5							15.3	13.0
	(12)		(100.0/12)							(12)	(12)
1981	780	48.4	49.3							15.0	
	(12)		(100.0/12)							(12)	
1982	784	33.8	31.7								
	(10)		(81.3/10)								
1983	1238	26.7	26.6								
	(11)		(100.0/11)								
1984	958	39.5	36.2								
	(12)		(72.7/9)								
1985	912	24.3	24.1								
	(12)		(81.3/10)								
1986	722	18.7	18.6								
	(12)		(78.1/9)								
1987		21.6	21.4								
			(77.2/9)								
Long Term											
Means 964											14.3 12.1
σ											0.7 0.7

MONTHLY MEANS

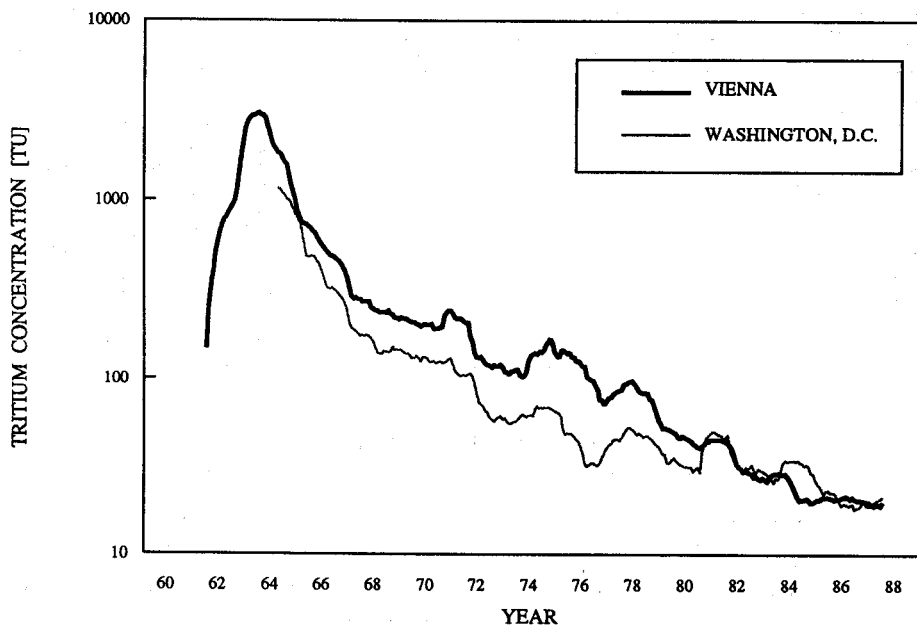
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	66	24										1.3	2.6	21	4.4	0.8	19
Feb	67	24										2.7	2.5	21	4.5	1.0	21
Mar	79	24										8.2	1.9	21	6.5	1.1	21
Apr	66	23										13.4	1.5	20	9.1	1.3	19
May	90	24										19.0	1.5	21	14.0	1.7	20
Jun	87	24										23.7	1.2	21	18.7	2.6	21
Jul	96	24										26.2	0.9	21	22.1	1.4	20
Aug	97	23										25.4	1.1	20	21.8	2.0	19
Sep	91	23										21.8	1.5	20	18.0	1.9	19
Oct	77	24										15.1	1.6	21	11.8	1.7	19
Nov	78	24										9.8	1.6	21	7.9	1.1	21
Dec	81	24										4.2	2.0	21	6.1	2.3	21

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	269	0.83	0.02	0.18	0.05	0.850	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	23	0.83	0.05	0.15	0.10	0.932	0.13

7240500 WASHINGTON, D.C., USA

Lat. 38.85N Long. 77.03W Alt. 4 m a.s.l.



7243400 ST. LOUIS, MISSOURI, USA

Lat. 38.75N Long. 90.38W Alt. 163 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1963	727 (12)	1545.5 (100.0/12)	1368.4 (100.0/12)							12.4 (12)	10.8 (12)
1964	816 (12)	1362.8 (100.0/12)	1258.8 (100.0/12)							13.4 (12)	11.5 (12)
1965	716 (12)	531.9 (100.0/12)	482.1 (100.0/12)							13.4 (12)	
1966	821 (12)	357.0 (100.0/12)	326.7 (100.0/12)							12.4 (12)	
1967	1048 (12)	176.8 (100.0/12)	176.3 (100.0/12)							12.6 (12)	
1968	827 (12)	112.7 (100.0/12)	115.8 (100.0/12)							12.6 (12)	11.6 (12)
1969	1112 (12)	150.3 (100.0/12)	141.2 (100.0/12)							12.6 (12)	12.3 (12)
1970	921 (12)	116.9 (98.2/11)	102.9 (98.2/11)							12.8 (12)	12.7 (12)
1971	926 (12)	137.0 (73.4/11)	124.7 (73.4/11)							13.7 (12)	12.3 (12)
1972	856 (12)	78.4 (100.0/12)	74.7 (100.0/12)							12.6 (12)	
1973	1011 (12)	62.1 (100.0/12)	62.1 (100.0/12)							13.3 (12)	
1974	936 (12)	55.1 (100.0/12)	52.3 (100.0/12)							12.7 (12)	
1975	1022 (12)	37.6 (100.0/12)	35.0 (100.0/12)							13.0 (12)	13.1 (12)
1976	597 (12)	32.1 (100.0/12)	31.7 (100.0/12)							12.3 (12)	11.2 (12)
1977	1113 (12)	34.6 (100.0/12)	35.8 (100.0/12)							12.1 (12)	13.3 (12)
1978	959 (12)	54.7 (100.0/12)	53.9 (100.0/12)							11.8 (12)	11.8 (12)
1979	749 (12)	23.8 (100.0/11)	23.0 (100.0/11)								
1980	697 (12)	24.4 (100.0/12)	25.1 (100.0/12)							13.6 (12)	12.2 (12)
1981	1049 (11)	33.6 (100.0/11)	31.9 (100.0/11)								
1982	1331 (11)	18.1 (100.0/11)	18.0 (100.0/11)								
1983	1137 (12)	18.9 (100.0/12)	20.7 (100.0/12)							13.3 (12)	
1984	1312 (12)	15.5 (72.4/9)	16.9 (72.4/9)								
1985	1290 (12)	14.5 (93.4/11)	13.3 (93.4/11)								
1986	886 (12)	11.1 (100.0/12)	10.8 (100.0/12)								
1987		12.9 (100.0/12)	12.8 (100.0/12)								
Long Term											
Means 952											12.8 12.1
σ											0.5 0.7

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	45	24										-2.0	3.0	20	4.4	0.9	18
Feb	52	24										-0.3	3.5	21	4.7	1.2	20
Mar	91	24										6.8	2.5	21	6.9	1.4	20
Apr	97	23										13.5	1.7	20	9.9	1.3	19
May	99	24										18.4	2.0	21	14.3	1.6	19
Jun	96	24										23.5	1.2	21	19.0	2.9	19
Jul	92	24										26.1	1.4	21	22.6	1.9	19
Aug	73	24										24.8	1.5	21	21.5	1.7	20
Sep	85	24										20.6	1.6	21	17.7	2.0	18
Oct	67	23										14.1	2.0	20	11.4	1.7	18
Nov	93	24										7.3	1.7	21	8.0	1.3	18
Dec	69	24										0.9	3.3	21	5.1	1.1	18

CORRELATIONS

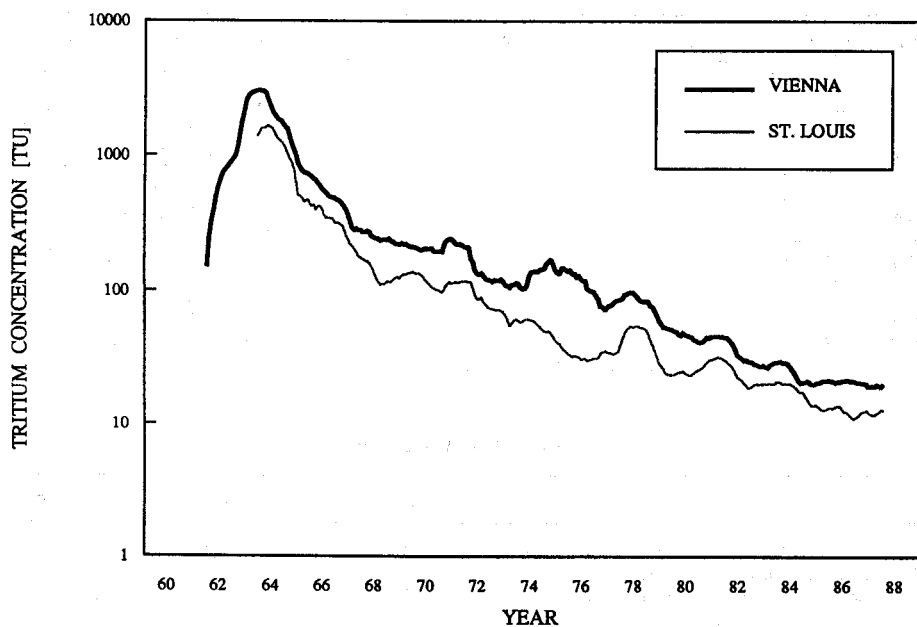
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	279	0.91	0.02	-0.07	0.04	0.873	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	23	1.00	0.04	-0.27	0.10	0.961	0.12

REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
79	/ 9		24.60	2.4	

7243400 ST. LOUIS, MISSOURI, USA

Lat. 38.75N Long. 90.38W Alt. 163 m a.s.l.



7249401 MENLO PARK, CALIFORNIA, USA

Lat. 37.45N Long. 122.13W Alt. 7 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	106 (4)	127.2	86.0 (21.5/4)								
1962	525 (12)	201.4	168.3 (48.1/4)							13.3 (12)	
1963	400 (12)	527.2	737.8 (98.7/9)								
1964	375 (12)	327.7	531.5 (100.0/10)								
1965	384 (12)	160.3	189.2 (100.0/6)								
1966	235 (12)	145.8	175.9 (96.5/7)								
1967	492 (12)	98.3	91.7 (99.7/9)								
1968	345 (12)	53.5	56.8 (99.7/8)								
1969	570 (12)	60.9	62.5 (99.8/9)								
1970	654 (12)	46.8	47.3 (97.5/6)							14.3 (12)	
1971	667 (12)	42.6	52.7 (100.0/12)							13.3 (12)	
1972	439 (12)	28.9	34.8 (100.0/12)							13.6 (12)	11.3 (12)
1973	799 (12)	24.1	28.7 (99.8/9)							13.8 (12)	
1974	403 (12)	30.9	32.5 (98.5/9)							13.6 (12)	
1975	438 (12)	29.4	37.0 (82.1/6)							12.9 (12)	10.2 (12)
1976	255 (12)									13.8 (12)	10.3 (12)
1977	318 (12)	64.2	57.2 (100.0/9)							13.8 (12)	10.6 (12)
1978	648 (12)	116.0	116.0 (73.3/3)							14.1 (12)	11.7 (12)
1979	624 (12)	43.6	43.6 (34.2/3)							14.3 (12)	11.6 (12)
1980	467 (12)	36.2	40.0 (99.3/9)							14.0 (12)	10.9 (12)
1981	580 (6)	23.1	22.8 (100.0/6)								
1982	889 (10)	13.7	14.1 (100.0/11)							13.3 (12)	
1983	973 (12)	9.7	10.0 (100.0/9)							14.8 (12)	
1984	359 (12)	11.3	16.0 (98.8/8)								
1985	321 (12)	9.2	11.6 (100.0/12)								
1986	566 (8)	8.9	15.7 (100.0/12)								
1987		19.7	15.7 (100.0/9)								
Long Term											
Means 492											13.8 10.9
σ											0.5 0.6

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	108	25										9.1	1.2	16	8.9	1.4	11
Feb	87	25										11.0	1.0	16	10.1	0.9	10
Mar	76	25										11.7	1.1	16	9.9	1.3	12
Apr	36	24										12.5	0.8	15	9.9	1.0	9
May	4	24										14.4	0.9	15	10.7	0.8	11
Jun	3	23										15.9	0.9	15	11.8	0.6	11
Jul	2	22										16.9	0.7	15	12.8	0.7	11
Aug	2	22										17.3	0.8	15	13.3	0.8	11
Sep	4	25										17.8	1.1	15	13.0	0.8	10
Oct	34	25										15.9	0.9	16	12.0	1.1	10
Nov	77	26										12.5	0.9	16	10.3	1.0	10
Dec	76	26										9.7	1.2	15	9.3	1.7	11

CORRELATIONS

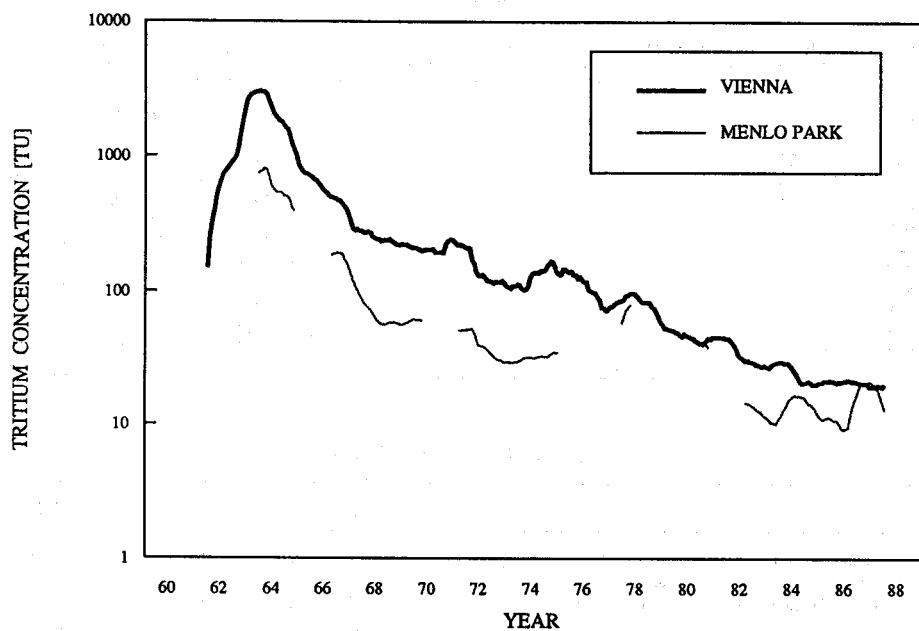
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	203	0.73	0.03	0.17	0.06	0.777	0.24
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	21	0.73	0.06	0.08	0.13	0.887	0.17

REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
70	/ 4			335.00	18.0
70	/ 5			335.00	18.0
70	/ 6			335.00	18.0
77	/ 4			44.00	2.1
77	/ 6			44.00	2.1
77	/ 8			45.60	2.0
82	/ 5			16.30	0.9
83	/ 6			11.10	0.6
83	/ 7			10.10	0.6
83	/ 8			10.10	0.6

7249401 MENLO PARK, CALIFORNIA, USA

Lat. 37.45N Long. 122.13W Alt. 7 m a.s.l.



7250900 BOSTON, MASSACHUSETTS, USA

Lat. 42.37N Long. 71.03W Alt. 5 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1963	886 (12)	1357.2 (100.0/12)	1656.7							10.6 (12)	9.7 (12)
1964	925 (12)	1301.7 (100.0/12)	1353.4							10.1 (12)	9.8 (12)
1965	602 (12)	611.6 (100.0/12)	628.0							9.8 (12)	9.6 (12)
1966	913 (12)	346.5 (100.0/12)	363.4							10.9 (12)	
1967	1210 (12)	236.9 (100.0/12)	233.8							9.8 (12)	
1968	1074 (12)	139.4 (100.0/12)	158.1							10.3 (12)	9.8 (12)
1969	1214 (12)	95.8 (100.0/12)	123.9							10.7 (12)	10.2 (12)
1970	1050 (12)	149.1 (100.0/12)	153.8							10.5 (12)	10.3 (12)
1971	905 (12)	120.9 (100.0/12)	127.1							10.7 (12)	10.1 (12)
1972	1349 (12)	71.0 (100.0/12)	78.1							10.3 (12)	
1973	1088 (12)	58.4 (100.0/12)	55.3							11.7 (12)	
1974	1023 (12)	52.1 (100.0/12)	53.7							10.6 (12)	
1975	1163 (12)	42.7 (100.0/12)	47.8							11.6 (12)	10.4 (12)
1976	932 (12)	39.6 (93.4/11)	39.5							11.3 (12)	10.1 (12)
1977	1121 (12)	40.2 (100.0/12)	44.3							11.4 (12)	10.8 (12)
1978	955 (12)	41.6 (100.0/12)	47.4							10.3 (12)	9.7 (12)
1979	1124 (12)	27.6 (83.1/10)	29.3							11.2 (12)	11.0 (12)
1980	745 (12)	33.6 (100.0/12)	39.0							10.4 (12)	9.4 (12)
1981	917 (12)	33.3 (100.0/12)	40.9							10.9 (12)	
1982	1101 (11)	27.4 (100.0/11)	25.9								
1983	1361 (12)	16.1 (100.0/12)	21.9							11.8 (12)	10.8 (12)
1984	1277 (12)	23.1 (100.0/12)	24.4								
1985	928 (12)	24.8 (95.0/11)	26.4								
1986	1126 (12)	23.9 (39.0/6)	23.7								
Long Term											
Means 1041											10.7 10.1
σ											0.6 0.4

MONTHLY MEANS

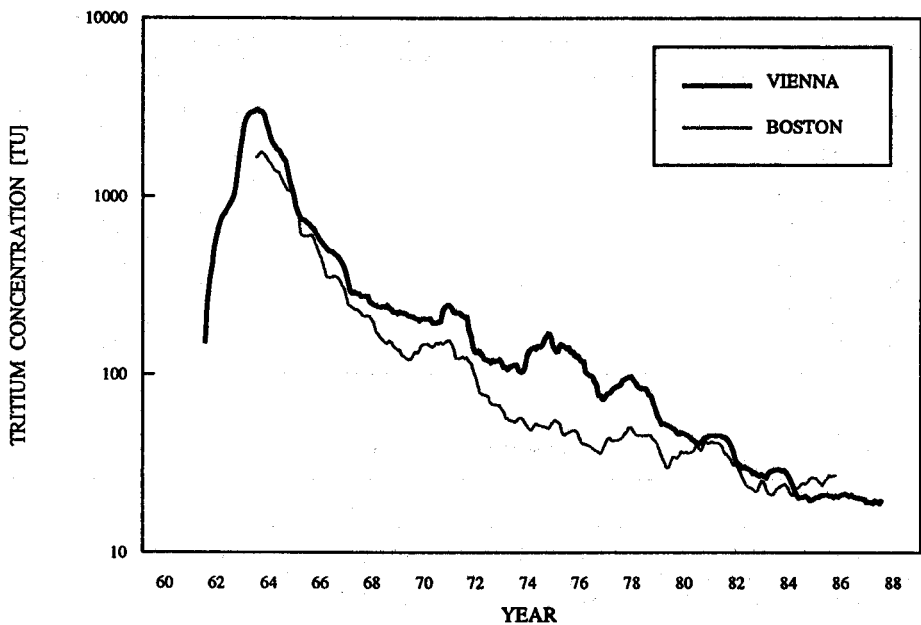
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	93	24										-1.9	2.3	21	3.6	0.8	18
Feb	94	24										-1.2	1.9	21	3.7	0.8	18
Mar	97	24										3.6	1.6	21	5.2	0.7	19
Apr	82	24										9.1	1.5	21	6.9	0.8	19
May	81	24										14.7	1.4	21	10.7	1.1	21
Jun	86	24										20.0	1.3	21	15.8	1.6	18
Jul	67	24										23.3	1.0	21	18.8	1.0	19
Aug	78	24										22.2	1.0	21	18.3	1.4	18
Sep	70	24										18.0	1.2	21	14.8	1.2	20
Oct	75	24										12.4	1.5	21	10.1	1.1	17
Nov	110	24										7.2	1.6	21	7.3	1.2	21
Dec	114	23										0.7	1.9	20	4.6	0.6	18

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	263	0.90	0.02	0.04	0.05	0.861	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	22	0.95	0.06	-0.13	0.13	0.932	0.15

7250900 BOSTON, MASSACHUSETTS, USA

Lat. 42.37N Long. 71.03W Alt. 5 m a.s.l.



7252101 COSHOCTON, OHIO, USA

Lat. 40.37N Long. 81.80W Alt. 344 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1966	824	349.1	368.3	-8.91	-8.81	-58.7	-58.2	12.1	11.7		
	(12)	(100.0/12)		(88.5/11)		(81.6/10)		(81.6/10)			
1967	1043	272.7	254.6	-7.03	-6.99	-44.8	-44.8	11.6	11.2		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1968	1047	165.6	152.3	-7.31	-6.89	-45.0	-42.0	13.5	13.2		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1969	1023	202.1	185.5	-7.51	-8.60	-46.8	-55.4	13.4	13.4		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1970	1066	164.0	154.8	-7.12	-8.20	-45.4	-53.2	11.6	12.5		
	(12)	(96.1/11)		(100.0/12)		(100.0/12)		(100.0/12)			
1971	856	155.3	153.1	-6.53	-6.98	-38.0	-40.9	14.2	15.0		
	(12)	(77.2/9)		(47.3/6)		(47.3/6)		(47.3/6)			
Long Term											
Means 977				-7.49	-7.90	-47.3	-50.7	12.5	12.4		
σ				0.77	0.90	6.1	6.9	0.9	0.9		

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	68	6	-11.75	2.42	6	-80.6	21.0	6	13.3	3.7	6						
Feb	53	6	-11.14	4.14	6	-75.3	30.2	6	13.8	5.5	6						
Mar	86	6	-9.24	2.78	6	-60.2	24.3	6	13.7	2.8	6						
Apr	80	6	-6.00	1.35	6	-37.0	12.6	6	11.0	4.6	6						
May	116	6	-5.61	1.87	6	-34.0	15.5	6	10.9	2.9	6						
Jun	100	6	-4.23	1.51	6	-22.6	13.1	6	11.3	1.6	6						
Jul	128	6	-5.63	1.12	4	-34.8	8.3	4	10.3	2.3	4						
Aug	67	6	-4.52	0.98	5	-28.2	6.5	5	7.9	4.7	5						
Sep	70	6	-6.90	1.77	5	-39.7	7.7	4	10.2	4.1	4						
Oct	42	6	-6.86	1.60	5	-41.4	15.2	5	13.4	4.5	5						
Nov	85	6	-9.67	1.42	5	-55.9	9.6	5	21.5	1.9	5						
Dec	82	6	-11.29	4.00	5	-76.8	31.1	5	13.5	4.5	5						

CORRELATIONS

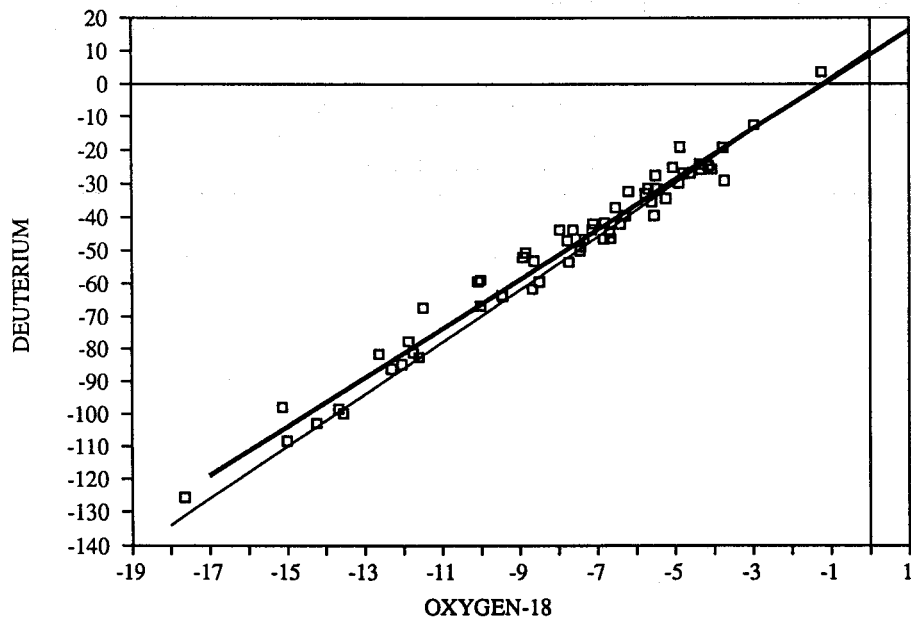
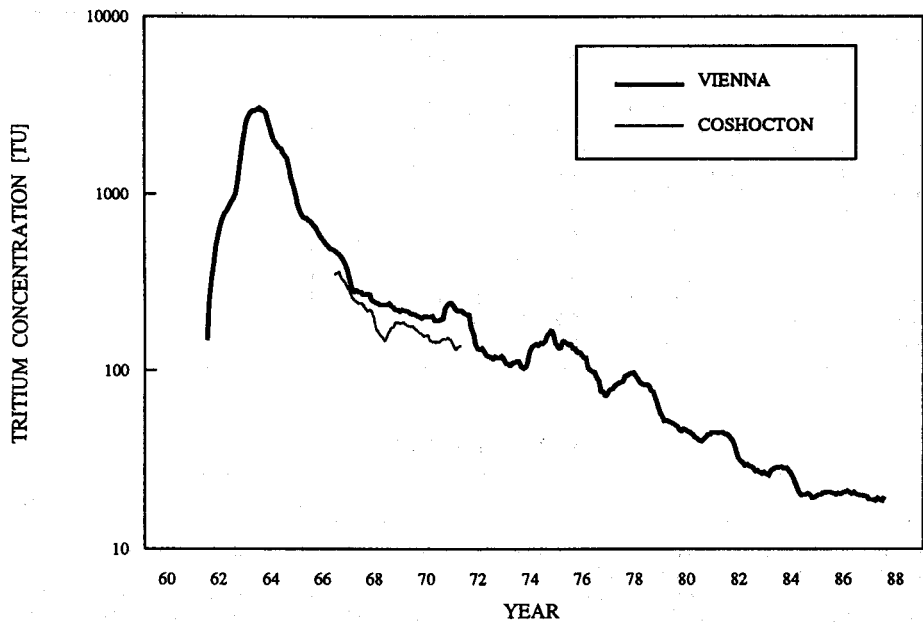
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	68	0.73	0.09	0.52	0.20	0.530	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	6	0.78	0.20	0.43	0.50	0.782	0.07
3) Monthly Deut vs. Monthly Precipitation	64	0.13	0.07	-59.82	6.79	0.046	25.62
4) Monthly Oxyg-18 vs. Monthly Prec	65	0.02	0.01	-9.13	0.88	0.045	3.35
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	64	7.51	0.16	8.81	1.35	0.973	4.32
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	64	7.61	0.16	9.62	1.43	0.973	4.32

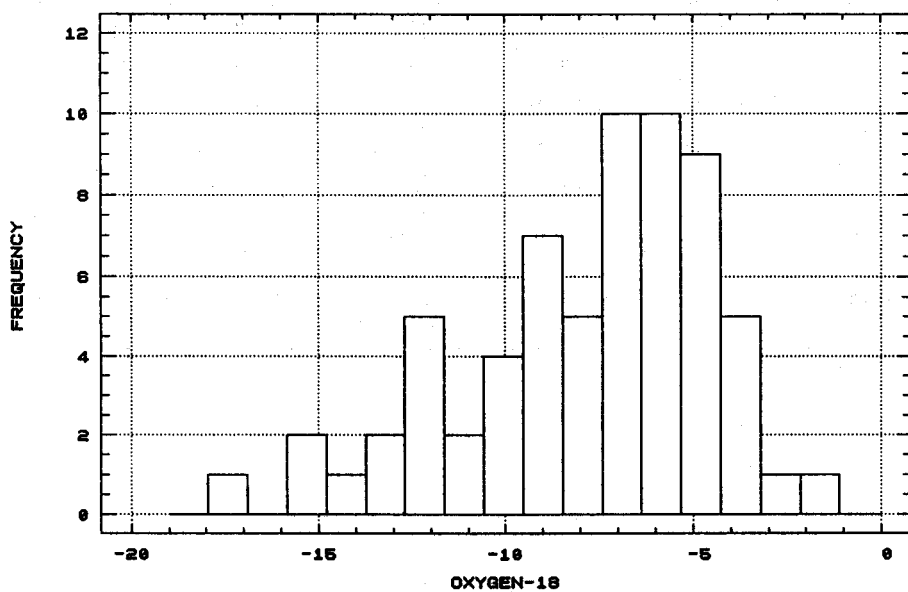
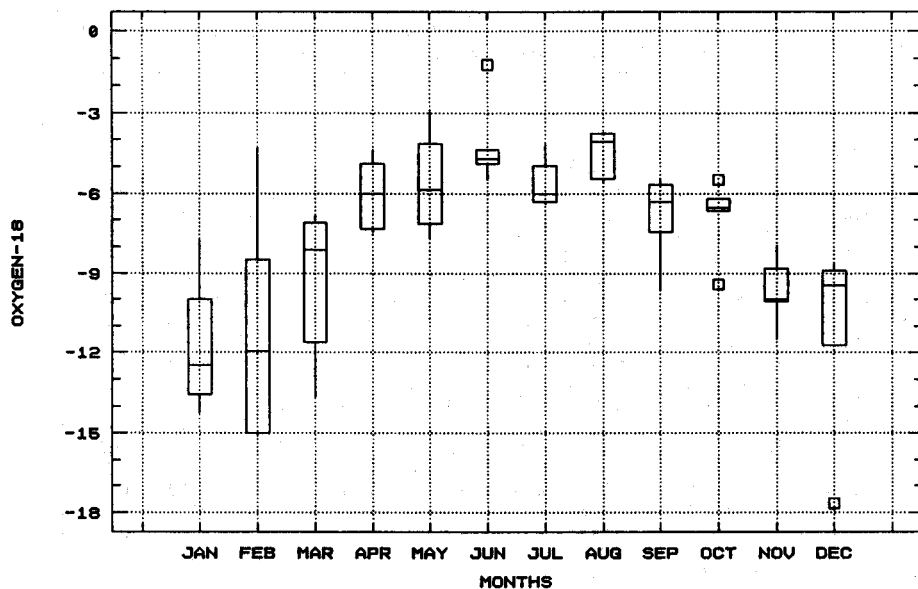
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
66 / 7	-2.45	-59.8		

7252101 COSHOCTON, OHIO, USA

Lat. 40.37N Long. 81.80W Alt. 344 m a.s.l.





7253400 CHICAGO (MIDWAY), ILLINOIS, USA

Lat. 41.78N Long. 87.75W Alt. 189 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1960	710 (12)									10.2 (12)	10.2 (12)
1961	1080 (12)									10.5 (12)	9.9 (12)
1962	566 (12)	1091.2 (93.8/11)	1062.6	-7.46 (100.0/12)	-7.97	-53.0 (100.0/12)	-57.5	6.8 (100.0/12)	6.3	10.1 (12)	9.8 (12)
1963	714 (12)	2729.0 (100.0/12)	2330.8	-4.66 (97.3/11)	-5.99	-33.2 (97.3/11)	-43.7	4.1 (97.3/11)	4.2	10.1 (12)	9.8 (12)
1964	685 (12)	1585.5 (81.6/11)	1515.2	-4.75 (79.8/9)	-5.04	-31.8 (79.8/9)	-34.1	6.2 (79.8/9)	6.2	11.0 (12)	10.0 (12)
1965	1068 (12)	603.9 (100.0/12)	584.8	-6.95 (89.9/11)	-7.21	-43.9 (89.9/11)	-46.0	11.8 (89.9/11)	11.8	10.2 (12)	9.8 (12)
1966	922 (12)	410.1 (100.0/12)	404.6	-6.43 (100.0/12)	-6.60	-39.4 (95.1/11)	-41.7	11.7 (95.1/11)	10.5	10.1 (12)	9.2 (12)
1967	1031 (12)	198.0 (100.0/12)	206.8	-8.59 (72.6/10)	-8.48	-57.8 (72.6/10)	-57.0	11.0 (72.6/10)	10.9	9.7 (12)	9.5 (12)
1968	755 (12)	137.0 (100.0/12)	145.1	-7.36 (94.3/11)	-7.00	-50.4 (94.3/11)	-48.7	8.5 (94.3/11)	7.4	11.2 (12)	10.0 (12)
1969	933 (12)	224.4 (100.0/12)	209.8	-7.78 (78.3/10)	-10.44	-52.6 (78.3/10)	-74.4	9.7 (78.3/10)	9.3	10.1 (12)	9.8 (12)
1970	1171 (12)	157.4 (100.0/12)	154.8	-6.43 (100.0/12)	-8.19	-48.9 (100.0/12)	-62.1	2.6 (100.0/12)	3.5	10.5 (12)	10.1 (12)
1971	751 (12)	131.5 (100.0/12)	155.0	-4.50 (96.2/11)	-5.71					11.1 (12)	10.4 (12)
1972	1045 (12)	94.0 (100.0/12)	96.4	-3.16 (83.4/10)	-4.46	-54.9 (11.4/1)	-54.9	14.8 (11.4/1)	14.8	9.3 (12)	9.9 (12)
1973	965 (12)	80.3 (100.0/12)	76.2	-6.66 (86.7/10)	-6.52	-42.1 (86.7/10)	-42.3	11.3 (86.7/10)	10.0	11.4 (12)	11.0 (12)
1974	955 (12)	81.0 (100.0/12)	76.3	-7.56 (83.1/10)	-7.51	-57.4 (72.7/10)	-54.2	13.1 (66.4/9)	13.5	10.1 (12)	9.6 (12)
1975	1069 (12)	66.9 (100.0/12)	64.9	-4.34 (100.0/12)	-4.72	-33.3 (100.0/12)	-37.0	1.5 (100.0/12)	0.8	10.8 (12)	10.5 (12)
1976	862 (12)	45.3 (100.0/12)	46.0	-6.15 (100.0/12)	-7.91	-43.4 (100.0/12)	-56.0	5.9 (100.0/12)	7.3	9.7 (12)	9.3 (12)
1977	1049 (12)	62.3 (100.0/12)	57.7	-5.58 (100.0/12)	-7.23	-40.3 (100.0/12)	-52.8	4.4 (100.0/12)	5.1	9.9 (12)	10.6 (12)
1978	860 (12)	70.1 (83.1/9)	70.2	-6.38 (72.4/8)	-7.14	-41.8 (68.8/7)	-45.3	7.0 (68.8/7)	6.4	9.0 (12)	10.1 (12)
1979	965 (12)	40.1 (100.0/11)	38.6	-7.28 (86.1/9)	-7.87	-48.3 (86.1/9)	-54.2	10.0 (86.1/9)	8.8	9.0 (12)	10.0 (12)
Long Term Means 908 σ				-6.04 1.40	-6.90 1.51	-43.0 7.4	-50.0 11.0	7.0 3.5	7.0 3.1	10.2 0.6	10.0 0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	51	20	-13.99	4.92	14	-102.6	37.6	13	12.3	4.7	13	-5.8	3.2	20	3.1	0.8	20
Feb	36	20	-11.90	3.81	16	-91.6	24.6	13	10.4	8.1	13	-3.1	2.7	20	3.5	0.8	20
Mar	72	20	-7.86	3.33	17	-55.0	28.0	14	8.3	6.9	14	2.6	2.6	20	5.4	1.0	20
Apr	108	20	-6.67	3.62	16	-39.3	17.0	14	8.3	6.0	14	9.8	1.8	20	7.7	0.8	20
May	78	20	-4.68	3.36	17	-36.2	22.1	15	4.0	10.0	15	15.7	2.3	20	11.1	1.6	20
Jun	101	20	-2.93	3.15	16	-24.2	22.0	13	0.8	6.4	13	21.3	1.4	20	15.7	1.7	20
Jul	102	20	-2.77	2.30	16	-19.9	8.3	14	3.6	10.0	14	23.6	1.1	20	18.8	1.0	20
Aug	87	20	-3.58	2.75	16	-28.6	12.9	14	4.9	8.5	14	22.9	1.1	20	18.6	1.5	20
Sep	94	20	-4.70	2.64	16	-37.8	12.1	14	2.8	12.0	14	19.0	1.4	20	14.7	1.8	20
Oct	55	20	-5.38	2.87	17	-35.2	21.4	16	7.0	5.8	16	12.7	2.1	20	9.7	1.5	20
Nov	55	20	-9.54	4.16	16	-62.1	32.1	15	12.3	7.4	15	5.1	1.7	20	6.5	0.9	20
Dec	68	20	-11.28	3.72	15	-79.9	29.4	15	14.8	6.0	14	-1.9	2.8	20	4.3	0.9	20

CORRELATIONS

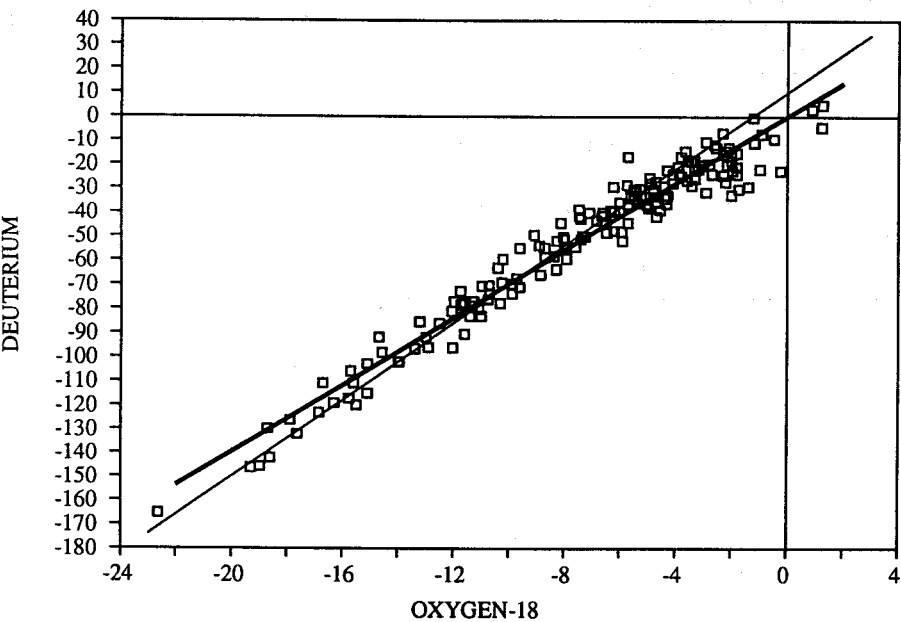
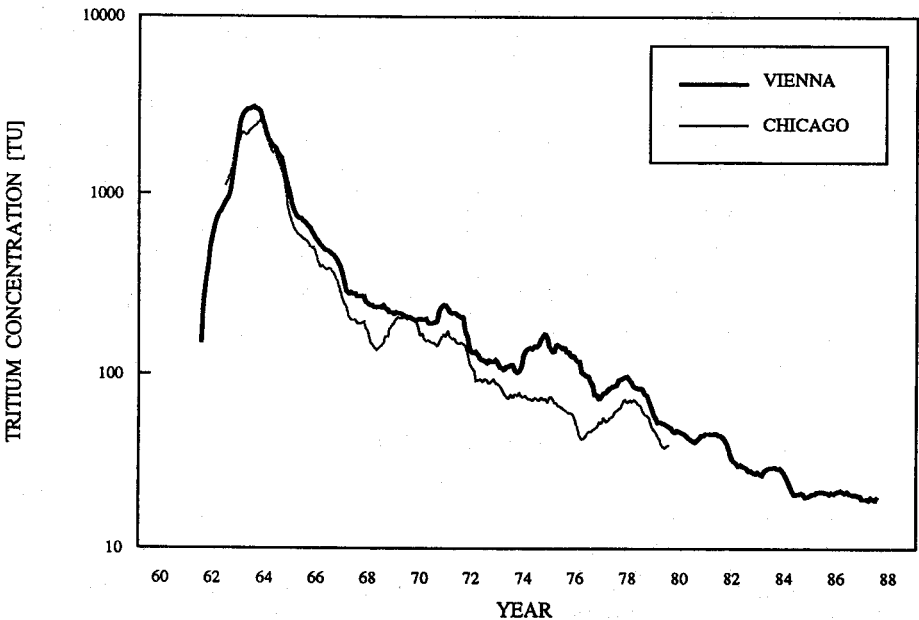
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	203	0.99	0.03	-0.12	0.07	0.834	0.22
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	18	1.11	0.05	-0.42	0.12	0.969	0.10
3) Monthly Deut vs. Monthly Precipitation	170	0.19	0.05	-65.09	4.74	0.073	33.34
4) Monthly Oxyg-18 vs. Monthly Prec	192	0.03	0.01	-9.00	0.63	0.069	4.72
5) Monthly Deut vs. Monthly Temperature	170	2.49	0.17	-76.18	2.49	0.557	23.04
6) Monthly Oxyg-18 vs. Monthly Temp	192	0.35	0.02	-10.68	0.33	0.559	3.25
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	169	6.98	0.12	0.08	1.00	0.956	7.22
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	169	7.14	0.11	1.22	1.14	0.956	7.22

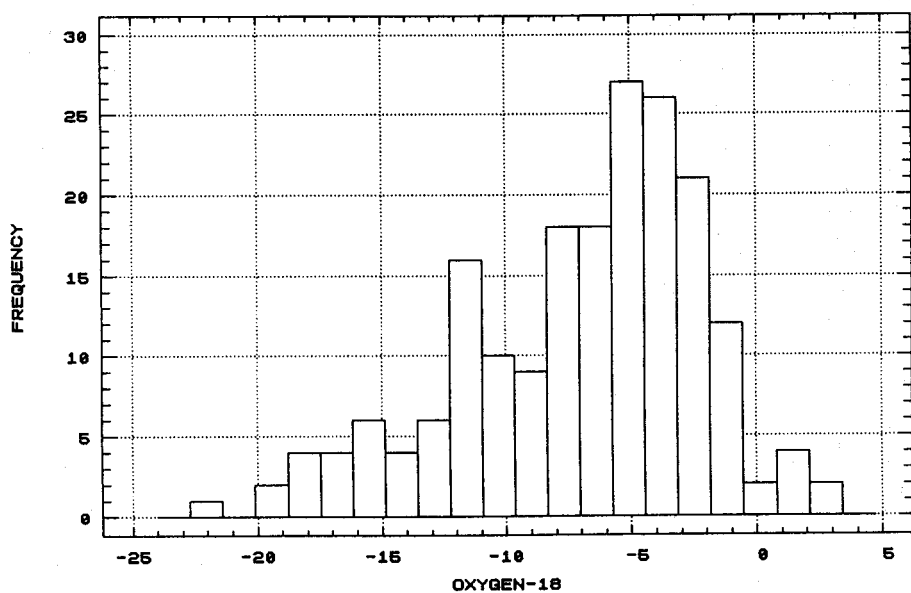
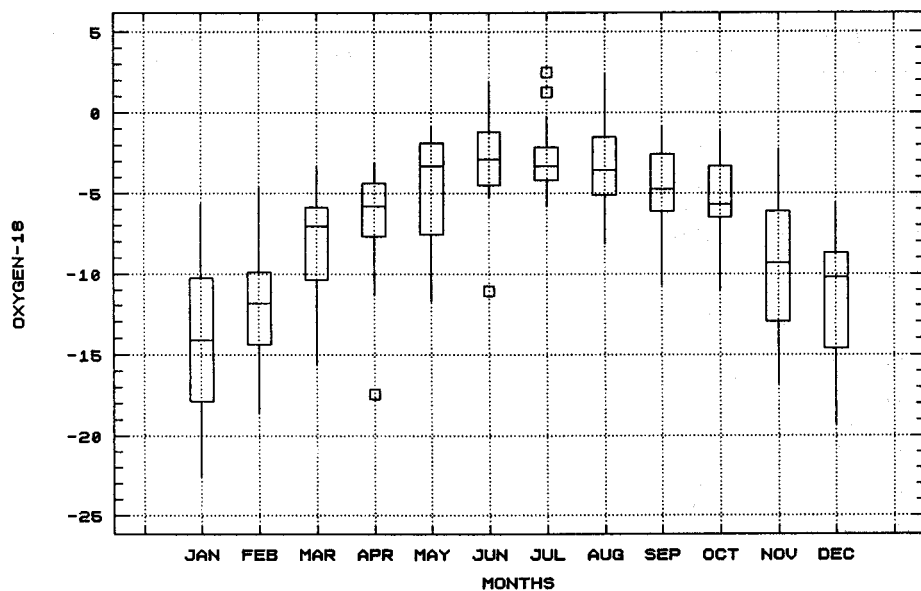
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
74 / 7	4.73	9.3		

7253400 CHICAGO (MIDWAY), ILLINOIS, USA

Lat. 41.78N Long. 87.75W Alt. 189 m a.s.l.





7255100 LINCOLN, NEBRASKA, USA

Lat. 40.82N Long. 96.70W Alt. 351 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp.	Vap. Pr.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1962	712 (12)	747.9 (65.5/6)	686.7							10.8 (12)	
1963	597 (12)	2281.9 (100.0/12)	1870.9								
1964	685 (12)	1746.3 (100.0/12)	1638.4								
1965	1049 (12)	677.2 (100.0/12)	623.0								
1966	501 (12)	483.4 (100.0/12)	477.5								
1967	819 (12)	270.5 (100.0/12)	259.6								
1968	736 (12)	197.5 (100.0/12)	212.5								
1969	678 (12)	211.1 (95.5/11)	190.0								
1970	729 (12)	171.8 (100.0/12)	164.8								
1971	705 (12)	169.9 (100.0/12)	165.5								
1972	757 (12)	81.7 (98.2/11)	79.3							10.4 (12)	
1973	997 (12)	56.3 (100.0/12)	59.5							10.4 (12)	
1974	544 (12)	78.9 (94.8/9)	79.1							10.6 (12)	
1975	516 (12)	55.1 (100.0/11)	52.6							10.1 (12)	
1976	454 (12)	48.9 (99.7/11)	45.6							9.6 (12)	9.4 (12)
1977	858 (12)	50.3 (100.0/12)	48.5							12.2 (12)	11.3 (12)
1978	772 (12)	59.9 (100.0/12)	61.8							8.7 (12)	10.4 (12)
1979	740 (12)	36.0 (100.0/12)	36.8							9.3 (12)	10.4 (12)
1980	550 (12)	31.6 (100.0/12)	33.3							11.0 (12)	10.7 (12)
1981	640 (11)	38.1 (86.8/11)	37.2								
1982	927 (11)	28.9 (100.0/11)	34.2								
1983	724 (11)	19.8 (98.2/11)	18.7								
1984	933 (12)	16.6 (100.0/12)	18.9								
1985	786 (12)	15.9 (100.0/12)	14.0								
1986	1013 (11)	14.1 (30.5/3)	14.4								
Long Term											
Means 737											10.3 10.4
σ											0.9 0.6

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	16	22										-7.1	4.1	11	2.5	1.0	5
Feb	21	25										-3.0	5.0	12	3.6	2.0	5
Mar	51	25										4.0	3.8	12	6.0	2.2	5
Apr	77	25										11.1	3.2	12	10.1	3.6	5
May	102	25										17.2	2.7	12	13.0	3.1	5
Jun	107	25										22.5	1.8	12	18.2	2.3	5
Jul	85	25										25.4	1.9	12	21.6	1.5	5
Aug	84	25										24.2	2.4	12	19.6	2.7	5
Sep	83	25										18.0	2.7	12	14.2	3.1	5
Oct	57	25										11.4	3.0	12	7.7	1.4	5
Nov	35	25										3.1	2.6	12	5.0	1.3	5
Dec	23	24										-4.7	4.1	11	3.2	1.0	5

CORRELATIONS

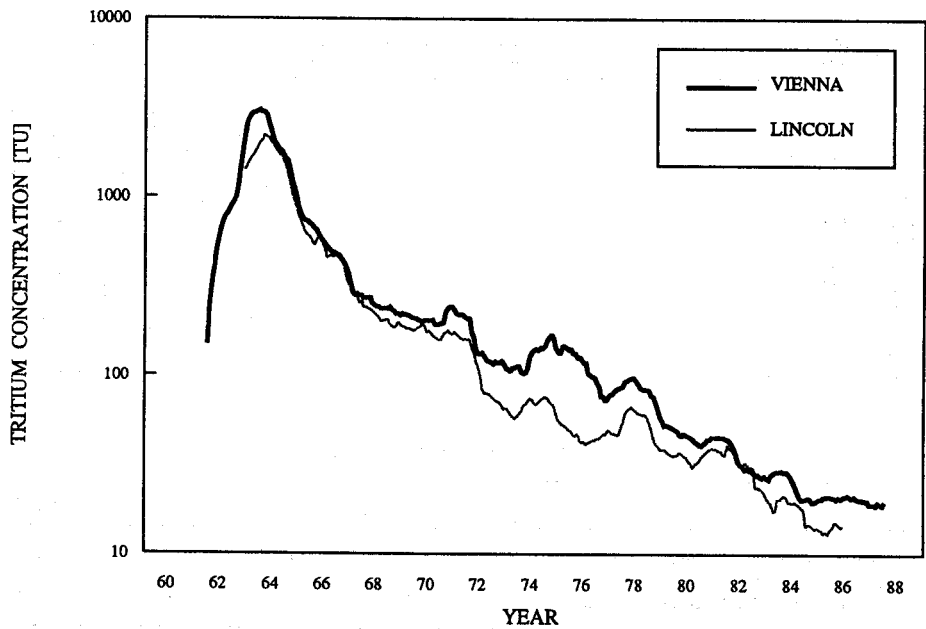
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	261	1.00	0.02	-0.13	0.05	0.875	0.22
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	22	1.04	0.04	-0.24	0.10	0.966	0.11

REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
69 /	5	-11.64	-46.6		

7255100 LINCOLN, NEBRASKA, USA

Lat. 40.82N Long. 96.70W Alt. 351 m a.s.l.



7257200 SALT LAKE CITY, UTAH, USA

Lat. 40.77N Long. 111.97W Alt. 1286 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1963	358	3577.6	3267.3							10.5	6.8
	(12)		(100.0/11)							(12)	(12)
1964	452	2561.9	2228.2							9.1	
	(12)		(98.4/11)							(12)	
1965	468	965.7	913.8							10.3	6.6
	(12)		(100.0/12)							(12)	(12)
1966	228	599.3	565.5							11.3	
	(12)		(100.0/12)							(12)	
1967	421	464.0	419.2							11.1	
	(12)		(100.0/12)							(12)	
1968	537	312.0	301.3							10.6	6.4
	(12)		(100.0/12)							(12)	(12)
1969	408	268.5	284.9							11.1	6.7
	(12)		(100.0/12)							(12)	(12)
1970	507	233.3	230.1							10.9	6.7
	(12)		(85.9/11)							(12)	(12)
1971	477	200.4	215.5							10.3	6.6
	(12)		(100.0/12)							(12)	(12)
1972	402	82.4	96.1							11.3	
	(12)		(99.0/11)							(12)	
1973	517	79.8	85.9							10.8	
	(12)		(100.0/12)							(12)	
1974	369	96.7	106.6							11.6	
	(12)		(97.5/10)							(12)	
1975	455	87.0	71.9							10.4	6.5
	(12)		(100.0/12)							(12)	(12)
1976	312	57.4	53.0							10.9	6.8
	(12)		(85.2/9)							(12)	(12)
1977	448	75.7	61.4							11.8	7.0
	(12)		(99.5/11)							(12)	(12)
1978	461	95.7	99.7							11.8	6.9
	(12)		(86.3/7)							(12)	(12)
1979	220	40.4	40.4							11.5	6.7
	(12)		(9.0/1)							(12)	(12)
1980	437	33.2	31.0							11.6	7.1
	(12)		(95.4/10)							(12)	(12)
1981	370	45.6	47.1								
	(9)		(84.8/9)								
1982	579	21.7	24.0							10.6	
	(12)		(100.0/12)							(12)	
1983	617	18.6	20.3							12.0	8.4
	(12)		(100.0/12)							(12)	(12)
1984	549	22.1	20.7								
	(12)		(64.4/8)								
Long Term											
Means 436											11.0
σ											6.9
											0.6
											0.5

MONTHLY MEANS

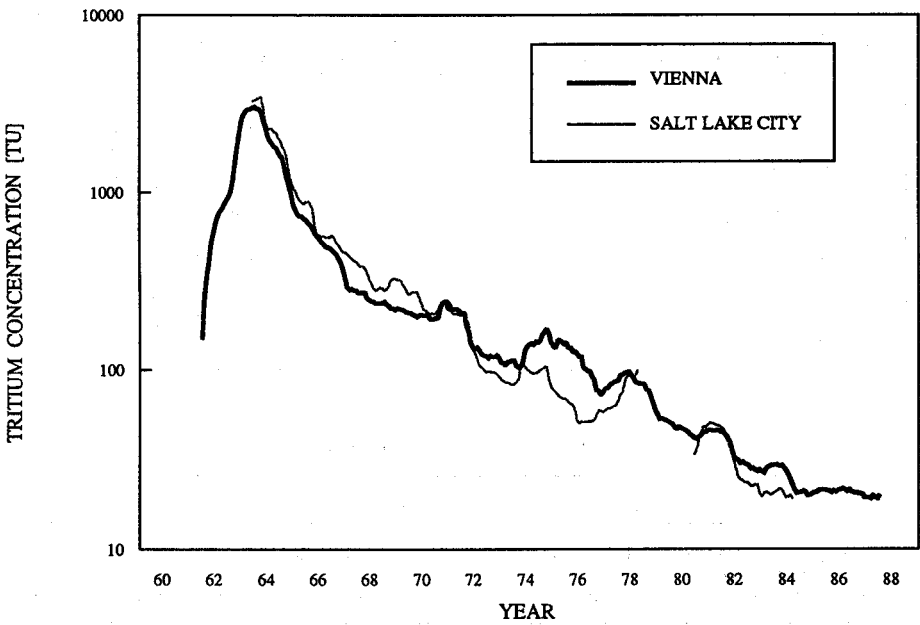
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	32	21										-1.9	2.8	20	4.0	0.9	19
Feb	32	22										1.6	2.2	21	4.6	0.6	21
Mar	49	22										5.3	2.1	21	4.9	0.9	20
Apr	58	22										9.1	1.7	21	5.7	0.8	19
May	43	22										14.5	1.6	21	7.3	0.8	21
Jun	28	21										19.9	1.7	20	8.7	1.0	19
Jul	21	21										25.3	0.7	20	10.1	1.2	20
Aug	24	22										24.0	1.5	21	10.1	1.8	20
Sep	36	22										18.5	2.1	21	8.6	1.4	19
Oct	41	22										11.4	1.7	21	6.8	1.1	21
Nov	33	22										4.9	1.5	21	5.5	0.5	19
Dec	43	22										-0.9	2.2	21	4.3	0.6	20

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	216	1.08	0.03	-0.20	0.06	0.885	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	20	1.14	0.05	-0.36	0.12	0.966	0.12

7257200 SALT LAKE CITY, UTAH, USA

Lat. 40.77N Long. 111.97W Alt. 1286 m a.s.l.



7262800 OTTAWA, ONTARIO, CANADA

Lat. 45.32N Long. 75.67W Alt. 0 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1953	747 (12)	26.4 (42.9/5)	27.4							8.1 (12)	8.8 (12)
1954	1108 (12)	287.7 (92.3/11)	301.9							5.6 (12)	
1955	722 (12)	41.4 (100.0/12)	44.8							6.4 (12)	
1956	800 (12)	183.9 (100.0/12)	145.8							5.3 (12)	
1957	735 (12)	118.1 (100.0/12)	120.5							6.6 (12)	
1958	855 (12)	587.3 (100.0/12)	515.4							5.4 (12)	
1959	894 (12)	451.6 (100.0/12)	540.5							6.1 (12)	
1960	794 (12)	156.3 (100.0/12)	146.8							6.6 (12)	
1961	767 (12)	227.3 (100.0/12)	212.5							6.3 (12)	
1962	840 (12)	992.5 (100.0/12)	983.2							5.2 (12)	
1963	859 (12)	2900.1 (100.0/12)	2940.3							5.2 (12)	
1964	622 (12)	1532.9 (100.0/12)	1560.6							6.1 (12)	
1965	840 (12)	778.2 (100.0/12)	864.5							5.4 (12)	
1966	778 (12)	560.8 (100.0/12)	583.3							5.9 (12)	
1967	984 (12)	324.3 (100.0/12)	311.2			-69.7 (72.4/7)	-73.0			5.2 (12)	
1968	853 (12)	216.9 (100.0/12)	211.4			-78.7 (96.2/11)	-78.1			5.6 (12)	
1969	872 (12)	253.7 (55.8/8)	243.7			-80.6 (49.1/6)	-93.5			5.8 (12)	
1970	876 (12)	190.8 (100.0/12)	204.0	-11.98 (77.8/9)	-12.04					5.2 (12)	8.3 (12)
1971	922 (12)	206.1 (86.5/11)	194.2	-12.70 (86.5/11)	-12.23					5.3 (12)	8.2 (12)
1972	1156 (12)	92.4 (100.0/12)	88.2	-11.71 (100.0/12)	-12.31	-99.3 (10.8/1)	-99.3	18.4 (10.8/1)	18.4	4.8 (12)	7.9 (12)
1973	1041 (12)	90.5 (100.0/12)	92.6	-9.57 (100.0/12)	-9.84	-61.0 (100.0/12)	-63.2	15.6 (100.0/12)	15.5	6.7 (12)	8.9 (12)
1974	843 (12)	98.1 (100.0/12)	101.9	-11.59 (87.9/11)	-10.89	-82.0 (83.0/10)	-78.9	14.0 (83.0/10)	13.3	5.5 (12)	8.0 (12)
1975	894 (12)	75.9 (95.1/11)	77.8	-9.85 (80.0/9)	-9.76	-68.0 (80.0/9)	-67.3	10.9 (80.0/9)	10.9	6.5 (12)	8.2 (12)
1976	848 (12)	59.0 (100.0/12)	58.7	-12.24 (100.0/12)	-12.32	-84.0 (100.0/12)	-84.5	14.0 (100.0/12)	14.2	4.9 (12)	7.8 (12)
1977	1010 (12)	74.0 (100.0/12)	75.1	-11.93 (94.7/11)	-12.44	-85.3 (94.7/11)	-89.0	10.2 (94.7/11)	10.6	5.9 (12)	8.4 (12)
1978	860 (12)	73.6 (99.7/11)	75.0	-10.97 (100.0/12)	-11.13	-72.2 (100.0/12)	-75.7	15.6 (100.0/12)	13.5	5.1 (12)	8.0 (12)
1979	1112 (12)	49.7 (100.0/12)	48.5	-10.71 (100.0/12)	-11.16	-74.3 (100.0/12)	-78.2	11.4 (100.0/12)	11.2	6.0 (12)	8.9 (12)
1980	889 (12)	49.6 (100.0/12)	56.5	-10.56 (100.0/12)	-10.74	-69.6 (100.0/12)	-71.2	14.9 (100.0/12)	14.8	5.2 (12)	8.2 (12)

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1981	1082 (12)	55.1 (100.0/12)	56.4 (100.0/12)	-9.33 (97.5/11)	-9.89 (97.5/11)	-67.2 (97.5/11)	-72.1 (97.5/11)	7.5 (97.5/11)	7.1 (97.5/11)	6.4 (12)	
1982	877 (12)	46.0 (86.4/10)	46.6 (86.4/10)	-10.31 (100.0/12)	-10.00 (100.0/12)	-74.2 (100.0/12)	-73.4 (100.0/12)	8.3 (100.0/12)	6.7 (100.0/12)	5.7 (12)	
1983		51.2 (100.0/12)	48.6 (100.0/12)	-10.53 (100.0/12)	-10.73 (100.0/12)	-73.2 (100.0/12)	-74.6 (100.0/12)	11.1 (100.0/12)	11.4 (100.0/12)		
1984	865 (11)	36.5 (94.7/10)	43.9 (94.7/10)	-10.91 (98.1/11)	-11.36 (98.1/11)	-78.9 (98.1/11)	-83.1 (98.1/11)	8.4 (98.1/11)	7.8 (98.1/11)		
1985	833 (12)	39.0 (57.1/7)	39.2 (57.1/7)	-11.13 (85.2/10)	-11.26 (85.2/10)	-106.2 (32.4/4)	-106.9 (32.4/4)	12.0 (32.4/4)	12.2 (32.4/4)		
1986	1123 (9)	42.1 (100.0/11)	40.5 (100.0/11)	-10.73 (100.0/11)	-12.05 (100.0/11)	-76.3 (100.0/11)	-85.6 (100.0/11)	9.6 (100.0/11)	10.8 (100.0/11)		
1987	915 (11)	37.4 (100.0/12)	39.0 (100.0/12)	-9.98 (100.0/12)	-11.14 (100.0/12)	-72.2 (100.0/12)	-80.7 (100.0/12)	7.7 (100.0/12)	8.4 (100.0/12)		
Long Term Means 881											
				-10.89	-11.18	-74.2	-77.0	11.3	11.2	5.8	8.3
σ				0.95	0.91	6.6	7.0	3.0	2.8	0.7	0.3

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	<i>n</i>		Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	59	33	-17.62	2.30	16	-125.5	19.4	16	14.4	2.9	14	-11.1	2.6	31	2.3	0.6	14
Feb	61	33	-16.10	2.97	17	-118.1	26.9	15	10.7	7.1	14	-9.3	2.7	31	2.6	0.9	14
Mar	66	33	-12.77	3.06	18	-87.2	22.7	17	12.2	3.0	15	-2.7	2.2	31	3.9	0.9	14
Apr	68	34	-9.70	2.68	16	-66.2	18.1	15	8.7	9.2	13	5.6	1.7	31	5.7	1.0	14
May	72	33	-7.87	2.21	17	-54.9	16.7	15	8.9	6.2	13	13.0	1.9	31	9.8	0.9	14
Jun	78	33	-7.89	1.77	17	-49.2	10.6	15	11.1	5.8	12	17.9	1.1	32	13.9	1.2	15
Jul	85	34	-7.64	1.56	17	-52.1	11.0	16	7.4	5.0	14	20.6	1.1	32	15.7	4.0	15
Aug	89	34	-7.64	1.90	16	-51.3	16.0	16	9.8	4.7	14	19.1	1.3	32	14.9	3.8	15
Sep	85	34	-8.32	1.92	18	-60.5	15.4	16	8.1	6.7	14	14.1	1.7	32	11.6	3.0	15
Oct	69	34	-10.81	2.70	18	-75.1	21.1	16	13.0	3.5	14	8.0	1.5	32	8.0	1.1	14
Nov	79	34	-12.45	2.98	16	-83.0	21.3	15	14.3	3.2	13	1.3	1.5	32	5.4	0.7	14
Dec	79	34	-15.84	1.85	16	-112.6	15.2	16	15.6	3.8	14	-7.1	3.5	32	3.2	0.7	14

CORRELATIONS

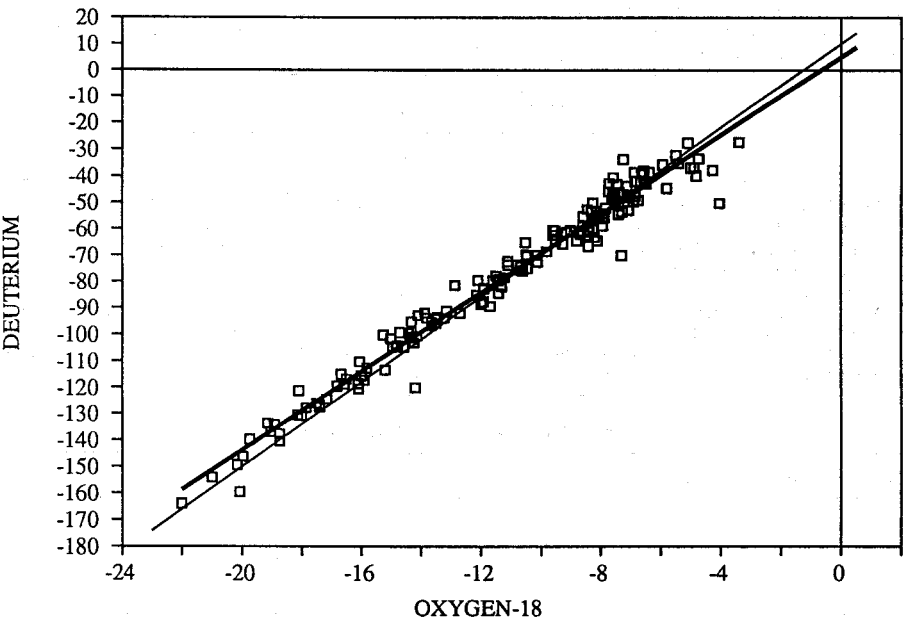
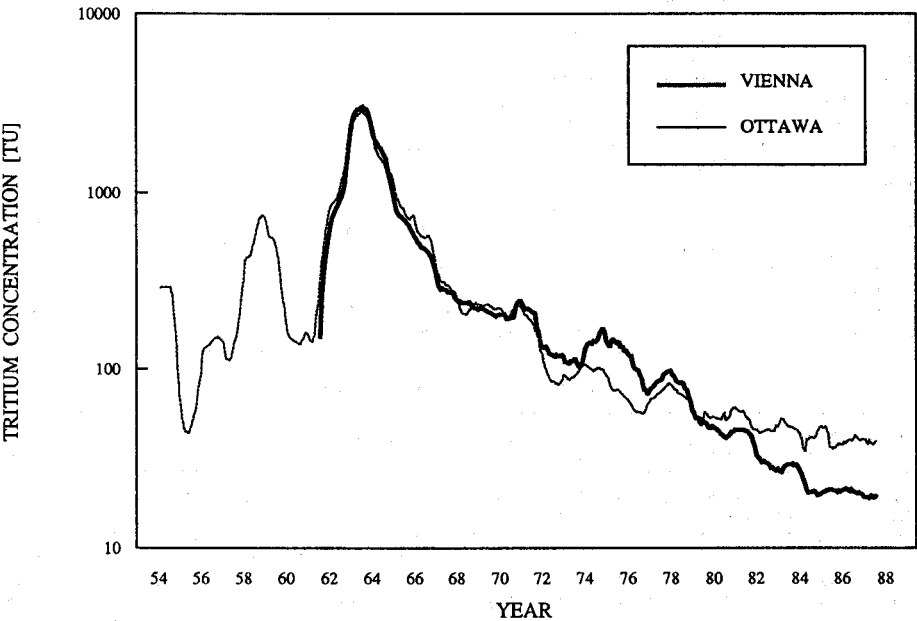
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	292	0.85	0.02	0.35	0.04	0.856	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	24	0.88	0.05	0.26	0.12	0.924	0.15
3) Monthly Deut vs. Monthly Precipitation	188	0.24	0.07	-97.17	5.95	0.060	31.05
4) Monthly Oxyg-18 vs. Monthly Prec	202	0.02	0.01	-12.84	0.75	0.028	4.15
5) Monthly Deut vs. Monthly Temperature	157	2.39	0.14	-91.98	1.74	0.663	18.92
6) Monthly Oxyg-18 vs. Monthly Temp	165	0.32	0.02	-13.06	0.21	0.681	2.42
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	164	7.44	0.10	5.01	1.17	0.973	5.33
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	164	7.55	0.10	6.17	1.23	0.973	5.33

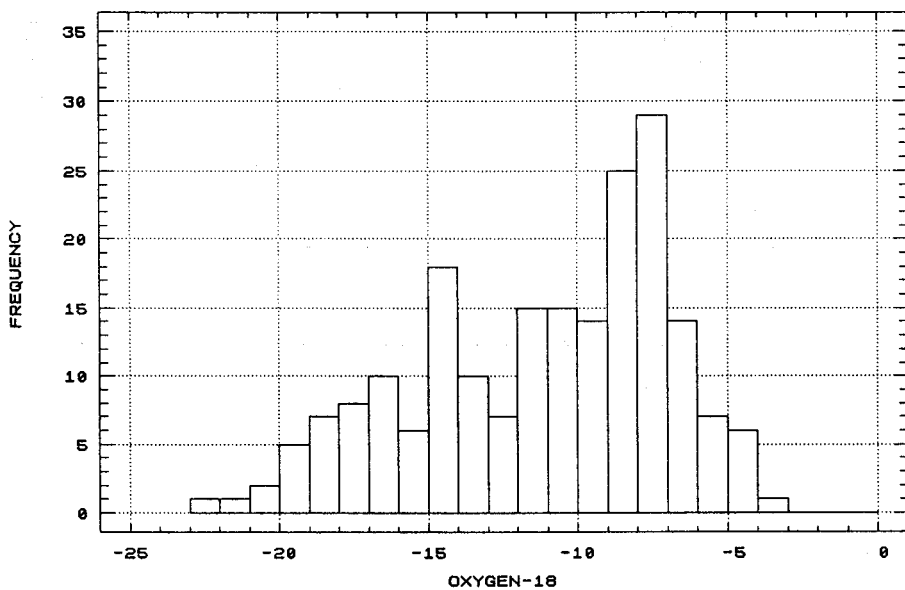
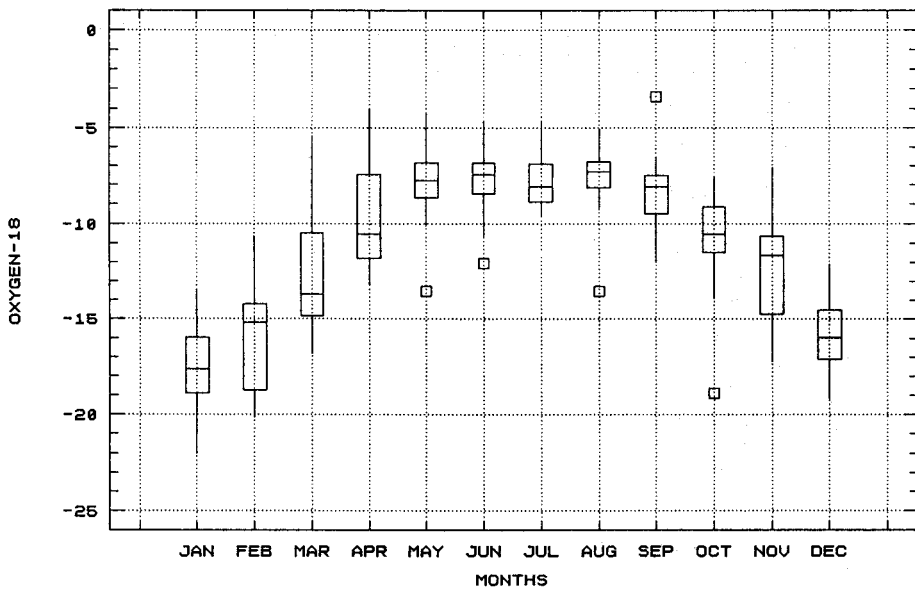
REJECTED VALUES

Year	Month	Oxygen-18	Deuterium	Tritium	Trit Error
68	/ 2		-319.0		
81	/ 1	-20.64	-198.5		
82	/ 2			0.00	
82	/ 8			0.00	

7262800 OTTAWA, ONTARIO, CANADA

Lat. 45.32N Long. 75.67W Alt. 0 m a.s.l.





7264100 MADISON, WISCONSIN, USA

Lat. 43.13N Long. 89.32W Alt. 262 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1963	663 (12)	2524.8	2320.5 (100.0/12)								
1964	601 (12)	1891.3	1647.5 (100.0/12)								
1965	957 (12)	678.1	685.0 (100.0/12)								
1966	670 (12)	436.1	383.0 (100.0/12)								
1967	863 (12)	268.3	261.3 (100.0/12)								
1968	779 (12)	196.1	180.0 (100.0/12)								
1969	894 (12)	249.7	233.2 (100.0/12)								
1970	821 (12)	168.2	164.3 (100.0/12)								
1971	690 (12)	140.8	146.6 (100.0/12)								
1972	788 (12)	87.2	90.0 (100.0/12)							6.2 (12)	
1973	902 (12)	70.5	64.3 (100.0/12)							8.7 (12)	
1974	916 (12)	76.2	72.9 (100.0/12)							7.6 (12)	
1975	875 (12)	67.8	61.3 (100.0/12)							8.3 (12)	
1976	537 (12)	44.0	44.4 (100.0/12)							7.2 (12)	8.0 (12)
1977	827 (12)	58.7	57.2 (100.0/12)							7.6 (12)	9.5 (12)
1978	924 (12)	62.9	65.9 (100.0/12)							6.6 (12)	9.4 (12)
1979	715 (12)	40.1	39.7 (100.0/12)							6.6 (12)	9.3 (12)
1980	873 (12)	32.1	32.7 (100.0/12)							7.0 (12)	9.2 (12)
1981	815 (12)	37.0	36.7 (100.0/12)							8.1 (12)	
1982	94 (3)	29.0	29.0 (12.3/3)								
Long Term											
Means 760											7.4 9.1
σ											0.8 0.6

MONTHLY MEANS

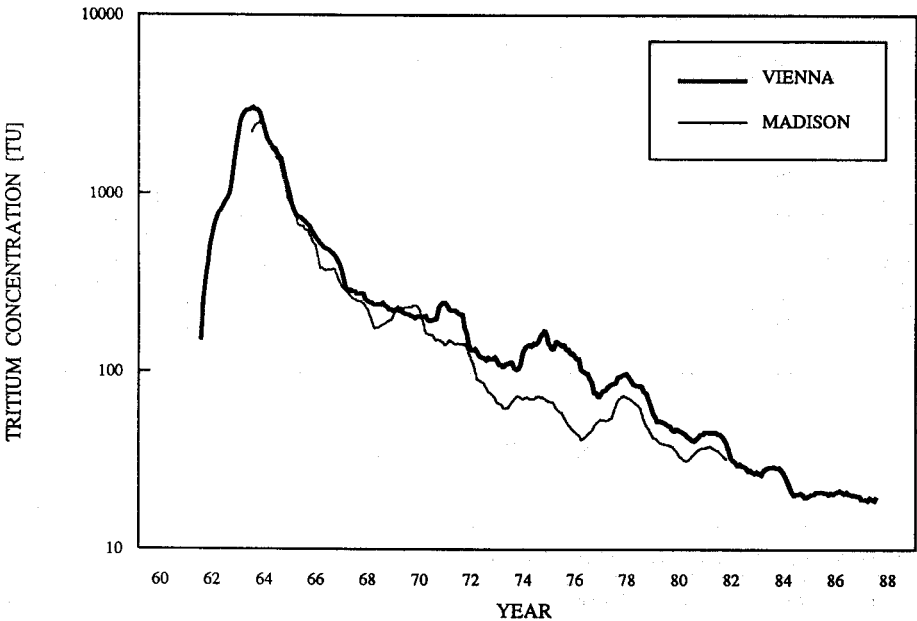
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	30	20										-9.7	3.7	11	1.7	0.5	5
Feb	26	20										-6.9	3.0	11	2.4	0.9	5
Mar	53	20										0.5	2.8	11	4.8	1.1	5
Apr	84	19										7.7	2.1	10	7.4	0.6	5
May	78	19										14.3	2.0	10	10.8	1.6	5
Jun	106	19										19.0	1.1	10	14.6	0.8	5
Jul	89	19										21.9	1.0	10	18.6	1.7	5
Aug	108	19										20.3	1.1	10	18.0	2.3	5
Sep	81	19										15.4	1.1	10	14.0	2.0	5
Oct	56	19										8.8	1.9	10	8.0	1.3	5
Nov	46	19										1.8	2.0	10	4.9	0.8	5
Dec	38	19										-5.6	2.5	10	2.9	0.9	5

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	224	0.95	0.03	-0.01	0.06	0.861	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	19	1.07	0.05	-0.32	0.12	0.964	0.11

7264100 MADISON, WISCONSIN, USA

Lat. 43.13N Long. 89.32W Alt. 262 m a.s.l.



7269800 PORTLAND, OREGON, USA

Lat. 45.60N Long. 122.60W Alt. 6 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp.	Vap. Pr.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1963	856 (12)	1209.5 (100.0/12)	1435.0							11.3 (12)	10.3 (12)
1964	962 (12)	490.2 (100.0/12)	677.5							10.1 (12)	9.4 (12)
1965	794 (12)	288.9 (100.0/11)	412.8							12.1 (12)	
1966	861 (12)	201.3 (100.0/12)	253.8							12.1 (12)	10.5 (12)
1967	743 (12)	122.1 (100.0/10)	143.5							12.4 (12)	
1968	1292 (12)	83.7 (100.0/12)	95.0							11.7 (12)	10.1 (12)
1969	946 (12)	95.5 (99.2/10)	100.0	-7.52 (4.3/1)	-7.52	-53.6 (4.3/1)	-53.6	6.6 (4.3/1)	6.6	11.6 (12)	9.9 (12)
1970	1049 (12)	68.1 (79.2/8)	89.4							12.0 (12)	9.5 (12)
1971	1060 (12)	57.5 (83.0/11)	76.7							11.6 (12)	8.9 (12)
1972	986 (12)	39.7 (63.4/10)	46.8							12.3 (12)	
1973	1059 (12)	32.3 (29.4/6)	34.1							12.4 (12)	
1974	1023 (12)	39.9 (62.2/7)	50.7							12.4 (12)	
1975	1103 (12)	23.5 (55.5/8)	32.8							11.7 (12)	9.8 (12)
1976	680 (12)	21.6 (100.0/12)	23.5							11.6 (12)	10.0 (12)
1977	940 (12)	26.6 (100.0/12)	30.3							11.6 (12)	10.1 (12)
1978	779 (12)	33.5 (88.7/10)	33.3							11.4 (12)	10.4 (12)
1979	908 (12)	18.0 (100.0/12)	21.6							12.6 (12)	10.6 (12)
1980	1079 (12)	14.5 (100.0/12)	16.3							12.0 (12)	10.6 (12)
1981	984 (10)	15.2 (100.0/10)	18.3								
1982	510 (4)	7.5 (55.4/4)	7.6								
1983	1200 (12)	8.3 (100.0/12)	9.9							12.6 (12)	10.7 (12)
1984	952 (12)	7.5 (100.0/11)	8.0								
1985	571 (12)	8.1 (100.0/12)	8.6								
1986	891 (12)	6.9 (83.7/9)	7.3								
1987	762 (12)	6.3 (100.0/12)	8.2								
Long Term											
Means 920											11.9 10.1
σ											0.5 0.5

MONTHLY MEANS

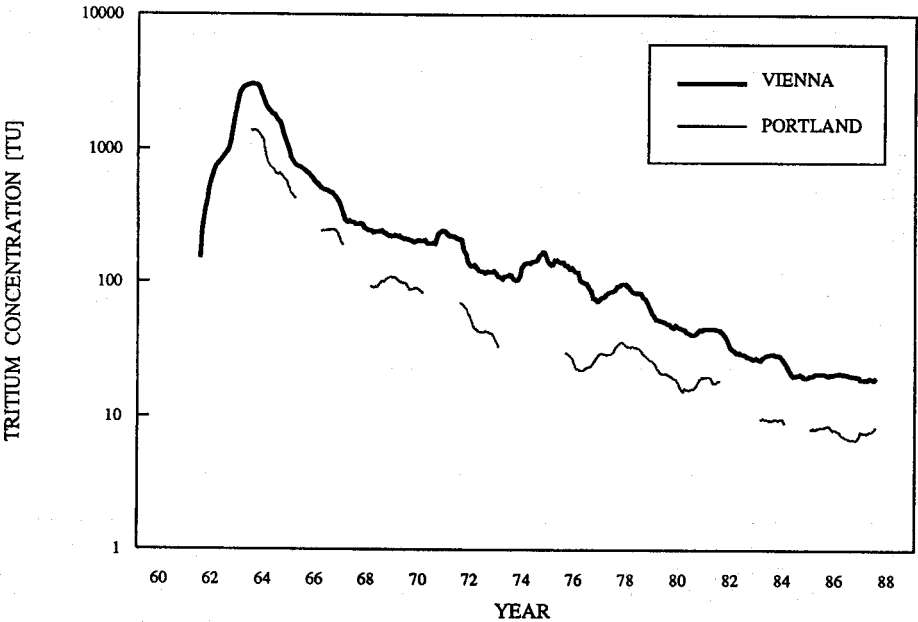
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	140	24										4.0	2.1	20	6.9	1.1	18
Feb	95	24										6.5	1.3	20	7.5	0.6	19
Mar	87	24										8.3	1.2	20	7.9	0.8	18
Apr	56	24										10.2	1.2	20	8.6	0.9	18
May	51	24	-7.52		1	-53.6		1	6.6		1	13.9	1.2	20	10.4	0.8	17
Jun	39	24										17.2	1.2	20	12.1	1.1	19
Jul	17	23										20.0	1.1	19	13.6	0.6	17
Aug	29	23										20.0	1.4	19	13.9	1.0	18
Sep	57	25										17.1	1.4	21	12.7	1.5	19
Oct	69	25										12.2	1.2	21	10.2	2.3	19
Nov	134	25										7.8	1.5	21	8.7	0.9	17
Dec	170	25										4.8	1.7	21	7.5	0.9	19

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	246	1.01	0.02	-0.42	0.04	0.936	0.16
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	19	1.01	0.03	-0.50	0.06	0.987	0.08

7269800 PORTLAND, OREGON, USA

Lat. 45.60N Long. 122.60W Alt. 6 m a.s.l.



7276400 BISMARCK, NORTH DAKOTA, USA

Lat. 46.77N Long. 100.75W Alt. 502 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1963	455 (12)	4434.1 (98.2/10)	3200.0							6.5 (12)	7.8 (12)
1964	393 (12)	2900.7 (100.0/12)	2210.0							5.1 (12)	6.7 (12)
1965	548 (12)	1406.8 (100.0/12)	1164.2							4.2 (12)	
1966	422 (12)	829.8 (100.0/12)	725.5							4.3 (12)	
1967	344 (12)	447.2 (100.0/12)	419.6							4.5 (12)	
1968	484 (12)	399.6 (100.0/12)	502.5							4.7 (12)	7.0 (12)
1969	374 (12)	377.1 (100.0/12)	309.5	-22.20 (8.8/1)	-22.20	-174.5 (8.8/1)	-174.5	3.1 (8.8/1)	3.1	4.9 (12)	7.2 (12)
1970	430 (12)	320.2 (72.7/10)	284.1							4.6 (12)	7.2 (12)
1971	387 (12)	203.1 (72.6/10)	209.4							4.7 (12)	7.4 (12)
1972	385 (12)	146.3 (100.0/12)	127.8							4.4 (12)	
1973	281 (12)	115.4 (99.2/11)	112.1							5.8 (12)	
1974	272 (12)	119.2 (98.8/11)	102.9							4.8 (12)	
1975	546 (12)	91.9 (100.0/12)	80.8							5.1 (12)	7.2 (12)
1976	283 (12)	64.4 (100.0/12)	54.7							6.4 (12)	7.3 (12)
1977	471 (12)	83.0 (100.0/12)	78.8							5.6 (12)	7.1 (12)
1978	431 (12)	104.3 (100.0/12)	86.5							4.3 (12)	7.2 (12)
1979	299 (12)	61.2 (99.6/11)	51.3							3.5 (12)	6.7 (12)
1980	415 (12)	45.5 (100.0/12)	42.2							6.3 (12)	6.9 (12)
1981	365 (11)	53.0 (91.7/11)	48.9								
1982	457 (12)	34.4 (100.0/12)	31.4							3.9 (12)	
1983	334 (12)	27.0 (100.0/12)	24.2							6.0 (12)	7.4 (12)
1984	377 (12)	28.6 (43.5/4)	26.5								
Long Term											
Means 398											5.0 7.2
σ											0.8 0.3

MONTHLY MEANS

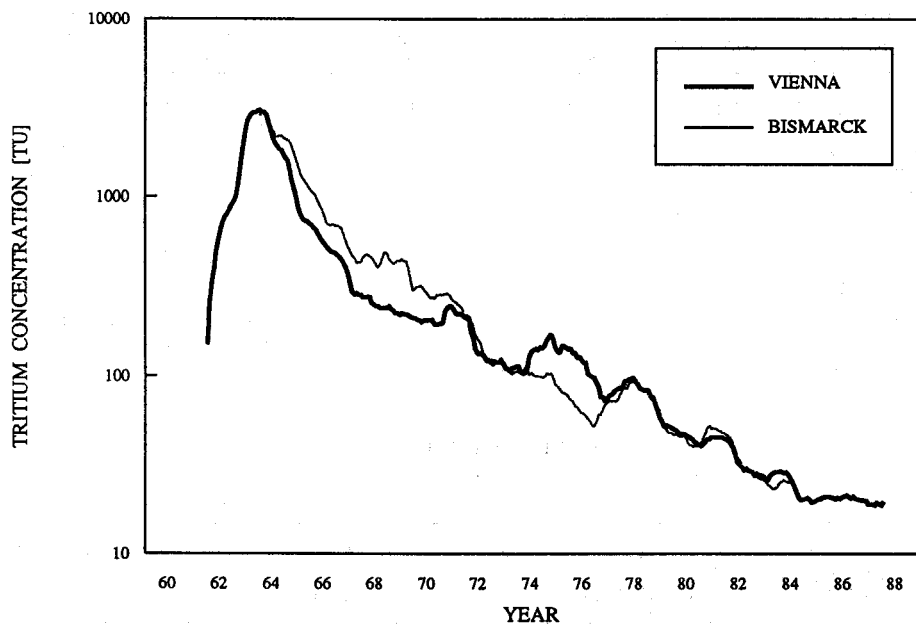
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	12	22	-22.20		1	-174.5		1	3.1		1	-14.2	4.4	21	2.3	1.7	19
Feb	11	22										-9.4	3.9	21	2.6	0.9	20
Mar	22	21										-2.8	3.4	20	3.7	0.8	19
Apr	46	22										5.7	2.2	21	5.6	0.7	20
May	50	22										12.4	1.8	21	8.2	1.2	19
Jun	71	22										17.6	1.4	21	12.7	1.5	20
Jul	54	22										21.3	1.1	21	14.7	1.5	20
Aug	41	22										20.1	2.0	21	13.2	1.5	20
Sep	37	22										14.0	2.0	21	9.4	1.2	20
Oct	28	22										7.6	1.7	21	6.5	1.0	19
Nov	12	22										-1.9	2.4	21	4.0	0.6	18
Dec	14	22										-10.2	3.5	21	2.4	0.8	18

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	235	1.05	0.02	-0.07	0.05	0.888	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	19	1.12	0.05	-0.21	0.11	0.970	0.12

7276400 BISMARCK, NORTH DAKOTA, USA

Lat. 46.77N Long. 100.75W Alt. 502 m a.s.l.



7286500 WYNYARD, SASKATCHEWAN, CANADA

Lat. 51.77N Long. 104.20W Alt. 561 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1975	126	116.0	92.8	-15.99	-20.22	-122.3	-155.2	5.7	6.6		
	(5)		(35.6/5)		(35.6/5)		(35.6/5)		(35.6/5)		
1976	373	101.9	80.5	-15.86	-17.76	-119.7	-141.7	7.3	6.7	8.3	
	(12)		(100.0/12)		(100.0/12)		(97.8/9)		(97.8/9)	(12)	
1977	486	92.8	80.4	-12.80	-17.88	-95.6	-135.3	9.4	3.7	2.2	
	(12)		(97.7/11)		(89.7/10)		(92.7/10)		(88.0/9)	(12)	
1978	470	117.3	101.4	-14.86	-17.31	-113.5	-134.3	5.5	4.3	0.6	
	(12)		(96.8/11)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	
1979	345	50.6	47.9	-17.69	-17.85	-147.9	-150.1	7.3	7.5	0.4	
	(12)		(100.0/12)		(77.9/9)		(100.0/12)		(77.9/9)	(12)	
1980	365	65.5	62.0	-16.98	-17.87	-128.5	-136.0	7.4	7.0	2.5	
	(12)		(75.6/9)		(96.4/11)		(96.4/11)		(96.4/11)	(12)	
1981	540	85.7	75.0	-16.16	-18.38	-119.7	-137.6	9.7	9.5	4.2	
	(12)		(74.0/7)		(100.0/12)		(100.0/12)		(100.0/12)	(12)	
1982	237	51.7	52.5	-15.93	-20.89	-121.3	-152.4	2.9	6.5		
	(4)		(10.0/2)		(43.8/6)		(42.1/5)		(42.1/5)		
Long Term											
Means 354				-15.55	-17.84	-119.3	-139.2	7.9	6.4	3.0	
σ				1.74	0.34	17.3	5.9	1.6	2.1	2.9	

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	14	7	-28.55	4.33	6	-219.3	27.7	7	6.2	13.5	6	-18.2	6.2	7			
Feb	16	7	-23.83	4.19	6	-179.6	37.8	5	6.1	3.2	4	-13.2	6.4	7			
Mar	24	6	-22.46	3.16	5	-166.7	19.3	6	11.9	5.1	5	-5.9	3.6	6			
Apr	18	6	-16.92	2.03	6	-126.2	15.5	6	9.2	5.1	6	5.3	5.0	6			
May	59	7	-11.85	4.68	6	-87.2	35.3	6	7.6	10.1	6	12.7	3.9	7			
Jun	65	7	-13.24	3.11	7	-102.0	21.6	7	3.9	7.1	7	11.1	11.6	7			
Jul	72	6	-12.84	2.71	7	-101.4	19.5	7	1.3	5.5	7	18.9	2.4	7			
Aug	51	7	-12.91	2.41	7	-99.6	21.2	7	3.7	7.6	7	17.6	3.8	7			
Sep	37	7	-13.76	2.72	7	-107.7	15.8	6	7.3	5.4	6	13.5	3.5	7			
Oct	30	7	-17.97	2.56	7	-139.5	20.2	6	8.0	5.2	6	6.1	2.2	7			
Nov	13	7	-22.08	4.98	6	-175.2	34.9	6	6.2	8.7	5	-3.1	3.9	7			
Dec	21	7	-25.26	2.02	7	-193.9	17.1	7	8.2	3.7	7	-12.8	4.4	7			

CORRELATIONS

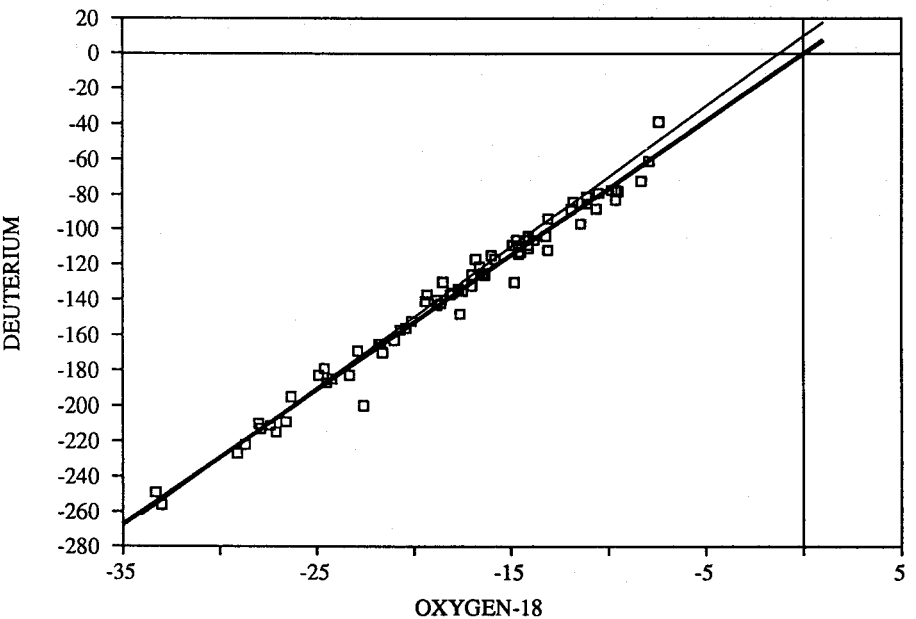
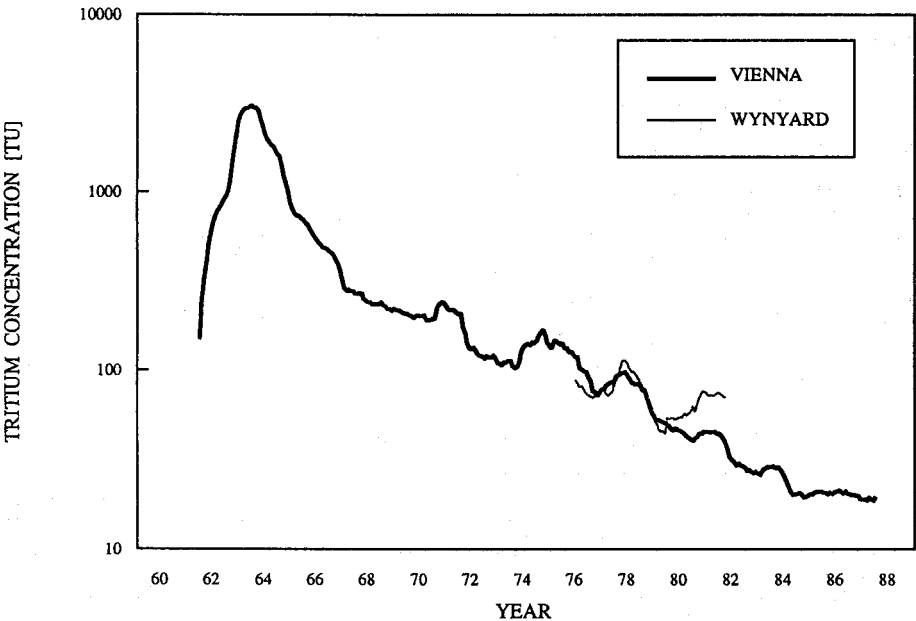
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	68	0.76	0.14	0.42	0.26	0.296	0.30
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	5	0.71	0.29	0.59	0.54	0.668	0.10
3) Monthly Deut vs. Monthly Precipitation	76	0.75	0.15	-168.79	7.32	0.256	42.28
4) Monthly Oxyg-18 vs. Monthly Prec	77	0.08	0.02	-21.22	0.95	0.200	5.69
5) Monthly Deut vs. Monthly Temperature	74	2.94	0.24	-148.50	3.30	0.682	27.79
6) Monthly Oxyg-18 vs. Monthly Temp	75	0.39	0.03	-19.51	0.45	0.653	3.76
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	72	7.63	0.13	-0.33	2.48	0.980	6.83
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	72	7.70	0.13	1.06	2.57	0.980	6.83

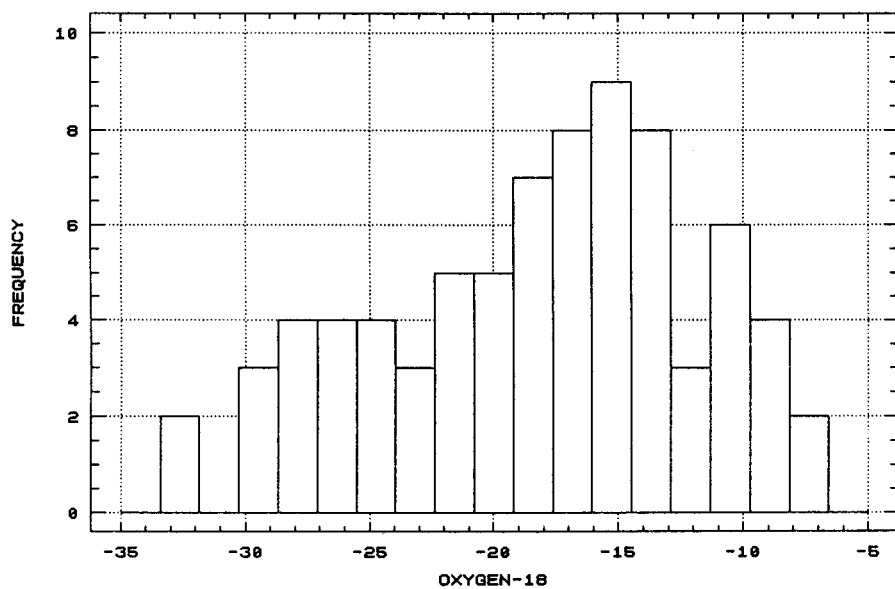
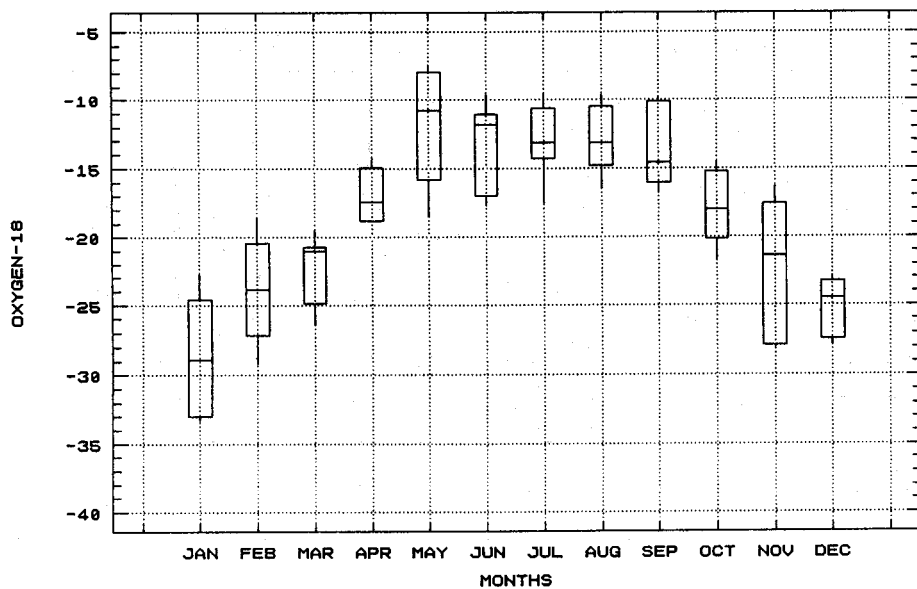
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
77	/ 3	-19.10	-191.0		

7286500 WYNYARD, SASKATCHEWAN, CANADA

Lat. 51.77N Long. 104.20W Alt. 561 m a.s.l.





7286700 THE PAS, MANITOBA, CANADA

Lat. 53.97N Long. 101.10W Alt. 272 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1975	255 (5)	158.1 (67.3/5)	121.6 (67.3/5)	-15.82 (67.3/5)	-18.40 (67.3/5)	-120.8 (67.3/5)	-141.2 (67.3/5)	5.8 (67.3/5)	6.0 (67.3/5)		
1976	471 (12)	108.6 (100.0/12)	88.9 (100.0/12)	-14.00 (97.4/11)	-18.88 (97.4/11)	-106.0 (96.3/10)	-136.3 (96.3/10)	4.7 (96.3/10)	5.8 (96.3/10)	6.2 (12)	
1977	524 (12)	108.1 (78.4/11)	90.5 (78.4/11)	-16.66 (72.3/10)	-18.31 (72.3/10)	-130.8 (72.3/10)	-141.0 (72.3/10)	2.5 (72.3/10)	5.5 (72.3/10)	0.9 (12)	
1978	424 (12)	119.0 (100.0/12)	113.1 (100.0/12)	-16.68 (100.0/12)	-18.87 (100.0/12)	-127.6 (100.0/12)	-143.8 (100.0/12)	5.9 (100.0/12)	7.2 (100.0/12)	-0.7 (12)	
1979	426 (12)	71.7 (79.3/11)	58.9 (79.3/11)	-17.72 (79.3/11)	-21.53 (79.3/11)	-131.5 (77.2/10)	-158.5 (77.2/10)	8.0 (77.2/10)	8.5 (77.2/10)	-1.2 (12)	
1980	292 (10)	56.3 (77.0/10)	49.9 (77.0/10)	-17.78 (77.0/10)	-18.59 (77.0/10)	-132.3 (77.0/10)	-139.1 (77.0/10)	10.0 (77.0/10)	9.7 (77.0/10)		
1981	527 (12)			-18.46 (35.8/8)	-18.83 (35.8/8)	-136.3 (35.8/8)	-139.5 (35.8/8)	11.5 (35.8/8)	11.1 (35.8/8)	1.9 (12)	
1982	157 (5)	49.0 (4.2/1)	49.0 (4.2/1)	-17.95 (39.1/6)	-19.10 (39.1/6)	-145.1 (32.3/5)	-154.4 (32.3/5)	8.4 (32.3/5)	9.6 (32.3/5)		
Long Term Means 379				-16.31	-19.47	-122.8	-144.5	6.8	7.8	1.5	
σ				1.79	1.38	12.5	9.8	2.4	1.6	2.9	

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	11	7	-26.00	3.01	6	-199.5	24.1	6	8.5	3.0	6	-21.0	5.2	7			
Feb	13	7	-26.31	4.94	7	-203.9	37.4	7	6.7	4.5	7	-15.8	5.1	7			
Mar	21	5	-23.20	3.95	6	-163.6	20.1	5	11.1	3.4	5	-7.5	3.6	5			
Apr	24	6	-17.47	4.62	7	-128.3	34.4	7	11.5	4.7	7	2.8	5.2	6			
May	25	7	-12.57	1.50	6	-95.4	14.0	5	5.9	3.6	5	11.1	4.0	7			
Jun	61	7	-13.07	1.97	7	-101.6	12.2	7	3.0	4.5	7	14.9	2.6	7			
Jul	83	6	-12.72	1.21	4	-97.5	7.3	4	4.3	2.4	4	18.8	2.6	6			
Aug	66	7	-14.42	1.37	5	-112.8	10.9	5	2.6	9.1	5	16.8	3.7	7			
Sep	58	7	-14.72	2.31	5	-111.0	15.8	5	6.8	5.5	5	11.6	3.0	7			
Oct	52	7	-16.57	1.82	6	-125.8	11.6	6	6.7	5.8	6	4.7	2.1	7			
Nov	20	7	-21.41	1.94	7	-159.3	16.4	7	12.0	5.5	7	-4.7	3.1	7			
Dec	22	7	-26.07	2.71	7	-193.5	22.8	6	12.4	2.5	6	-16.5	3.9	7			

CORRELATIONS

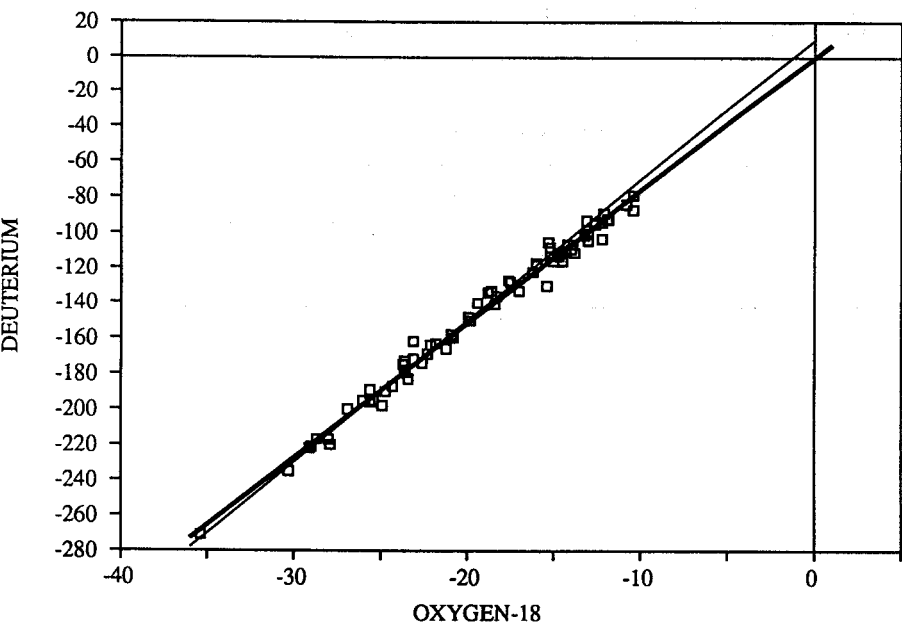
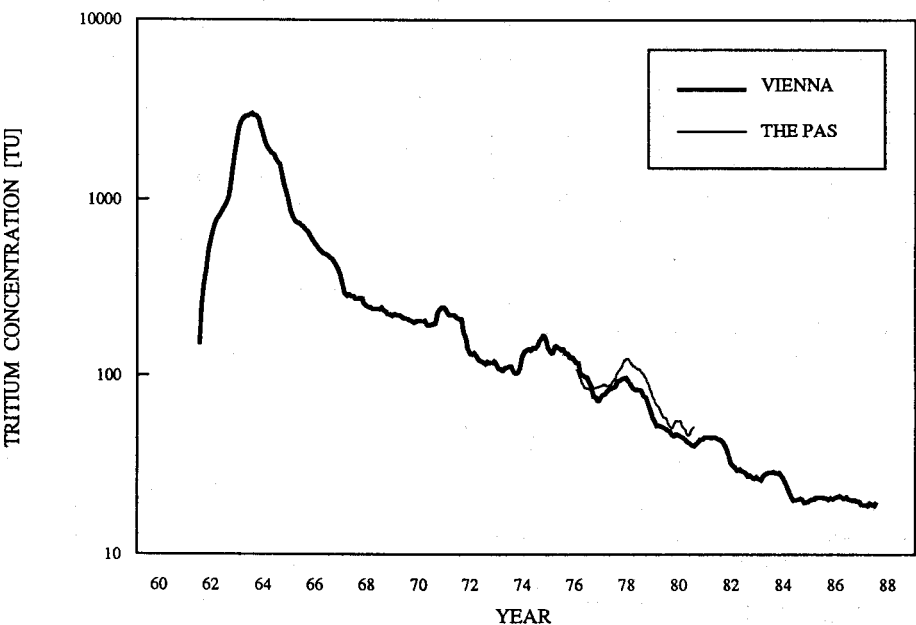
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	62	0.83	0.11	0.35	0.19	0.505	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	5	0.81	0.07	0.45	0.14	0.975	0.03
3) Monthly Deut vs. Monthly Precipitation	70	0.63	0.15	-165.92	7.16	0.202	40.04
4) Monthly Oxyg-18 vs. Monthly Prec	73	0.09	0.02	-22.21	0.93	0.220	5.35
5) Monthly Deut vs. Monthly Temperature	68	2.93	0.16	-143.59	2.26	0.828	18.61
6) Monthly Oxyg-18 vs. Monthly Temp	71	0.40	0.02	-19.06	0.31	0.813	2.62
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	70	7.57	0.10	-0.43	2.02	0.988	4.94
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	70	7.61	0.10	0.45	2.07	0.988	4.94

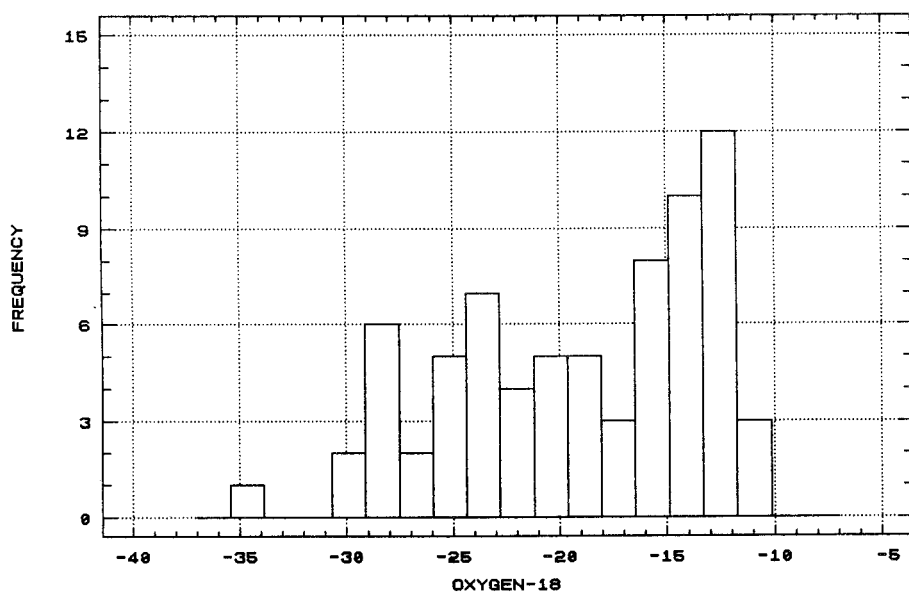
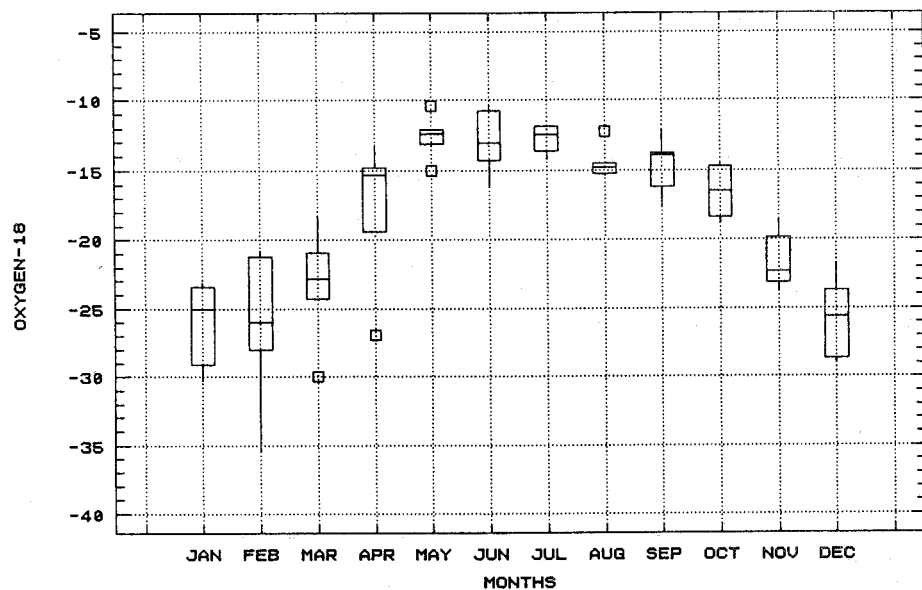
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
76	/ 8	-4.30	-58.0		
77	/ 5	-5.50	-39.0		

7286700 THE PAS, MANITOBA, CANADA

Lat. 53.97N Long. 101.10W Alt. 272 m a.s.l.





7296400 WHITEHORSE, YUKON, CANADA

Lat. 60.72N Long. 135.07W Alt. 702 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1960	230 (11)										
1961	305 (12)	224.3 (77.0/8)	229.0	-21.93 (77.0/8)	-22.28	-168.6 (77.0/8)	-169.8	6.9 (77.0/8)	8.5	-1.8 (12)	4.5 (12)
1962	322 (12)	1239.2 (100.0/12)	1237.5	-20.78 (100.0/12)	-20.82	-160.1 (100.0/12)	-162.5	6.2 (100.0/12)	4.2	-0.5 (12)	4.8 (12)
1963	269 (12)	3946.7 (100.0/12)	4496.9	-21.60 (100.0/12)	-20.89	-163.8 (100.0/12)	-162.0	9.0 (100.0/12)	5.2	-0.2 (12)	4.8 (12)
1964	290 (12)	2405.4 (96.5/11)	2199.8	-19.73 (100.0/12)	-19.45	-157.9 (100.0/12)	-156.0	-0.1 (100.0/12)	-0.4	-1.7 (12)	4.7 (12)
1965	199 (12)	735.8 (95.4/10)	930.6	-18.20 (64.8/9)	-17.53	-139.7 (64.8/9)	-136.8	6.0 (64.8/9)	3.5	-1.3 (12)	4.6 (12)
1966	283 (12)	741.0 (95.4/11)	688.3	-24.40 (3.5/1)	-24.40	-206.5 (3.5/1)	-206.5	-11.4 (3.5/1)	-11.4	-2.8 (12)	
1967	244 (12)	331.2 (100.0/12)	307.7							-1.1 (12)	4.7 (12)
1968	299 (12)	232.3 (100.0/12)	228.0							-1.7 (12)	4.8 (12)
1969	250 (12)	359.7 (23.1/6)	324.0							1.7 (12)	4.8 (12)
Long Term											
Means 269											
σ											
				-20.95	-20.86	-162.2	-162.6	5.4	4.4	-1.1	4.7
				0.99	1.15	4.7	5.6	3.9	3.6	1.2	0.1

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	20	10	-23.70	2.89	5	-183.7	24.8	5	5.9	10.5	5	-19.9	6.9	10	1.1	0.4	9
Feb	16	10	-19.27	6.38	4	-161.2	34.9	4	-7.0	16.4	4	-12.0	3.5	10	1.8	0.5	10
Mar	17	10	-20.27	5.75	4	-164.1	32.0	4	-1.9	15.3	4	-8.6	3.8	10	2.2	0.7	10
Apr	10	9	-18.10	6.17	4	-156.0	40.8	4	-11.2	9.9	4	-0.2	1.2	9	3.8	0.6	9
May	13	10	-17.72	7.04	5	-139.8	36.1	5	1.9	22.4	5	6.5	1.3	10	4.9	0.3	10
Jun	33	10	-19.14	2.07	5	-150.8	9.6	5	2.3	9.7	5	12.0	1.9	10	7.5	0.7	10
Jul	32	10	-16.70	1.54	5	-132.0	23.0	5	1.6	12.1	5	14.0	1.0	10	9.5	0.5	10
Aug	37	10	-18.22	2.67	5	-141.5	18.7	5	4.2	4.3	5	12.3	1.6	10	9.0	0.7	10
Sep	33	10	-19.94	4.12	5	-150.3	30.9	5	9.2	5.6	5	7.6	1.1	10	7.4	0.7	10
Oct	21	10	-22.70	3.16	4	-163.9	21.3	4	17.7	5.2	4	0.4	2.9	10	5.0	0.5	10
Nov	19	10	-24.22	4.74	4	-184.1	30.6	4	9.7	8.4	4	-8.5	7.0	10	2.3	0.7	10
Dec	19	10	-24.67	3.54	4	-187.7	19.8	4	9.7	9.3	4	-14.4	9.9	10	1.5	0.8	10

CORRELATIONS

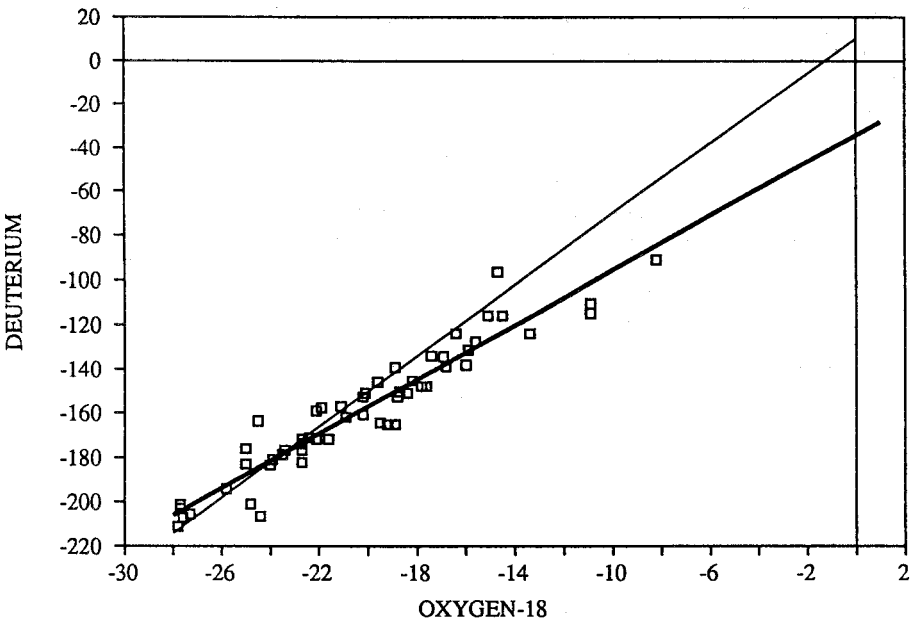
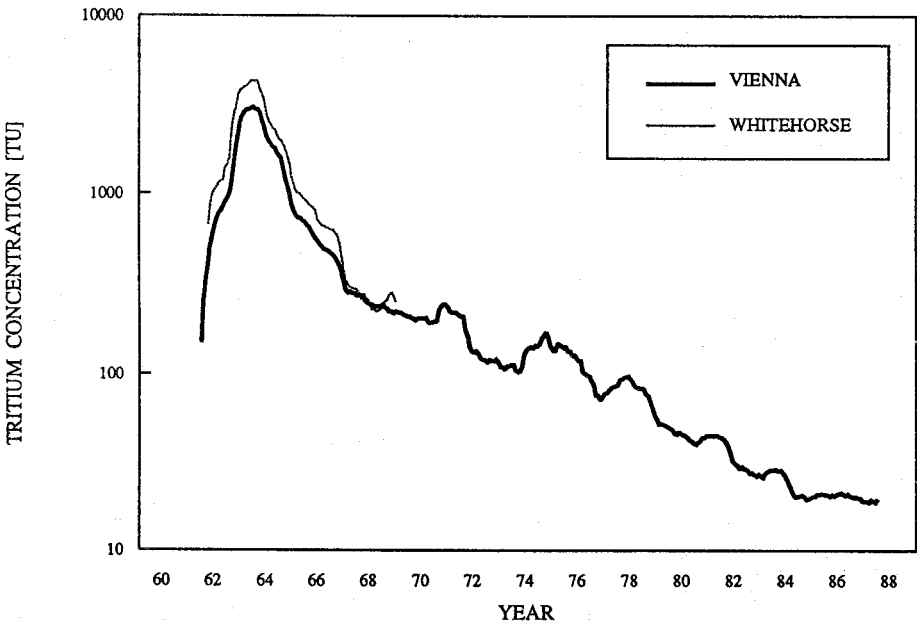
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	89	0.99	0.04	0.12	0.10	0.888	0.16
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	8	0.93	0.09	0.30	0.26	0.942	0.12
3) Monthly Deut vs. Monthly Precipitation	54	-0.15	0.25	-155.00	6.97	0.007	29.33
4) Monthly Oxyg-18 vs. Monthly Prec	54	-0.04	0.04	-19.39	1.08	0.018	4.53
5) Monthly Deut vs. Monthly Temperature	54	1.50	0.25	-157.52	3.08	0.411	22.58
6) Monthly Oxyg-18 vs. Monthly Temp	54	0.19	0.04	-20.14	0.53	0.283	3.87
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	54	6.13	0.27	-34.21	5.67	0.906	9.01
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	54	6.44	0.27	-27.95	5.70	0.906	9.01

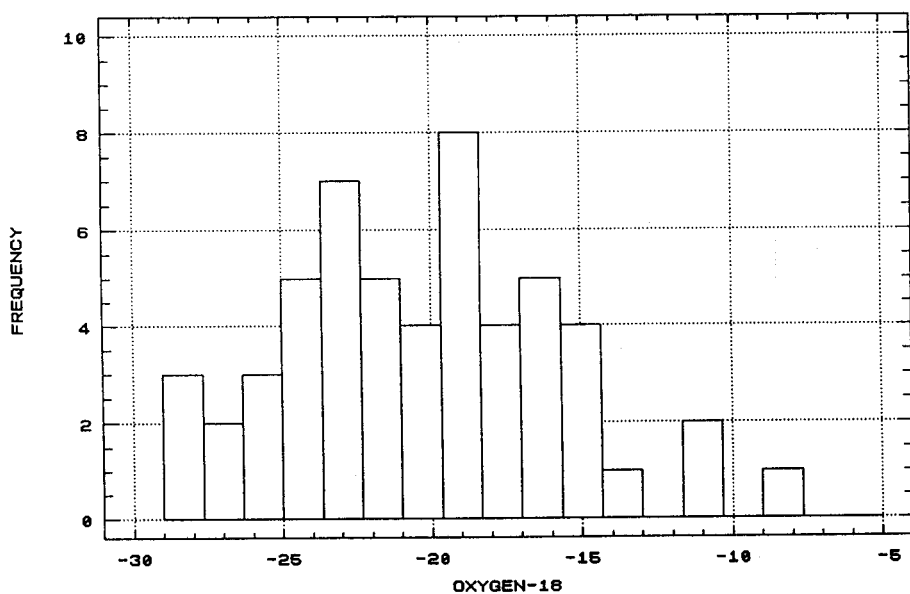
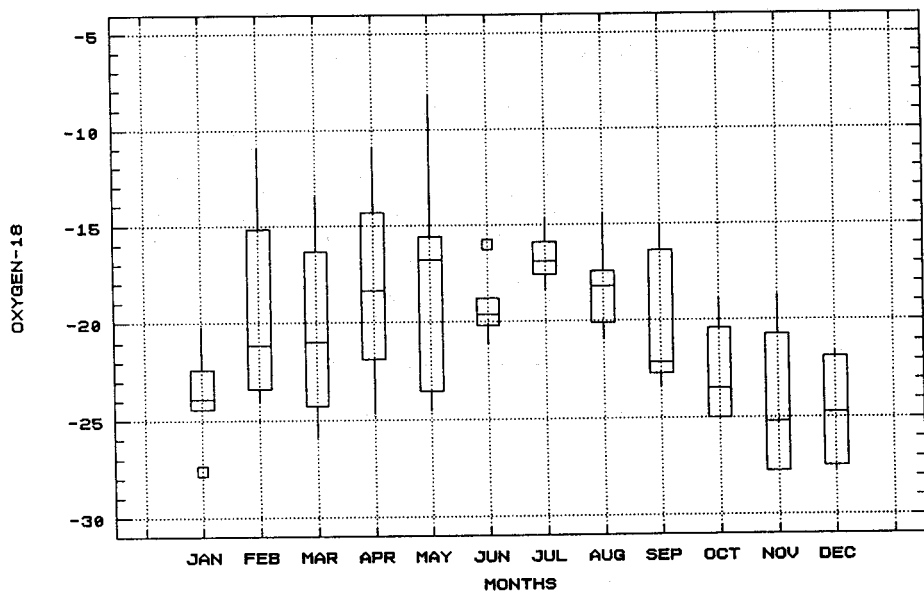
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
65	/ 10	-20.10	-110.8		
65	/ 11	-23.70	-133.5		
65	/ 12	-23.60	-124.7		

7296400 WHITEHORSE, YUKON, CANADA

Lat. 60.72N Long. 135.07W Alt. 702 m a.s.l.





7420500 DESTRUCTION ISLAND (PACIFIC OC.), USA

Lat. 47.67N Long. 124.48W Alt. 21 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	1950			-7.14	-6.83	-52.4	-51.6	4.8	3.1		
	(12)			(77.0/9)		(77.0/9)		(77.0/9)			
1963	2011			-7.98	-7.45	-57.4	-54.2	6.5	5.4		
	(12)			(100.0/12)		(100.0/12)		(100.0/12)			
1964	1817			-6.15	-5.81	-40.2	-39.2	9.0	7.3		
	(12)			(100.0/12)		(100.0/12)		(100.0/12)			
1965	1952			-8.44	-7.41	-60.3	-53.0	7.3	6.4		
	(12)			(100.0/12)		(100.0/12)		(100.0/12)			
1966	2328			-9.27	-9.28	-62.9	-64.9	11.3	9.4		
	(12)			(29.8/3)		(29.8/3)		(29.8/3)			
Long Term											
Means 2012											
σ											
				-7.47	-6.88	-52.9	-49.5	7.0	5.6		
				1.01	0.76	8.9	6.9	1.8	1.8		

MONTHLY MEANS

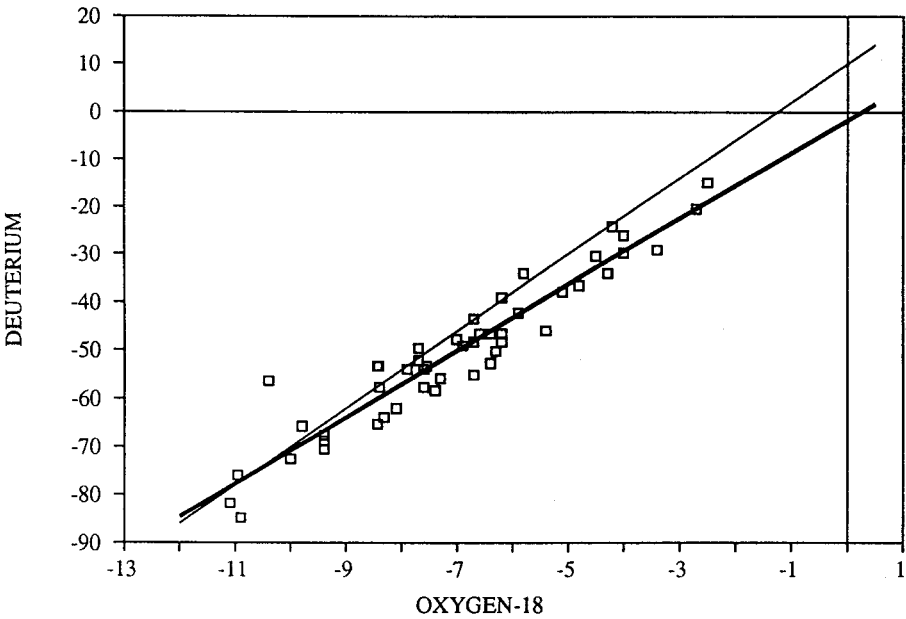
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	257	5	-8.35	1.94	4	-55.9	17.6	4	10.9	4.6	4						
Feb	191	5	-8.86	1.90	4	-65.6	18.4	4	5.3	4.1	4						
Mar	170	5	-8.71	2.03	4	-61.0	14.3	4	8.7	2.5	4						
Apr	141	5	-8.72	2.41	4	-62.8	20.2	4	7.0	3.2	4						
May	66	5	-4.95	2.23	4	-34.1	17.7	4	5.5	0.7	4						
Jun	52	5	-5.70	1.56	4	-44.0	13.3	4	1.5	2.2	4						
Jul	58	5	-5.85	1.21	4	-44.4	14.9	4	2.3	5.2	4						
Aug	60	5	-6.46	1.74	4	-49.4	11.6	4	2.2	4.3	4						
Sep	84	5	-4.60	1.26	4	-35.0	8.5	4	1.7	3.5	4						
Oct	235	5	-6.45	2.77	4	-43.8	17.4	4	7.7	5.0	4						
Nov	332	5	-7.30	1.10	4	-54.6	9.9	4	3.9	2.8	4						
Dec	366	5	-8.31	1.69	4	-52.5	3.6	4	14.0	10.0	4						

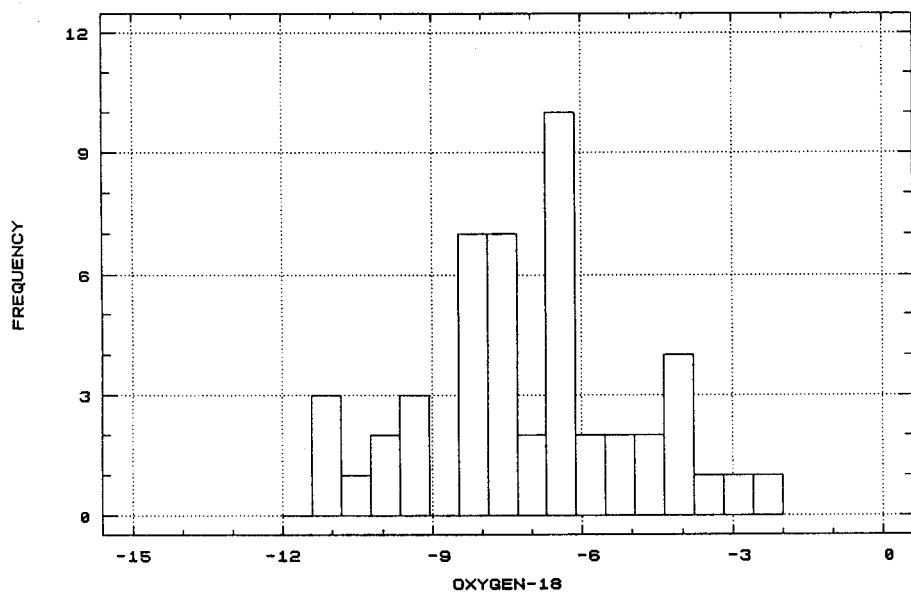
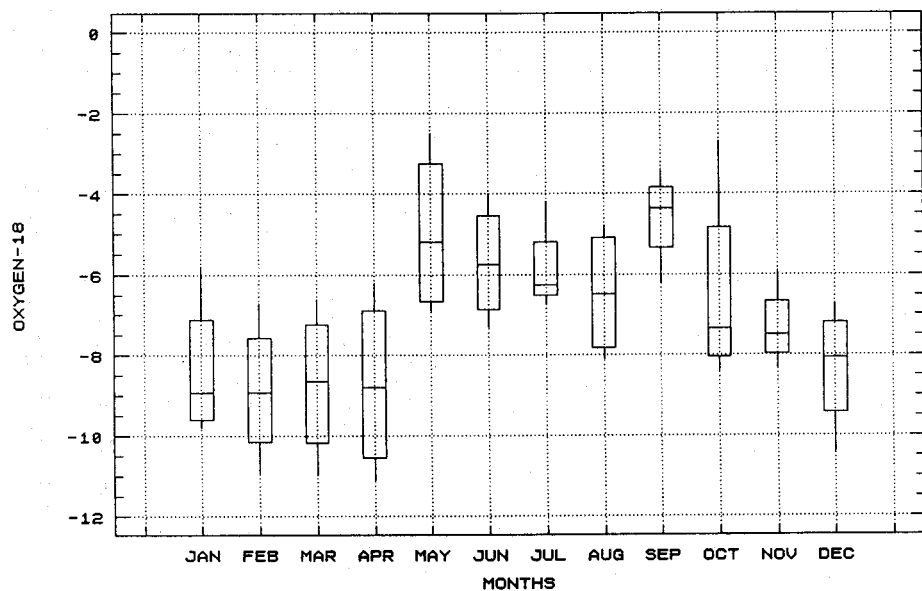
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
3) Monthly Deut vs. Monthly Precipitation	48	-0.04	0.02	-43.59	3.72	0.096	14.94
4) Monthly Oxyg-18 vs. Monthly Prec	48	-0.01	0.00	-5.84	0.49	0.158	1.99
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	48	6.90	0.33	-1.79	2.41	0.906	4.83
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	48	7.26	0.32	0.67	2.46	0.906	4.83

7420500 DESTRUCTION ISLAND (PACIFIC OC.), USA

Lat. 47.67N Long. 124.48W Alt. 21 m a.s.l.





7500001 WEATHERSHIP E (ATLANTIC OC.), USA

Lat. 35.00N Long. 48.00W Alt. 0 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962		116.5	125.2	-3.25	-3.38	-16.4	-16.7	9.6	10.4	21.0	19.5
		(82.8/6)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	(12)
1963		331.6	377.6	-3.96	-3.87	-18.2	-18.3	13.5	12.7	20.8	19.8
		(100.0/12)		(100.0/11)		(100.0/11)		(100.0/11)		(12)	(12)
1964	878	228.0	243.7	-1.82	-1.75	-9.4	-9.7	5.2	4.4	20.3	18.5
	(8)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	(12)
1965	822	137.4	133.8	-3.74	-3.42	-18.4	-15.5	11.6	11.9	20.4	19.0
	(8)	(100.0/10)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	(12)
1966	655	81.0	80.7	-3.47	-3.18	-17.1	-15.0	10.7	10.5	20.3	19.1
	(5)	(13.2/2)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	(12)
1967	810	46.8	54.6	-2.95	-2.79	-13.2	-10.8	10.5	11.5	20.5	18.9
	(10)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	(12)
1968	767	40.1	37.8	-2.62	-2.60	-17.1	-16.5	4.7	5.1	19.9	19.0
	(7)	(100.0/12)		(100.0/11)		(100.0/12)		(100.0/11)		(12)	(12)
1969	986	42.1	43.5	-3.95	-3.24	-21.3	-16.6	10.4	9.4	20.4	19.0
	(12)	(74.2/11)		(100.0/12)		(100.0/12)		(100.0/12)		(12)	(12)
1970	518	36.0	40.9	-4.41	-3.09					20.1	17.7
	(12)	(89.5/10)		(90.3/10)						(12)	(12)
1971	746	30.1	30.4	-2.26	-2.29					20.1	18.8
	(10)	(100.0/11)		(100.0/11)						(12)	(12)
1972	608	18.7	20.6	-2.43	-2.28	-16.8	-16.8	6.0	6.0		
	(8)	(100.0/9)		(93.4/8)		(16.6/1)		(16.6/1)			
1973	311	17.2	17.8	-4.47	-4.43	-27.9	-27.9	7.9	7.7		
	(3)	(58.9/6)		(58.9/6)		(58.9/6)		(58.9/6)			
1975		19.1	19.1								
		(13.6/1)									
Long Term Means 527				-3.16	-2.90	-16.4	-14.9	9.5	9.5	20.4	18.9
σ				0.82	0.61	3.6	3.0	3.0	3.0	0.3	0.5

MONTHLY MEANS

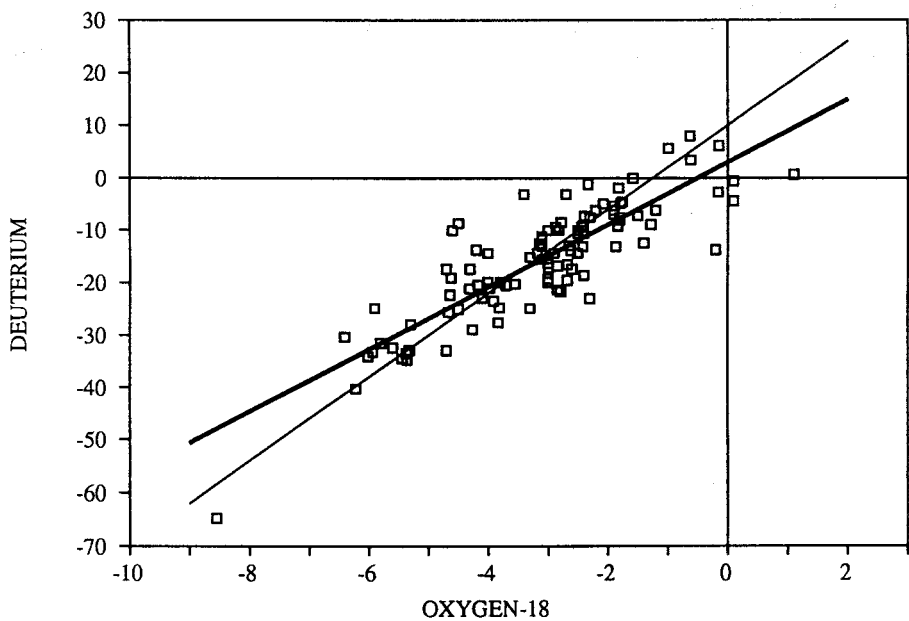
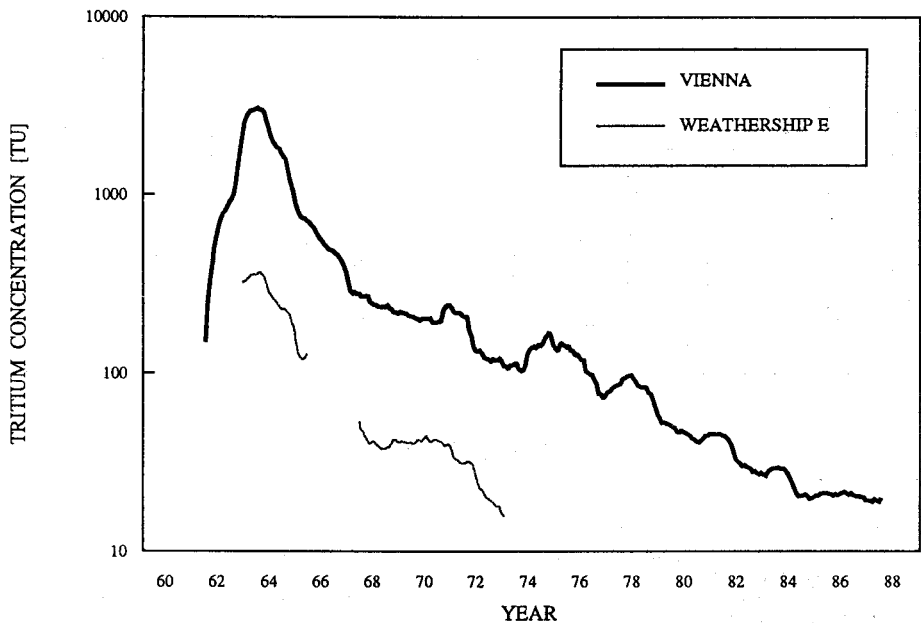
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	56	5	-3.66	1.05	11	-18.0	9.5	9	11.5	5.7	9	17.0	0.6	12	14.5	0.9	12
Feb	72	6	-3.19	2.02	12	-19.9	13.5	9	11.7	3.2	9	17.0	0.8	12	15.2	1.1	12
Mar	59	8	-2.18	1.75	12	-13.2	9.7	9	6.4	7.2	9	16.7	0.6	12	14.1	1.2	12
Apr	68	7	-3.10	1.31	11	-16.1	8.7	9	8.7	5.8	9	17.4	0.6	12	15.8	1.1	12
May	34	8	-3.39	2.64	11	-22.3	20.6	9	7.8	9.5	9	18.8	0.9	12	17.2	1.4	12
Jun	36	7	-2.44	1.34	12	-10.4	11.2	9	8.9	7.5	9	21.5	0.8	12	20.7	1.5	12
Jul	52	6	-1.56	1.26	9	-6.0	8.6	8	4.6	8.0	8	24.4	0.5	11	24.6	1.3	11
Aug	64	7	-2.66	0.79	11	-11.7	5.8	8	10.3	8.7	8	25.6	0.6	11	25.7	0.7	11
Sep	73	6	-2.75	1.03	9	-15.7	6.7	7	10.3	2.7	6	24.5	0.5	11	24.0	1.6	11
Oct	84	8	-3.47	2.06	10	-13.9	9.6	8	10.4	4.3	8	22.6	0.9	11	21.0	2.8	11
Nov	75	8	-3.82	1.31	10	-15.7	9.2	8	12.9	7.9	8	20.4	0.8	10	18.3	1.5	10
Dec	88	7	-3.50	1.41	11	-22.7	7.3	9	8.7	4.8	9	18.7	0.7	11	16.1	1.3	11

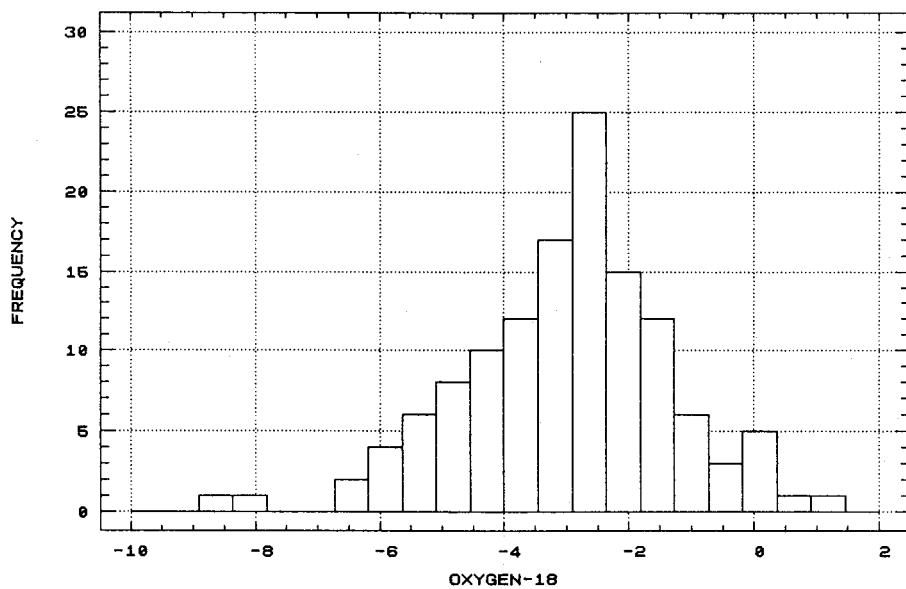
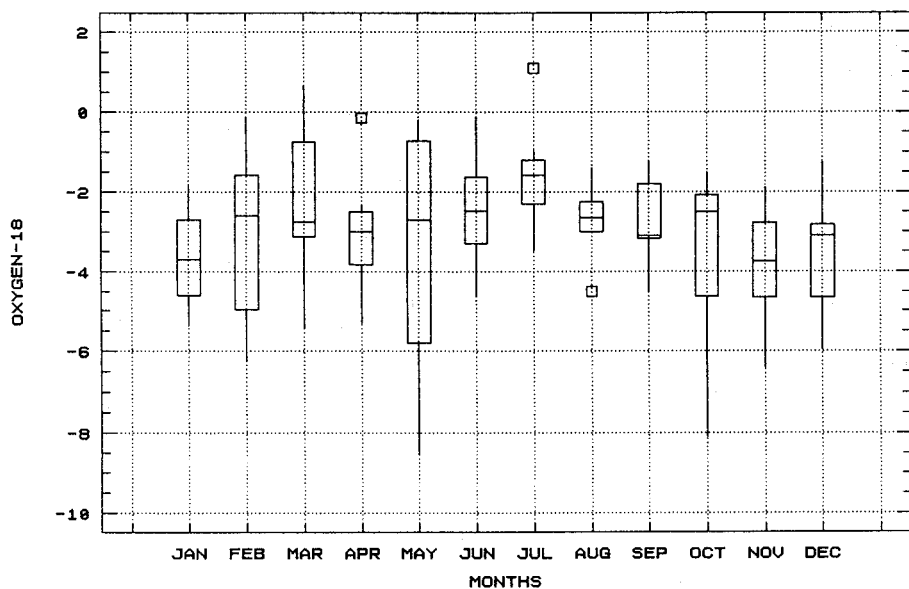
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	109	0.82	0.04	-0.31	0.09	0.824	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	9	0.90	0.05	-0.57	0.15	0.975	0.07
3) Monthly Deut vs. Monthly Precipitation	102	-0.07	0.03	-10.90	2.37	0.048	11.08
4) Monthly Oxyg-18 vs. Monthly Prec	129	-0.01	0.00	-2.22	0.30	0.061	1.60
5) Monthly Deut vs. Monthly Temperature	102	0.76	0.34	-30.97	7.06	0.046	11.09
6) Monthly Oxyg-18 vs. Monthly Temp	129	0.06	0.05	-4.23	0.93	0.014	1.64
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	101	5.96	0.36	2.99	1.25	0.738	5.82
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	101	6.94	0.35	6.02	1.37	0.738	5.82

7500001 WEATHERSHIP E (ATLANTIC OC.), USA

Lat. 35.00N Long. 48.00W Alt. 0 m a.s.l.





7622500 CHIHUAHUA, MEXICO

Lat. 28.63N Long. 106.07W Alt. 1423 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	214 (12)			-4.91 (98.5/7)	-6.45	-31.9 (98.5/7)	-42.0	7.4 (98.5/7)	9.7	19.2 (12)	10.0 (12)
1963	246 (12)			-4.88 (70.7/7)	-6.52	-33.3 (70.7/7)	-42.8	5.8 (70.7/7)	9.4	18.4 (12)	
1964	131 (12)	669.9 (45.8/2)	684.2	-3.29 (91.6/5)	-4.50	-20.5 (91.6/5)	-30.3	5.8 (91.6/5)	5.8	18.1 (12)	9.3 (12)
1965	191 (12)	279.2 (73.2/5)	256.0	-6.98 (86.3/7)	-7.12	-45.3 (86.3/7)	-45.4	10.6 (86.3/7)	11.6	19.2 (12)	11.5 (12)
1966	479 (12)	113.1 (89.1/5)	131.2	-7.71 (89.1/5)	-7.52	-45.3 (89.1/5)	-48.1	16.5 (89.1/5)	12.1		
1967	472 (12)	195.2 (97.8/5)	165.0	-9.13 (81.5/4)	-7.60	-55.8 (97.8/5)	-46.8	10.7 (81.5/4)	8.1	17.6 (12)	9.2 (12)
1968	596 (12)	104.7 (59.0/3)	157.9	-6.11 (53.6/2)	-6.16	-38.9 (53.6/2)	-38.8	10.0 (53.6/2)	10.5	17.4 (12)	14.1 (12)
1969	283 (12)									19.1 (12)	13.3 (12)
1970	283 (12)									18.6 (12)	12.1 (12)
1971	306 (12)									18.9 (12)	12.6 (12)
1972	545 (12)	34.5 (48.9/4)	26.5	-5.75 (44.5/3)	-6.09					19.0 (12)	13.7 (12)
1973	485 (12)	40.9 (96.0/6)	37.3	-10.58 (96.0/6)	-8.78	-73.0 (96.0/6)	-60.8	11.7 (96.0/6)	9.5	17.4 (12)	9.4 (12)
1974	403 (12)	27.3 (98.0/7)	22.4	-8.34 (97.7/6)	-8.89	-57.3 (97.7/6)	-62.2	9.5 (97.7/6)	9.0	19.0 (12)	8.3 (12)
1975	288 (12)	21.1 (51.3/5)	21.6	-5.65 (69.7/3)	-6.59	-38.0 (69.7/3)	-46.9	7.2 (69.7/3)	5.9	17.5 (12)	8.2 (12)
1976	488 (12)	20.9 (98.5/8)	22.5	-6.09 (98.5/8)	-6.97	-42.1 (98.5/8)	-47.9	6.6 (98.5/8)	7.9	16.7 (12)	10.0 (12)
1977	341 (12)	43.9 (96.4/5)	38.5	-1.32 (96.4/5)	-1.71	-10.9 (96.4/5)	-14.2	-0.4 (96.4/5)	-0.6	18.3 (12)	9.6 (12)
1978	620 (12)	15.4 (96.1/6)	17.7	-8.58 (91.9/5)	-7.67	-46.2 (91.9/5)	-41.2	22.6 (91.9/5)	20.2	18.0 (12)	11.9 (12)
1979	387 (12)	18.7 (75.7/4)	22.4	-4.61 (75.7/4)	-4.23	-27.5 (75.7/4)	-24.1	9.4 (75.7/4)	9.8	17.6 (12)	9.7 (12)
1980	211 (7)			-7.91 (59.0/4)	-7.63	-58.1 (59.0/4)	-57.1	5.2 (59.0/4)	4.0		
1981		2.0 (4.4/1)	2.0	-9.26 (69.1/8)	-8.86	-65.2 (69.1/8)	-61.4	9.0 (69.1/8)	9.6		
1982				-5.73 (80.5/7)	-6.28	-43.0 (78.9/6)	-41.0	2.3 (78.9/6)	5.1		
1983				-0.77 (33.7/2)	-0.77	-14.0 (11.7/1)	-14.0	-7.9 (11.7/1)	-7.9		
1984	102 (8)	10.2 (29.6/9)	10.0	-6.35 (29.6/9)	-6.77	-40.6 (29.6/9)	-43.8	10.2 (29.6/9)	10.4		
1985		10.4 (86.9/7)	12.0	-3.46 (86.9/7)	-5.64	-20.1 (86.9/7)	-38.7	7.6 (86.9/7)	6.5		
1986		7.6 (95.9/7)	8.7	-5.83 (92.9/8)	-6.36	-37.4 (88.5/7)	-41.2	9.6 (88.5/7)	11.2		
1987		10.4 (65.6/5)	11.7	-7.02 (65.6/5)	-6.22	-50.6 (65.6/5)	-43.8	5.6 (65.6/5)	6.0		

Long Term
Means 345
σ

-6.69	-6.41	-42.9	-41.7	10.4	9.0	18.2	10.8
2.61	1.92	17.0	12.7	5.7	4.5	0.7	1.9

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	3	19	-6.78	2.25	6	-43.4	19.1	6	10.8	4.8	6	9.6	1.8	19	6.1	1.4	19
Feb	5	19	-11.69	3.46	2	-82.3	24.4	2	11.2	3.3	2	11.6	1.4	19	6.3	1.7	19
Mar	4	19	-7.48	3.54	4	-49.0	28.0	4	10.8	10.9	4	15.4	1.6	19	6.3	1.5	19
Apr	6	19	-7.25	2.57	8	-47.8	22.0	7	7.8	4.4	7	19.7	2.3	19	7.3	1.8	19
May	15	20	-6.51	1.89	9	-42.8	14.0	8	10.8	3.3	8	23.0	1.6	20	9.3	2.9	20
Jun	41	20	-5.37	4.13	16	-37.7	30.2	16	5.3	7.2	16	26.0	1.2	20	15.0	5.1	20
Jul	76	20	-5.96	3.80	20	-42.9	27.9	20	5.9	6.5	19	25.1	1.3	20	16.9	2.8	20
Aug	89	19	-5.38	3.14	21	-33.1	24.8	20	9.7	5.5	20	23.9	1.4	19	17.4	3.8	19
Sep	81	19	-6.37	3.09	17	-44.6	21.8	16	6.8	8.6	16	21.6	1.7	19	16.0	3.1	19
Oct	20	19	-6.74	3.14	10	-42.4	24.2	9	11.2	7.8	9	18.2	1.5	19	12.1	3.5	19
Nov	8	19	-8.10	3.69	7	-52.0	24.4	7	12.7	6.6	7	13.5	1.7	19	8.6	3.1	18
Dec	9	19	-10.67	1.67	7	-73.3	16.0	7	12.1	4.8	7	10.1	1.5	18	7.0	3.3	18

CORRELATIONS

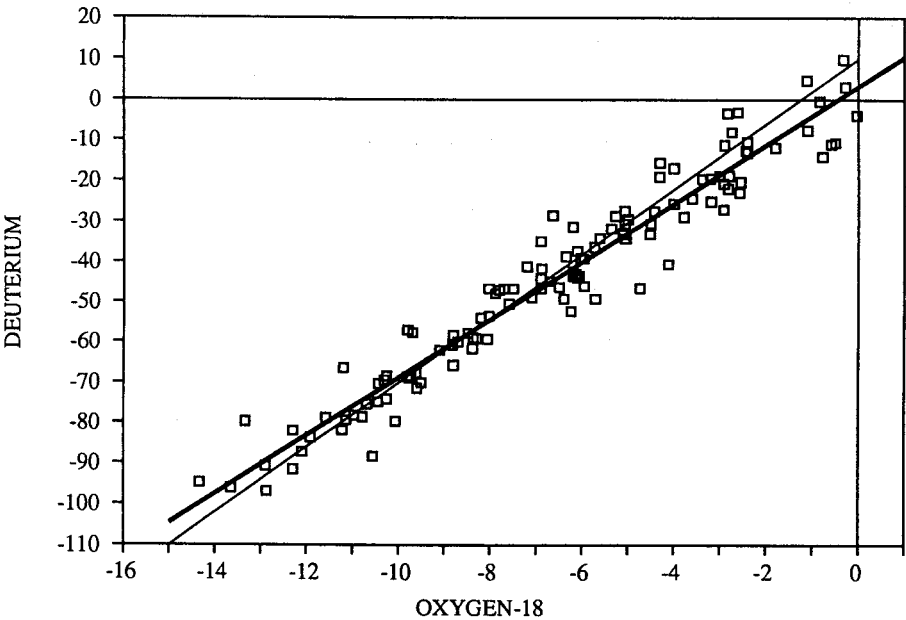
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	88	0.82	0.06	-0.18	0.12	0.687	0.29
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	10	0.89	0.16	-0.29	0.32	0.800	0.21
3) Monthly Deut vs. Monthly Precipitation	122	0.01	0.04	-44.76	3.15	0.001	25.52
4) Monthly Oxyg-18 vs. Monthly Prec	127	0.00	0.01	-6.59	0.41	0.000	3.42
5) Monthly Deut vs. Monthly Temperature	85	1.84	0.47	-81.69	9.93	0.158	23.33
6) Monthly Oxyg-18 vs. Monthly Temp	87	0.27	0.06	-12.19	1.33	0.182	3.11
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	121	7.19	0.16	3.25	1.23	0.941	6.18
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	121	7.41	0.16	4.71	1.34	0.941	6.18

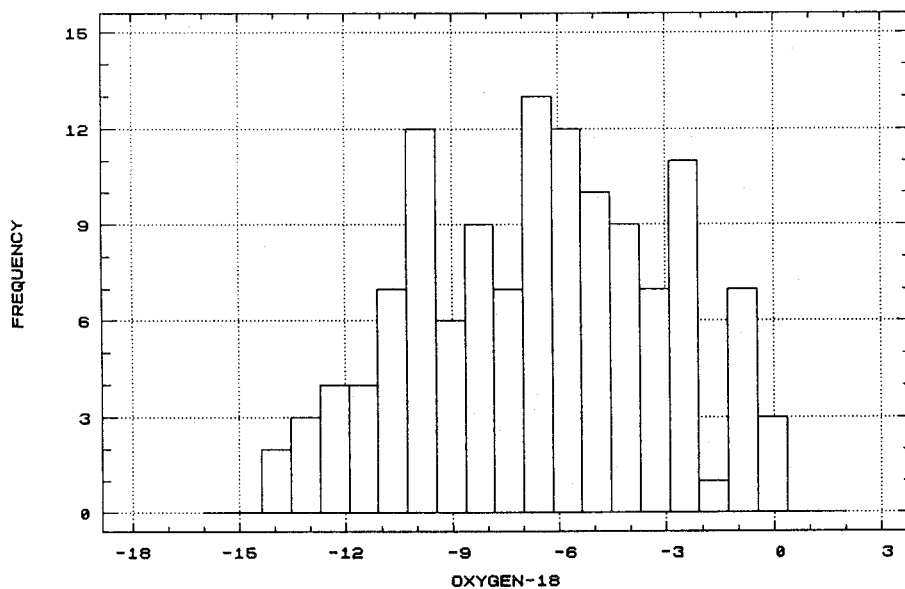
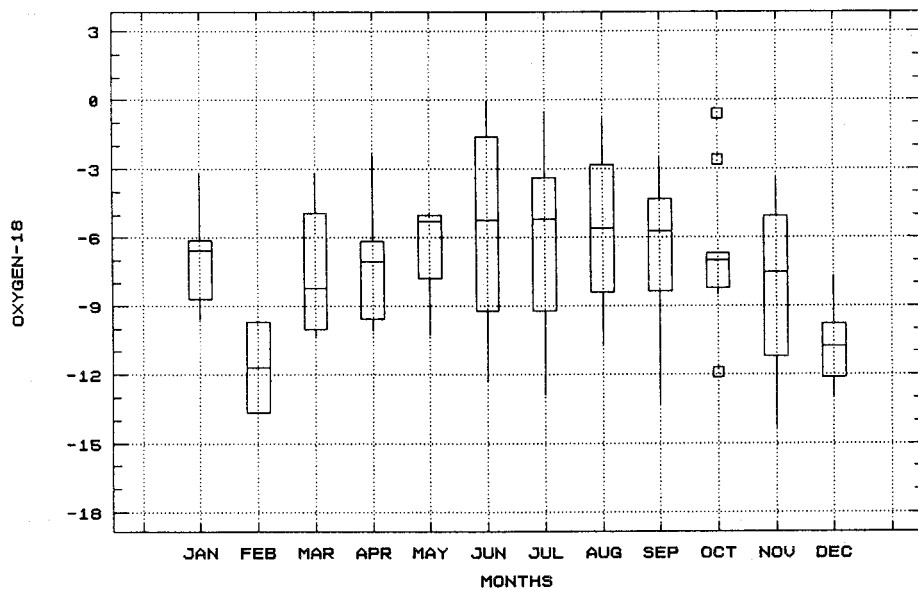
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
67	/ 4	5.60	15.6		
78	/ 6	8.92			
82	/ 12	2.69	-9.3		

7622500 CHIHUAHUA, MEXICO

Lat. 28.63N Long. 106.07W Alt. 1423 m a.s.l.





7669200 VERACRUZ, MEXICO

Lat. 19.20N Long. 96.13W Alt. 16 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	1692 (12)	42.0 (57.3/4)	48.5	-6.34 (99.8/9)	-6.75	-45.0 (99.8/9)	-48.1	5.8 (99.8/9)	5.9	25.8 (12)	26.3 (12)
1963	1582 (12)	295.2 (20.8/2)	187.6	-1.60 (38.5/3)	-2.90	-9.3 (38.5/3)	-14.4	3.5 (38.5/3)	8.8	25.4 (12)	25.0 (12)
1964	1232 (12)			-3.59 (59.9/3)	-3.67	-21.1 (59.9/3)	-21.3	7.7 (59.9/3)	8.1	26.0 (12)	26.6 (12)
1965	1691 (12)									25.6 (12)	25.7 (12)
1966	1569 (12)	33.6 (12.4/1)	33.6	-3.98 (12.4/1)	-3.98	-15.7 (12.4/1)	-15.7	16.2 (12.4/1)	16.2	25.0 (12)	24.9 (12)
1967	1619 (12)	30.1 (96.2/8)	29.0	-7.43 (33.2/3)	-4.67	-42.6 (33.2/3)	-22.8	17.0 (33.2/3)	14.6	25.4 (12)	24.9 (12)
1968	1525 (12)	22.3 (97.9/9)	23.7	-3.36 (83.7/7)	-3.17	-13.2 (45.2/5)	-9.7	12.6 (45.2/5)	14.4	25.4 (12)	25.0 (12)
1969	1415 (12)	16.9 (4.9/2)	17.6	-2.43 (5.6/3)	-1.88	-10.6 (5.6/3)	-3.7	8.9 (5.6/3)	11.3		
1970	1607 (12)	24.7 (73.9/6)	26.3	-6.13 (74.9/7)	-3.27					25.2 (12)	25.2 (12)
1971	2062 (12)	19.5 (100.0/10)	21.0	-3.72 (100.0/10)	-2.73					25.9 (12)	26.7 (12)
1972	1493 (12)	14.5 (73.6/10)	15.7	-4.47 (61.8/7)	-3.09					26.2 (12)	27.6 (12)
1973	1702 (12)	10.7 (99.8/10)	12.3	-2.40 (53.3/5)	-1.84	-1.2 (51.2/6)	4.6	23.3 (26.9/4)	18.7	25.5 (12)	27.2 (12)
1974	1705 (12)	12.2 (99.0/9)	13.0	-3.91 (67.6/5)	-1.34	-20.9 (41.6/4)	-0.7	19.4 (41.6/4)	8.5	25.5 (12)	26.6 (12)
1975	1707 (12)	8.7 (99.7/10)	11.6	-2.72 (78.9/9)	-1.28	-20.2 (78.9/9)	-4.5	1.7 (78.9/9)	5.7	25.6 (12)	26.3 (12)
1976	1206 (12)	7.1 (99.6/10)	8.9	-4.35 (98.3/10)	-2.21	-25.7 (98.3/10)	-8.5	9.2 (98.3/10)	9.2	24.7 (12)	25.6 (12)
1977	1366 (12)	8.5 (100.0/11)	8.6	-2.25 (99.1/9)	-1.16	-16.4 (99.1/9)	-7.1	1.7 (99.1/9)	2.3	25.2 (12)	25.8 (12)
1978	1637 (12)	8.8 (95.2/9)	11.4	-3.03 (95.3/8)	-2.24	-20.0 (95.3/8)	-14.7	4.3 (95.3/8)	3.3	25.1 (12)	25.7 (12)
1979	1676 (12)	7.3 (99.2/9)	7.6	-5.55 (100.0/12)	-1.90	-34.2 (100.0/12)	-5.9	10.2 (100.0/12)	9.3	24.8 (12)	25.1 (12)
1980	1418 (12)	5.2 (99.5/9)	5.6	-4.13 (99.5/9)	-3.41	-23.6 (87.8/6)	-22.0	11.4 (87.8/6)	10.6	25.2 (12)	25.5 (12)
1981		5.3 (97.2/10)	7.1	-5.76 (95.8/8)	-3.98	-36.4 (84.8/6)	-23.7	12.8 (84.8/6)	12.4		
1982		4.1 (100.0/10)	4.6	-3.63 (98.2/9)	-2.66	-18.2 (98.2/9)	-10.4	10.9 (98.2/9)	10.9		
1983	1465 (9)	4.3 (80.1/9)	4.0	-3.14 (48.3/9)	-1.74	-13.9 (46.5/6)	-6.4	12.0 (46.5/6)	12.4		
1984	2113 (9)	3.9 (100.0/10)	3.9	-1.17 (10.4/3)	-0.98	6.7 (12.1/4)	10.8	12.1 (10.4/3)	12.5		
1985	1222 (3)	5.8 (80.2/9)	5.3	-4.15 (71.7/9)	-2.14	-22.3 (71.7/9)	-5.8	10.9 (71.7/9)	11.4		
1986		3.8 (18.8/5)	4.8	-2.85 (40.5/6)	-2.03	-12.2 (40.5/6)	-7.5	10.7 (40.5/6)	8.8		
1987		3.5 (23.3/4)	4.6	-4.23 (24.1/5)	-0.78	-24.5 (24.1/5)	1.6	9.4 (24.1/5)	7.8		
Long Term Means 1518											
				-4.13	-2.86	-27.1	-16.1	7.5	7.7	25.4	25.9
σ				1.32	1.54	9.8	13.8	4.3	3.5	0.3	0.8

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	26	20	-0.68	2.57	11	10.3	17.8	9	11.5	7.6	8	21.3	1.0	20	20.8	2.1	20
Feb	11	20	0.50	2.39	10	15.7	13.1	7	5.4	7.9	7	21.8	1.4	20	21.2	2.1	20
Mar	11	20	-0.14	2.56	7	16.6	14.0	4	7.8	9.6	4	23.5	1.1	20	23.7	2.0	20
Apr	18	21	-0.96	2.46	14	-3.6	21.2	11	6.5	5.6	11	25.7	0.9	21	26.2	1.9	21
May	52	21	-2.47	2.20	14	-9.1	19.8	12	9.6	6.1	12	27.5	0.5	21	29.0	1.3	21
Jun	274	21	-4.95	1.95	16	-30.5	12.5	13	7.9	4.2	13	27.9	0.5	21	29.5	0.8	21
Jul	324	21	-3.56	1.60	17	-20.0	11.9	11	6.9	4.9	11	27.4	1.7	21	28.7	2.6	21
Aug	317	21	-3.68	2.57	17	-22.3	17.3	15	6.6	8.2	14	27.9	0.5	21	29.3	0.8	21
Sep	328	21	-5.09	2.63	17	-28.8	18.9	15	11.3	7.6	15	27.6	0.6	21	28.9	1.2	21
Oct	133	21	-3.05	1.10	15	-12.9	13.2	13	11.3	6.9	13	26.6	0.7	21	26.4	1.8	21
Nov	64	21	-2.11	3.00	17	-3.6	25.1	15	12.6	8.6	15	24.4	1.1	21	23.6	2.0	21
Dec	34	21	-1.19	2.00	14	-0.2	15.8	11	9.3	6.4	10	22.5	1.2	20	22.2	1.8	20

CORRELATIONS

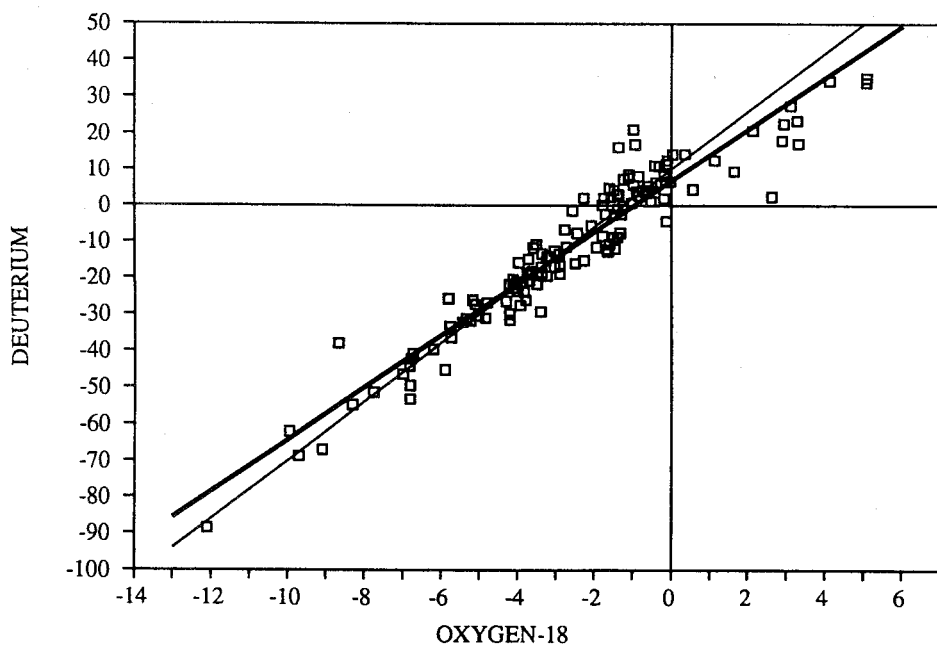
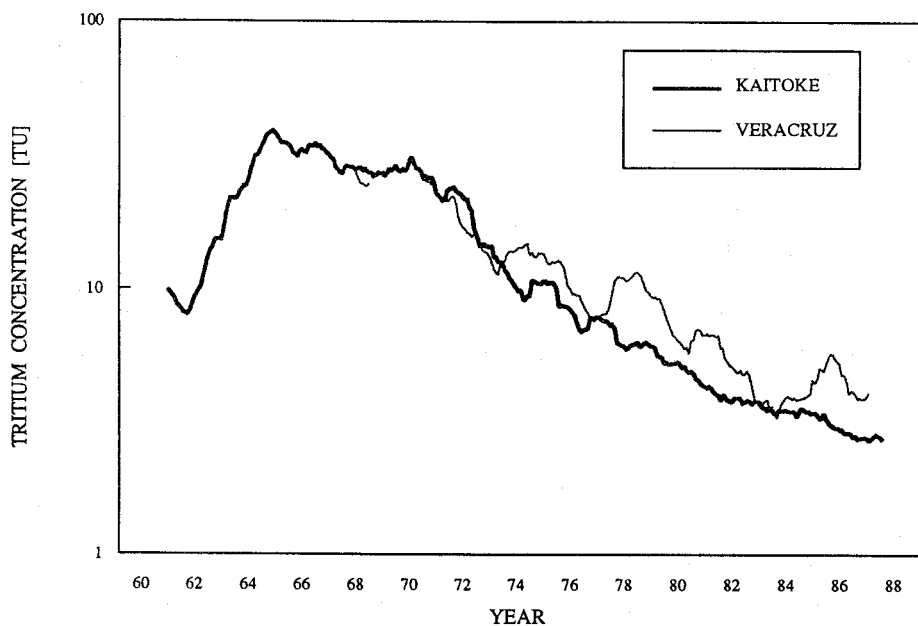
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	184	0.79	0.09	0.26	0.08	0.317	0.41
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	16	0.80	0.06	0.23	0.05	0.929	0.07
3) Monthly Deut vs. Monthly Precipitation	136	-0.09	0.01	2.75	2.24	0.345	17.99
4) Monthly Oxyg-18 vs. Monthly Prec	169	-0.01	0.00	-1.00	0.26	0.305	2.33
5) Monthly Deut vs. Monthly Temperature	99	-4.42	0.85	102.55	22.20	0.217	20.33
6) Monthly Oxyg-18 vs. Monthly Temp	129	-0.51	0.10	10.55	2.48	0.184	2.61
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	133	7.11	0.19	6.85	0.75	0.912	6.55
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	133	7.44	0.19	7.71	0.94	0.912	6.55

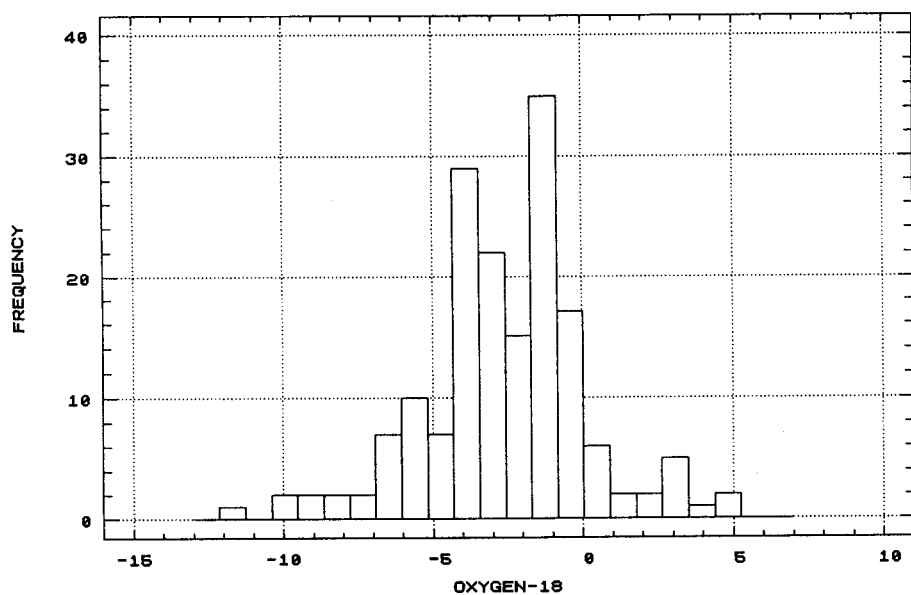
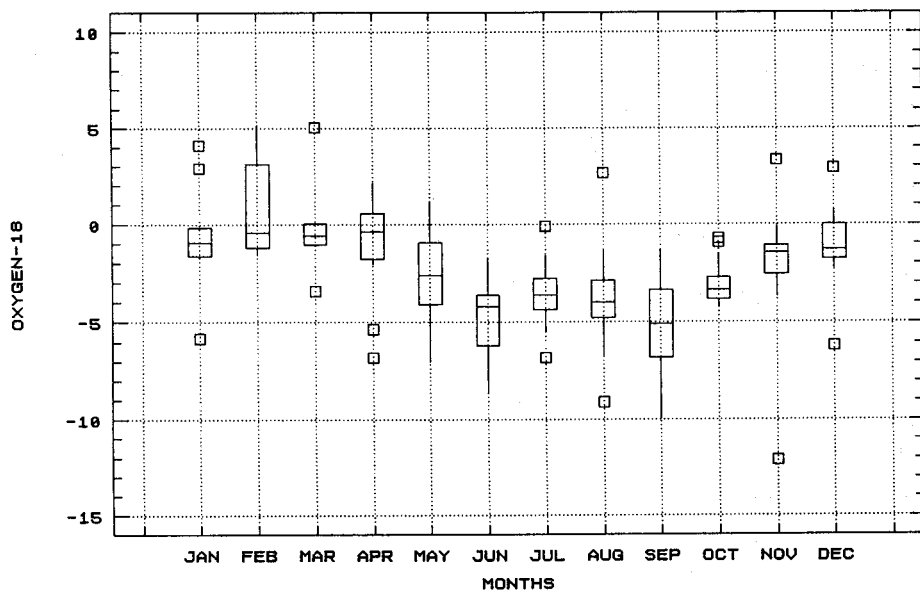
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
74	/ 2	-2.81	27.2		
74	/ 10	1.50	-18.7		
76	/ 1	7.55	34.6		

7669200 VERACRUZ, MEXICO

Lat. 19.20N Long. 96.13W Alt. 16 m a.s.l.





7801600 BERMUDA ISLAND (ATLANTIC OC.), USA

Lat. 32.37N Long. 64.68W Alt. 6 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	1910 (12)	90.4 (50.2/6)	96.9	-4.02 (100.0/12)	-3.83	-14.9 (93.1/11)	-14.5	17.5 (93.1/11)	16.3	21.6 (12)	19.6 (12)
1963	1764 (12)	304.5 (100.0/12)	388.5	-3.39 (100.0/12)	-3.33	-18.6 (97.1/11)	-17.8	8.2 (97.1/11)	7.9	21.4 (12)	19.1 (12)
1964	1362 (12)	179.5 (100.0/12)	205.0	-3.05 (100.0/12)	-2.88	-15.2 (100.0/12)	-14.7	9.3 (100.0/12)	8.3	21.3 (12)	18.5 (12)
1965	1148 (12)	118.3 (100.0/12)	141.2	-3.50 (90.5/11)	-3.35	-18.5 (90.5/11)	-17.4	9.5 (90.5/11)	9.5	21.6 (12)	16.6 (12)
1966	1984 (12)	68.7 (100.0/12)	64.7	-3.90 (8.3/1)	-3.90					21.8 (12)	18.3 (12)
1967	1096 (12)	42.1 (100.0/12)	48.2							21.3 (12)	18.0 (12)
1968	340 (3)										
Long Term											
Means 1372				-3.53	-3.35	-16.7	-16.1	11.5	10.5	21.5	18.3
σ				0.40	0.39	2.0	1.7	4.3	3.9	0.2	1.0

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	121	7	-3.32	0.92	5	-12.1	9.4	4	13.2	3.9	4	17.4	0.9	7	13.2	1.9	7
Feb	124	7	-2.80	1.46	4	-11.3	9.5	4	11.0	5.0	4	16.8	0.8	7	12.6	2.0	7
Mar	108	7	-1.37	2.23	3	-8.7	5.7	3	2.2	12.9	3	16.9	0.4	7	12.5	1.1	7
Apr	72	6	-2.98	1.97	4	-8.4	4.9	2	5.6	12.7	2	17.9	0.4	6	13.8	2.6	6
May	73	6	-3.10	0.87	4	-16.6	3.4	4	8.2	6.1	4	21.3	0.8	6	18.3	2.2	6
Jun	223	6	-3.37	1.84	4	-16.5	7.4	4	10.5	7.4	4	24.4	1.0	6	24.1	3.1	6
Jul	87	6	-3.50	0.55	4	-17.2	4.9	4	10.8	0.8	4	26.0	0.9	6	24.2	2.2	6
Aug	134	6	-2.55	1.39	4	-13.2	8.1	4	7.2	5.1	4	27.4	0.9	6	26.3	1.4	6
Sep	145	6	-3.92	1.44	4	-20.8	14.8	4	10.6	6.9	4	25.9	0.2	6	24.1	2.1	6
Oct	207	6	-4.17	1.37	4	-22.2	14.5	4	11.2	4.1	4	24.3	1.0	6	20.5	1.3	6
Nov	133	6	-4.60	0.76	4	-22.8	11.7	4	14.0	6.7	4	20.7	0.3	6	16.0	1.5	6
Dec	114	6	-4.07	0.85	4	-16.8	6.9	4	15.8	5.5	4	18.2	0.9	6	13.6	1.3	6

CORRELATIONS

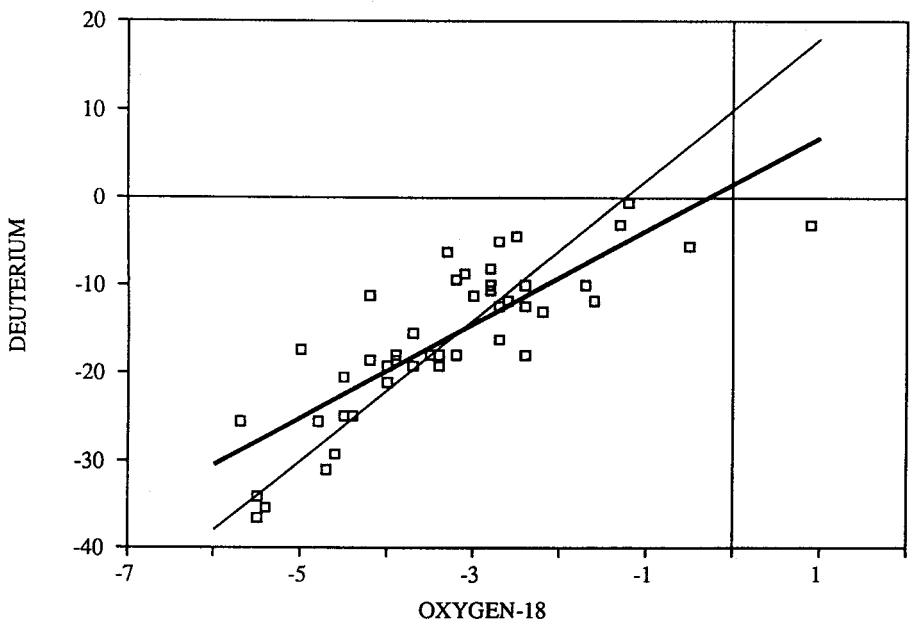
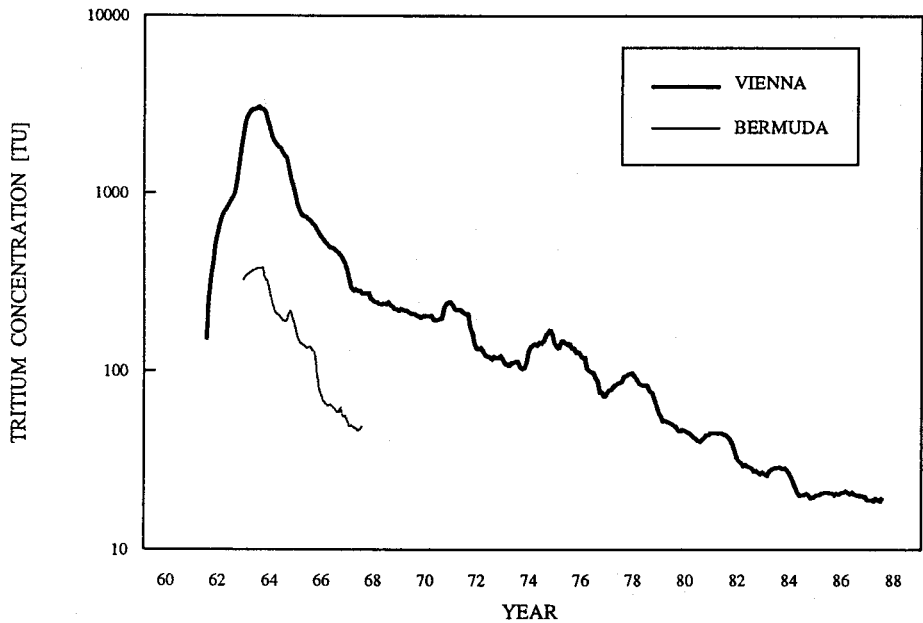
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	62	0.82	0.06	-0.35	0.17	0.774	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	5	0.82	0.04	-0.39	0.13	0.992	0.04
3) Monthly Deut vs. Monthly Precipitation	45	-0.01	0.02	-14.28	2.58	0.014	8.86
4) Monthly Oxyg-18 vs. Monthly Prec	48	-0.00	0.00	-2.84	0.38	0.053	1.32
5) Monthly Deut vs. Monthly Temperature	45	-0.52	0.35	-4.76	7.71	0.049	8.70
6) Monthly Oxyg-18 vs. Monthly Temp	48	-0.03	0.05	-2.67	1.14	0.008	1.36
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	45	5.33	0.55	1.60	1.96	0.686	5.00
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	45	6.44	0.54	5.25	2.07	0.686	5.00

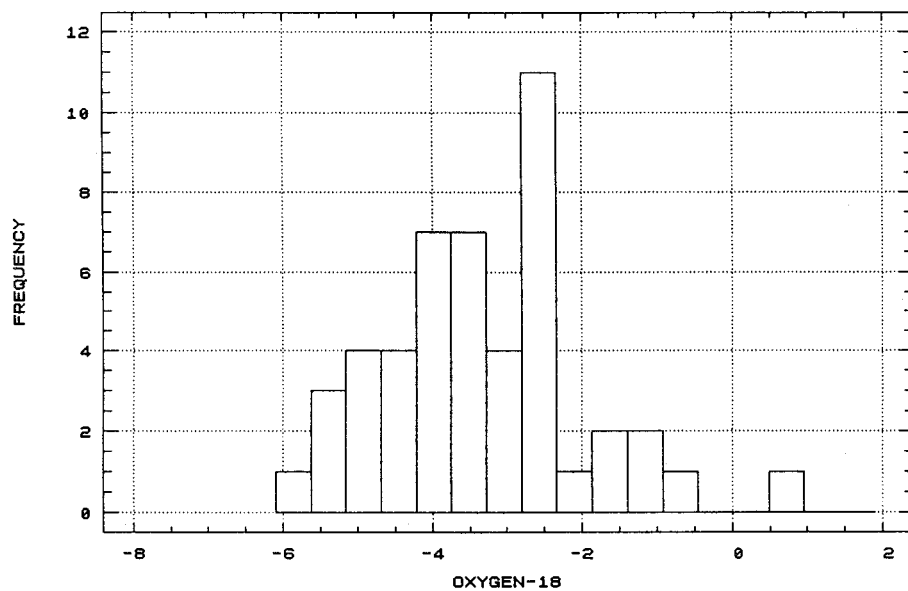
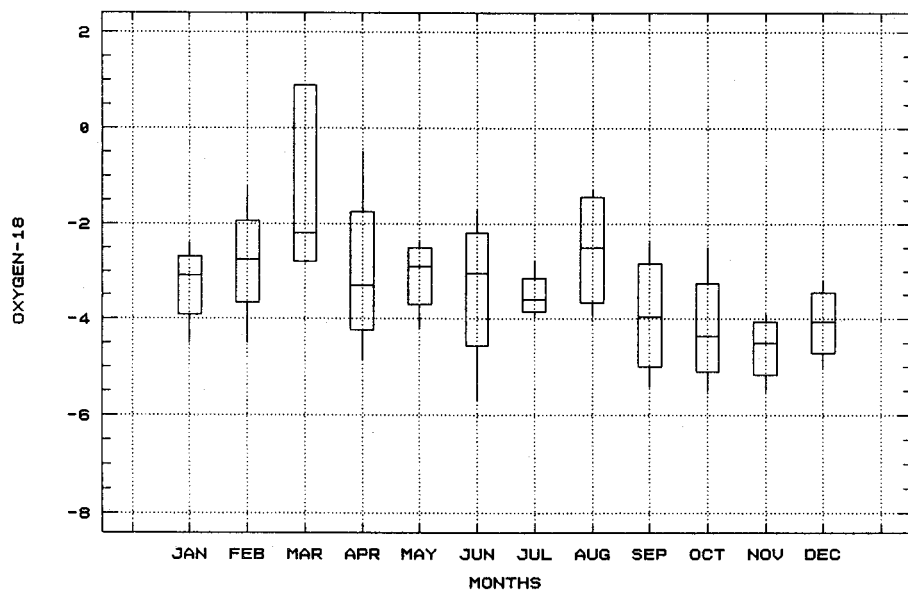
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
65	/ 3	-3.30	-49.6		

7801600 BERMUDA ISLAND (ATLANTIC OC.), USA

Lat. 32.37N Long. 64.68W Alt. 6 m a.s.l.





7852600 SAN JUAN, PUERTO RICO, USA

Lat. 18.43N Long. 66.00W Alt. 4 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp.	Vap. Pr.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1963	1234 (12)	224.9	214.6 (93.5/11)							26.2 (12)	26.8 (12)
1964	1208 (12)	160.7	149.6 (95.7/11)							26.5 (12)	26.6 (12)
1965	1672 (12)	58.5	53.4 (77.2/11)							26.2 (12)	26.3 (12)
1966	1530 (12)	30.0	31.2 (85.6/9)							26.3 (12)	26.7 (12)
1967	1081 (12)	21.0	22.5 (66.9/8)							26.4 (12)	25.4 (12)
1968	1351 (12)	17.6	15.4 (100.0/12)	-1.83 (55.6/5)	-1.68	-4.6 (55.6/5)	-3.5	10.1 (55.6/5)	10.0	26.3 (12)	27.4 (12)
1969	1570 (12)	19.2	18.1 (90.6/11)	-1.72 (77.8/10)	-1.56	-5.6 (77.8/10)	-3.8	8.3 (77.8/10)	8.7	26.3 (12)	25.9 (12)
1970	3165 (12)	20.4	18.6 (100.0/12)	-2.51 (93.0/10)	-1.82					26.7 (12)	25.5 (12)
1971	903 (12)	19.0	18.6 (100.0/12)	-1.72 (79.0/9)	-1.33					27.1 (12)	
1972	959 (12)	10.8	11.7 (92.7/11)	-1.13 (58.3/8)	-0.82					27.3 (12)	24.8 (12)
1973	904 (12)	9.9	9.8 (40.3/5)	-1.45 (24.5/3)	-1.50	3.6 (24.5/3)	3.3	15.2 (24.5/3)	15.3	27.3 (12)	25.2 (12)
1974	1057 (12)	8.8	9.0 (86.3/9)							27.1 (12)	23.1 (12)
1975	1303 (12)	6.9	7.6 (100.0/12)							26.8 (12)	23.2 (12)
1976	1198 (12)	5.9	5.8 (100.0/12)							26.8 (12)	22.8 (12)
1977	1342 (12)	6.4	6.3 (100.0/12)							26.7 (12)	24.6 (12)
1978	1266 (12)	6.7	6.8 (100.0/12)							27.4 (12)	27.6 (12)
1979	1894 (12)	5.2	5.2 (100.0/12)							27.4 (12)	27.2 (12)
1980	913 (12)	4.7	4.6 (100.0/12)							28.0 (12)	28.0 (12)
1981	1866 (12)	5.2	5.5 (100.0/12)							27.9 (12)	
1982	1143 (12)	3.9	3.8 (100.0/12)							27.3 (12)	
1983	1066 (12)	3.6	3.5 (100.0/12)							28.0 (12)	
1984		4.3	4.3 (79.7/10)								
1985	1154 (12)	3.6	3.5 (93.8/11)								
1986	1404 (12)	3.3	3.4 (8.9/3)								
Long Term											
Means 1356				-2.19	-1.57	-5.6	-3.8	8.3	8.7	27.0	25.7
σ				0.52	0.25					0.5	1.6

MONTHLY MEANS

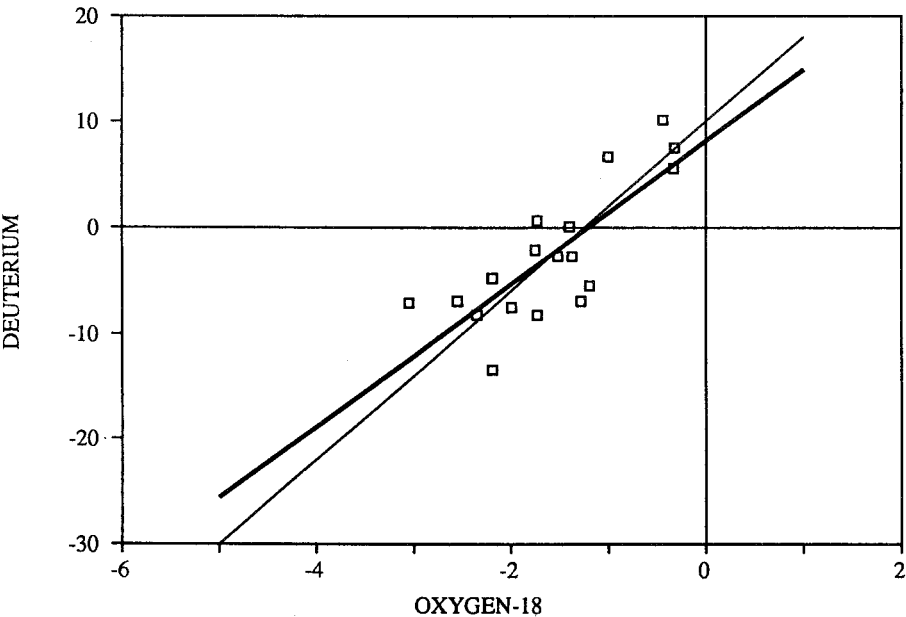
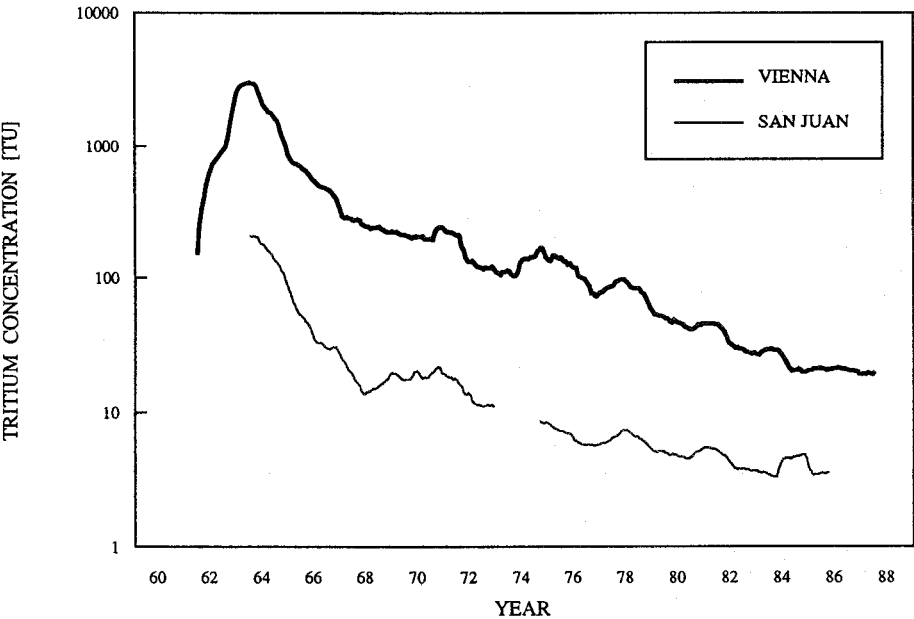
Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	70	23	-0.78	0.64	5	2.3	7.7	2	13.3	2.4	2	25.3	1.0	21	22.7	1.6	19
Feb	53	23	-0.88	0.98	4	2.6	13.1	2	13.2	0.7	2	25.3	0.7	21	22.6	1.4	20
Mar	55	23	-0.61	0.49	2	5.6		1	8.2		1	25.7	0.8	21	22.7	1.8	18
Apr	86	23	-1.01	1.51	4	0.2	12.9	2	13.7	6.4	2	26.3	0.7	21	23.8	2.1	20
May	169	23	-1.94	1.95	4	-8.2		1	10.6		1	27.2	0.8	21	26.5	2.3	20
Jun	103	23	-1.35	1.27	4	-7.5		1	8.4		1	28.1	0.8	21	28.0	2.0	20
Jul	107	23	-1.19	0.75	4	-8.2		1	5.6		1	28.2	0.7	21	28.1	2.1	19
Aug	135	23	-2.05	0.96	5	-9.4	6.9	2	4.1		2	28.2	0.6	21	28.6	2.1	20
Sep	140	23	-1.37	0.16	4	-4.8	3.7	2	5.8	4.3	2	28.2	0.7	21	28.3	2.2	18
Oct	163	23	-2.47	1.43	4	-2.7		1	9.5		1	27.9	0.6	21	27.7	1.6	19
Nov	149	23	-2.55		1	-6.9		1	13.5		1	26.8	0.6	21	26.2	1.3	19
Dec	125	23	-1.55	0.54	4	0.4	0.5	2	12.9	2.8	2	25.7	0.6	21	24.8	2.4	20

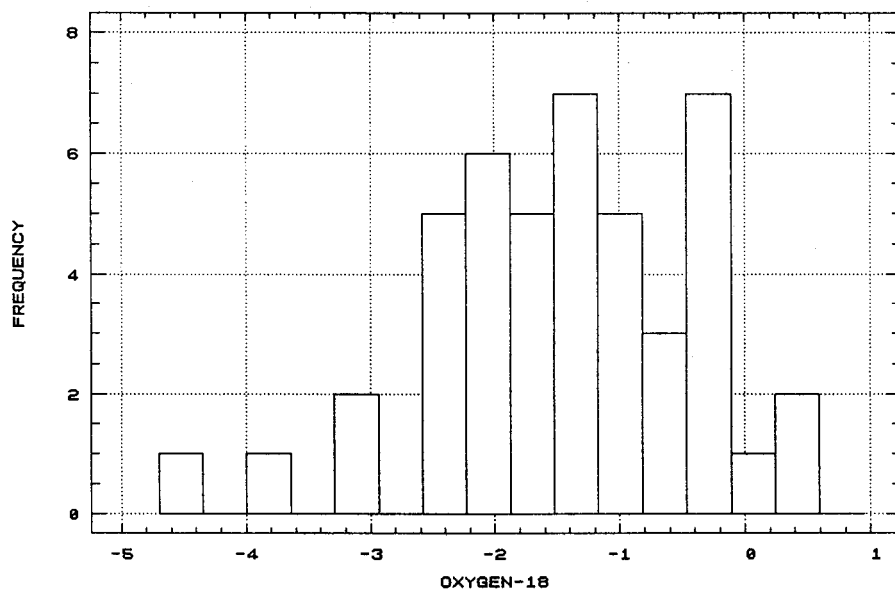
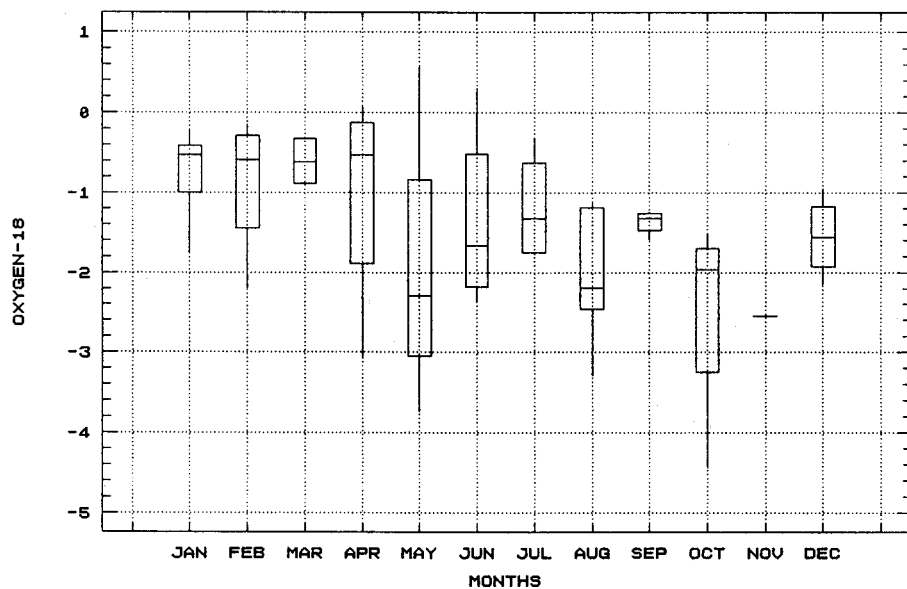
CORRELATIONS

	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	242	0.78	0.02	-0.58	0.04	0.870	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	20	0.87	0.05	-0.79	0.11	0.950	0.12
3) Monthly Deut vs. Monthly Precipitation	18	-0.06	0.02	4.59	2.91	0.317	5.50
4) Monthly Oxyg-18 vs. Monthly Prec	45	-0.00	0.00	-0.74	0.19	0.376	0.84
5) Monthly Deut vs. Monthly Temperature	18	-2.21	1.19	55.69	31.33	0.178	6.04
6) Monthly Oxyg-18 vs. Monthly Temp	45	-0.16	0.12	2.75	3.21	0.038	1.05
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	18	6.76	1.29	8.14	2.25	0.631	4.05
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	18	8.51	1.22	10.90	2.32	0.631	4.05

7852600 SAN JUAN, PUERTO RICO, USA

Lat. 18.43N Long. 66.00W Alt. 4 m a.s.l.





7866300 SAN SALVADOR (ILOPANGO), EL SALVADOR

Lat. 13.70N Long. 89.12W Alt. 615 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1968	1818 (12)	22.0 (75.0/4)	24.3	-8.02 (75.0/4)	-7.86	-60.9 (75.0/4)	-58.4	3.3 (75.0/4)	4.6	22.7 (12)	19.8 (12)
1969	1596 (12)	20.0 (75.7/5)	21.3	-10.04 (75.7/5)	-9.80	-67.3 (75.7/5)	-64.6	13.1 (75.7/5)	13.9	23.3 (12)	21.3 (12)
1970	1759 (12)	26.5 (97.9/6)	27.1	-7.45 (77.7/5)	-7.22	-44.8 (77.7/5)	-43.1	14.9 (77.7/5)	14.8	23.2 (12)	20.9 (12)
1971	1721 (12)	19.6 (93.9/6)	19.3	-7.97 (93.9/6)	-7.64					22.8 (12)	20.5 (12)
1972	1543 (12)	14.7 (94.1/7)	13.4	-5.00 (94.1/7)	-5.29	-30.2 (13.4/2)	-35.2	10.8 (13.4/2)	10.0	23.5 (12)	
1973	1347 (12)	10.3 (76.2/7)	9.3	-6.68 (80.5/8)	-6.06	-44.1 (80.5/8)	-38.3	9.3 (80.5/8)	10.2	24.0 (12)	
1974	1802 (12)	9.4 (65.4/6)	10.9	-6.08 (98.6/7)	-5.47	-39.2 (99.7/8)	-28.9	9.1 (98.6/7)	9.7	23.1 (12)	
1975	1552 (12)	9.1 (98.3/7)	9.5	-7.27 (98.3/7)	-6.45	-48.2 (98.3/7)	-42.1	10.0 (98.3/7)	9.6	22.9 (12)	
1976	1745 (12)	8.1 (99.8/8)	8.4	-6.15 (99.8/8)	-5.33	-39.9 (99.8/8)	-32.5	9.3 (99.8/8)	10.2	22.8 (12)	
1977	1625 (12)	9.6 (99.3/8)	9.3	-5.76 (99.3/8)	-5.01					23.2 (12)	
1978	1808 (12)	10.1 (99.2/8)	9.5	-5.72 (99.2/8)	-5.37	-39.6 (99.2/8)	-37.2	6.2 (99.2/8)	5.9	23.2 (12)	
1979	1664 (12)	5.5 (98.6/7)	5.7	-7.49 (98.6/7)	-7.19	-50.5 (98.6/7)	-47.6	9.5 (98.6/7)	9.9	23.4 (12)	
1980	2142 (12)	5.9 (97.4/6)	5.9	-5.91 (80.4/5)	-5.91	-37.1 (80.4/5)	-36.8	10.2 (80.4/5)	10.6	23.5 (12)	
1981	474 (6)	4.9 (14.1/3)	4.5	-3.95 (14.1/3)	-3.17						
1983	1496 (6)			-6.39 (95.9/6)	-5.88	-40.9 (95.9/6)	-35.8	10.3 (95.9/6)	11.3		
1984	956 (3)			-6.42 (63.3/4)	-6.38	-55.9 (18.7/1)	-55.9	9.3 (18.7/1)	9.3		
Long Term Means 1509				-6.77	-6.46	-45.8	-42.3	9.5	10.1	23.2	20.6
σ				1.30	1.34	9.7	10.8	3.0	2.9	0.3	0.6

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	7	14										22.1	0.5	14	16.2	2.8	5
Feb	0	14										22.6	0.8	14	16.1	2.5	5
Mar	12	14	-1.61	2.28	3	-7.4	35.7	2	7.0	7.5	2	23.9	0.6	14	18.3	2.4	5
Apr	35	15	-3.42	2.25	6	-17.3	22.6	5	10.1	3.3	4	24.5	0.6	14	18.6	3.6	5
May	134	15	-6.04	1.86	14	-37.4	12.7	9	12.6	3.4	9	24.2	0.4	15	21.3	2.7	6
Jun	286	15	-7.35	2.45	13	-51.7	20.3	9	9.5	3.2	9	23.4	0.5	15	21.9	3.0	6
Jul	282	14	-5.77	1.24	15	-39.3	9.1	12	9.1	3.2	12	23.4	0.5	14	22.1	2.5	5
Aug	335	14	-6.39	2.48	14	-44.5	21.1	10	9.5	2.6	10	23.2	0.4	14	22.3	2.6	5
Sep	326	14	-7.25	3.06	13	-48.3	20.9	10	8.7	4.5	10	23.5	2.8	14	22.4	2.6	5
Oct	232	14	-7.18	2.03	13	-49.4	17.5	11	10.0	4.6	11	22.9	0.4	14	20.7	2.6	5
Nov	34	14	-6.13	2.02	5	-35.4	17.2	4	9.9	1.6	4	22.5	0.6	14	18.1	1.4	5
Dec	9	14	-3.44	1.74	2	-13.5	20.7	2	14.1	6.7	2	22.0	0.7	14	17.0	1.2	5

CORRELATIONS

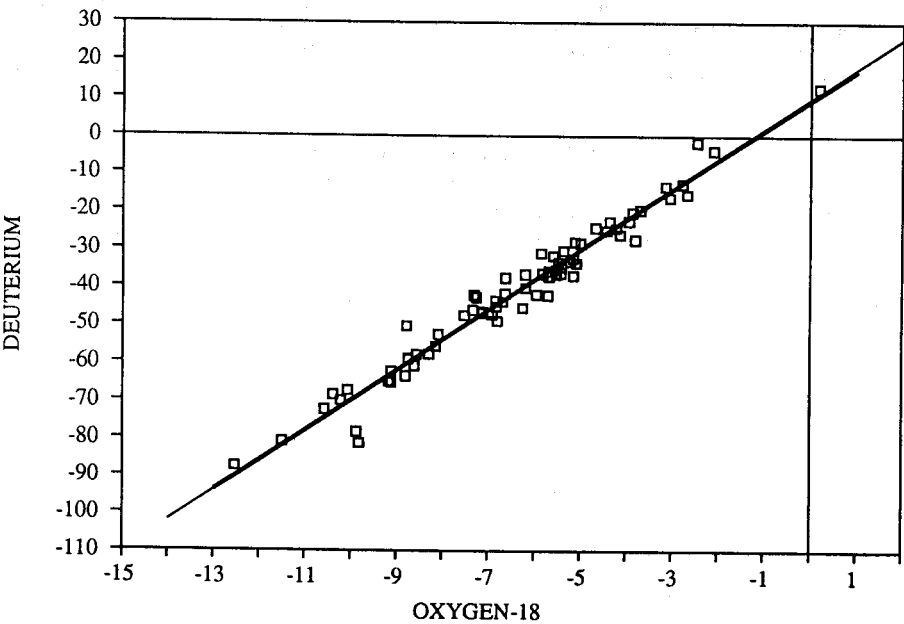
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	88	0.65	0.06	-0.32	0.12	0.584	0.16
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	0.84	0.11	-0.68	0.24	0.845	0.09
3) Monthly Deut vs. Monthly Precipitation	74	-0.06	0.02	-25.78	4.26	0.186	18.25
4) Monthly Oxyg-18 vs. Monthly Prec	98	-0.01	0.00	-4.47	0.48	0.148	2.31
5) Monthly Deut vs. Monthly Temperature	72	2.13	1.71	-90.22	40.04	0.022	20.02
6) Monthly Oxyg-18 vs. Monthly Temp	95	0.39	0.20	-15.30	4.75	0.038	2.47
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	73	7.95	0.18	9.55	1.25	0.964	3.72
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	73	8.09	0.18	10.50	1.31	0.964	3.72

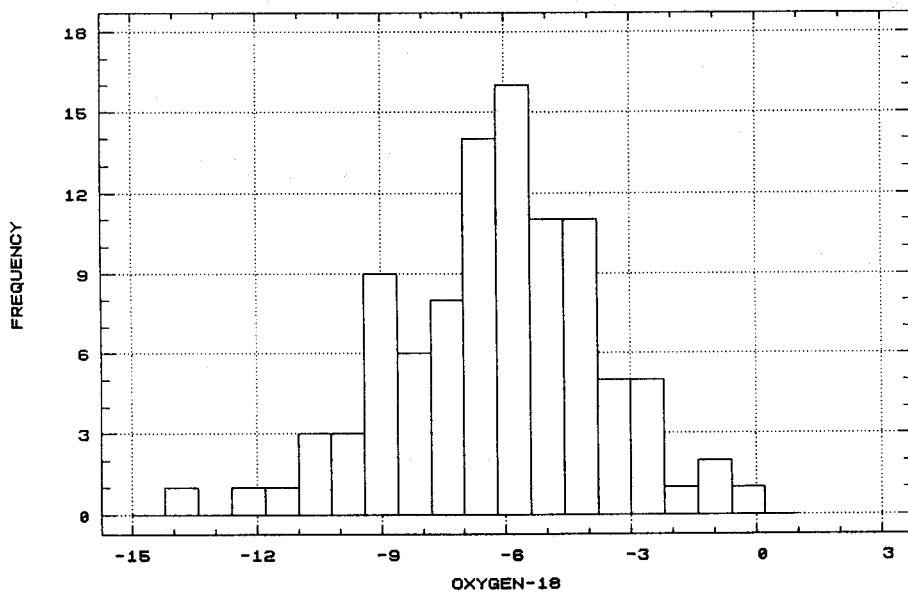
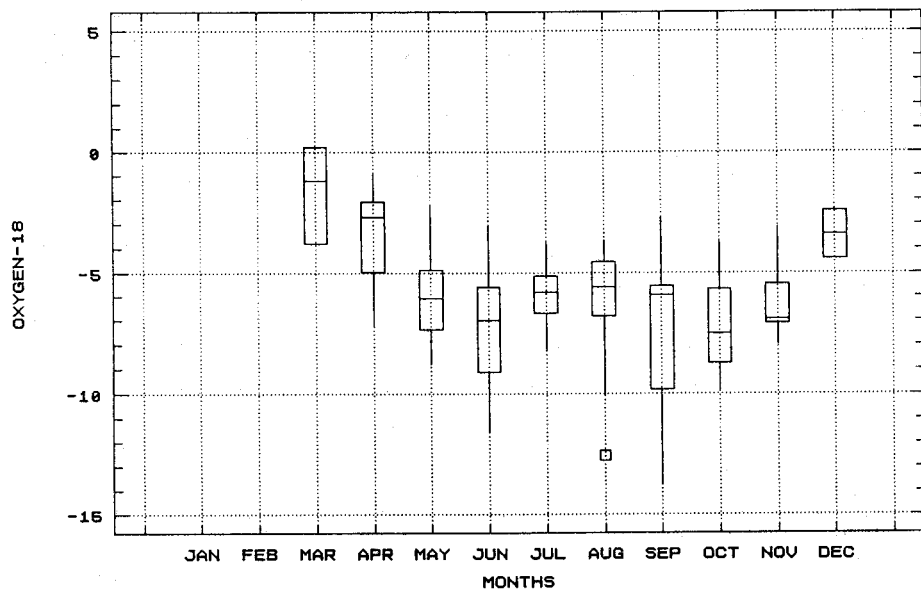
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
80 / 6	-12.40	-40.1		

7866300 SAN SALVADOR (ILOPANGO), EL SALVADOR

Lat. 13.70N Long. 89.12W Alt. 615 m a.s.l.





7880600 HOWARD AFB, PANAMA (CANAL ZONE), USA

Lat. 8.92N Long. 79.60W Alt. 13 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1968	1701 (12)	13.0 (5.8/1)	13.0	-3.41 (49.2/5)	-3.49	-16.8 (49.2/5)	-18.3	10.6 (49.2/5)	9.7	26.9 (12)	29.0 (12)
1969	1554 (12)	14.2 (100.0/12)	24.7	-6.66 (100.0/12)	-4.76	-41.8 (100.0/12)	-27.4	11.5 (100.0/12)	10.8	26.4 (12)	28.5 (12)
1970	2028 (12)	15.3 (100.0/12)	15.2	-6.91 (84.0/9)	-5.85	-43.9 (100.0/12)	-33.9	11.4 (84.0/9)	10.4	27.0 (12)	30.8 (12)
1971	1876 (12)	13.9 (78.0/7)	13.9	-4.12 (59.4/8)	-2.80					26.9 (12)	28.7 (12)
1972	2142 (12)	13.2 (100.0/12)	12.8	-5.60 (87.0/10)	-4.19					26.9 (12)	30.1 (12)
1973	2220 (12)	10.3 (54.1/7)	12.0	-8.09 (99.9/10)	-6.63	-55.6 (99.9/10)	-44.4	9.2 (99.9/10)	8.8	27.4 (12)	29.3 (12)
1974	1137 (12)	11.0 (86.2/9)	10.5	-3.93 (97.6/10)	-3.50	-22.0 (97.6/10)	-18.7	9.5 (97.6/10)	9.4	27.5 (12)	28.4 (12)
1975	1029 (12)	5.3 (100.0/11)	7.2	-5.60 (100.0/11)	-4.02	-32.3 (100.0/11)	-23.1	12.6 (100.0/11)	9.2	27.0 (12)	27.8 (12)
1976	1281 (12)	6.4 (100.0/10)	6.8	-3.39 (100.0/10)	-2.10	-17.7 (100.0/10)	-9.8	9.5 (100.0/10)	7.1	26.8 (12)	27.9 (12)
1977	1383 (12)	7.6 (86.0/7)	7.5	-4.73 (54.0/7)	-2.93	-31.2 (83.8/9)	-17.5	9.8 (54.0/7)	8.1	27.1 (12)	28.2 (12)
1978	2064 (12)	6.6 (97.1/10)	6.8	-7.14 (83.7/7)	-6.80	-50.0 (83.7/7)	-47.4	7.1 (83.7/7)	7.0	26.5 (12)	28.2 (12)
1979	1684 (12)	5.1 (91.5/8)	5.0	-4.99 (89.3/8)	-4.89	-34.3 (89.3/8)	-34.0	5.7 (89.3/8)	5.2	27.2 (12)	27.6 (12)
1980	1255 (11)	4.7 (56.2/7)	4.6	-6.55 (71.7/8)	-6.22	-38.7 (13.4/1)	-38.7	7.4 (13.4/1)	7.4		
1981	2465 (11)	4.6 (100.0/10)	4.5	-6.77 (32.6/2)	-6.30	-44.1 (100.0/7)	-42.7				
1982	479 (5)	4.1 (29.4/5)	4.1	-2.27 (4.7/1)	-2.27	-11.2 (4.7/1)	-11.2	7.0 (4.7/1)	7.0		
1983	1710 (11)	3.9 (100.0/9)	3.9	-4.67 (100.0/9)	-4.42	-29.0 (100.0/9)	-27.1	8.4 (100.0/9)	8.4		
1984		4.0 (100.0/12)	3.8	-5.20 (100.0/12)	-3.89	-32.3 (100.0/12)	-21.7	9.3 (100.0/12)	9.5		
1985		3.4 (93.3/8)	3.4	-4.98 (86.2/8)	-4.24	-31.0 (86.2/8)	-25.7	8.9 (86.2/8)	8.3		
1986		3.8 (100.0/11)	3.8	-5.13 (100.0/11)	-4.10	-34.2 (100.0/11)	-28.1	6.9 (100.0/11)	4.7		
1987		3.3 (99.4/9)	3.3	-4.55 (80.8/7)	-4.46	-31.0 (80.8/7)	-30.3	5.5 (80.8/7)	5.5		
Long Term Means 1626											
				-5.65	-4.56	-37.0	-28.8	8.8	8.0	27.0	28.7
σ				1.31	1.22	10.2	10.4	2.2	1.9	0.3	0.9

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	62	15	-0.74	2.12	12	0.9	14.2	10	3.6	6.6	10	26.6	0.8	14	26.4	1.4	14
Feb	8	14	0.17	0.73	7	8.2	7.9	6	5.9	7.5	5	27.1	1.0	14	26.0	1.6	14
Mar	18	15	-0.26	0.44	6	5.9	3.4	5	7.5	1.9	5	28.0	0.9	15	26.6	1.6	15
Apr	99	16	-2.87	2.66	12	-18.2	22.1	10	8.6	1.6	9	27.9	1.1	13	27.7	2.2	13
May	177	16	-5.11	2.05	17	-32.9	17.7	14	8.3	2.8	14	27.5	0.9	13	30.2	1.7	13
Jun	202	15	-7.34	2.78	16	-46.3	20.3	13	8.8	3.0	13	27.2	0.9	13	30.1	3.3	13
Jul	169	16	-4.86	2.19	17	-33.8	15.6	15	8.0	6.2	14	27.1	0.5	13	29.7	1.4	13
Aug	185	15	-5.53	2.52	15	-37.5	20.0	15	8.0	2.7	13	26.5	0.7	13	29.2	1.6	13
Sep	174	15	-6.88	2.19	15	-44.6	21.0	16	9.0	2.8	13	26.2	0.6	13	29.3	1.5	13
Oct	250	15	-6.23	2.43	17	-40.0	19.0	16	10.3	3.5	15	26.5	0.4	13	29.3	1.3	13
Nov	228	15	-4.35	2.48	16	-24.0	19.0	15	9.4	2.8	14	26.4	0.5	13	29.6	1.5	13
Dec	132	15	-2.25	2.30	15	-13.4	17.1	15	7.4	4.7	13	26.9	0.8	13	28.5	1.9	13

CORRELATIONS

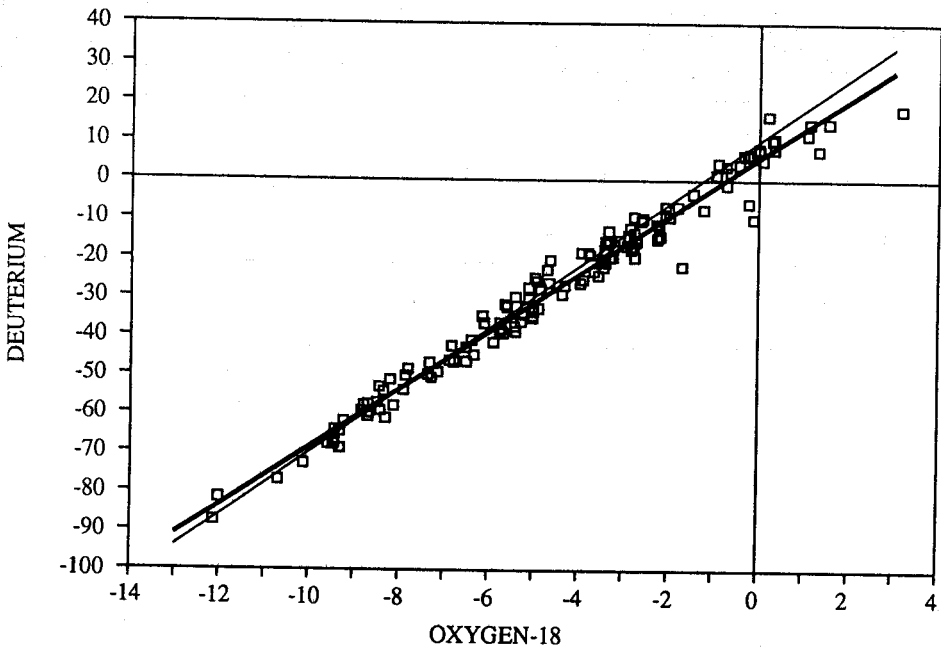
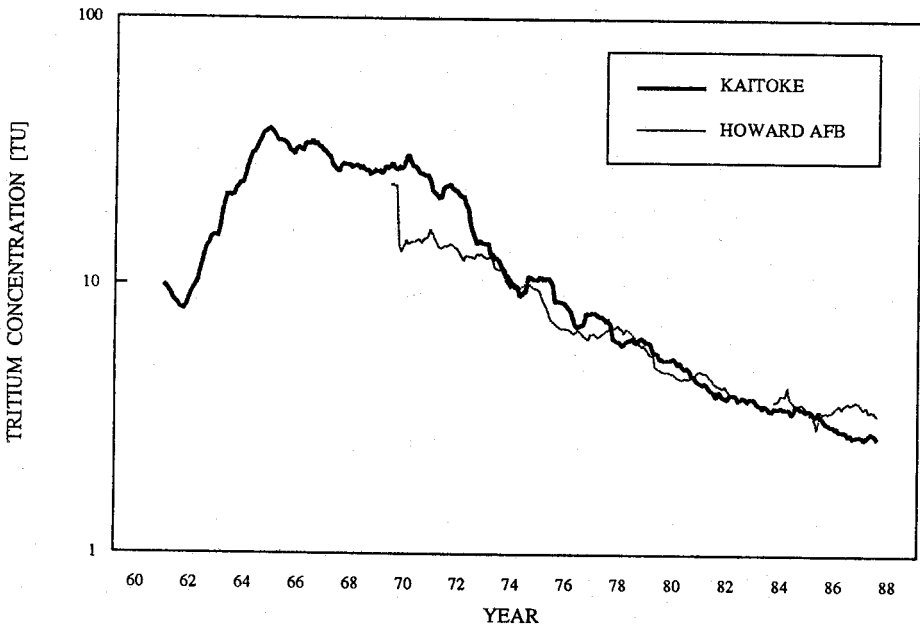
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	175	0.70	0.08	0.20	0.07	0.308	0.38
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	16	0.63	0.06	0.27	0.05	0.899	0.08
3) Monthly Deut vs. Monthly Precipitation	150	-0.15	0.02	-3.31	3.07	0.364	19.16
4) Monthly Oxyg-18 vs. Monthly Prec	165	-0.02	0.00	-1.25	0.38	0.362	2.53
5) Monthly Deut vs. Monthly Temperature	97	4.36	2.56	-144.74	68.98	0.030	24.93
6) Monthly Oxyg-18 vs. Monthly Temp	116	0.58	0.33	-19.96	8.84	0.026	3.26
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	138	7.43	0.10	5.64	0.55	0.975	3.78
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	138	7.52	0.10	6.06	0.64	0.975	3.78

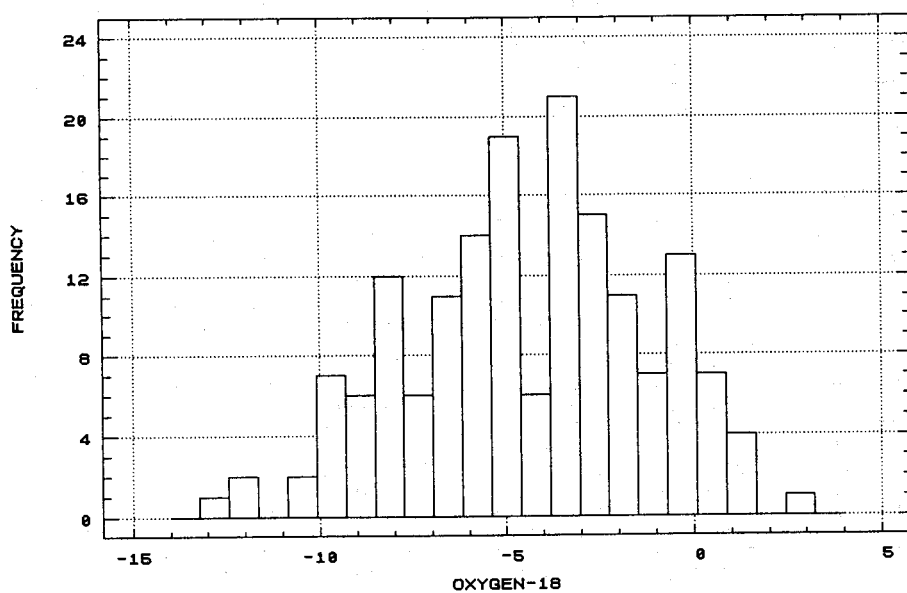
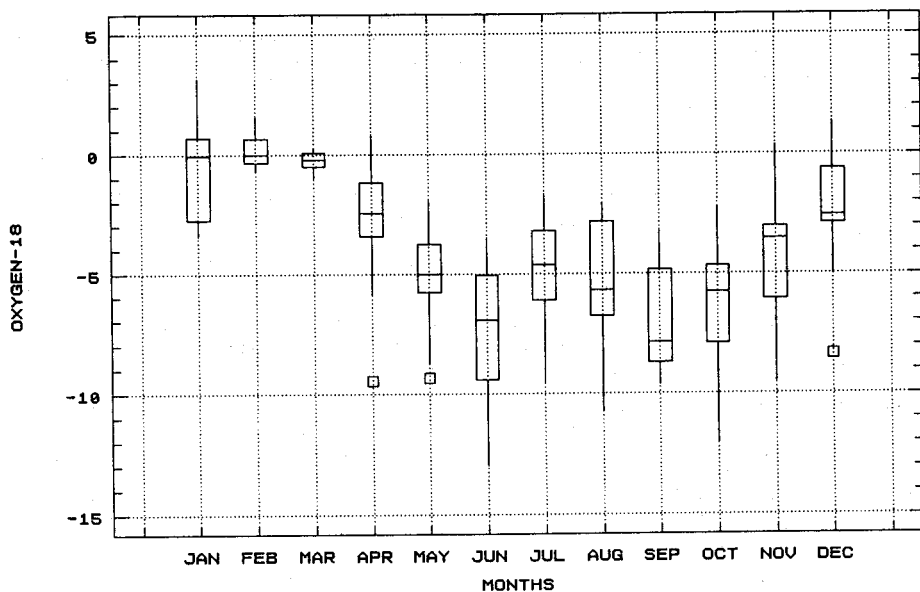
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
74 / 11		389.00	16.0	
74 / 12		31.70	1.6	

7880600 HOWARD AFB, PANAMA (CANAL ZONE), USA

Lat. 8.92N Long. 79.60W Alt. 13 m a.s.l.





7895400 BARBADOS (SEAWELL AIRPORT), BARBADOS

Lat. 13.07N Long. 59.48W Alt. 50 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W.	Aver.	W.	Aver.	W.	Aver.	W.	Aver.		
1959	850 (12)	12.9	13.1 (75.2/7)							26.9 (12)	26.1 (12)
1960	750 (12)									26.7 (12)	26.2 (12)
1961	1100 (12)			-1.03 (96.3/11)	-0.44	-8.5 (96.3/11)	-2.3	-0.2 (96.3/11)	1.2	26.6 (12)	26.4 (12)
1962	1053 (12)			-1.84 (88.6/11)	-0.90	-6.3 (88.6/11)	0.7	8.5 (88.6/11)	7.8	26.4 (12)	26.4 (12)
1963	1360 (12)									26.7 (12)	26.8 (12)
1964	993 (12)	95.4 (96.9/10)	88.3	-2.26 (100.0/12)	-1.65	-8.9 (100.0/12)	-3.8	9.2 (100.0/12)	9.4	26.3 (12)	26.2 (12)
1965	1066 (12)	36.4 (92.7/10)	36.0	-2.07 (81.0/10)	-1.78	-4.5 (100.0/12)	-1.9	12.3 (81.0/10)	12.4	26.4 (12)	26.4 (12)
1966	1829 (12)	32.4 (97.6/11)	32.9	-1.91 (7.5/2)	-1.70					26.3 (12)	27.3 (12)
1967	1089 (12)	20.6 (100.0/12)	21.5							26.2 (12)	25.8 (12)
1968	716 (12)	20.3 (100.0/12)	20.7							26.3 (12)	26.0 (12)
1969	1364 (12)	15.6 (94.8/11)	17.1							26.9 (12)	27.3 (12)
1970	1395 (12)	14.1 (74.3/10)	14.6							26.7 (12)	27.3 (12)
1971	1753 (12)	12.7 (94.4/11)	12.3							26.6 (12)	26.7 (12)
1972	898 (12)	10.6 (100.0/12)	11.2	-1.04 (32.5/3)	-1.14	-3.4 (32.5/3)	-4.5	4.9 (32.5/3)	4.7	26.9 (12)	27.5 (12)
1973	2224 (12)	8.0 (82.6/9)	8.1	1.41 (100.0/12)	-0.40	11.2 (100.0/12)	1.6	-0.1 (100.0/12)	4.8	26.8 (12)	26.9 (12)
1974	2827 (12)	7.2 (71.4/9)	7.4	0.50 (87.1/10)	-0.31	10.0 (72.9/10)	2.9	3.4 (71.8/9)	4.9	26.6 (12)	26.2 (12)
1975	1410 (12)	7.7 (80.5/10)	7.2	-2.42 (80.5/10)	-0.14	-10.6 (80.5/10)	4.4	8.8 (80.5/10)	5.5	26.5 (12)	26.3 (12)
1976	870 (12)	4.4 (93.5/11)	4.8	-1.68 (100.0/12)	-1.05	-5.1 (100.0/12)	-0.3	8.4 (100.0/12)	8.2	26.4 (12)	26.6 (12)
1977	999 (12)	5.3 (100.0/12)	5.4	-1.09 (100.0/12)	0.06					27.0 (12)	27.3 (12)
1978	1034 (12)	4.9 (85.3/9)	5.2	-1.26 (88.5/10)	-0.64	-0.2 (88.5/10)	6.0	10.0 (88.5/10)	11.1	27.2 (12)	28.2 (12)
1979	1182 (12)	5.4 (52.0/8)	4.8	-1.92 (52.0/8)	-0.86	-6.4 (52.0/8)	2.2	9.1 (52.0/8)	9.1	27.2 (12)	28.1 (12)
1980	1133 (12)	3.0 (29.8/3)	2.9	-1.04 (29.8/3)	-0.98	1.5 (29.8/3)	2.6	9.8 (29.8/3)	10.4	26.9 (12)	28.1 (12)
1981	1652 (12)	4.6 (96.1/11)	4.2			-1.9 (100.0/12)	1.3			26.8 (12)	28.0 (12)
1982	1041 (12)	2.9 (84.0/10)	3.0	-1.51 (58.5/7)	-0.94	-3.6 (84.0/10)	-0.1	10.7 (58.5/7)	10.7	26.6 (12)	27.2 (12)
1983	965 (12)	3.2 (88.2/9)	2.9	-1.97 (80.3/9)	-2.02	-6.8 (80.3/9)	-6.5	9.0 (80.3/9)	9.8	26.6 (12)	27.6 (12)
1984	1456 (12)	2.9 (100.0/12)	2.5	-2.19 (100.0/12)	-1.61	-7.6 (91.4/11)	-1.4	10.8 (91.4/11)	12.0	26.3 (12)	26.1 (12)
1985	1318 (12)	2.1 (89.2/11)	2.3	-1.98 (89.2/11)	-1.18	-5.7 (89.2/11)	1.0	10.2 (89.2/11)	10.4	26.3 (12)	26.7 (12)
1986	1000 (11)	2.0 (79.5/11)	2.0	-1.65 (79.5/11)	-1.20	-5.9 (79.5/11)	-1.1	7.4 (79.5/11)	8.5		

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1987	1118 (11)	2.0 (88.9/11)	1.9	-2.55 (88.0/10)	-2.14	-12.5 (88.0/10)	-9.6	8.0 (88.0/10)	7.6		
Long Term Means 1257											
				-1.14	-1.03	-4.0	-0.9	7.2	8.4	26.6	26.9
σ				1.15	0.70	5.6	3.8	3.8	3.1	0.2	0.7

MONTHLY MEANS

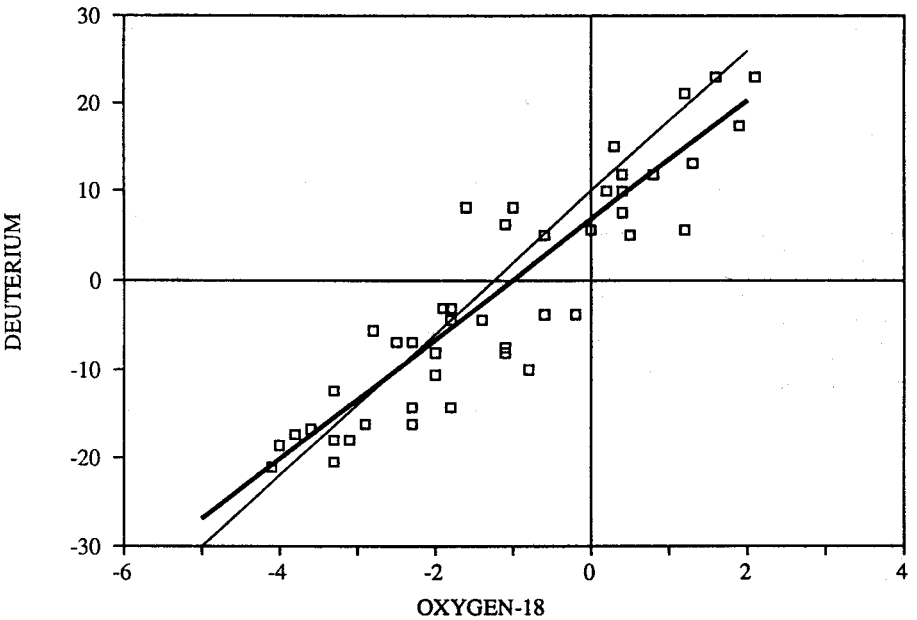
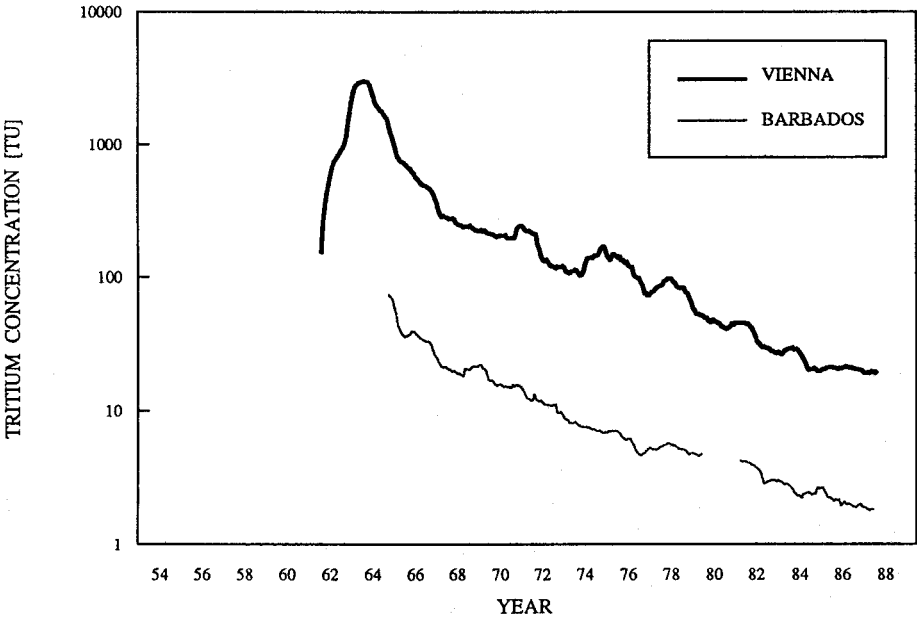
Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	<i>n</i>		Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	79	29	0.48	1.58	15	12.3	8.4	13	6.5	6.3	12	25.4	0.5	28	24.5	0.9	28
Feb	61	29	1.00	1.69	16	16.1	7.4	15	6.3	7.3	14	25.3	0.5	28	24.0	1.2	28
Mar	69	29	0.33	1.77	17	10.6	9.4	17	8.9	6.3	16	25.8	0.5	28	24.5	1.1	28
Apr	71	28	-0.37	1.51	15	6.0	12.5	16	10.9	2.6	14	26.3	0.4	27	25.6	1.2	27
May	76	29	-0.08	1.90	14	6.7	11.1	15	7.8	5.9	13	27.2	0.5	27	26.9	1.3	27
Jun	104	29	-1.98	1.06	16	-8.9	7.7	15	7.5	3.6	14	27.4	0.3	27	28.0	1.0	27
Jul	129	29	-2.20	1.68	13	-8.9	11.8	15	7.2	4.6	12	27.2	0.4	27	28.3	0.8	27
Aug	145	28	-1.56	1.12	15	-7.0	4.2	15	7.5	3.5	14	27.3	0.3	27	28.7	0.9	27
Sep	127	29	-2.09	0.98	15	-9.3	6.9	16	7.5	3.2	14	27.3	0.4	27	28.7	0.6	27
Oct	167	29	-2.59	1.09	18	-11.5	6.9	19	8.3	3.8	17	27.1	0.4	28	29.0	1.2	28
Nov	138	29	-1.96	0.97	16	-7.0	7.2	16	9.9	4.3	15	26.7	0.5	28	27.8	1.1	28
Dec	97	29	-1.06	1.14	16	-0.8	6.3	16	9.1	4.7	15	25.9	0.6	28	25.9	1.1	28

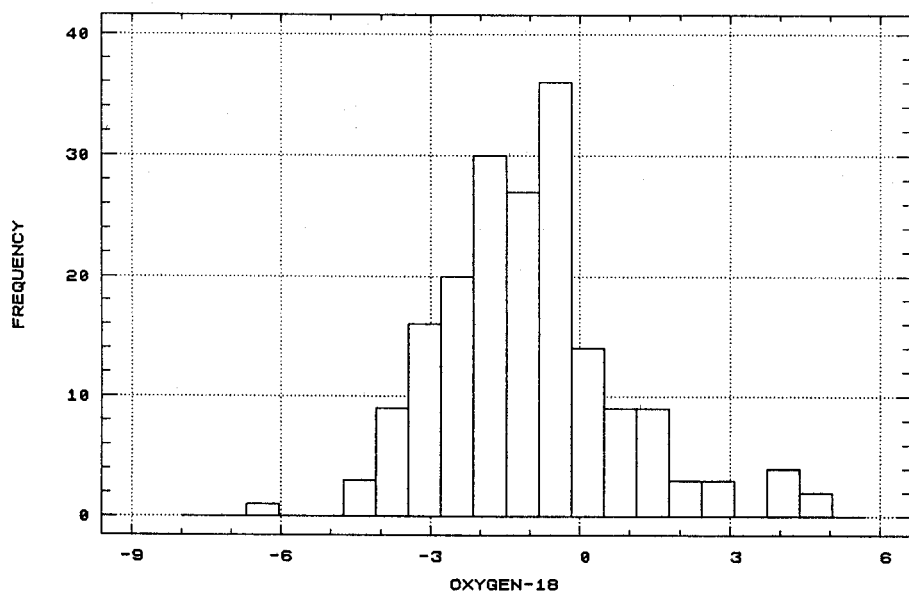
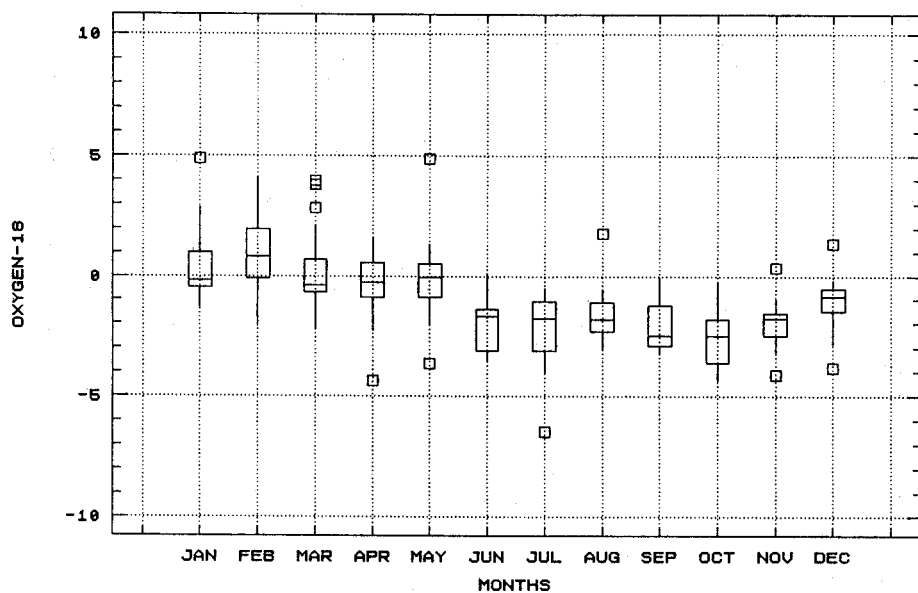
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	233	0.79	0.02	-0.69	0.04	0.865	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	19	0.83	0.04	-0.81	0.09	0.963	0.09
3) Monthly Deut vs. Monthly Precipitation	188	-0.03	0.01	2.41	1.40	0.037	12.41
4) Monthly Oxyg-18 vs. Monthly Prec	186	-0.00	0.00	-0.80	0.20	0.011	1.80
5) Monthly Deut vs. Monthly Temperature	173	-7.14	0.95	189.81	25.26	0.248	11.03
6) Monthly Oxyg-18 vs. Monthly Temp	171	-0.79	0.14	19.89	3.75	0.154	1.69
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	170	6.74	0.18	6.82	0.39	0.888	4.32
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	170	7.15	0.18	7.26	0.51	0.888	4.32

7895400 BARBADOS (SEAWELL AIRPORT), BARBADOS

Lat. 13.07N Long. 59.48W Alt. 50 m a.s.l.





8002800 BARRANQUILLA, COLOMBIA

Lat. 10.88N Long. 74.78W Alt. 14 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1971	652 (12)	16.5 (73.4/4)	17.4	-5.10 (50.1/4)	-4.61					27.3 (12)	28.4 (12)
1972	413 (12)	11.7 (67.5/5)	12.1	-2.38 (19.6/2)	-2.35	-13.0 (9.6/1)	-13.0	-10.6 (9.6/1)	-10.6	27.7 (12)	29.3 (12)
1973	1139 (12)	9.6 (85.0/7)	9.7	-6.73 (85.0/7)	-6.05	-45.0 (85.0/7)	-40.0	8.8 (85.0/7)	8.4	27.4 (12)	29.3 (12)
1974	453 (12)	10.7 (61.5/5)	11.4	-5.17 (64.0/7)	-3.40	-32.5 (64.0/7)	-22.4	8.9 (64.0/7)	4.8	26.9 (12)	28.3 (12)
1975	670 (12)	8.5 (90.0/7)	9.5	-5.07 (100.0/8)	-4.33	-31.8 (100.0/8)	-26.8	8.8 (100.0/8)	7.9	26.8 (12)	27.9 (12)
1976	535 (12)	7.3 (100.0/7)	8.1	-4.73 (100.0/7)	-3.78	-27.7 (100.0/7)	-21.6	10.1 (100.0/7)	8.7	27.2 (12)	28.0 (12)
1977	823 (12)	8.8 (99.8/7)	8.7	-4.43 (96.3/6)	-4.45	-18.9 (21.2/3)	-6.2	10.2 (17.7/2)	9.2	27.7 (12)	28.1 (12)
1978	1055 (12)									27.5 (12)	29.2 (12)
1979	970 (12)	6.6 (60.2/4)	6.5	-4.31 (41.5/3)	-3.89	-28.7 (41.5/3)	-25.7	5.8 (41.5/3)	5.4	27.7 (12)	29.1 (12)
1980	676 (12)	6.6 (98.9/7)	6.2	-3.95 (78.6/6)	-4.32	-27.9 (78.6/6)	-30.8	3.8 (78.6/6)	3.8		
1981	1127 (9)	5.2 (100.0/9)	4.5	-5.52 (77.6/4)	-5.12	-37.0 (100.0/5)	-34.4	7.9 (77.6/4)	7.8		
1982	639 (12)	2.5 (97.6/7)	2.9	-5.19 (43.9/2)	-5.17	-35.4 (43.9/2)	-35.3	6.2 (43.9/2)	6.1	27.4 (12)	29.3 (12)
1983	514 (12)	2.9 (77.6/7)	3.5	-6.06 (32.8/5)	-7.86	-41.0 (32.8/5)	-56.2	7.6 (32.8/5)	6.7	28.0 (12)	30.8 (12)
1984	1306 (12)	3.8 (100.0/8)	4.0	-5.06 (81.1/4)	-5.22	-31.5 (73.5/3)	-32.4	8.8 (73.5/3)	9.2	27.0 (12)	29.1 (12)
1985	899 (12)	3.7 (100.0/9)	3.6	-4.25 (93.2/8)	-3.95	-26.4 (93.2/8)	-23.7	7.7 (93.2/8)	8.0	27.0 (12)	28.5 (12)
1986	563 (12)	3.1 (79.3/4)	3.3	-5.51 (95.2/7)	-4.17	-36.3 (95.2/7)	-27.9	7.8 (95.2/7)	5.5	27.5 (12)	29.4 (12)
1987	441 (3)	2.9 (59.2/3)	2.8	-3.27 (59.3/5)	-1.50	-25.1 (59.3/5)	-12.3	1.1 (59.3/5)	-0.3		
Long Term											
Means 743				-5.09	-4.60	-33.9	-29.3	8.0	7.2	27.4	28.9
σ				0.84	0.72	6.8	6.3	2.0	1.8	0.3	0.7

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	0	16	1.06		1	3.4		1	-5.1		1	26.5	0.6	15	26.6	1.1	15
Feb	1	16	-6.11	15.07	2	-48.1	111.4	2	0.8	9.1	2	26.6	0.5	16	26.6	1.0	16
Mar	1	16										26.9	0.6	16	27.2	1.2	16
Apr	26	17	-3.81	5.05	8	-26.2	40.7	7	3.6	5.7	7	27.5	0.5	17	29.0	2.1	17
May	104	17	-3.65	1.78	9	-22.6	17.7	8	5.6	3.5	8	28.1	0.5	17	30.1	0.9	17
Jun	92	17	-3.77	2.11	9	-21.7	16.3	7	5.3	4.2	7	28.0	0.6	17	30.3	1.1	17
Jul	57	16	-3.59	1.23	10	-17.9	19.5	10	6.0	2.5	9	27.9	0.4	16	30.0	1.3	16
Aug	130	16	-4.25	1.96	13	-29.8	14.0	11	4.2	5.9	11	27.8	0.4	16	30.1	0.8	16
Sep	139	16	-4.88	1.00	13	-30.4	8.6	12	8.5	2.1	12	27.5	0.6	16	30.2	0.7	16
Oct	170	15	-5.88	1.79	9	-38.0	11.7	10	9.1	2.4	9	27.1	0.4	15	30.2	0.5	15
Nov	62	15	-4.87	1.91	9	-29.2	17.6	7	8.8	2.6	7	27.4	0.5	15	29.9	0.6	15
Dec	11	15	-6.90	2.93	2	-47.1	23.2	2	8.0	0.2	2	26.7	0.7	15	27.5	1.1	15

CORRELATIONS

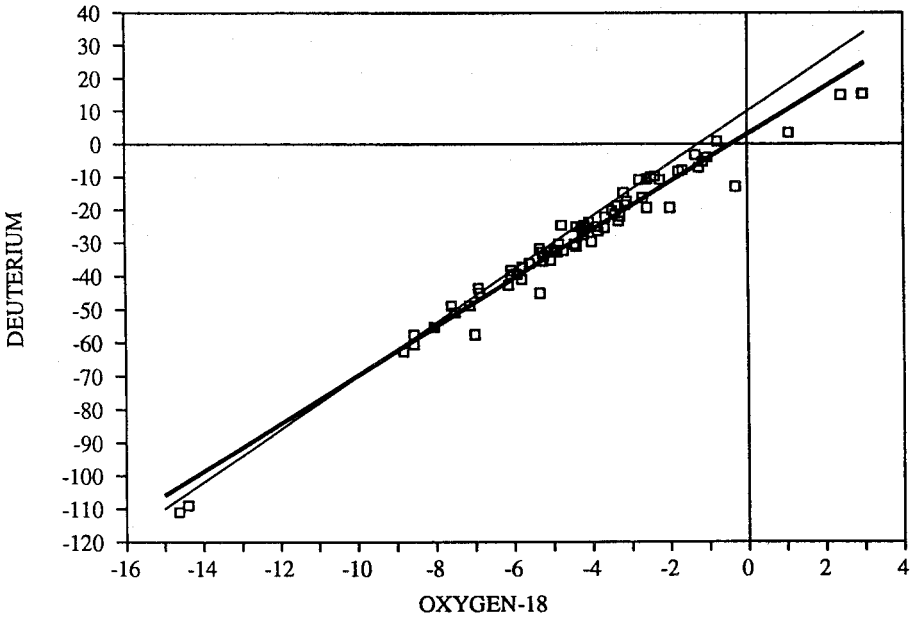
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	94	0.61	0.16	-0.33	0.28	0.141	0.53
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	10	0.62	0.12	-0.35	0.20	0.784	0.11
3) Monthly Deut vs. Monthly Precipitation	77	-0.05	0.03	-23.50	3.50	0.043	21.59
4) Monthly Oxyg-18 vs. Monthly Prec	85	-0.01	0.00	-3.78	0.41	0.048	2.64
5) Monthly Deut vs. Monthly Temperature	74	7.41	4.05	-233.15	11.75	0.044	21.08
6) Monthly Oxyg-18 vs. Monthly Temp	83	0.87	0.43	-28.65	11.75	0.049	2.49
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	75	7.27	0.16	3.03	0.84	0.965	3.94
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	75	7.40	0.16	3.59	0.94	0.965	3.94

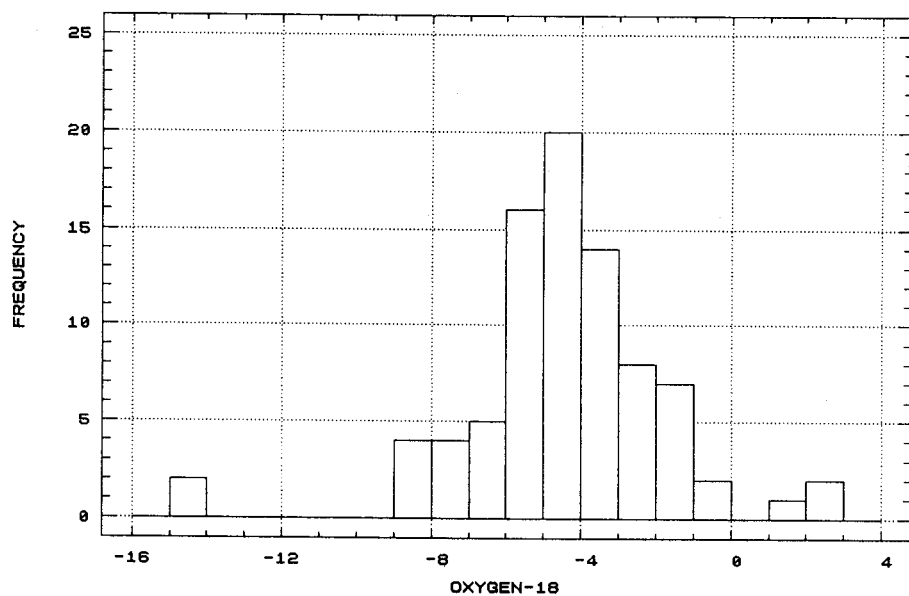
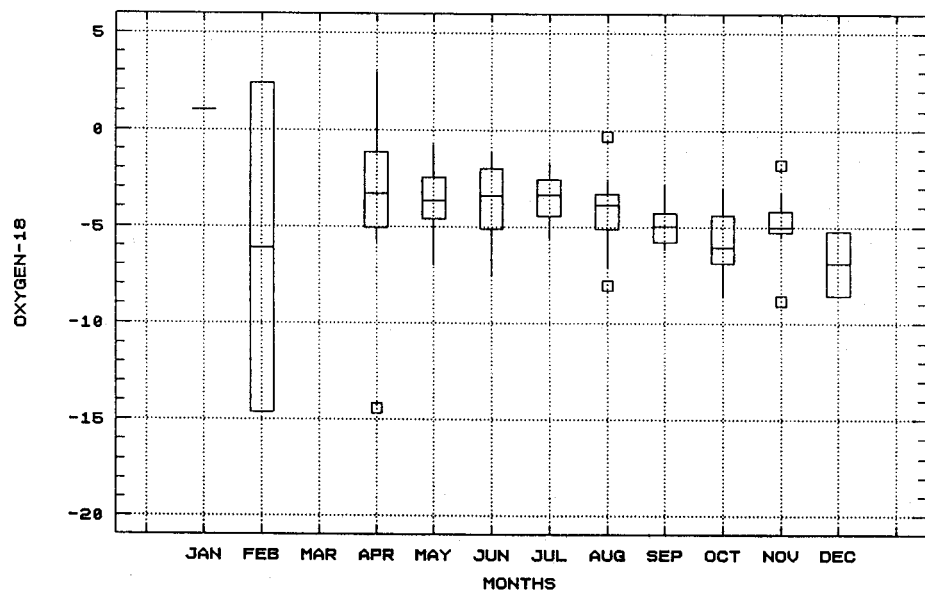
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
72 / 5	2.93	-18.0		
72 / 6	3.89	-5.3		
72 / 9	1.33	-9.7		

8002800 BARRANQUILLA, COLOMBIA

Lat. 10.88N Long. 74.78W Alt. 14 m a.s.l.





8022200 BOGOTA, COLOMBIA

Lat. 4.70N Long. 74.13W Alt. 2547 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1971	984 (12)	21.1 (44.4/6)	21.5	-9.22 (30.2/4)	-8.98					13.2 (12)	12.2 (12)
1972	795 (12)	15.9 (100.0/12)	15.7	-12.09 (44.5/4)	-11.53	-108.7 (7.2/1)	-108.7	9.0 (7.2/1)	9.0	13.1 (12)	11.9 (12)
1973	838 (12)	13.0 (85.0/9)	13.5	-11.17 (73.0/9)	-9.52	-78.8 (73.0/9)	-65.6	10.6 (73.0/9)	10.6	13.2 (12)	11.9 (12)
1974	814 (12)	14.5 (68.1/7)	14.3	-9.84 (48.7/6)	-8.78	-73.5 (48.7/6)	-65.2	5.2 (48.7/6)	5.1	12.8 (12)	11.8 (12)
1975	864 (12)	11.7 (99.3/11)	12.1	-9.27 (99.3/11)	-8.89	-64.8 (99.3/11)	-61.8	9.4 (99.3/11)	9.4	12.8 (12)	12.1 (12)
1976	892 (12)	11.2 (100.0/12)	11.4	-7.21 (100.0/12)	-7.32	-44.9 (100.0/12)	-46.2	12.8 (100.0/12)	12.5	12.9 (12)	11.9 (12)
1977	690 (12)	13.0 (49.5/8)	12.4	-5.95 (34.3/6)	-6.04	-39.6 (34.3/6)	-42.7	8.0 (34.3/6)	5.6	13.4 (12)	12.2 (12)
1978	578 (12)									13.3 (12)	12.0 (12)
1979	808 (12)	9.1 (64.9/6)	9.3	-11.81 (27.3/3)	-11.94	-80.9 (27.3/3)	-81.2	13.6 (27.3/3)	14.4	13.5 (12)	12.3 (12)
1980	567 (12)	7.1 (98.2/11)	6.9	-7.45 (70.0/9)	-7.29	-54.2 (70.0/9)	-51.4	5.5 (70.0/9)	7.0	13.7 (12)	12.2 (12)
1981	779 (9)	6.1 (99.4/10)	6.3	-7.23 (18.3/3)	-7.50	-45.1 (20.3/3)	-47.5	12.6 (7.1/2)	12.6		
1982	658 (12)	5.0 (100.0/12)	6.1	-12.15 (100.0/12)	-8.80	-88.6 (100.0/12)	-63.9	8.6 (100.0/12)	6.5	13.6 (12)	12.4 (12)
1983	850 (12)	4.9 (86.4/11)	5.4							14.0 (12)	12.8 (12)
1984	943 (12)	6.0 (100.0/12)	5.6	-8.20 (96.1/11)	-7.84	-56.8 (96.1/11)	-55.6	8.9 (96.1/11)	7.2	12.9 (12)	12.2 (12)
1985	701 (12)	6.0 (100.0/12)	6.2	-10.93 (100.0/12)	-8.80	-75.1 (100.0/12)	-57.4	12.4 (100.0/12)	13.1	13.0 (12)	11.8 (12)
1986	921 (12)	3.8 (99.5/11)	3.9	-10.25 (100.0/12)	-8.49	-70.6 (100.0/12)	-57.8	11.4 (100.0/12)	10.1	13.3 (12)	12.2 (12)
1987		4.1 (51.3/6)	4.1	-10.21 (51.3/6)	-9.25	-78.6 (51.3/6)	-70.5	3.2 (51.3/6)	3.6		
Long Term											
Means 781				-9.50	-8.35	-65.5	-57.1	10.6	9.8	13.2	12.1
σ				1.82	0.63	15.2	6.1	1.9	2.6	0.3	0.2

MONTHLY MEANS

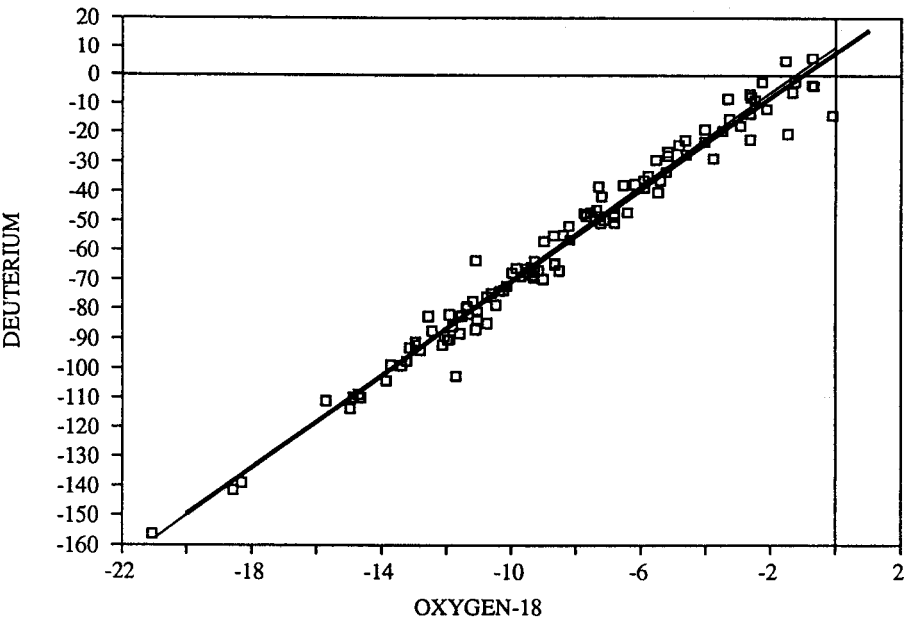
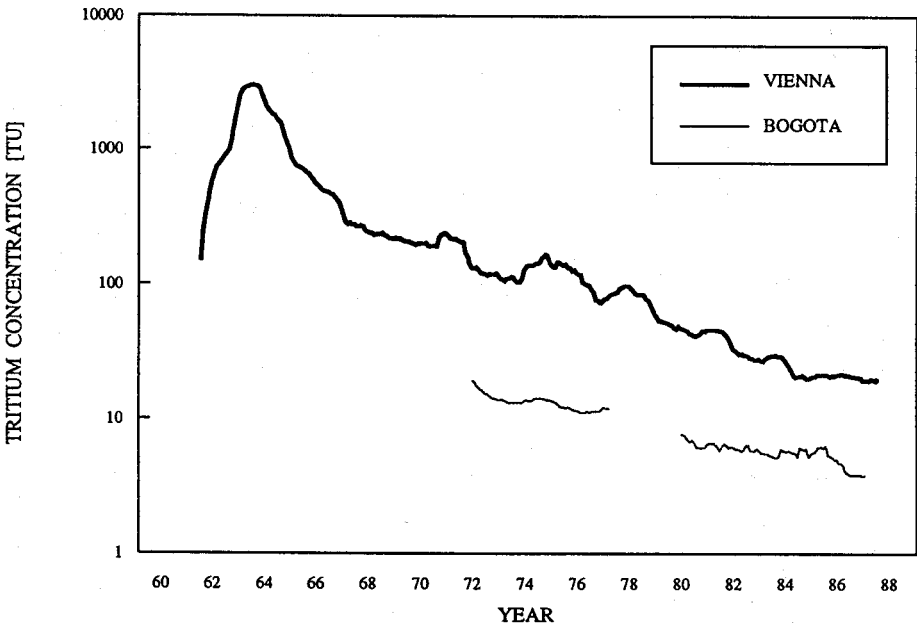
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	35	16	-5.40	3.02	9	-27.8	19.2	8	11.0	6.5	8	12.7	0.5	16	11.4	0.5	16
Feb	42	16	-3.62	2.81	11	-21.6	21.4	11	7.4	7.9	11	12.8	1.0	16	11.6	0.9	16
Mar	65	16	-4.24	3.07	11	-24.3	25.8	11	9.6	4.2	11	13.6	0.6	16	12.4	0.4	16
Apr	105	16	-9.19	5.09	12	-58.6	42.3	11	11.5	3.8	11	13.6	0.4	16	12.9	0.7	16
May	96	16	-11.93	2.20	11	-90.5	17.4	11	4.9	5.0	11	14.2	1.7	16	13.2	1.4	16
Jun	57	16	-11.51	3.54	12	-84.0	29.1	12	8.0	3.9	12	13.3	0.4	16	12.1	0.4	16
Jul	36	16	-9.46	2.57	8	-66.5	19.7	8	9.2	4.4	8	13.0	0.4	16	11.5	0.3	16
Aug	48	16	-9.50	1.59	11	-63.4	12.9	10	11.3	5.8	10	12.9	0.4	16	11.4	0.4	16
Sep	72	16	-10.35	2.45	11	-72.6	21.2	10	10.4	4.0	10	13.0	0.5	16	11.5	0.6	16
Oct	103	15	-10.28	3.25	8	-70.9	24.7	8	10.3	4.5	7	13.1	0.4	15	12.4	0.4	15
Nov	87	15	-10.13	3.86	9	-75.8	33.8	7	9.2	2.9	7	13.2	0.4	15	12.6	0.6	15
Dec	50	15	-5.46	3.72	7	-40.1	26.7	6	4.4	8.1	6	12.9	0.5	15	11.9	0.6	15

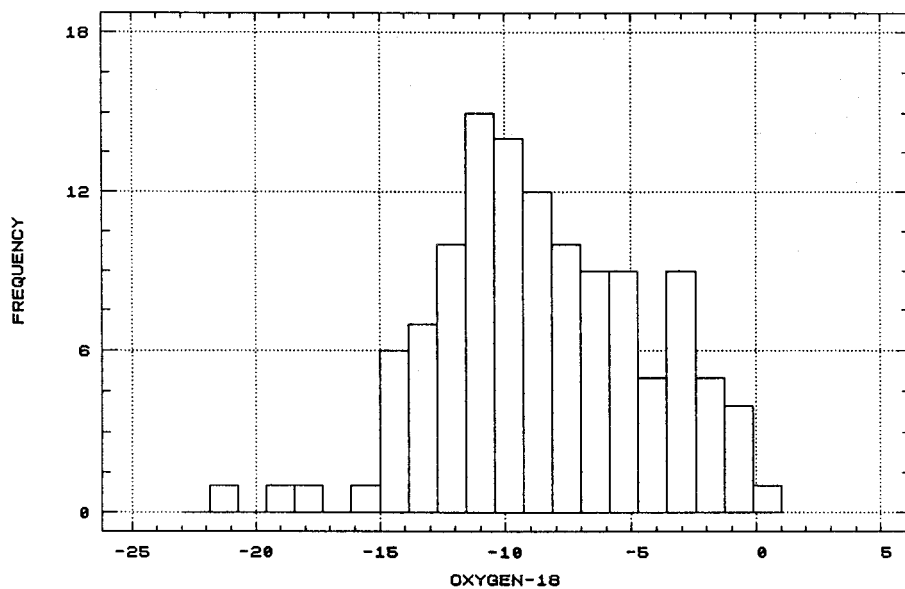
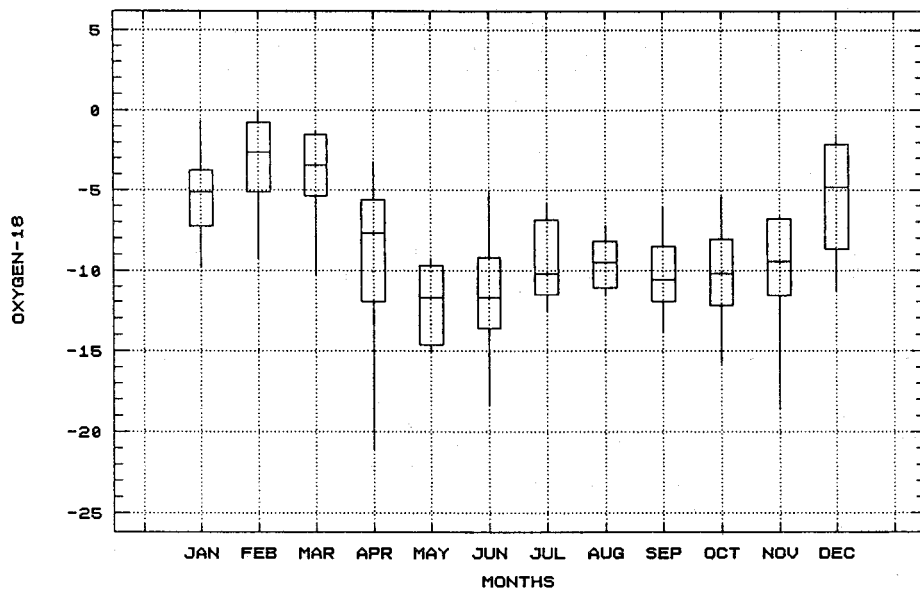
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	146	0.49	0.04	0.08	0.07	0.483	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	10	0.60	0.07	-0.15	0.12	0.905	0.07
3) Monthly Deut vs. Monthly Precipitation	113	-0.31	0.07	-37.90	5.58	0.146	31.56
4) Monthly Oxyg-18 vs. Monthly Prec	120	-0.04	0.01	-5.62	0.66	0.182	3.80
5) Monthly Deut vs. Monthly Temperature	106	-7.05	5.73	34.69	75.45	0.014	34.39
6) Monthly Oxyg-18 vs. Monthly Temp	113	-0.60	0.68	-0.56	8.91	0.007	4.26
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	112	7.88	0.12	7.99	1.14	0.975	5.45
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	112	7.98	0.12	8.84	1.24	0.975	5.45

8022200 BOGOTA, COLOMBIA

Lat. 4.70N Long. 74.13W Alt. 2547 m a.s.l.





8041300 MARACAY, VENEZUELA

Lat. 10.25N Long. 67.65W Alt. 442 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	637 (12)			-4.79 (97.3/7)	-4.60	-32.1 (97.3/7)	-29.5	6.3 (97.3/7)	7.4	24.5 (12)	22.7 (12)
1962	930 (12)			-1.40 (19.3/4)	-0.50	-15.7 (19.3/4)	-12.3	-4.5 (19.3/4)	-8.3	24.3 (12)	23.6 (12)
1963	1140 (12)									24.4 (12)	23.8 (12)
1964	1062 (12)			-2.03 (99.5/8)	-0.82	-21.0 (99.5/8)	-14.1	-4.8 (99.5/8)	-7.6	24.4 (12)	22.7 (12)
1965	860 (12)	69.6 (42.0/4)	64.4	-3.28 (22.3/2)	-3.42	-27.6 (22.3/2)	-28.6	-1.4 (22.3/2)	-1.3	24.5 (12)	22.9 (12)
1966	944 (12)									24.7 (12)	23.8 (12)
1967	605 (12)	28.8 (11.5/3)	28.6	-1.75 (8.4/2)	-2.01	-9.8 (8.4/2)	-13.1	4.2 (8.4/2)	3.0	24.4 (12)	23.8 (12)
1968	713 (12)	25.8 (80.0/7)	25.8	-4.43 (80.0/7)	-4.17	-24.5 (80.0/7)	-23.1	10.9 (80.0/7)	10.4	24.4 (12)	22.0 (12)
1969	1175 (12)	22.1 (92.2/9)	19.0	-5.02 (92.2/9)	-5.20	-33.8 (92.2/9)	-33.6	6.4 (92.2/9)	8.1	25.1 (12)	23.8 (12)
1970	1063 (12)	17.9 (63.6/6)	16.8	-4.03 (63.6/6)	-3.68					24.6 (12)	22.8 (12)
1971	548 (12)	14.7 (36.1/4)	13.1	-1.72 (45.0/4)	-1.93					24.3 (12)	21.3 (12)
1972	538 (12)	14.9 (98.1/10)	14.5	0.73 (74.5/6)	0.40					24.7 (12)	22.3 (12)
1973	765 (12)	8.2 (23.0/3)	7.5	-2.49 (23.0/3)	-2.70	-19.1 (23.0/3)	-20.1	0.9 (23.0/3)	1.6	25.0 (12)	21.9 (12)
1974	374 (12)	13.6 (85.8/6)	14.0	-4.91 (82.8/5)	-4.76	-29.2 (82.8/5)	-27.5	10.2 (82.8/5)	10.7	24.3 (12)	20.1 (12)
1975	732 (12)	11.4 (10.5/1)	11.4	-3.22 (10.5/1)	-3.22	-16.0 (10.5/1)	-16.0	9.8 (10.5/1)	9.8	24.1 (12)	20.7 (12)
Long Term Means 806				-4.01	-3.91	-27.9	-25.5	4.2	5.8	24.5	22.5
σ				1.28	1.76	5.3	7.4	6.5	7.5	0.2	1.1

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	8	15	0.60		1	-13.7		1	-18.5		1	23.3	0.6	15	20.0	1.3	15
Feb	4	15										23.8	0.6	15	19.5	1.3	15
Mar	7	15	-0.61	0.38	2	-11.8		1	-8.6		1	25.0	0.6	15	20.6	1.2	15
Apr	26	15	-2.49	1.66	6	-15.4	8.0	4	3.6	9.3	4	25.9	0.7	15	22.4	1.7	15
May	95	15	-4.18	2.04	8	-26.8	16.2	7	4.7	15.4	7	25.7	0.9	15	23.5	1.8	15
Jun	119	15	-3.42	2.14	5	-31.7	13.9	5	-4.3	12.0	5	24.9	0.8	15	23.8	1.8	15
Jul	111	15	-3.83	3.24	8	-32.6	19.9	6	3.9	6.5	6	24.2	0.5	15	23.5	1.7	15
Aug	162	15	-3.30	2.92	7	-24.2	16.0	5	7.5	3.8	5	24.3	0.4	15	24.1	1.2	15
Sep	120	15	-3.01	2.53	8	-23.1	14.1	5	8.1	6.1	5	24.4	0.6	15	24.3	1.2	15
Oct	86	15	-2.47	2.15	8	-19.8	14.2	6	6.5	3.5	6	24.3	0.5	15	24.1	1.0	15
Nov	52	15	-2.15	4.59	7	-18.9	22.9	5	2.4	16.8	5	24.4	0.7	15	23.3	1.5	15
Dec	16	15	-2.81	1.74	4	-15.8	17.5	3	7.5	6.1	3	23.5	0.6	15	20.9	1.5	15

CORRELATIONS

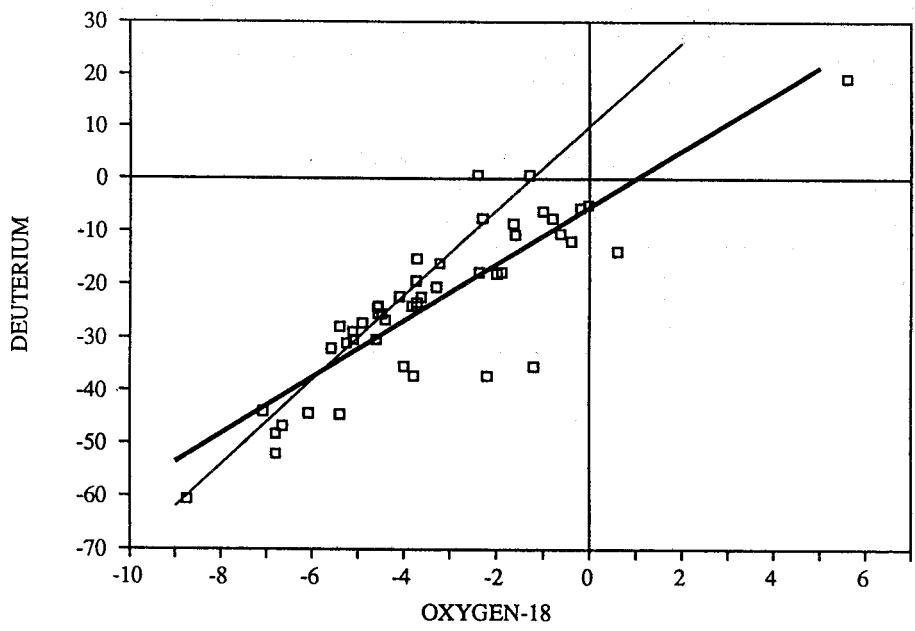
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	52	0.73	0.37	-0.52	0.84	0.071	0.76
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	4	1.22	0.20	-1.50	0.44	0.951	0.04
3) Monthly Deut vs. Monthly Precipitation	48	-0.06	0.03	-18.48	3.50	0.067	15.03
4) Monthly Oxyg-18 vs. Monthly Prec	64	-0.01	0.00	-2.23	0.55	0.044	2.62
5) Monthly Deut vs. Monthly Temperature	48	-2.33	2.34	34.08	57.88	0.021	15.40
6) Monthly Oxyg-18 vs. Monthly Temp	64	-0.19	0.35	1.72	8.67	0.005	2.68
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	48	5.35	0.47	-5.37	1.95	0.741	7.92
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	48	6.21	0.46	-2.44	2.23	0.741	7.92

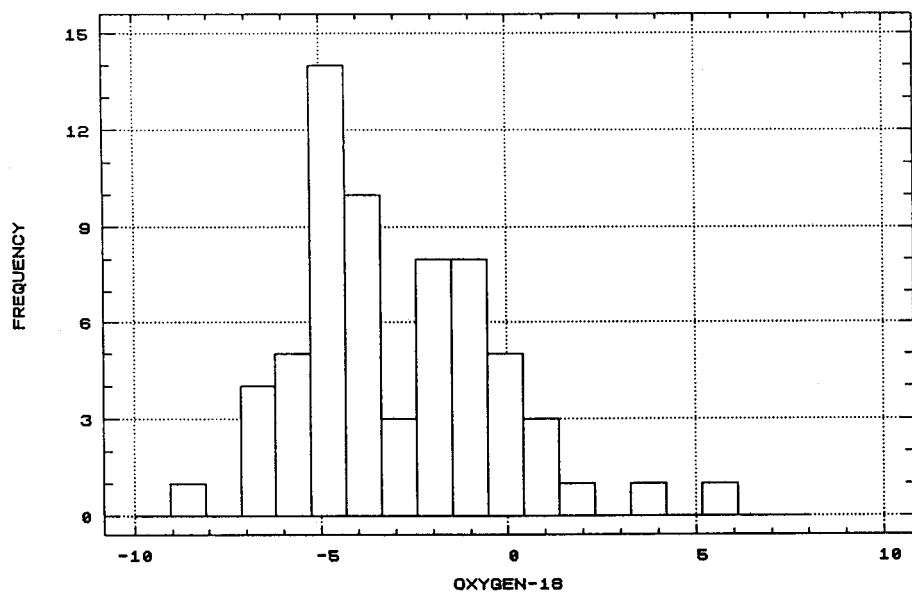
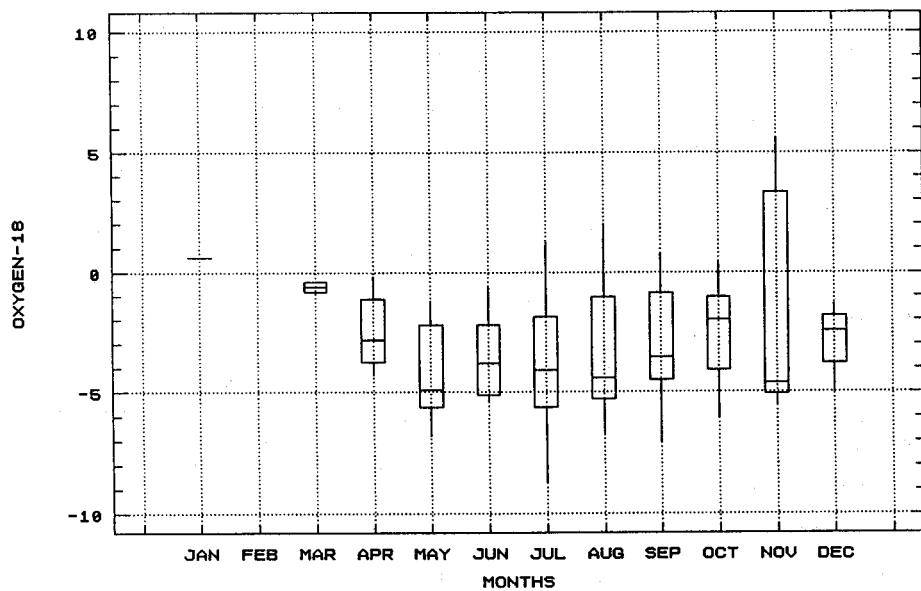
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
71 / 12	7.75			
72 / 6	5.02			
72 / 11	4.04			

8041300 MARACAY, VENEZUELA

Lat. 10.25N Long. 67.65W Alt. 442 m a.s.l.





8140500 CAYENNE, FRENCH GUIANA, FRANCE

Lat. 4.83N Long. 52.37W Alt. 8 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	3240 (12)			-3.04 (51.5/8)	-2.55	-15.0 (51.5/8)	-13.4	9.5 (51.5/8)	7.1	25.6 (12)	27.7 (12)
1963	3911 (11)	112.5 (90.1/9)	109.4	-3.23 (100.0/12)	-2.81	-10.1 (100.0/12)	-8.9	15.8 (100.0/12)	13.7	25.6 (12)	28.0 (12)
1964	2399 (12)	112.2 (82.2/9)	93.6	-2.59 (80.9/8)	-1.74	-14.0 (80.9/8)	-8.9	6.7 (80.9/8)	5.1	25.6 (12)	27.6 (12)
1965	3162 (12)	39.3 (59.1/6)	40.2	-2.18 (11.2/2)	-2.15	-5.8 (11.2/2)	-5.6	11.7 (11.2/2)	11.6	25.6 (12)	28.1 (12)
1970	4464 (12)	11.8 (100.0/12)	11.4	-1.96 (96.6/11)	-1.32					25.6 (12)	28.4 (12)
1971	4747 (12)	11.9 (100.0/12)	12.5	-1.19 (80.1/10)	-1.20					25.2 (12)	27.9 (12)
1972	3896 (12)	9.0 (100.0/12)	8.7	-1.64 (95.9/11)	-0.94	-0.3 (8.5/1)	-0.3	4.9 (8.5/1)	4.9	25.6 (12)	28.7 (12)
1973	4060 (12)	7.6 (100.0/12)	7.3	-2.39 (92.9/11)	-1.92	-9.7 (92.9/11)	-6.6	9.5 (92.9/11)	8.8	25.7 (12)	28.4 (12)
1974	4011 (12)	6.4 (100.0/12)	6.6	-2.30 (71.9/10)	-2.00	-9.3 (71.9/10)	-7.4	9.2 (71.9/10)	8.6	25.2 (12)	27.6 (12)
1975	3577 (12)	6.0 (89.6/9)	5.8	-1.80 (83.6/8)	-1.75	-7.8 (83.6/8)	-6.1	6.7 (83.6/8)	8.0	25.3 (12)	27.7 (12)
Long Term Means 3737				-2.09	-1.67	-10.0	-7.6	10.4	8.9	25.5	28.0
σ				0.68	0.61	2.7	1.4	4.3	3.5	0.1	0.3

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	452	10	-0.87	1.86	7	-0.9	7.7	4	8.9	6.9	4	25.1	0.4	10	27.8	0.7	10
Feb	371	10	-1.09	1.58	8	-0.6	12.2	5	8.7	5.0	5	25.2	0.4	10	27.5	0.7	10
Mar	417	10	-1.91	1.28	7	-2.5	7.6	5	10.7	5.1	5	25.5	0.4	10	27.5	0.6	10
Apr	364	10	-1.39	1.37	9	-3.6	3.5	6	8.0	5.6	6	25.6	0.3	10	27.8	0.5	10
May	579	10	-3.55	1.32	8	-17.0	5.4	5	14.2	5.4	5	25.5	0.2	10	28.7	0.6	10
Jun	538	10	-3.11	1.24	9	-20.0	5.6	6	9.7	5.7	6	25.0	0.3	10	28.4	0.4	10
Jul	242	10	-2.24	0.77	9	-10.8	4.3	6	10.0	5.6	6	25.2	0.3	10	28.0	0.4	10
Aug	176	10	-2.42	0.58	7	-10.0	6.2	6	10.0	3.1	6	25.5	0.2	10	27.8	0.3	10
Sep	89	10	-0.20	1.53	6	-3.6	6.7	4	4.9	1.5	4	25.9	0.3	10	27.7	0.5	10
Oct	101	9	-0.86	1.37	7	-7.4	5.4	4	5.0	3.9	4	26.1	0.3	10	27.9	0.5	10
Nov	139	10	-1.77	0.94	7	-10.3	4.1	4	6.7	2.6	4	25.7	0.3	10	28.1	0.6	10
Dec	279	10	-1.47	1.09	7	-6.7	6.7	5	7.5	2.8	5	25.3	0.3	10	28.2	0.4	10

CORRELATIONS

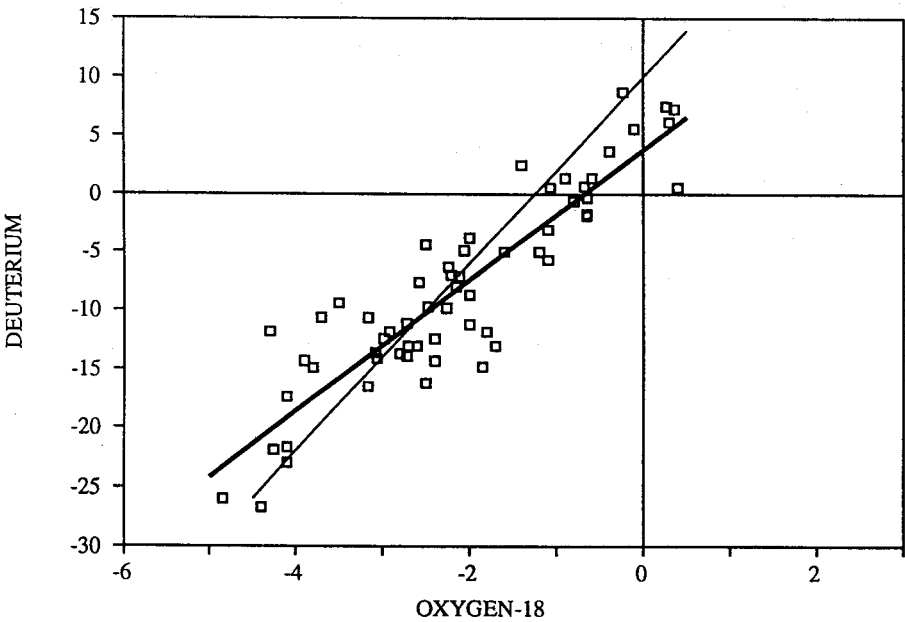
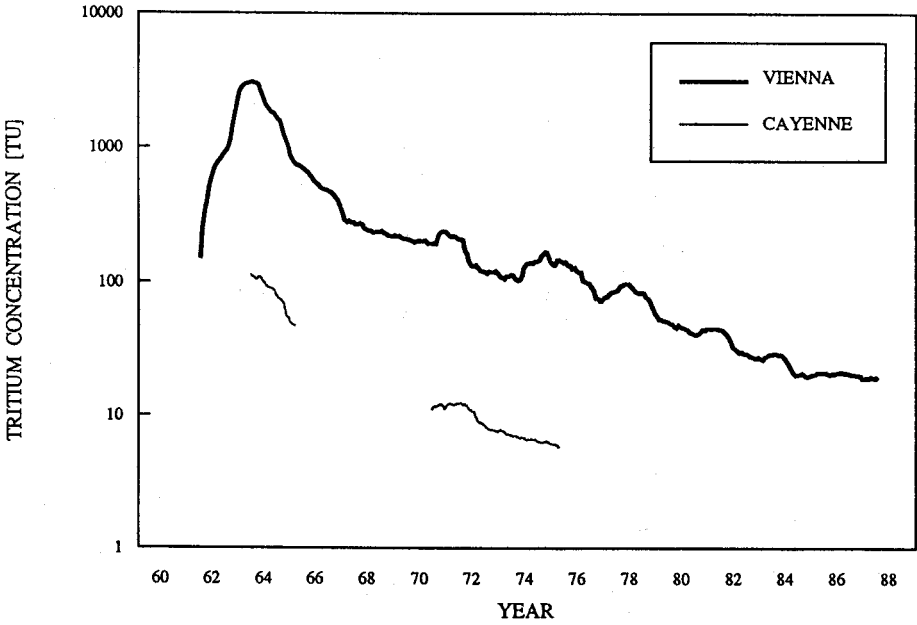
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	89	0.75	0.04	-0.65	0.10	0.801	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	8	0.94	0.07	-1.13	0.19	0.964	0.11
3) Monthly Deut vs. Monthly Precipitation	60	-0.02	0.01	-3.12	1.92	0.140	7.78
4) Monthly Oxyg-18 vs. Monthly Prec	91	-0.00	0.00	-0.93	0.28	0.138	1.42
5) Monthly Deut vs. Monthly Temperature	60	5.49	2.34	-148.10	59.56	0.087	8.02
6) Monthly Oxyg-18 vs. Monthly Temp	91	1.06	0.35	-28.92	8.83	0.096	1.45
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	60	5.60	0.35	3.78	0.88	0.815	3.61
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	60	6.20	0.34	5.07	0.98	0.815	3.61

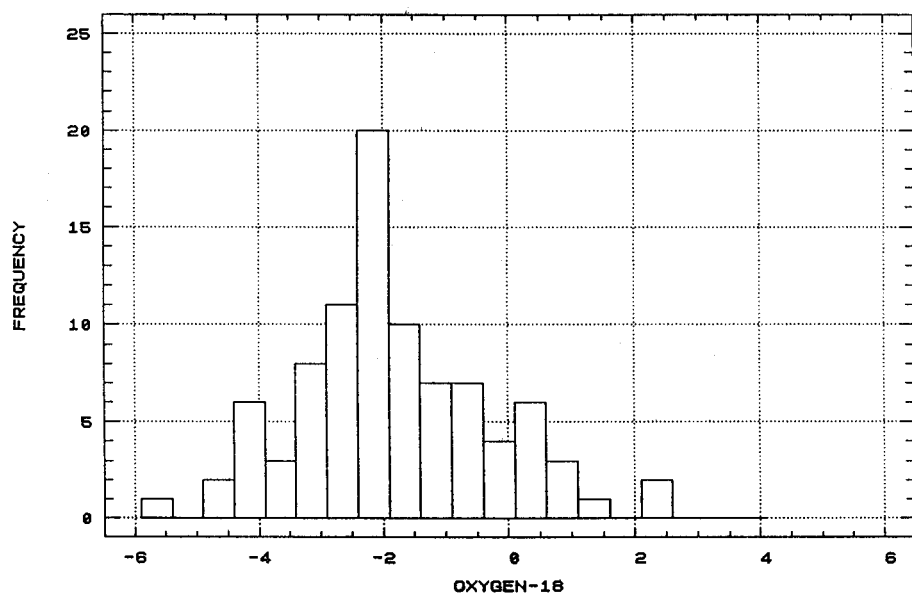
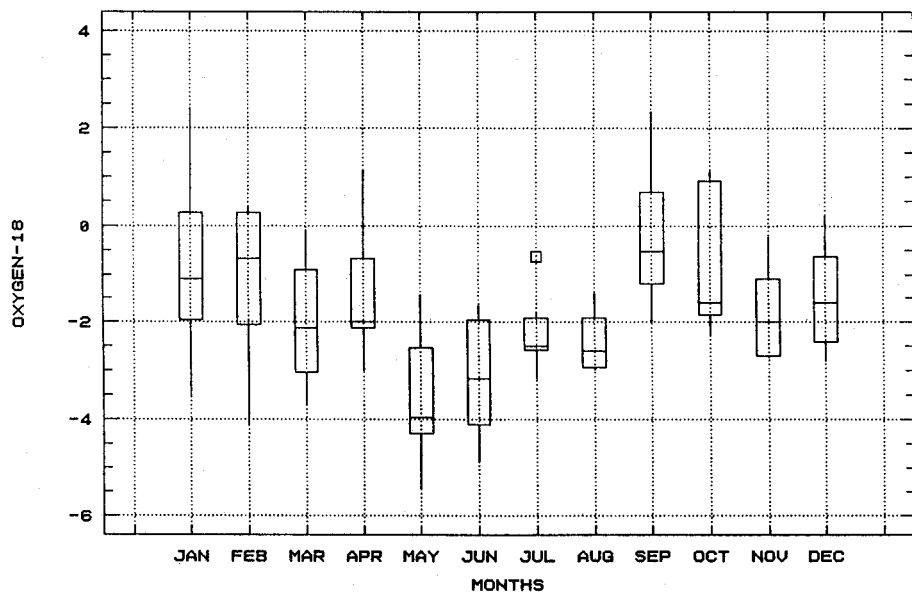
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
70 / 8	4.04			
72 / 8	3.84			
75 / 9	1.93	4.4		

8140500 CAYENNE, FRENCH GUIANA, FRANCE

Lat. 4.83N Long. 52.37W Alt. 8 m a.s.l.





8210600 SAO GABRIEL, BRAZIL

Lat. 0.13S Long. 67.08W Alt. 87 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W.	Mean Aver.	W.	Mean Aver.	W.	Mean Aver.	W.	Mean Aver.		
1961	2630 (12)			-4.05 (18.2/2)	-4.10	-20.5 (18.2/2)	-20.8	12.0 (18.2/2)	12.0	25.5 (12)	28.7 (12)
1962	2580 (12)	151.0 (13.1/1)	151.0	-0.91 (29.0/4)	-0.83	-3.5 (36.8/5)	-2.4	3.5 (29.0/4)	4.1	25.4 (12)	28.7 (12)
1966	2522 (12)	34.1 (74.8/9)	34.0	-3.34 (64.3/8)	-3.45	-12.3 (69.1/9)	-13.8	13.9 (64.3/8)	12.5	28.4 (12)	28.4 (12)
1967	3551 (12)	30.1 (26.4/2)	28.4							25.2 (12)	28.5 (12)
1968	3358 (12)	21.7 (36.2/5)	22.7	-3.98 (36.2/5)	-3.55	-18.3 (36.2/5)	-15.3	13.6 (36.2/5)	13.1	25.2 (12)	28.2 (12)
1969	2946 (12)									25.6 (12)	29.0 (12)
1970	2882 (12)									25.4 (12)	28.5 (12)
1971	3310 (12)	17.5 (14.6/3)	17.9	-3.56 (14.6/3)	-3.02					25.0 (12)	28.0 (12)
1972	2840 (12)	14.2 (100.0/12)	14.0	-4.31 (87.5/10)	-4.26	-7.7 (20.6/3)	-7.1	9.3 (20.6/3)	9.3	25.5 (12)	28.0 (12)
1973	2930 (12)	13.5 (90.0/11)	12.5	-4.76 (90.0/11)	-4.24	-27.5 (90.0/11)	-23.4	10.6 (90.0/11)	10.6	25.8 (12)	27.3 (12)
1974	3069 (12)	13.4 (100.0/12)	14.0	-3.66 (100.0/12)	-3.58	-21.6 (100.0/12)	-21.2	7.8 (100.0/12)	7.5	25.4 (12)	26.6 (12)
1975	2611 (12)	11.2 (100.0/12)	11.1	-5.04 (100.0/12)	-4.43	-32.0 (100.0/12)	-27.3	8.3 (100.0/12)	8.2	25.2 (12)	27.0 (12)
1976	2575 (12)	8.5 (90.3/10)	8.5	-5.75 (90.3/10)	-5.43	-36.2 (90.3/10)	-33.1	9.9 (90.3/10)	10.4	25.4 (12)	27.0 (12)
1977	2531 (12)	8.8 (70.8/8)	8.9	-3.19 (70.8/8)	-3.34	-16.2 (70.8/8)	-17.3	9.4 (70.8/8)	9.5	25.8 (12)	27.8 (12)
1978	3185 (12)	8.5 (54.5/7)	8.3	-2.69 (54.5/7)	-2.53	-11.0 (54.5/7)	-9.5	10.6 (54.5/7)	10.8	25.7 (12)	28.4 (12)
1979	2896 (12)	7.6 (49.2/5)	7.7	-4.97 (49.2/5)	-3.75	-28.7 (49.2/5)	-18.2	11.1 (49.2/5)	11.9	25.7 (12)	28.6 (12)
1980	2437 (11)	6.1 (40.3/5)	6.1			-26.7 (31.8/4)	-22.0				
1981	2454 (11)	5.5 (26.2/3)	5.5			-17.2 (46.8/6)	-18.3				
1982	2006 (12)	4.6 (20.1/2)	4.9	-1.91 (20.1/2)	-1.60	7.2 (7.3/1)	7.2	10.9 (7.3/1)	10.9	26.2 (12)	27.6 (12)
1983	2230 (12)	5.9 (4.8/1)	5.9	-1.03 (4.8/1)	-1.03	3.2 (4.8/1)	3.2	11.5 (4.8/1)	11.5	26.2 (12)	29.8 (12)
Long Term											
Means 2764				-4.65	-4.39	-28.8	-26.3	9.1	9.2	25.5	28.1
σ				0.78	0.66	6.3	5.2	1.3	1.5	0.3	0.7

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	265	19	-2.32	0.99	8	-7.7	8.9	8	10.8	2.0	7	25.7	0.7	19	28.6	1.2	19
Feb	226	20	-2.64	1.58	6	-12.5	13.2	6	9.1	3.3	5	26.0	0.8	20	28.3	1.2	20
Mar	262	20	-4.80	2.95	9	-24.0	24.5	9	8.7	7.0	8	25.8	0.5	20	28.6	1.1	20
Apr	282	20	-6.26	1.73	8	-38.2	8.8	9	7.4	2.7	7	25.7	0.6	20	28.6	1.0	20
May	297	20	-8.49	2.02	7	-55.4	16.3	8	8.2	1.7	6	25.4	0.6	19	28.6	1.1	20
Jun	264	20	-5.27	2.06	8	-33.4	14.9	8	7.1	5.6	7	24.9	0.4	20	27.9	1.0	20
Jul	223	20	-3.60	1.57	8	-16.0	13.0	8	12.7	3.7	7	24.4	0.5	20	26.9	1.1	20
Aug	200	20	-2.73	1.38	8	-9.3	10.9	8	12.5	2.9	8	25.2	0.5	20	27.5	1.1	20
Sep	186	20	-2.06	1.60	8	-4.5	13.4	9	11.0	2.5	8	25.7	0.6	20	27.5	1.2	20
Oct	164	20	-2.08	1.04	10	-5.6	9.0	10	11.6	6.8	9	25.9	0.4	20	28.2	1.0	20
Nov	185	20	-2.34	1.76	10	-8.4	10.9	10	7.4	4.0	9	25.9	0.4	20	28.7	0.8	20
Dec	236	19	-3.22	1.51	10	-16.9	13.9	8	10.4	1.7	8	25.8	0.4	19	28.7	1.0	19

CORRELATIONS

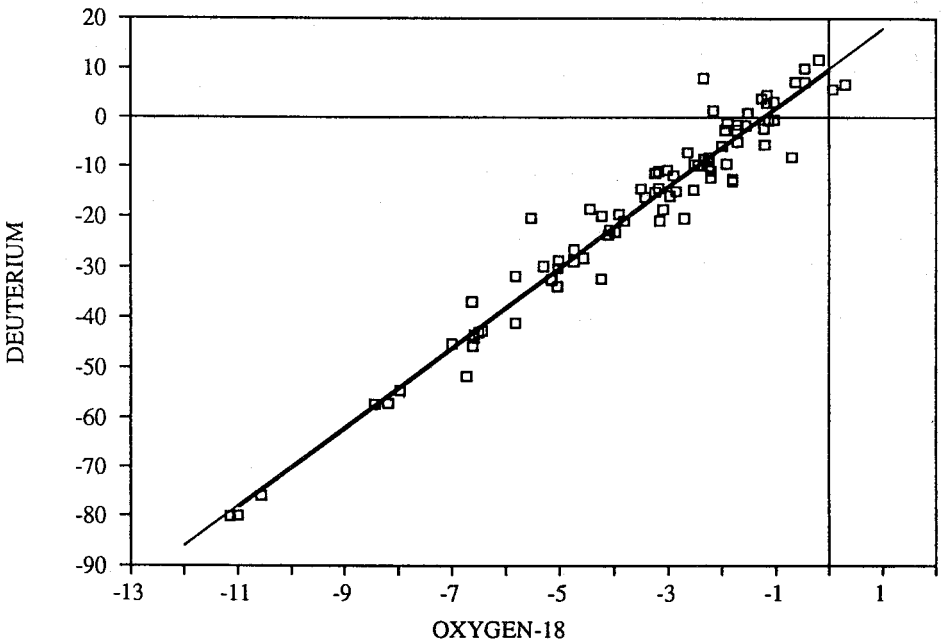
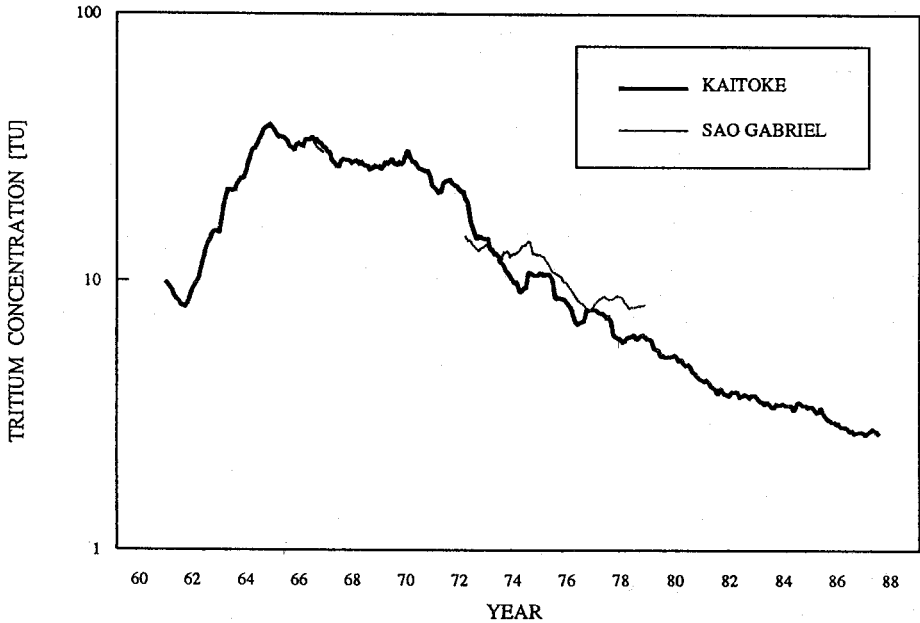
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	107	0.62	0.06	0.45	0.06	0.526	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	5	0.60	0.20	0.47	0.21	0.747	0.05
3) Monthly Deut vs. Monthly Precipitation	101	-0.10	0.02	2.70	5.55	0.149	18.46
4) Monthly Oxyg-18 vs. Monthly Prec	100	-0.01	0.00	-1.15	0.69	0.138	2.32
5) Monthly Deut vs. Monthly Temperature	99	9.42	2.75	-259.67	70.20	0.108	18.71
6) Monthly Oxyg-18 vs. Monthly Temp	99	1.34	0.36	-37.89	9.23	0.124	2.31
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	89	8.00	0.19	9.81	0.84	0.953	4.41
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	89	8.20	0.19	10.52	0.95	0.953	4.41

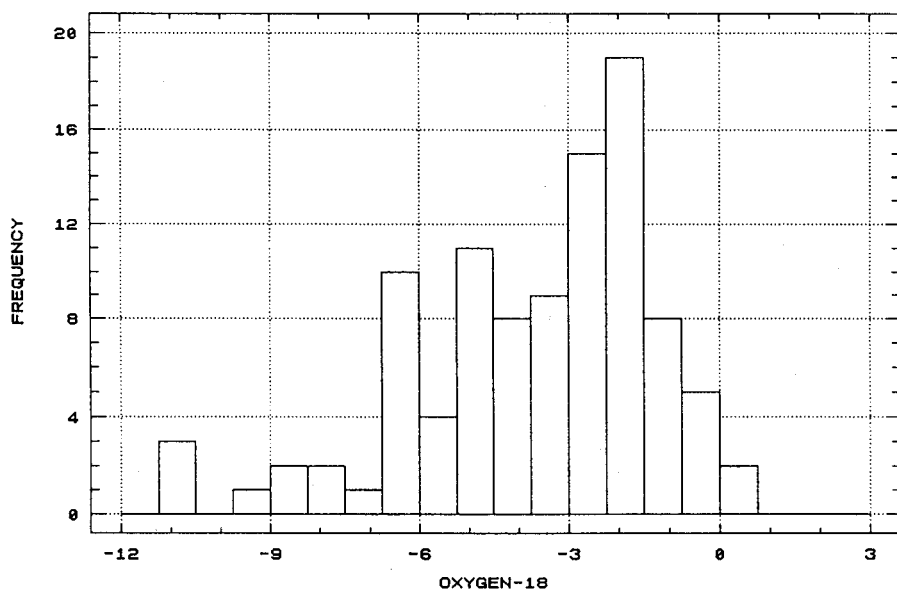
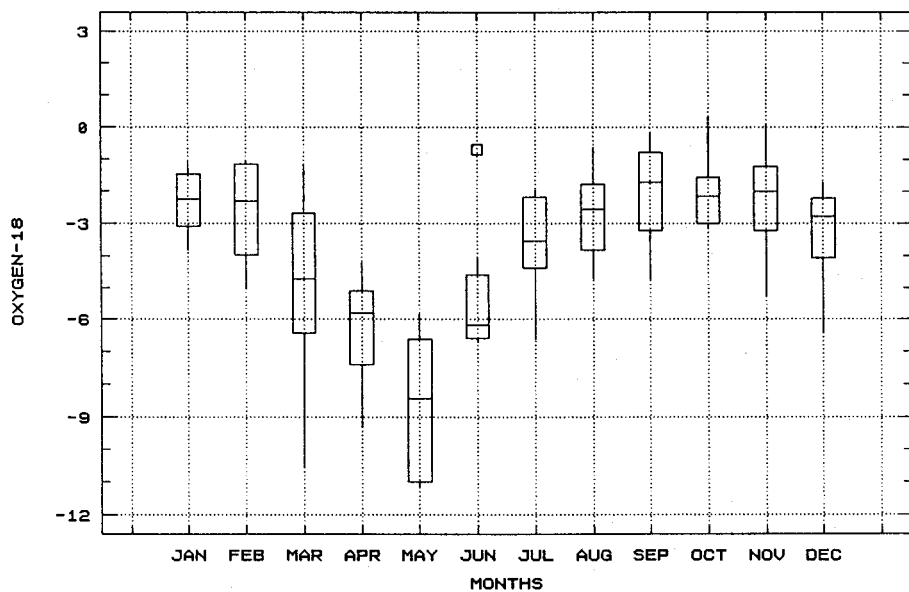
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
62 / 8	4.40	21.1		
67 / 3	-3.29	-46.1		
67 / 4	-8.89	-14.4		

8210600 SAO GABRIEL, BRAZIL

Lat. 0.13S Long. 67.08W Alt. 87 m a.s.l.





8219100 BELEM, BRAZIL

Lat. 1.43S Long. 48.48W Alt. 24 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1965	2435 (12)	31.4 (76.3/10)	27.5	-3.28 (76.3/10)	-2.23	-17.3 (76.3/10)	-10.2	9.0 (76.3/10)	7.8	25.9 (12)	28.8 (12)
1966	2887 (12)	19.3 (83.4/10)	18.1	-2.60 (86.4/10)	-2.14	-10.3 (86.4/10)	-7.7	10.5 (86.4/10)	9.5	25.9 (12)	28.8 (12)
1967	2388 (12)	14.8 (75.8/8)	13.7	-4.65 (100.0/12)	-3.32	-25.6 (100.0/12)	-16.2	11.7 (100.0/12)	10.4	25.8 (12)	27.8 (12)
1968	2445 (12)	14.7 (100.0/12)	14.6	-3.30 (100.0/12)	-2.11	-16.6 (100.0/12)	-9.6	9.8 (100.0/12)	7.3	25.9 (12)	28.1 (12)
1969	2308 (12)	10.0 (100.0/12)	10.0	-1.55 (95.0/10)	-1.08	-6.1 (95.0/10)	-1.3	6.4 (95.0/10)	7.4	26.6 (12)	29.1 (12)
1970	2542 (12)	11.5 (100.0/12)	12.7	-0.74 (79.6/8)	-0.43	0.2 (100.0/12)	4.1	2.7 (79.6/8)	2.3	26.2 (12)	29.4 (12)
1971	2648 (12)	10.3 (96.6/11)	10.0	-0.21 (96.6/11)	0.41					25.8 (12)	28.8 (12)
1972	2767 (12)	9.1 (100.0/12)	8.6	-0.81 (83.8/9)	-0.71	-6.3 (13.2/2)	-3.3	1.8 (13.2/2)	4.6	26.0 (12)	29.7 (12)
1973	3047 (12)	7.7 (97.4/11)	7.5	-1.21 (97.4/11)	-0.14	-9.0 (97.4/11)	-0.6	0.7 (97.4/11)	0.5	26.3 (12)	29.0 (12)
1974	3337 (12)	6.3 (72.1/10)	6.5	-4.62 (100.0/12)	-3.42	-27.3 (100.0/12)	-17.7	9.7 (100.0/12)	9.7	25.6 (12)	28.6 (12)
1975	3090 (12)	6.2 (68.5/10)	5.9	-3.55 (68.5/10)	-2.79	-18.2 (68.5/10)	-12.3	10.2 (68.5/10)	10.1	25.6 (12)	28.9 (12)
1976	2711 (12)	4.7 (100.0/12)	4.5	-2.06 (100.0/12)	-1.45	-5.7 (100.0/12)	-2.0	10.8 (100.0/12)	9.7	25.7 (12)	28.4 (12)
1977	3085 (12)	4.5 (98.7/11)	4.7	-2.60 (98.7/11)	-2.23					25.8 (12)	29.0 (12)
1978	3116 (12)	4.4 (100.0/12)	4.4	-3.06 (100.0/12)	-2.32	-9.0 (100.0/12)	-4.9	15.5 (100.0/12)	13.7	26.0 (12)	30.5 (12)
1979	2679 (12)	4.6 (95.2/11)	4.7	-2.12 (100.0/12)	-1.48	-7.5 (100.0/12)	-2.5	9.5 (100.0/12)	9.4	26.1 (12)	30.5 (12)
1980	3262 (12)	3.5 (86.8/9)	3.3	-2.58 (86.8/9)	-1.53	-12.5 (86.8/9)	-1.4	8.2 (86.8/9)	10.9	26.2 (12)	30.8 (12)
1981	2495 (12)	3.5 (79.3/8)	3.5	-2.00 (79.3/8)	-1.78	-5.6 (79.3/8)	-3.8	10.5 (79.3/8)	10.5	26.3 (12)	30.4 (12)
1982	3102 (12)	2.5 (100.0/12)	2.7	-0.16 (28.4/6)	-0.12	-12.8 (100.0/12)	-4.6	8.6 (28.4/6)	8.0	26.0 (12)	30.2 (12)
1983	2315 (12)	3.1 (36.6/3)	3.2	-1.73 (88.2/10)	-1.52	-3.9 (87.5/9)	-2.9	10.0 (87.5/9)	9.3	26.4 (12)	31.1 (12)
1984	3870 (12)			-6.13 (92.8/10)	-4.02	-38.1 (97.1/11)	-21.3	9.7 (92.8/10)	9.9	25.7 (12)	30.5 (12)
1985	3213 (12)			-3.36 (48.8/7)	-2.98	-29.3 (65.0/8)	-23.8	3.5 (48.8/7)	3.4	25.5 (12)	30.6 (12)
1986	3136 (12)			-4.43 (100.0/12)	-2.73	1.1 (22.1/5)	0.8	7.9 (22.1/5)	7.6	25.9 (12)	30.1 (12)
1987	2552 (12)			-1.42 (88.2/9)	-1.33	-2.0 (29.1/2)	-2.0	6.2 (29.1/2)	6.4	26.6 (12)	31.1 (12)
Long Term Means 2845				-2.71	-1.78	-13.9	-6.4	9.1	8.6	26.0	29.6
σ				1.52	1.11	10.1	6.9	3.6	3.2	0.3	0.9

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	366	23	-2.29	1.96	19	-11.5	13.2	16	9.2	5.8	15	25.6	0.4	23	29.7	1.0	23
Feb	405	23	-3.07	2.29	20	-15.5	15.1	17	9.1	5.5	16	25.4	0.5	23	29.6	1.2	23
Mar	416	23	-3.72	2.40	20	-24.2	17.9	17	11.4	5.7	15	25.6	0.4	23	29.9	0.9	23
Apr	378	23	-4.89	3.50	21	-28.7	28.3	17	8.8	5.7	16	25.8	0.4	23	30.4	1.3	23
May	294	23	-2.89	2.50	22	-17.1	18.4	18	9.5	4.3	17	26.0	0.5	23	30.1	1.2	23
Jun	160	23	-1.33	1.58	21	0.1	9.7	18	10.2	7.1	17	25.9	0.5	23	29.5	1.1	23
Jul	152	23	-0.76	1.67	19	-0.8	9.5	15	7.8	6.7	15	25.8	0.3	23	29.0	1.4	23
Aug	130	23	-0.15	1.57	19	8.0	8.3	18	10.0	7.0	16	26.0	0.3	23	29.2	1.4	23
Sep	132	23	-0.08	1.16	18	5.6	9.8	16	5.8	6.1	15	26.0	0.4	23	28.9	1.4	23
Oct	109	23	-0.21	1.75	19	4.3	10.7	17	8.1	4.8	16	26.4	0.4	23	28.8	1.8	23
Nov	103	23	-1.01	1.36	17	-4.0	12.8	15	4.7	5.7	15	26.5	0.4	23	29.2	1.7	23
Dec	200	23	-1.02	1.51	18	-2.3	10.6	17	5.5	4.4	16	26.3	0.4	23	30.0	1.1	23

CORRELATIONS

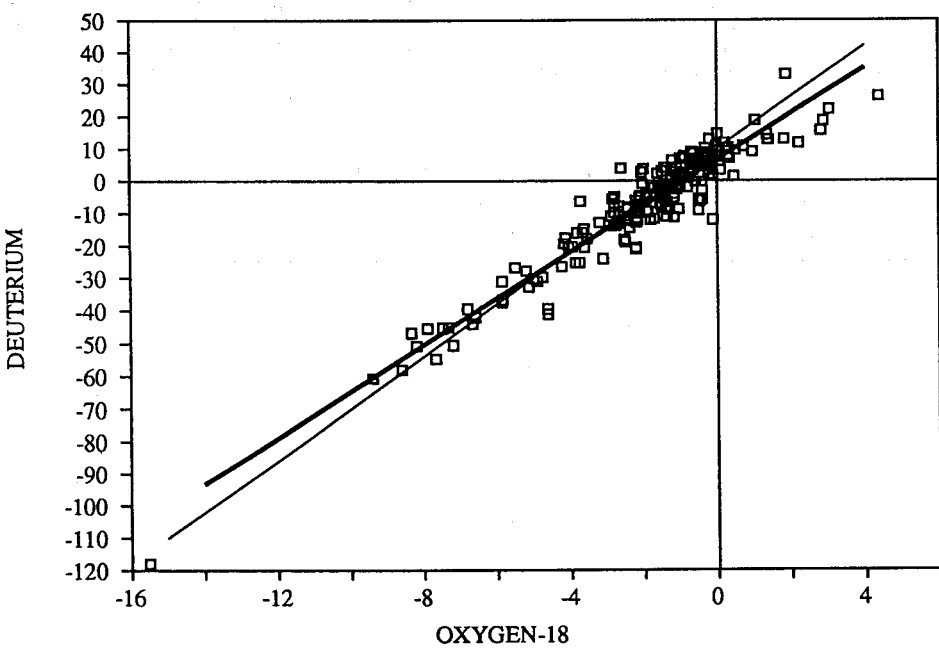
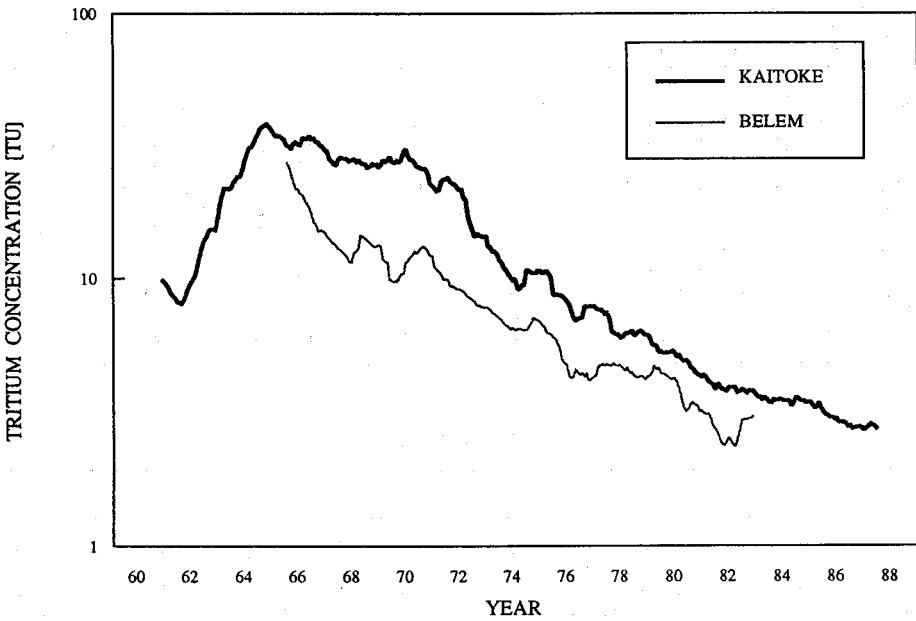
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	194	0.77	0.07	0.01	0.08	0.367	0.36
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	16	0.79	0.07	0.02	0.09	0.890	0.11
3) Monthly Deut vs. Monthly Precipitation	201	-0.08	0.01	12.19	1.96	0.402	14.36
4) Monthly Oxyg-18 vs. Monthly Prec	233	-0.01	0.00	0.64	0.27	0.337	2.06
5) Monthly Deut vs. Monthly Temperature	201	16.82	2.50	-443.38	64.86	0.185	16.75
6) Monthly Oxyg-18 vs. Monthly Temp	233	2.14	0.30	-57.30	7.76	0.181	2.29
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	189	7.13	0.17	6.68	0.52	0.909	5.57
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	189	7.48	0.16	7.36	0.66	0.909	5.57

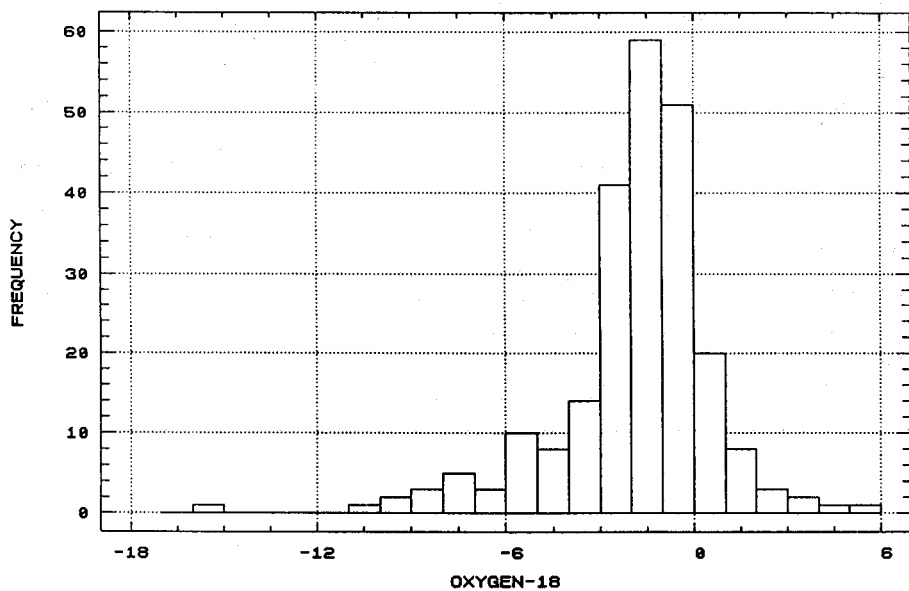
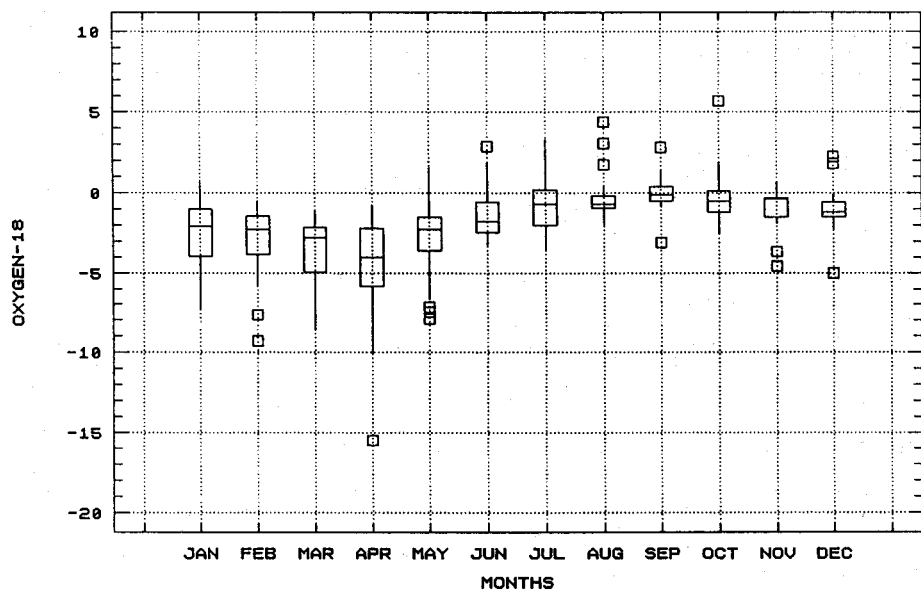
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
69	/ 12	-0.13	-11.6		
74	/ 3			67.40	7.0
84	/ 7	0.20	-11.0		

8219100 BELEM, BRAZIL

Lat. 1.43S Long. 48.48W Alt. 24 m a.s.l.





8233100 MANAUS, BRAZIL

Lat. 3.12S Long. 60.02W Alt. 60 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1965	1646 (12)	35.5 (29.5/4)	34.5	-2.10 (28.3/4)	-2.18	-5.7 (28.3/4)	-5.5	11.1 (28.3/4)	12.0	26.8 (12)	29.2 (12)
1966	2332 (12)	31.6 (69.4/9)	32.2	-4.80 (69.4/9)	-3.75	-23.8 (69.4/9)	-17.4	14.7 (69.4/9)	12.7		
1967	2135 (12)	22.2 (67.7/5)	23.9	-8.10 (77.3/6)	-7.65	-56.8 (77.3/6)	-52.6	8.1 (77.3/6)	8.7	26.9 (12)	28.7 (12)
1968	2420 (12)	21.9 (59.5/8)	21.2	-3.40 (59.5/8)	-2.76	-11.0 (59.5/8)	-6.3	16.3 (59.5/8)	15.8	26.5 (12)	29.2 (12)
1969	2270 (12)	14.9 (100.0/12)	15.6	-4.98 (83.8/10)	-3.61	-27.6 (83.8/10)	-17.3	12.3 (83.8/10)	11.7	27.3 (12)	30.1 (12)
1970	2422 (12)	17.3 (86.4/10)	19.5	-4.33 (86.4/10)	-3.33					26.8 (12)	29.2 (12)
1971	2534 (12)	14.2 (100.0/12)	15.4	-7.63 (100.0/12)	-5.71					26.5 (12)	28.7 (12)
1972	1913 (12)	11.4 (100.0/12)	11.6	-5.42 (88.9/9)	-4.74	-12.5 (12.7/2)	-10.6	11.5 (12.7/2)	11.2	26.9 (12)	29.4 (12)
1973	2568 (12)	11.8 (96.6/11)	12.1	-5.19 (96.6/11)	-4.88	-27.9 (96.6/11)	-24.5	13.7 (96.6/11)	14.7	27.0 (12)	29.4 (12)
1974	2370 (12)	11.0 (97.1/11)	11.3	-6.58 (97.1/11)	-5.70	-40.6 (97.1/11)	-33.4	12.1 (97.1/11)	12.3	26.6 (12)	28.3 (12)
1975	2326 (12)	9.8 (100.0/12)	9.6	-5.12 (100.0/12)	-4.17	-29.2 (98.4/11)	-23.7	12.4 (98.4/11)	12.4	26.5 (12)	28.4 (12)
1976	2231 (12)	7.9 (100.0/12)	9.1	-6.81 (100.0/12)	-4.43	-40.4 (100.0/12)	-20.4	14.2 (100.0/12)	15.1	26.9 (12)	28.0 (12)
1978	2102 (12)	6.0 (7.8/1)	6.0	-3.18 (18.6/2)	-3.18	-15.1 (18.6/2)	-14.9	10.4 (18.6/2)	10.5	26.9 (12)	29.4 (12)
1979	1884 (12)	6.5 (46.3/6)	6.7	-3.74 (22.2/2)	-3.55	-23.0 (53.1/6)	-21.6	8.3 (22.2/2)	8.8	27.0 (12)	29.0 (12)
1980		6.0 (41.8/4)	6.1	-2.15 (41.8/4)	-2.19	-9.4 (41.8/4)	-9.7	7.8 (41.8/4)	7.9		
1981		5.1 (30.5/3)	4.4	-3.43 (37.5/3)	-3.41	-14.1 (37.5/3)	-14.1	13.5 (37.5/3)	13.3		
1982	2237 (12)	4.6 (81.3/9)	4.9	-6.17 (81.3/9)	-4.73	-38.9 (81.3/9)	-27.2	10.5 (81.3/9)	10.7	26.8 (12)	29.6 (12)
1983	2049 (12)	4.6 (55.7/6)	4.6	-2.70 (100.0/12)	-2.25	-9.3 (100.0/12)	-5.4	12.4 (100.0/12)	12.7	27.2 (12)	30.2 (12)
1984	2093 (12)	3.0 (95.5/11)	3.3	-6.26 (95.5/11)	-5.31	-38.7 (95.5/11)	-30.7	11.4 (95.5/11)	11.8	26.5 (12)	28.5 (12)
1985	2435 (12)	3.4 (62.4/6)	3.6	-3.30 (79.1/10)	-2.92	-13.5 (73.1/9)	-8.9	12.6 (73.1/9)	13.8	26.5 (12)	28.3 (12)
1986	2418 (12)			-4.56 (86.6/10)	-4.23	-27.2 (86.6/10)	-24.0	9.4 (86.6/10)	9.9	26.7 (12)	28.2 (12)
1987	1833 (12)			-3.56 (74.6/6)	-3.00	-16.2 (74.6/6)	-11.0	12.4 (74.6/6)	13.0	27.4 (12)	29.6 (12)
Long Term Means 2211				-5.52	-4.55	-33.1	-25.9	11.8	12.0	26.8	29.0
σ				1.53	1.34	12.5	12.1	1.9	1.9	0.2	0.6

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	260	20	-4.12	1.37	16	-20.3	11.2	13	11.7	2.6	13	26.1	0.8	19	29.2	0.8	19
Feb	274	20	-5.14	2.31	18	-27.3	17.2	15	11.7	3.7	15	26.2	0.8	20	28.9	2.0	20
Mar	296	20	-6.26	2.29	16	-38.3	19.5	14	11.6	2.8	13	26.0	0.7	20	29.6	1.0	20
Apr	311	20	-7.10	2.76	16	-44.5	23.1	12	11.9	5.4	12	26.3	0.4	20	29.7	0.9	20
May	251	20	-7.18	3.56	14	-42.5	32.0	13	12.5	3.8	12	26.5	0.8	20	29.6	1.1	20
Jun	107	20	-3.70	2.27	13	-15.2	18.5	11	13.3	5.1	10	26.4	0.5	19	28.7	1.1	19
Jul	85	20	-2.96	1.49	14	-8.6	14.9	11	15.1	3.3	11	26.7	0.6	20	28.1	1.1	20
Aug	51	20	-1.80	1.70	13	-4.0	15.5	12	14.3	3.3	11	27.5	0.6	20	27.9	1.0	20
Sep	77	20	-1.85	1.46	13	-1.3	9.3	10	13.4	6.4	10	27.7	0.8	20	28.2	0.9	20
Oct	108	20	-1.93	1.27	14	-3.6	9.9	12	12.3	3.3	12	27.8	0.6	20	28.9	0.9	20
Nov	170	20	-3.54	1.97	18	-12.8	10.7	16	11.7	1.8	16	27.3	0.6	20	29.7	0.8	20
Dec	222	20	-3.30	1.31	18	-16.5	8.2	17	10.7	4.1	17	26.8	0.6	20	29.3	0.8	20

CORRELATIONS

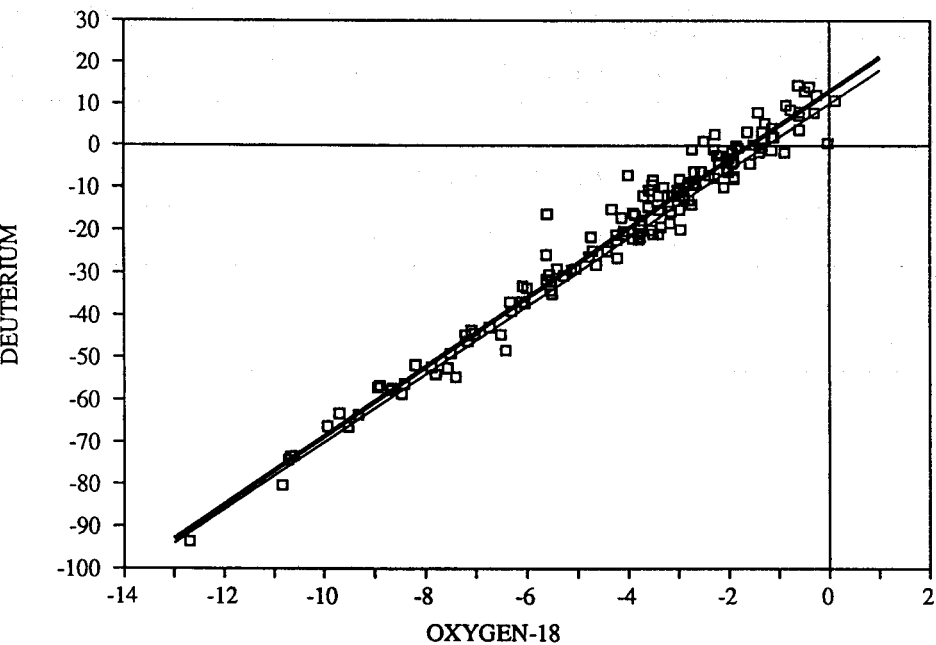
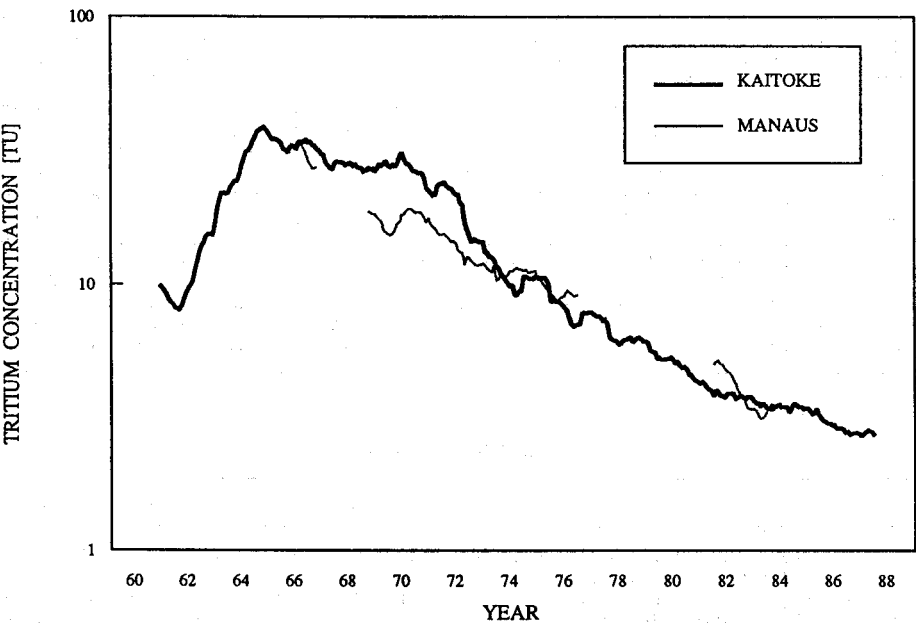
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	162	0.71	0.03	0.28	0.04	0.734	0.16
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	10	0.65	0.08	0.29	0.09	0.885	0.09
3) Monthly Deut vs. Monthly Precipitation	156	-0.10	0.01	0.59	2.86	0.315	18.08
4) Monthly Oxyg-18 vs. Monthly Prec	183	-0.01	0.00	-1.47	0.32	0.346	2.21
5) Monthly Deut vs. Monthly Temperature	147	12.90	1.75	-366.10	47.05	0.271	19.01
6) Monthly Oxyg-18 vs. Monthly Temp	174	1.90	0.20	-54.91	5.27	0.350	2.23
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	152	8.15	0.12	12.97	0.58	0.968	3.92
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	152	8.29	0.12	13.50	0.66	0.968	3.92

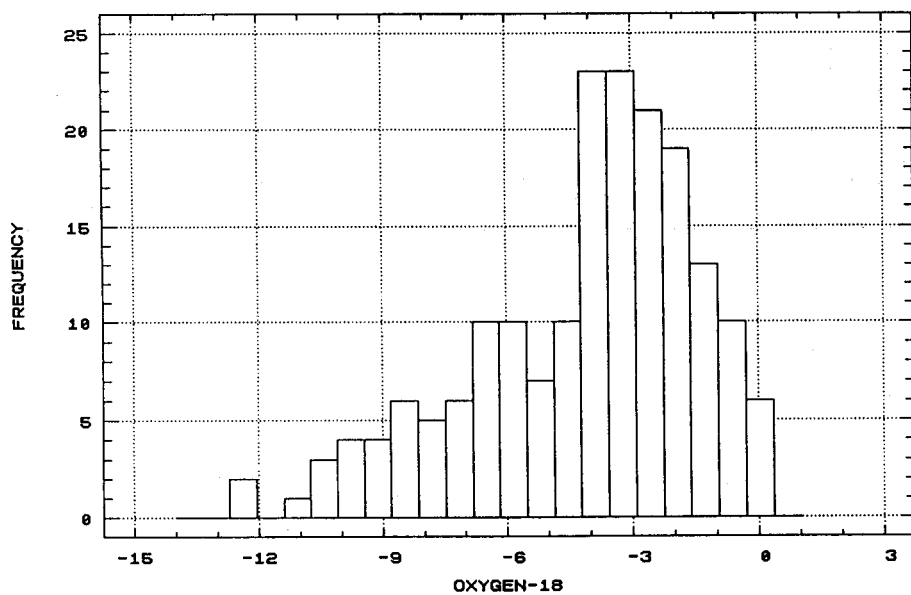
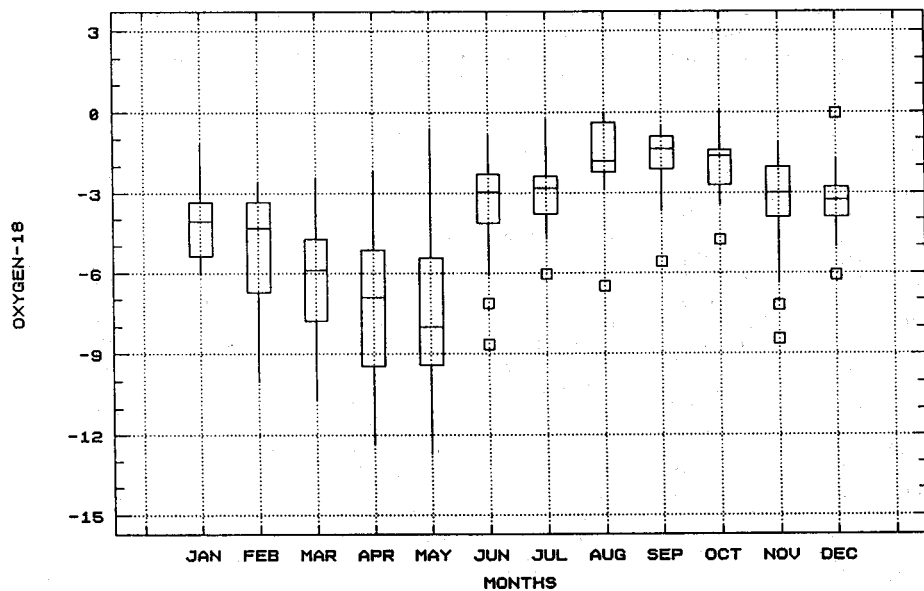
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
66 / 1				
66 / 6				
85 / 5	-6.70	-92.0		

8233100 MANAUS, BRAZIL

Lat. 3.12S Long. 60.02W Alt. 60 m a.s.l.





8239700 FORTALEZA, BRAZIL

Lat. 3.72S Long. 38.55W Alt. 27 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1965	1615 (12)	28.5 (71.3/3)	29.3	-7.10 (71.3/3)	-7.07	-44.3 (71.3/3)	-44.2	12.5 (71.3/3)	12.4	26.5 (12)	26.5 (12)
1966	1275 (12)	19.5 (89.6/5)	18.8							26.7 (12)	28.0 (12)
1967	1839 (12)	14.9 (89.4/5)	14.8							26.0 (12)	26.5 (12)
1968	1392 (12)	8.0 (57.9/9)	7.4	-3.68 (57.3/8)	-2.59	-17.7 (57.3/8)	-8.2	11.8 (57.3/8)	12.6	26.3 (12)	26.7 (12)
1969	1787 (12)	7.7 (100.0/12)	7.5	-1.81 (100.0/12)	-1.42	-5.5 (100.0/12)	-3.0	9.0 (100.0/12)	8.5	26.8 (12)	27.9 (12)
1970	1193 (12)	9.2 (99.6/11)	8.8	-1.39 (96.1/10)	-1.28	-9.3 (96.1/10)	-7.1	1.9 (96.1/10)	3.2	27.0 (12)	27.5 (12)
1971	2093 (12)	7.2 (100.0/12)	6.7	-3.07 (99.4/11)	-2.22					26.2 (12)	27.4 (12)
1972	1423 (12)	6.4 (82.4/11)	5.8	-2.33 (67.3/8)	-1.31	0.2 (2.9/1)	0.2	1.8 (2.9/1)	1.8	26.6 (12)	27.4 (12)
1973	2272 (12)	5.2 (99.4/11)	4.9	-1.91 (100.0/12)	-1.41	-6.0 (100.0/12)	-1.7	9.3 (100.0/12)	9.7	26.8 (12)	28.4 (12)
1974	2558 (12)	5.0 (100.0/12)	5.4	-4.07 (100.0/12)	-2.50	-27.0 (93.0/11)	-11.2	5.8 (93.0/11)	8.0	25.6 (12)	26.4 (12)
1975	1854 (12)	6.1 (100.0/12)	5.1	-2.70 (86.3/11)	-1.42	-11.2 (85.4/10)	-1.9	10.7 (85.4/10)	10.5	26.3 (12)	27.9 (12)
1976	1365 (12)	3.2 (99.4/11)	3.3	-1.54 (92.3/9)	-1.39	-1.7 (92.3/9)	0.4	10.7 (92.3/9)	11.4	26.2 (12)	26.3 (12)
1983	947 (10)			-1.87 (55.5/11)	-1.40	-0.7 (55.5/11)	3.2	14.4 (55.5/11)	14.4		
1984	2031 (12)			-2.99 (98.8/10)	-2.18	-14.4 (98.8/10)	-5.9	9.6 (98.8/10)	11.6	26.6 (12)	27.4 (12)
1985	2302 (12)			-2.99 (89.0/9)	-2.60						
1986	2139 (12)										
1987	1012 (12)										
Long Term											
Means 1705				-2.65	-1.83	-11.8	-4.4	8.3	9.0	26.4	27.3
σ				0.90	0.54	8.4	3.9	3.2	2.8	0.3	0.7

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	119	17	-1.35	1.10	11	-2.5	5.9	8	8.5	4.2	8	27.1	0.5	14	27.8	1.4	14
Feb	201	17	-2.22	1.40	11	-7.9	11.2	8	8.7	5.4	8	26.8	0.8	14	28.6	1.1	14
Mar	339	17	-2.77	1.58	11	-14.0	15.4	8	7.9	2.5	8	26.3	0.8	14	29.1	0.8	14
Apr	356	17	-3.29	2.20	12	-19.7	18.8	9	9.9	6.3	9	26.1	0.5	14	29.3	0.8	14
May	280	17	-3.24	1.20	11	-16.2	10.9	9	8.7	4.3	9	25.9	0.6	14	28.5	0.7	14
Jun	181	17	-2.49	2.27	12	-5.7	18.9	9	11.4	3.9	9	25.6	0.3	13	27.2	1.0	13
Jul	109	16	-1.93	1.69	10	0.9	8.7	7	12.3	5.2	7	25.3	0.5	14	25.7	1.2	14
Aug	34	17	-0.99	0.51	11	3.2	4.3	9	11.2	4.6	9	25.9	0.4	14	25.2	1.0	14
Sep	20	17	-0.42	0.56	7	5.7	2.6	6	8.3	3.6	6	26.4	0.4	14	25.6	1.0	14
Oct	18	17	-1.09	0.99	10	1.3	8.1	9	10.6	2.6	9	26.9	0.4	14	26.1	1.1	14
Nov	15	16	-1.18	1.08	9	-3.0	7.2	6	9.2	2.6	6	27.1	0.5	14	26.4	0.9	14
Dec	40	17	-1.15	0.66	11	2.3	4.5	9	10.8	4.6	9	27.1	0.6	14	27.1	1.0	14

CORRELATIONS

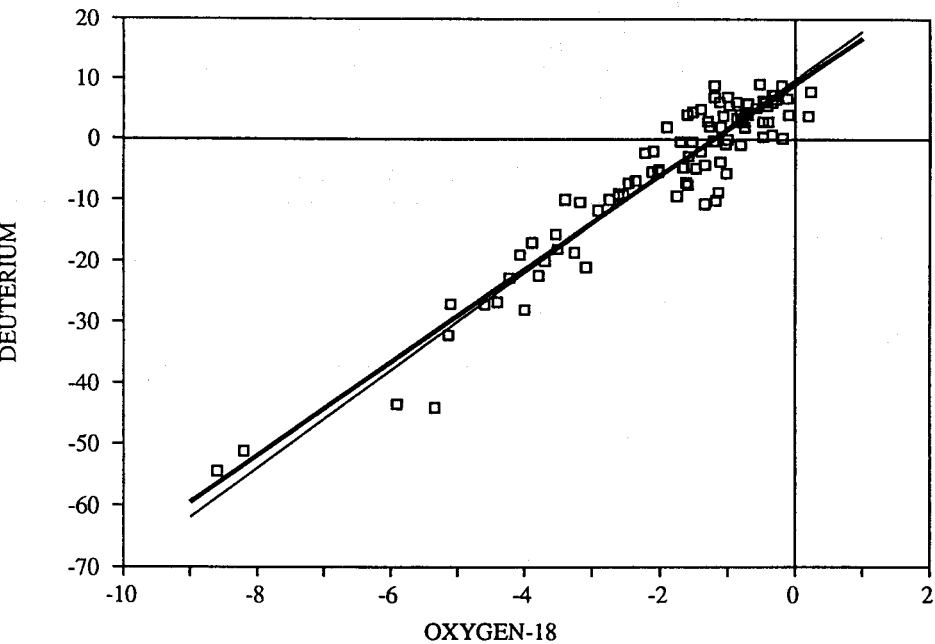
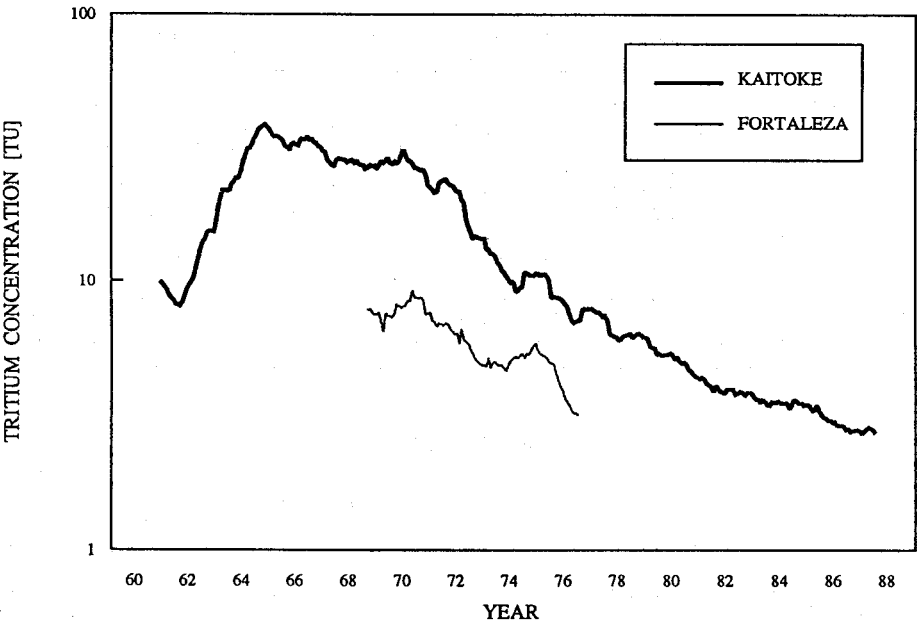
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	113	0.02	0.31	0.65	0.38	0.000	0.83
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	10	0.76	0.16	-0.08	0.21	0.730	0.13
3) Monthly Deut vs. Monthly Precipitation	97	-0.05	0.01	3.16	1.47	0.404	10.40
4) Monthly Oxyg-18 vs. Monthly Prec	126	-0.01	0.00	-0.90	0.17	0.366	1.31
5) Monthly Deut vs. Monthly Temperature	86	4.45	1.74	-123.54	45.97	0.072	13.33
6) Monthly Oxyg-18 vs. Monthly Temp	114	0.81	0.18	-23.24	4.83	0.148	1.57
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	97	7.63	0.26	9.17	0.66	0.898	4.30
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	97	8.05	0.26	9.95	0.78	0.898	4.30

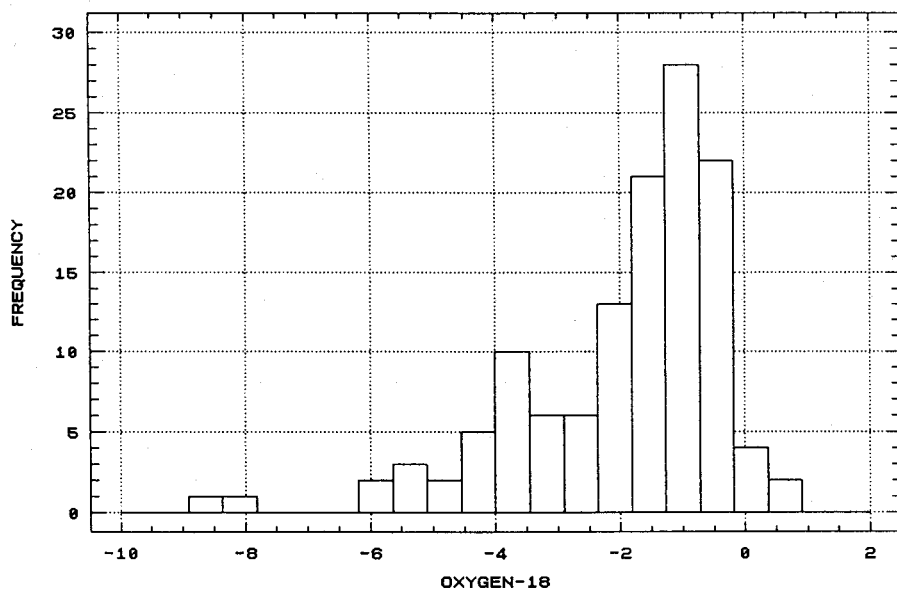
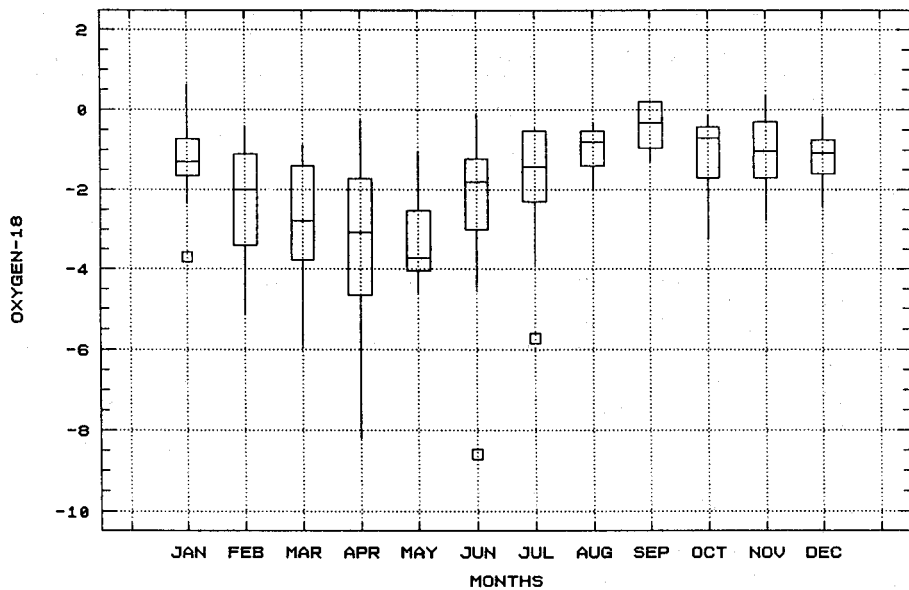
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
75	/ 4	-3.25	-34.1		
76	/ 5	-3.97	-5.6		
76	/ 7	-2.55	4.7		

8239700 FORTALEZA, BRAZIL

Lat. 3.72S Long. 38.55W Alt. 27 m a.s.l.





8259800 CEARA MIRIM, BRAZIL

Lat. 5.80S Long. 35.20W Alt. 8 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp.	Vap. Pr.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1961	1540 (12)	84.0 (0.6/1)	84.0 (0.6/1)	0.20 (0.6/1)	0.20 (0.6/1)	11.2 (0.6/1)	11.2 (0.6/1)	9.6 (0.6/1)	9.6 (0.6/1)	26.0 (12)	25.4 (12)
1962	1157 (12)	47.1 (86.4/7)	51.0 (86.4/7)	-1.10 (63.0/7)	-0.69 (63.0/7)	-3.1 (65.6/7)	-1.4 (65.6/7)	5.9 (48.4/6)	3.9 (48.4/6)	26.3 (12)	25.3 (12)
1963	1193 (12)									26.2 (12)	24.9 (12)
1964	2116 (12)									26.2 (12)	25.3 (12)
1965	1656 (12)	14.9 (95.7/11)	28.6 (95.7/11)	-2.02 (93.2/10)	-1.62 (93.2/10)	-4.7 (93.2/10)	-2.7 (93.2/10)	11.5 (93.2/10)	10.4 (93.2/10)	26.4 (12)	25.7 (12)
1966	1374 (12)	9.7 (75.1/8)	18.8 (75.1/8)	-1.65 (60.6/8)	-1.74 (60.6/8)	-3.1 (60.6/8)	-6.7 (60.6/8)	10.2 (60.6/8)	7.3 (60.6/8)	26.6 (12)	26.2 (12)
1967	1765 (12)	7.5 (28.0/3)	7.4 (28.0/3)	-0.57 (28.0/3)	-0.30 (28.0/3)	-4.5 (28.0/3)	-3.7 (28.0/3)	0.1 (28.0/3)	-1.4 (28.0/3)	25.4 (12)	26.2 (12)
1968	1013 (12)	8.4 (63.2/5)	8.1 (63.2/5)	-1.81 (63.2/5)	-1.51 (63.2/5)	1.5 (63.2/5)	2.7 (63.2/5)	15.9 (63.2/5)	14.8 (63.2/5)	25.2 (12)	25.7 (12)
1969	1385 (12)	7.8 (100.0/12)	8.0 (100.0/12)	-2.32 (76.1/10)	-1.58 (76.1/10)	-6.3 (76.1/10)	-1.7 (76.1/10)	12.3 (76.1/10)	10.9 (76.1/10)	25.5 (12)	26.3 (12)
1970	1130 (12)	8.0 (99.8/11)	8.0 (99.8/11)	-1.36 (99.8/11)	-1.18 (99.8/11)					25.3 (12)	24.8 (12)
1971	1542 (12)	7.0 (100.0/12)	7.4 (100.0/12)	-1.55 (100.0/12)	-1.38 (100.0/12)					25.1 (12)	25.0 (12)
1972	1035 (12)	6.1 (100.0/12)	5.7 (100.0/12)	-2.29 (79.6/9)	-1.48 (79.6/9)	8.6 (1.8/2)	7.3 (1.8/2)	8.4 (1.8/2)	7.8 (1.8/2)	25.5 (12)	25.6 (12)
1973	1635 (12)	5.7 (100.0/12)	5.4 (100.0/12)	-2.91 (99.1/11)	-2.00 (99.1/11)	-13.3 (99.1/11)	-5.9 (99.1/11)	10.1 (99.1/11)	10.2 (99.1/11)	25.7 (12)	26.3 (12)
1974	2098 (12)	5.0 (100.0/12)	5.2 (100.0/12)	-3.64 (100.0/12)	-2.24 (100.0/12)	-18.3 (100.0/12)	-8.3 (100.0/12)	10.9 (100.0/12)	9.7 (100.0/12)	24.9 (12)	25.0 (12)
1975	1033 (12)	4.7 (100.0/12)	4.7 (100.0/12)	-1.91 (100.0/12)	-1.35 (100.0/12)	-4.5 (100.0/12)	-1.2 (100.0/12)	10.9 (100.0/12)	9.7 (100.0/12)	25.4 (12)	24.6 (12)
1976	1003 (12)	3.7 (94.4/11)	3.4 (94.4/11)	-1.96 (75.4/10)	-1.30 (75.4/10)	-2.6 (75.4/10)	2.8 (75.4/10)	13.1 (75.4/10)	13.1 (75.4/10)	24.9 (12)	24.8 (12)
1977	1341 (12)	3.0 (9.8/3)	3.0 (9.8/3)	-1.10 (9.8/3)	-1.05 (9.8/3)					25.4 (12)	25.6 (12)
1978	1163 (12)	2.7 (85.4/7)	2.8 (85.4/7)	-1.57 (85.4/7)	-1.45 (85.4/7)	-6.7 (85.4/7)	-5.3 (85.4/7)	6.0 (85.4/7)	6.4 (85.4/7)	25.3 (12)	26.5 (12)
1979	817 (12)	3.0 (23.7/4)	2.5 (23.7/4)	-2.56 (23.7/4)	-2.01 (23.7/4)	-8.6 (29.4/4)	-6.0 (29.4/4)	9.4 (15.6/3)	9.0 (15.6/3)	25.8 (12)	26.0 (12)
1980	1097 (10)	4.5 (35.7/3)	5.8 (35.7/3)	-0.96 (35.7/3)	-1.12 (35.7/3)	3.8 (35.7/3)	2.3 (35.7/3)	11.4 (35.7/3)	11.3 (35.7/3)		
1981	875 (9)	3.2 (25.0/3)	3.2 (25.0/3)								26.0 (12)
1982	2367 (10)	2.2 (100.0/8)	2.0 (100.0/8)	-2.42 (100.0/10)	-1.85 (100.0/10)	-6.8 (100.0/10)	-2.6 (100.0/10)	12.7 (100.0/10)	12.2 (100.0/10)		
1983	742 (12)									26.8 (12)	26.0 (12)
Long Term Means 1324 σ				-2.30 0.67	-1.58 0.32	-9.1 5.4	-3.1 3.3	11.0 2.3	10.3 2.0	25.7 0.5	25.6 0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	65	22	-1.54	1.05	10	-7.4	12.5	7	6.1	4.0	7	26.7	0.7	22	26.3	1.4	23
Feb	108	22	-1.49	0.97	14	-5.0	7.6	11	7.6	6.4	11	26.8	0.7	23	26.8	1.1	23
Mar	191	22	-2.22	1.21	15	-10.9	10.0	12	9.7	2.8	12	26.6	0.6	23	27.1	1.0	23
Apr	213	23	-3.45	1.62	13	-16.0	15.0	9	11.5	5.5	9	26.4	0.7	23	27.5	0.8	23
May	193	23	-2.40	0.89	12	-10.5	4.8	9	11.5	4.6	8	25.7	0.6	23	26.9	1.4	23
Jun	195	23	-1.41	0.68	13	-1.7	4.7	11	10.4	4.4	10	24.9	0.6	23	26.1	1.2	23
Jul	176	22	-1.53	0.60	13	0.2	6.6	9	13.2	2.8	9	24.2	0.7	22	24.5	1.2	22
Aug	84	22	-1.04	1.25	11	0.2	11.7	8	9.2	4.7	8	24.2	0.7	22	23.9	0.9	22
Sep	57	22	-0.80	0.75	13	3.9	7.4	11	9.7	7.2	11	25.0	0.8	22	24.0	1.3	22
Oct	23	22	-0.24	0.69	10	7.1	4.7	8	8.3	3.6	8	25.7	0.9	22	24.0	0.7	22
Nov	21	23	-0.72	0.68	12	3.6	5.7	10	8.7	4.1	10	26.1	0.8	23	24.7	1.2	23
Dec	28	23	-0.67	0.62	12	4.9	5.2	10	9.4	2.3	10	26.5	0.9	23	25.5	1.1	23

CORRELATIONS

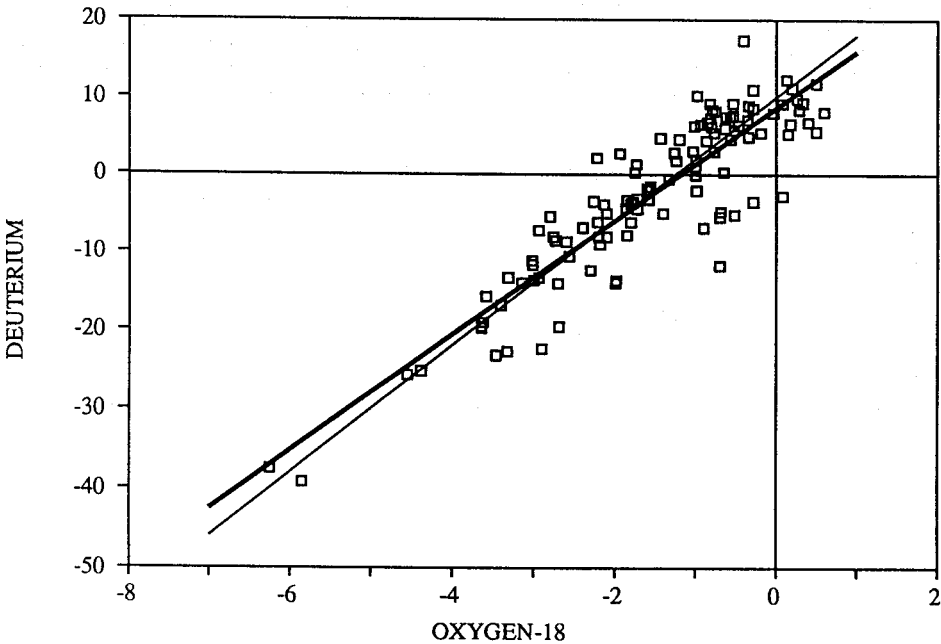
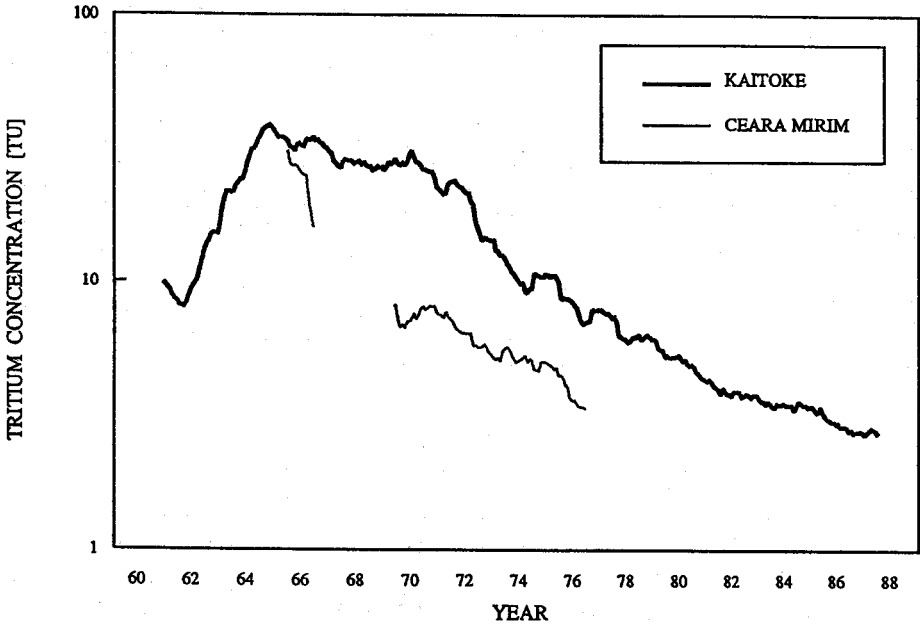
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	155	0.68	0.15	-0.00	0.18	0.112	0.63
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	13	0.64	0.26	0.09	0.31	0.351	0.29
3) Monthly Deut vs. Monthly Precipitation	115	-0.05	0.01	3.04	1.30	0.235	9.35
4) Monthly Oxyg-18 vs. Monthly Prec	148	-0.01	0.00	-0.72	0.13	0.298	1.06
5) Monthly Deut vs. Monthly Temperature	113	-1.62	0.91	38.68	23.18	0.028	10.59
6) Monthly Oxyg-18 vs. Monthly Temp	146	-0.11	0.10	1.30	2.46	0.009	1.27
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	113	7.30	0.33	8.56	0.67	0.812	4.68
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	113	8.10	0.33	9.79	0.80	0.812	4.68

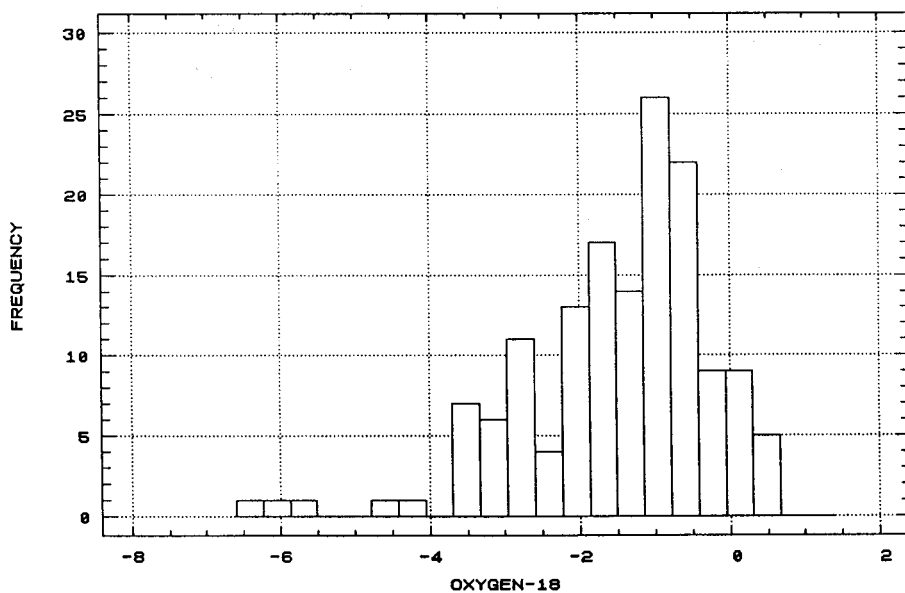
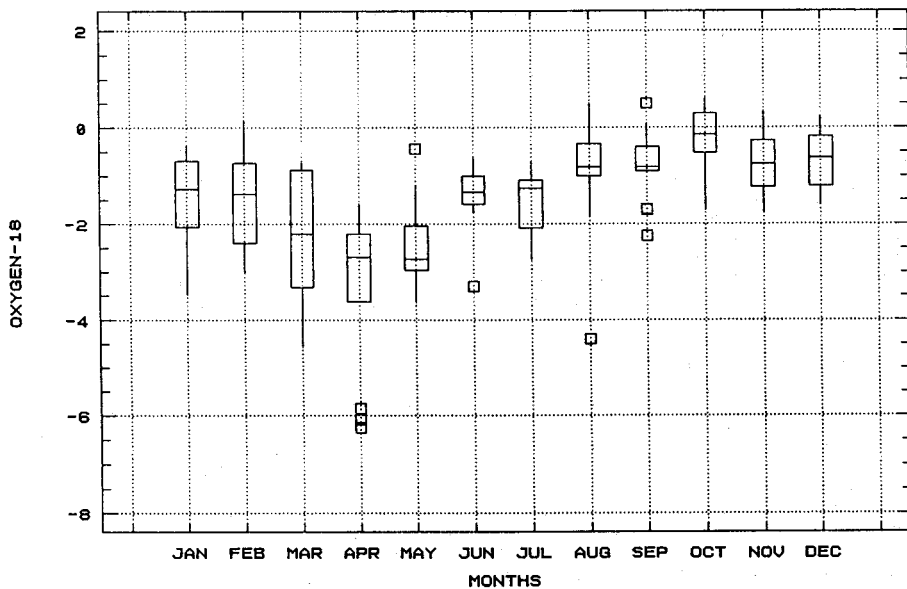
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
62 / 1	1.50	1.2		
66 / 4	-1.70	-49.1		
69 / 5	-5.37	-10.2		
73 / 8	-5.00	9.7		
76 / 5	-3.00	11.6		

8259800 CEARA MIRIM, BRAZIL

Lat. 5.80S Long. 35.20W Alt. 8 m a.s.l.





8282500 PORTO VELHO, BRAZIL

Lat. 8.77S Long. 63.92W Alt. 105 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1965	1893 (12)	78.4 (5.4/2)	73.4	-1.76 (15.7/3)	-0.54	-0.2 (15.7/3)	8.1	13.9 (15.7/3)	12.4	25.9 (12)	26.9 (12)
1966	2410 (12)	55.0 (63.8/6)	48.5	-5.18 (84.9/8)	-5.13	-28.2 (84.9/8)	-26.7	13.2 (84.9/8)	14.4	25.9 (12)	26.7 (12)
1967	2096 (12)	32.9 (8.5/1)	32.9							25.9 (12)	27.4 (12)
1968	1973 (12)	29.6 (10.7/1)	29.6							26.0 (12)	28.5 (12)
1969	2123 (12)	18.8 (16.2/1)	18.8	-6.56 (16.2/1)	-6.56	-38.6 (16.2/1)	-38.6	13.9 (16.2/1)	13.9	26.5 (12)	29.2 (12)
1971	2077 (12)	24.5 (38.1/3)	24.3	-4.50 (38.1/3)	-4.34					25.2 (12)	
1972	2506 (12)	14.8 (100.0/12)	14.9	-7.03 (78.8/9)	-5.88	-21.4 (18.6/2)	-20.9	12.2 (18.6/2)	12.1	25.1 (12)	28.0 (12)
1973	2480 (12)	12.2 (100.0/12)	11.9	-7.05 (100.0/12)	-5.34	-43.8 (100.0/12)	-31.6	12.7 (100.0/12)	11.2	24.4 (12)	26.6 (12)
1974	2817 (12)	13.0 (100.0/12)	14.3	-6.06 (82.6/11)	-6.05	-37.3 (82.6/11)	-37.5	11.2 (82.6/11)	11.0	24.4 (12)	27.9 (12)
1975	2529 (12)	9.8 (92.2/10)	10.1	-7.98 (88.1/9)	-5.63	-54.0 (88.1/9)	-34.9	9.9 (88.1/9)	10.2	24.8 (12)	27.8 (12)
1976	2089 (12)	9.1 (95.1/9)	9.0	-7.63 (95.1/9)	-6.40	-51.5 (95.1/9)	-41.4	9.6 (95.1/9)	9.9	24.9 (12)	27.8 (12)
1977	2428 (12)	11.5 (11.2/1)	11.5	-0.03 (11.2/1)	-0.03	11.3 (11.2/1)	11.3	11.6 (11.2/1)	11.6	25.2 (12)	27.6 (12)
1978	2221 (12)	8.2 (34.8/6)	7.9	-5.44 (34.8/6)	-4.39	-36.6 (34.8/6)	-27.9	7.0 (34.8/6)	7.2	25.1 (12)	29.0 (12)
1979	2255 (12)									25.0 (12)	29.9 (12)
1980	2522 (12)	7.0 (76.0/8)	7.3	-3.42 (60.5/6)	-2.61	-26.1 (65.8/7)	-21.3	2.0 (60.5/6)	1.8		29.4 (12)
1981	2196 (10)	7.0 (39.6/6)	7.5	-5.33 (66.4/8)	-5.98	-37.5 (20.9/4)	-40.3	9.9 (20.9/4)	8.3		
1982	2074 (11)										
1983	1767 (9)										
Long Term Means 2210				-6.82	-5.74	-43.0	-34.4	11.4	11.3	25.3	28.1
σ				1.04	0.47	10.5	5.6	1.6	1.7	0.6	1.0

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	344	17	-6.49	3.71	9	-42.7	33.0	7	10.2	2.9	7	25.4	0.6	17	29.2	1.4	17
Feb	333	17	-9.56	3.09	7	-65.8	26.2	6	9.8	2.8	6	25.3	0.8	17	29.1	1.3	17
Mar	291	18	-7.30	1.63	7	-48.5	15.0	5	9.3	5.9	5	25.2	0.7	18	29.2	1.3	18
Apr	226	18	-7.70	4.18	8	-50.2	33.3	6	10.3	6.6	6	25.4	0.7	18	29.4	1.1	18
May	117	18	-5.25	4.33	6	-37.8	33.6	5	7.5	9.2	5	25.2	0.8	17	28.6	1.3	18
Jun	39	17	-4.23	3.05	6	-28.6	27.5	5	9.9	3.0	5	24.5	1.0	17	26.5	1.1	17
Jul	30	18	-2.56	3.54	5	-15.2	31.2	4	8.7	1.2	4	24.2	1.5	18	24.7	2.3	18
Aug	54	18	-4.39	3.33	4	-24.9	29.4	4	10.2	3.5	4	25.4	1.2	18	25.9	2.2	18
Sep	125	18	-1.23	3.49	8	4.1	17.3	8	10.4	3.9	7	25.6	1.0	18	27.9	2.1	18
Oct	194	17	-3.45	2.19	10	-17.4	22.1	9	9.9	5.1	9	25.8	0.7	17	29.2	2.0	17
Nov	221	17	-4.92	3.22	10	-25.5	24.1	9	12.4	5.5	9	25.5	1.0	17	29.1	2.2	16
Dec	317	17	-4.11	1.27	6	-25.3	10.9	5	9.8	7.1	5	25.5	1.1	17	28.8	1.7	17

CORRELATIONS

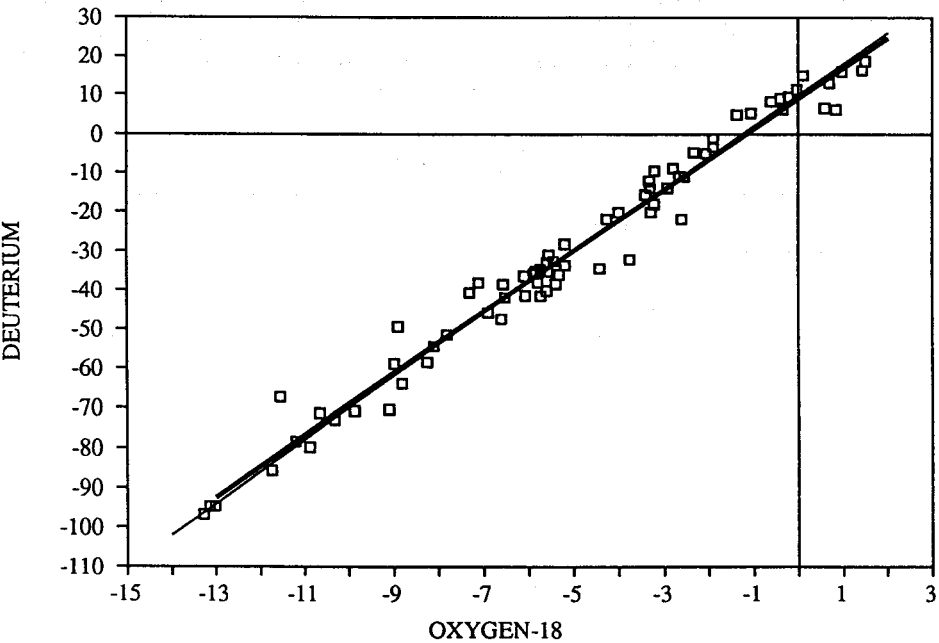
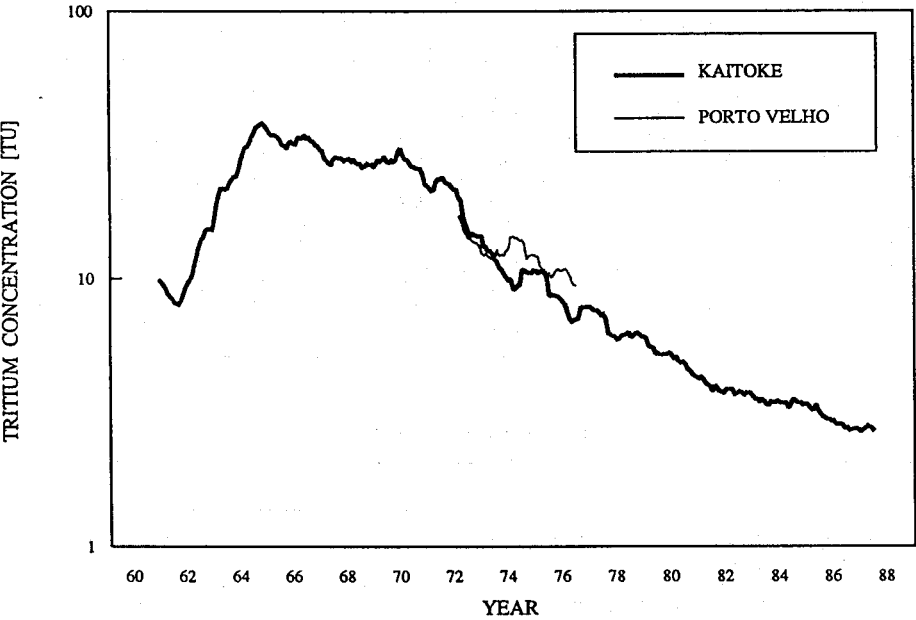
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	89	0.71	0.06	0.37	0.07	0.581	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	6	0.62	0.13	0.43	0.13	0.844	0.05
3) Monthly Deut vs. Monthly Precipitation	73	-0.10	0.02	-9.46	6.09	0.185	27.14
4) Monthly Oxyg-18 vs. Monthly Prec	86	-0.01	0.00	-2.57	0.72	0.173	3.41
5) Monthly Deut vs. Monthly Temperature	71	3.67	3.23	-122.52	80.81	0.018	29.88
6) Monthly Oxyg-18 vs. Monthly Temp	83	0.32	0.39	-13.31	9.88	0.008	3.75
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	72	7.80	0.15	9.03	0.93	0.975	4.75
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	72	7.90	0.15	9.52	1.07	0.975	4.75

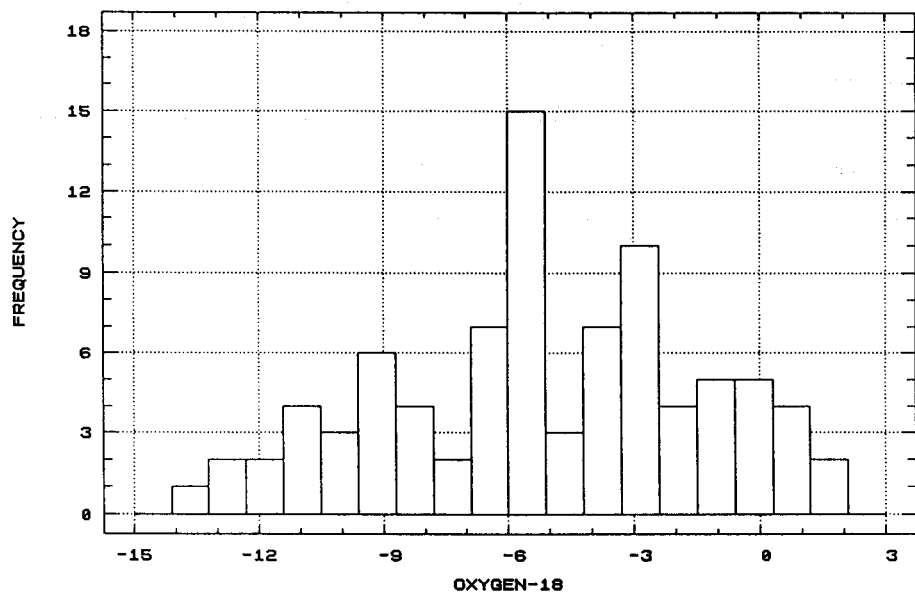
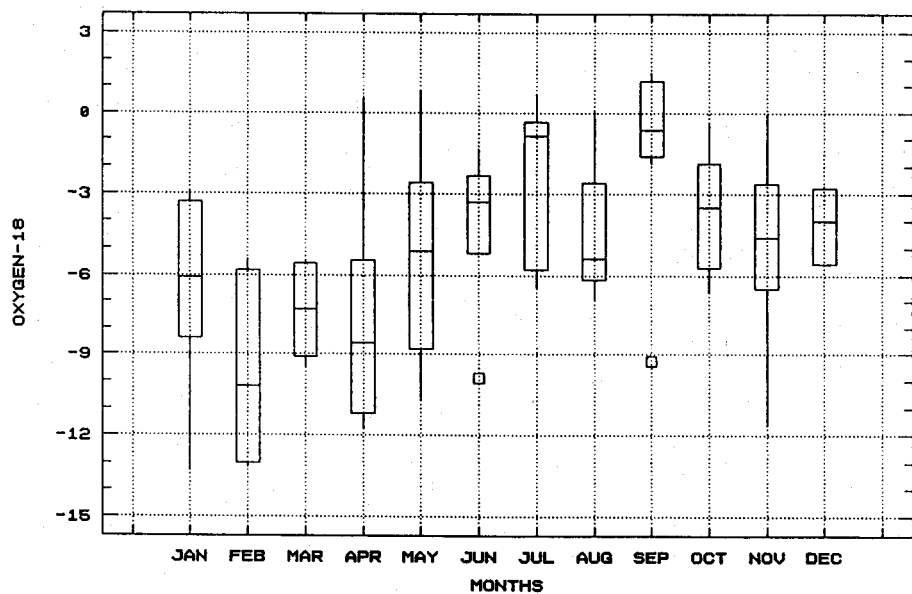
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
74	/ 12	-1.95	-34.5		
75	/ 5	-5.73	-11.6		

8282500 PORTO VELHO, BRAZIL

Lat. 8.77S Long. 63.92W Alt. 105 m a.s.l.





8322900 SALVADOR (ONDINA), BRAZIL

Lat. 13.00S Long. 38.52W Alt. 45 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1965	2089 (12)	23.1 (96.3/11)	19.5	-1.87 (96.3/11)	-1.46	-2.7 (91.5/10)	0.5	12.5 (91.5/10)	12.2	25.0 (12)	25.8 (12)
1966	2164 (12)	11.3 (95.8/11)	13.1	-1.78 (90.3/11)	-1.80	-6.5 (90.3/11)	-6.2	7.8 (90.3/11)	8.3	25.1 (12)	25.7 (12)
1967	1944 (12)	9.0 (100.0/12)	10.3	-1.06 (73.3/8)	-0.93	-1.0 (79.8/11)	-0.2	7.1 (73.3/8)	6.1	25.2 (12)	25.7 (12)
1968	2480 (12)	11.6 (100.0/12)	12.0	-1.81 (82.2/11)	-1.78	-2.5 (100.0/12)	-2.3	11.4 (82.2/11)	11.9	24.4 (12)	25.3 (12)
1969	2455 (12)	6.9 (100.0/12)	8.0	-1.68 (93.1/10)	-1.91	-2.7 (93.1/10)	-5.5	10.8 (93.1/10)	9.8	25.3 (12)	24.6 (12)
1970	1937 (12)	8.0 (100.0/12)	8.3	-0.96 (76.0/10)	-1.45					25.2 (12)	25.9 (12)
1971	2807 (12)	6.9 (100.0/12)	7.5	-1.80 (100.0/12)	-1.13					25.3 (12)	26.4 (12)
1972	1765 (12)	5.5 (100.0/12)	5.7	-1.28 (71.8/9)	-1.45	-12.1 (6.2/2)	-10.2	6.9 (6.2/2)	7.3	25.6 (12)	26.3 (12)
1973	2480 (12)	5.0 (90.6/10)	4.9	-1.49 (90.6/10)	-1.19	1.6 (90.6/10)	2.8	13.5 (90.6/10)	12.3	26.0 (12)	26.8 (12)
1974	2550 (12)	4.8 (100.0/12)	5.3	-2.41 (100.0/12)	-1.76	-7.4 (100.0/12)	-2.3	11.9 (100.0/12)	11.8	25.2 (12)	25.2 (12)
1975	2667 (12)	5.1 (93.6/11)	4.7	-2.37 (64.5/9)	-1.38	-3.9 (93.6/11)	0.9	13.0 (64.5/9)	11.6	25.1 (12)	25.4 (12)
1976	1419 (12)	3.1 (98.9/11)	3.3	-1.30 (98.9/11)	-1.28	1.5 (98.9/11)	1.4	11.9 (98.9/11)	11.6	25.0 (12)	25.2 (12)
1983	1275 (10)			-1.23 (54.8/9)	-1.16	4.9 (54.8/9)	4.8	14.8 (54.8/9)	14.1		
1984	2295 (11)			-1.38 (100.0/9)	-1.15	-2.9 (53.3/7)	-0.3	7.9 (53.3/7)	9.4		
1985	2545 (11)			-2.22 (97.2/9)	-1.16	-22.4 (43.9/2)	-11.0	7.8 (43.9/2)	6.2		
1986	2129 (12)			-1.58 (100.0/12)	-1.26						
1987	797 (6)			-2.03 (37.8/6)	-1.90						
Long Term											
Means 2106				-1.73	-1.45	-2.9	-1.3	11.4	11.1	25.2	25.7
σ				0.39	0.29	3.1	3.0	1.8	1.5	0.3	0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	92	16	-1.58	1.58	13	-3.8	17.7	9	9.5	3.4	8	26.4	0.6	12	27.0	1.1	12
Feb	127	16	-1.61	1.42	15	-2.9	10.9	11	11.6	1.6	10	26.4	0.6	12	27.6	1.0	12
Mar	149	17	-1.51	1.36	16	-3.6	14.7	10	10.9	4.2	10	26.7	0.8	12	27.9	1.0	12
Apr	392	17	-2.60	1.55	15	-10.1	14.9	9	11.9	3.0	9	26.0	0.4	12	27.0	2.0	12
May	378	17	-1.23	0.75	14	0.1	4.6	11	11.5	4.5	9	24.9	0.4	12	25.9	1.7	12
Jun	244	15	-1.27	0.59	14	0.8	6.7	10	11.2	5.4	10	24.2	0.6	12	24.1	1.9	12
Jul	186	17	-0.69	0.72	16	5.4	4.9	11	10.2	4.5	10	23.6	0.5	12	23.1	0.7	12
Aug	148	16	-0.75	0.52	14	3.6	5.5	9	10.2	4.6	9	23.5	0.5	12	23.0	0.8	12
Sep	113	16	-1.40	1.90	15	1.0	5.7	11	8.8	4.2	11	23.9	1.2	12	23.5	1.6	12
Oct	131	15	-1.34	0.65	11	2.8	4.7	8	14.0	5.3	7	24.9	0.5	12	25.1	0.9	12
Nov	125	16	-1.62	0.92	13	-4.9	7.0	10	10.5	2.2	10	25.5	0.4	12	26.9	1.3	12
Dec	107	16	-1.43	0.75	13	-1.6	9.7	9	9.3	6.6	9	25.9	0.4	12	26.9	0.7	12

CORRELATIONS

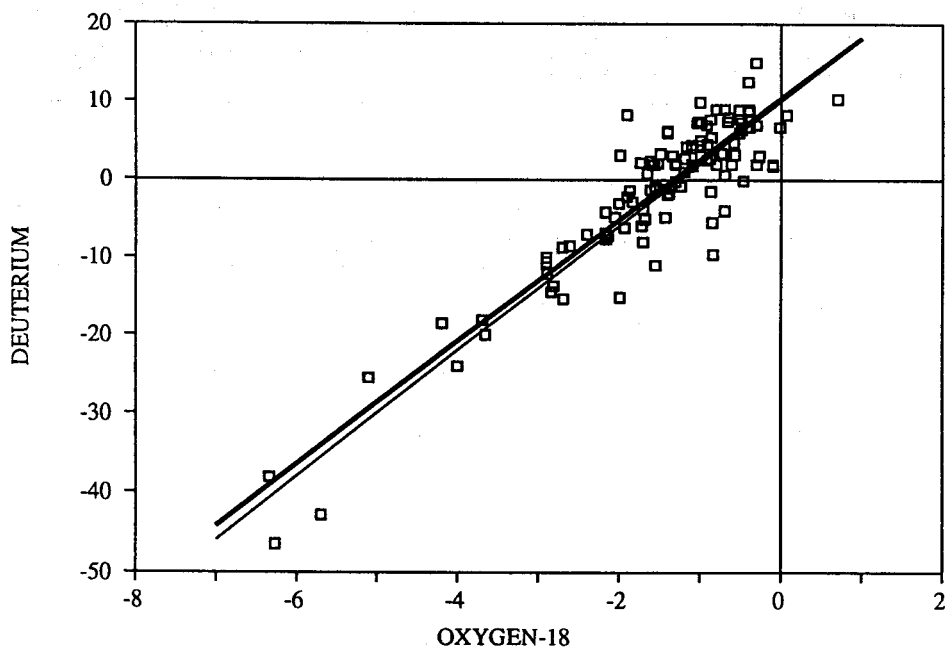
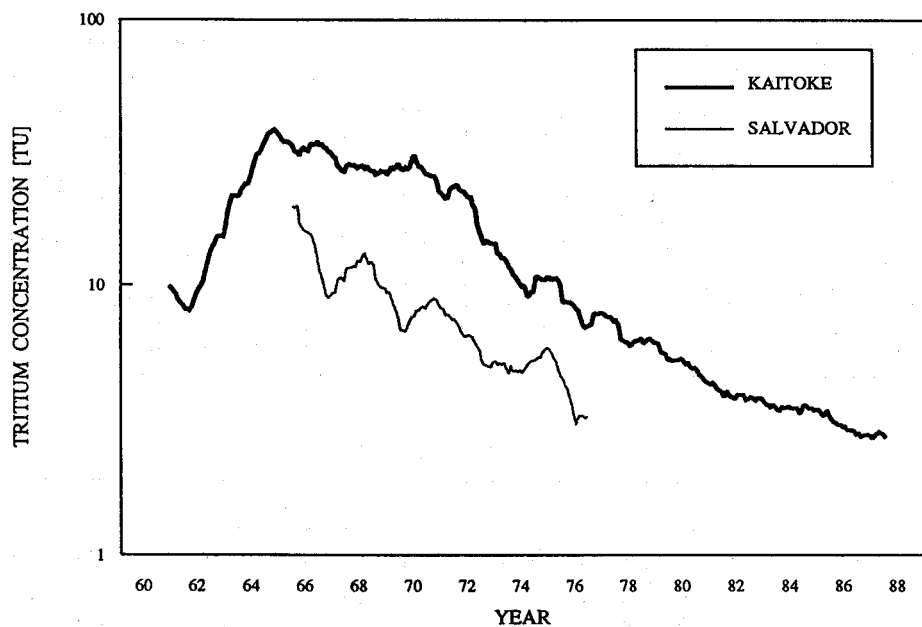
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	136	0.68	0.07	-0.01	0.08	0.453	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	12	0.77	0.16	-0.12	0.21	0.696	0.13
3) Monthly Deut vs. Monthly Precipitation	118	-0.02	0.01	2.44	1.43	0.078	9.81
4) Monthly Oxyg-18 vs. Monthly Prec	169	-0.00	0.00	-0.98	0.15	0.083	1.18
5) Monthly Deut vs. Monthly Temperature	100	-2.35	0.78	57.55	19.50	0.086	9.95
6) Monthly Oxyg-18 vs. Monthly Temp	124	-0.27	0.09	5.28	2.27	0.068	1.27
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	112	7.81	0.33	10.44	0.64	0.832	4.28
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	112	8.57	0.33	11.57	0.76	0.832	4.28

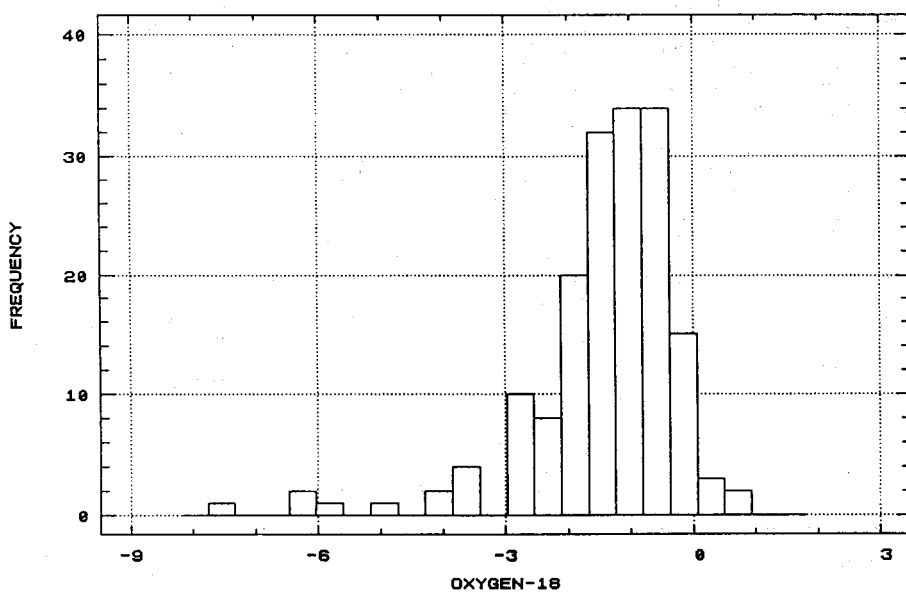
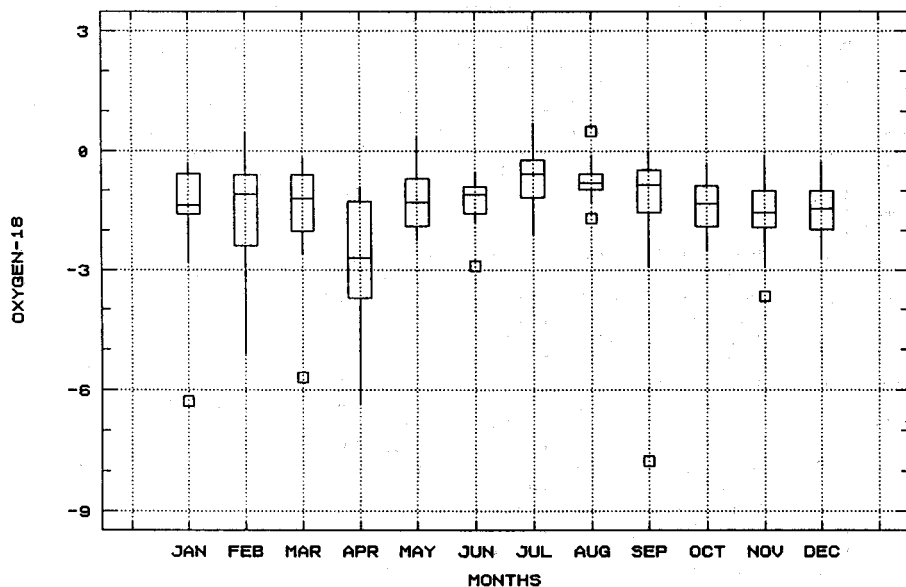
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
66 / 4	-5.20	-54.5		
84 / 12	0.60	-11.0		
85 / 1	-0.10	-10.0		

8322900 SALVADOR (ONDINA), BRAZIL

Lat. 13.00S Long. 38.52W Alt. 45 m a.s.l.





8336100 CUIABA, BRAZIL

Lat. 15.60S Long. 56.10W Alt. 165 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	1186 (12)			-3.58 (24.4/2)	-3.50	-22.2 (24.4/2)	-21.5	6.5 (24.4/2)	6.6	26.4 (12)	23.4 (12)
1962	1102 (12)			-6.24 (100.0/11)	-3.67	-37.4 (100.0/11)	-20.3	12.5 (100.0/11)	9.1	25.7 (12)	23.2 (12)
1963	1140 (12)			-8.17 (64.9/6)	-5.05	-51.6 (64.9/6)	-29.1	13.8 (64.9/6)	11.4	26.5 (12)	22.9 (12)
1964	1273 (12)									26.1 (12)	23.5 (12)
1965	1446 (12)	50.9 (76.3/6)	48.8	-5.42 (76.5/7)	-4.29	-30.2 (76.5/7)	-22.9	13.2 (76.5/7)	11.5	26.3 (12)	23.7 (12)
1966	1123 (12)	46.4 (77.4/8)	50.8	-2.38 (95.3/10)	-1.54	-11.4 (95.3/10)	-4.4	7.7 (95.3/10)	8.1	26.2 (12)	23.1 (12)
1967	1364 (12)	40.9 (29.9/2)	40.6	-5.53 (29.9/2)	-5.93	-24.8 (29.9/2)	-28.0	19.5 (29.9/2)	19.5	25.7 (12)	24.3 (12)
1968	1566 (12)	46.7 (100.0/10)	45.1	-7.51 (100.0/10)	-4.86	-47.5 (100.0/10)	-24.0	12.7 (100.0/10)	14.9	24.4 (12)	23.4 (12)
1969	1119 (12)	26.4 (100.0/11)	24.1	-4.58 (99.9/10)	-3.79	-29.5 (99.9/10)	-23.5	7.2 (99.9/10)	6.9	25.5 (12)	24.0 (12)
1970	1307 (12)	30.5 (99.9/9)	31.3	-3.58 (99.9/9)	-2.89	-16.4 (77.8/9)	-11.7	2.3 (77.8/8)	4.5	25.7 (12)	24.3 (12)
1971	1247 (12)	25.4 (90.8/10)	26.7	0.76 (66.9/7)	0.42					24.8 (12)	24.0 (12)
1972	1478 (12)	20.0 (100.0/12)	18.6	-5.54 (80.5/8)	-4.18	-42.2 (44.0/2)	-40.4	3.2 (44.0/2)	1.9	25.6 (12)	24.7 (12)
1973	1386 (12)	15.9 (87.1/10)	16.8	-5.77 (72.4/9)	-3.92	-40.0 (72.4/9)	-24.7	6.2 (72.4/9)	6.6	25.9 (12)	24.5 (12)
1974	1370 (12)	15.0 (95.2/8)	16.9	-8.82 (95.6/11)	-5.73	-60.5 (95.6/11)	-36.2	10.2 (95.6/11)	9.8	25.6 (12)	23.3 (12)
1975	1275 (12)	14.7 (99.2/10)	17.0	-5.25 (99.2/10)	-5.39	-29.9 (99.2/10)	-31.7	12.2 (99.2/10)	11.4	25.6 (12)	23.0 (12)
1976	1363 (12)	12.3 (93.7/10)	13.3	-6.13 (100.0/12)	-4.20	-33.0 (100.0/12)	-18.0	16.1 (100.0/12)	15.6	25.3 (12)	23.0 (12)
1977	1562 (12)	11.6 (100.0/12)	12.4	-3.21 (93.3/11)	-2.15	-13.4 (93.3/11)	-7.0	12.3 (93.3/11)	10.3	25.5 (12)	24.6 (12)
1978	1202 (12)	10.2 (78.2/9)	10.3	-6.55 (78.2/9)	-6.45	-37.0 (69.8/8)	-36.7	14.4 (69.8/8)	13.7	25.8 (12)	24.1 (12)
1979	1255 (12)	9.0 (95.8/8)	9.4	-4.23 (79.1/6)	-3.57	-30.3 (79.1/6)	-24.3	3.5 (79.1/6)	4.3	26.1 (12)	24.4 (12)
1980	1456 (12)	8.3 (45.9/6)	8.2	-3.55 (45.9/6)	-3.50	-22.7 (37.4/5)	-22.1	10.3 (37.4/5)	9.9	25.9 (12)	24.9 (12)
1981	1177 (12)	8.2 (89.9/7)	8.4	-6.92 (55.6/5)	-6.50	-39.1 (81.3/6)	-40.1	8.3 (55.6/5)	8.2	25.6 (12)	24.3 (12)
1982	1284 (12)	6.0 (61.4/6)	6.4	-9.45 (61.4/6)	-7.62	-65.3 (61.4/6)	-50.4	10.3 (61.4/6)	10.6	25.9 (12)	26.6 (12)
1983	1698 (12)			-4.27 (73.9/8)	-3.74	-24.7 (73.9/8)	-21.3	9.5 (73.9/8)	8.7	26.6 (12)	26.8 (12)
1984	415 (3)			-4.68 (32.5/3)	-4.00	-28.5 (32.5/3)	-24.4	8.9 (32.5/3)	7.7		
1985	1243 (12)			-5.80 (91.1/9)	-4.92	-41.1 (100.0/10)	-35.1	6.8 (91.1/9)	6.6	26.0 (12)	24.9 (12)
1986	1456 (12)			-4.26 (96.8/10)	-3.45	-21.3 (96.8/10)	-16.1	12.8 (96.8/10)	11.5	26.0 (12)	24.9 (12)
1987	891 (6)			-4.66 (69.9/6)	-4.49	-27.7 (69.9/6)	-25.7	9.6 (69.9/6)	10.2		
Long Term Means 1273 σ				-5.33 1.68	-4.07 1.30	-31.9 13.5	-22.5 10.7	10.4 4.1	9.6 3.5	25.8 0.5	24.2 0.9

MONTHLY MEANS

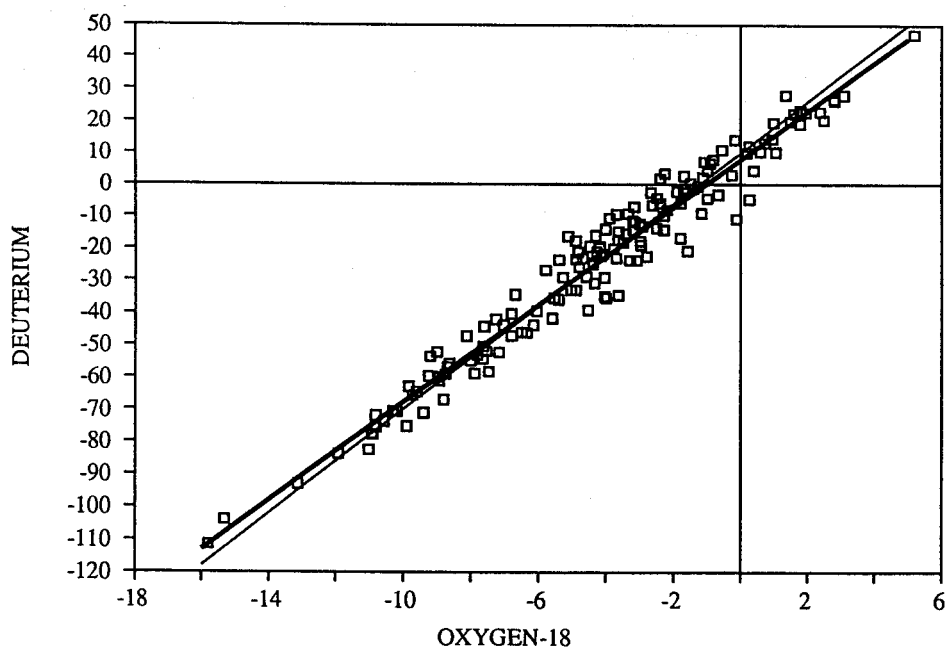
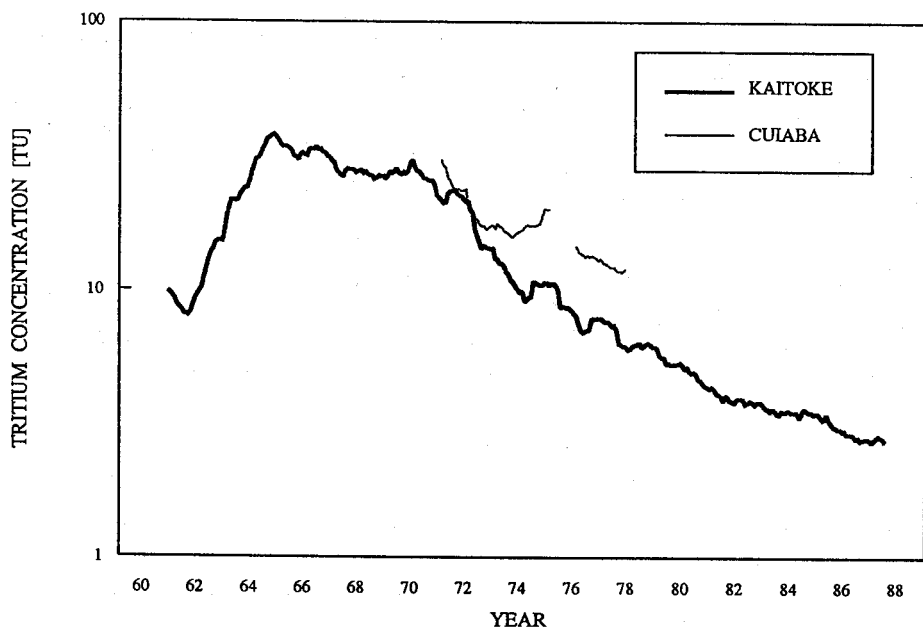
Month	Mean Prec.			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>		
Jan	197	27	-5.37	3.51	21	-36.0	23.3	19	9.5	6.4	19	26.7	0.7	27	27.9	1.2	27	
Feb	205	27	-7.07	4.15	20	-48.5	31.8	19	9.2	4.6	19	26.4	0.5	27	27.9	1.5	27	
Mar	177	27	-6.89	3.08	21	-45.8	25.4	19	8.9	6.0	18	26.3	0.8	27	27.8	1.2	27	
Apr	119	26	-6.08	2.61	21	-39.3	18.7	21	9.3	4.8	21	26.0	1.0	26	26.7	1.6	26	
May	46	26	-4.08	2.51	20	-21.3	17.8	17	10.9	7.1	17	24.4	1.2	26	23.4	1.8	26	
Jun	20	26	-2.99	2.44	10	-13.7	15.9	10	11.3	7.5	9	23.3	1.4	26	20.4	1.7	26	
Jul	10	25	-1.10	2.30	10	-4.0	16.5	8	8.9	4.7	8	23.1	1.8	25	18.0	2.2	25	
Aug	13	25	1.69	1.79	9	21.0	13.3	9	7.5	5.4	9	25.0	1.2	25	18.3	2.7	25	
Sep	61	25	1.05	1.32	17	14.6	8.5	15	6.5	6.5	15	26.5	1.7	25	21.3	2.3	25	
Oct	127	25	-2.22	1.63	13	-3.6	12.2	13	14.2	4.4	13	27.3	0.9	25	24.7	1.7	25	
Nov	162	25	-3.87	2.28	21	-20.9	15.4	20	11.1	7.3	20	27.2	0.8	25	26.4	1.6	25	
Dec	185	25	-5.18	3.47	20	-34.8	21.5	20	10.1	7.2	19	27.1	1.1	25	26.9	2.0	25	

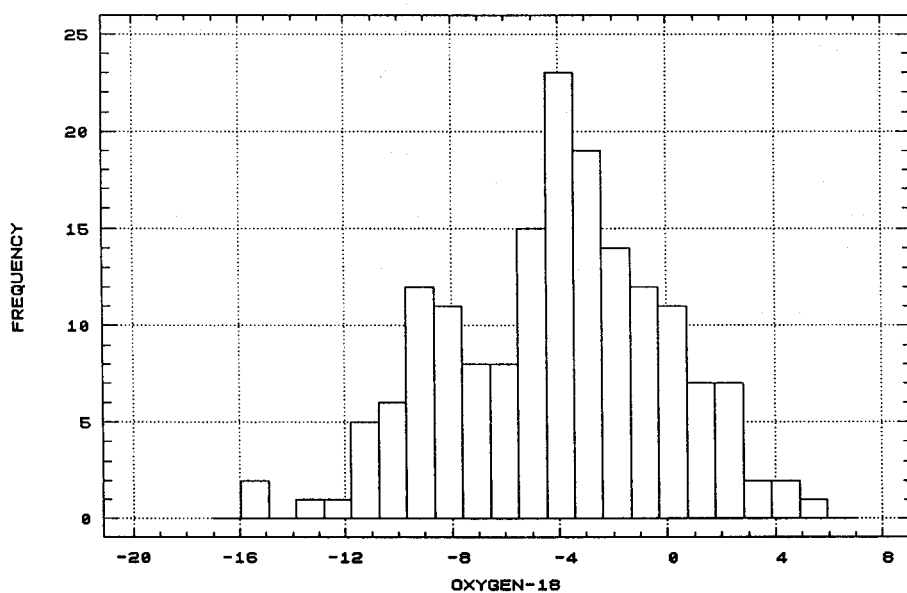
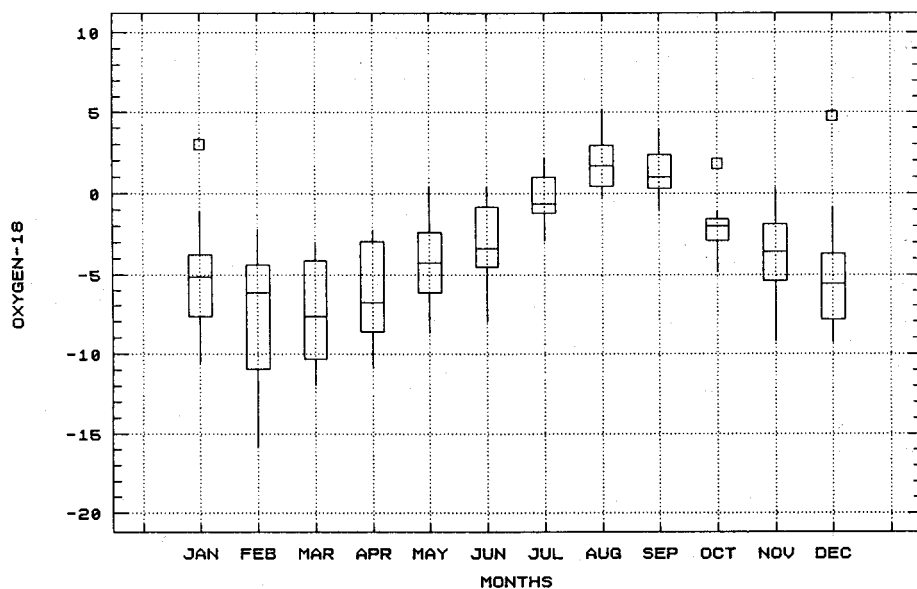
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	153	0.70	0.04	0.48	0.04	0.723	0.15
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	15	0.77	0.07	0.42	0.08	0.915	0.08
3) Monthly Deut vs. Monthly Precipitation	190	-0.14	0.02	-5.73	3.22	0.206	25.52
4) Monthly Oxyg-18 vs. Monthly Prec	203	-0.02	0.00	-1.70	0.42	0.192	3.43
5) Monthly Deut vs. Monthly Temperature	190	-1.41	1.35	12.75	35.25	0.006	28.56
6) Monthly Oxyg-18 vs. Monthly Temp	203	-0.20	0.17	1.05	4.46	0.007	3.80
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	187	7.55	0.12	7.88	0.67	0.956	5.99
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	187	7.72	0.12	8.61	0.80	0.956	5.99

8336100 CUIABA, BRAZIL

Lat. 15.60S Long. 56.10W Alt. 165 m a.s.l.





8337800 BRASILIA (AIRPORT), BRAZIL

Lat. 15.85S Long. 47.93W Alt. 1061 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1963	1324 (12)									21.3 (12)	15.4 (12)
1964	1951 (12)									20.0 (12)	17.0 (12)
1965	1994 (12)	41.3 (87.9/9)	37.3	-4.83 (78.1/9)	-3.28	-25.1 (78.1/9)	-12.6	13.7 (78.1/9)	13.7	20.3 (12)	17.3 (12)
1966	1687 (12)	40.6 (86.3/8)	40.5	-6.50 (90.8/8)	-4.67	-40.4 (90.8/8)	-26.0	11.7 (90.8/8)	11.4	20.3 (12)	17.5 (12)
1967	1269 (12)	29.5 (82.5/7)	31.0	-5.80 (99.6/8)	-4.58	-31.7 (99.6/8)	-22.8	14.8 (99.6/8)	13.9	20.6 (12)	16.8 (12)
1968	1282 (12)	29.0 (71.9/8)	33.7	-4.42 (93.1/9)	-4.28	-21.8 (93.1/9)	-20.6	13.6 (93.1/9)	13.7	19.7 (12)	16.3 (12)
1969	1492 (12)	27.4 (79.6/8)	24.0	-5.30 (53.6/6)	-3.92	-29.9 (53.6/6)	-20.5	12.5 (53.6/6)	10.9	20.8 (12)	16.3 (12)
1970	1718 (12)	21.2 (99.9/8)	22.8	-2.43 (76.6/7)	-3.57	-14.2 (88.6/8)	-20.3	3.3 (76.6/7)	5.7	20.6 (12)	16.5 (12)
1971	1827 (12)	21.0 (99.9/11)	20.1	-3.99 (99.9/11)	-2.84					20.4 (12)	16.4 (12)
1972	1471 (12)	16.6 (38.6/7)	15.3	-3.45 (28.5/6)	-3.29	-8.7 (17.8/2)	4.3	13.9 (17.8/2)	14.0	20.9 (12)	16.5 (12)
1973	1451 (12)	14.9 (93.3/8)	15.6	-5.69 (76.3/6)	-5.13	-33.6 (87.5/7)	-29.1	11.2 (76.3/6)	11.8	21.3 (12)	16.7 (12)
1974	1275 (12)	16.2 (100.0/9)	15.9	-6.69 (100.0/9)	-5.54	-43.0 (100.0/9)	-34.2	10.6 (100.0/9)	10.2	20.6 (12)	16.3 (12)
1975	1332 (12)	13.8 (100.0/10)	13.1	-4.84 (100.0/10)	-3.81	-28.8 (100.0/10)	-19.5	10.0 (100.0/10)	11.0	20.5 (12)	16.2 (12)
1976	1505 (12)	10.3 (100.0/10)	10.7	-4.46 (92.4/8)	-3.67	-21.3 (92.4/8)	-15.3	14.4 (92.4/8)	14.1	20.6 (12)	16.7 (12)
1983	1997 (10)			-5.86 (100.0/9)	-4.49	-40.6 (100.0/11)	-29.2	12.6 (100.0/9)	13.4		
1984	1101 (12)			-3.89 (67.6/6)	-4.19	-27.4 (40.3/4)	-29.3	13.2 (40.3/4)	12.2	20.9 (12)	17.1 (12)
1985	1534 (12)			-4.01 (57.3/7)	-3.22	-23.8 (56.3/6)	-17.2	8.5 (56.3/6)	9.0	20.7 (12)	16.5 (12)
1986	1006 (12)			-3.96 (100.0/11)	-2.99	-23.0 (100.0/11)	-14.0	8.7 (100.0/11)	9.9	20.9 (12)	17.1 (12)
1987	804 (6)			-4.87 (54.5/6)	-3.42	-27.4 (54.5/6)	-17.4	11.6 (54.5/6)	10.0		
Long Term Means 1474				-4.96	-4.07	-29.9	-22.2	11.4	11.7	20.6	16.6
σ				1.22	0.84	9.3	6.9	3.3	2.5	0.4	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	206	19	-4.20	3.34	14	-24.7	24.2	12	9.8	5.8	12	21.3	0.7	18	19.1	1.2	18
Feb	198	19	-5.33	3.77	13	-38.0	27.0	13	10.1	3.8	12	21.3	0.7	18	19.6	0.8	18
Mar	188	19	-5.46	3.30	14	-35.8	24.3	12	12.1	4.1	12	21.4	0.6	18	19.3	1.0	18
Apr	128	19	-4.96	2.73	14	-32.4	21.2	14	11.0	5.7	13	20.9	0.5	18	18.4	0.7	18
May	40	19	-2.92	2.32	14	-13.2	17.5	12	8.9	6.3	12	19.7	0.9	18	16.0	1.5	18
Jun	5	18	-1.92	1.58	5	-4.9	18.4	3	13.8	1.9	3	18.7	1.1	18	13.4	1.3	18
Jul	12	18	-2.08	1.12	5	-3.3	6.6	4	14.1	5.6	4	18.3	0.8	17	12.3	1.0	17
Aug	12	17	-1.42	2.00	6	1.6	22.3	5	10.6	5.0	5	20.3	0.8	17	11.8	1.4	17
Sep	51	18	-0.94	1.57	13	7.3	9.6	12	13.7	5.0	12	21.4	1.4	17	13.6	1.4	17
Oct	181	18	-3.11	2.01	13	-9.2	12.4	12	12.7	3.1	11	21.5	1.2	17	17.4	1.8	17
Nov	246	18	-4.75	2.15	13	-24.5	15.1	11	12.7	3.1	11	21.0	0.9	17	19.0	0.9	17
Dec	248	18	-6.05	2.42	12	-37.2	19.8	12	11.6	5.5	11	21.1	0.6	17	19.5	0.7	17

CORRELATIONS

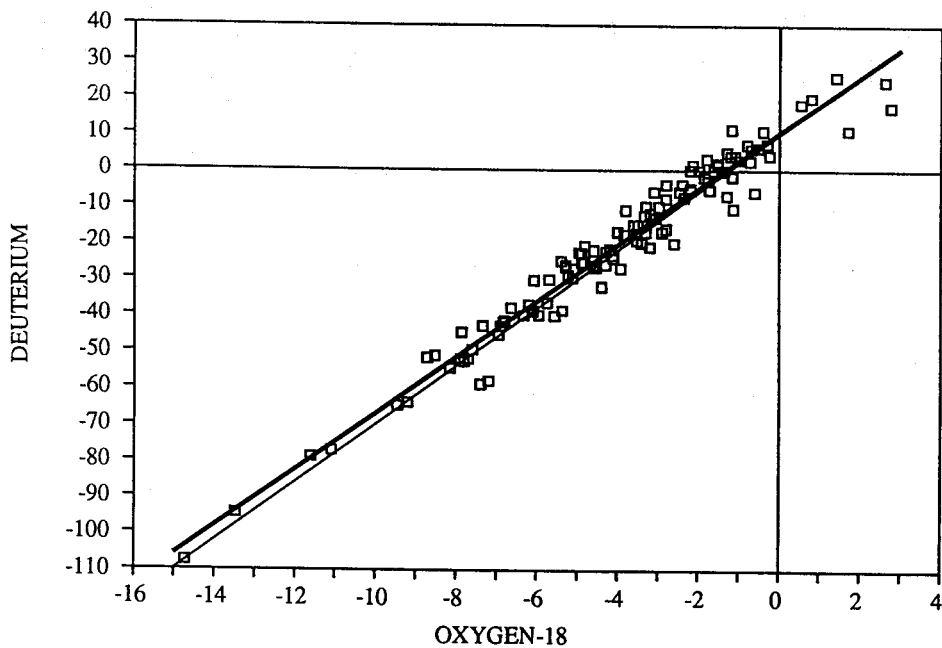
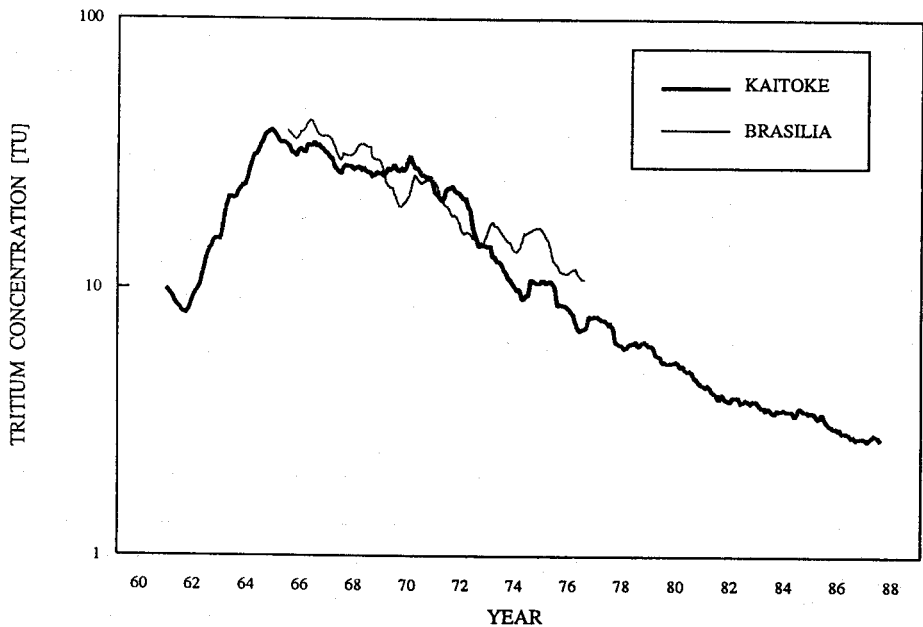
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	101	0.65	0.05	0.50	0.06	0.636	0.13
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	10	0.68	0.11	0.46	0.14	0.833	0.09
3) Monthly Deut vs. Monthly Precipitation	122	-0.11	0.02	-4.32	3.43	0.229	21.34
4) Monthly Oxyg-18 vs. Monthly Prec	136	-0.01	0.00	-2.02	0.40	0.201	2.68
5) Monthly Deut vs. Monthly Temperature	111	1.83	2.24	-58.75	46.76	0.006	24.27
6) Monthly Oxyg-18 vs. Monthly Temp	127	0.23	0.26	-8.71	5.41	0.006	3.04
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	118	7.75	0.15	10.48	0.74	0.960	4.84
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	118	7.91	0.15	11.12	0.86	0.960	4.84

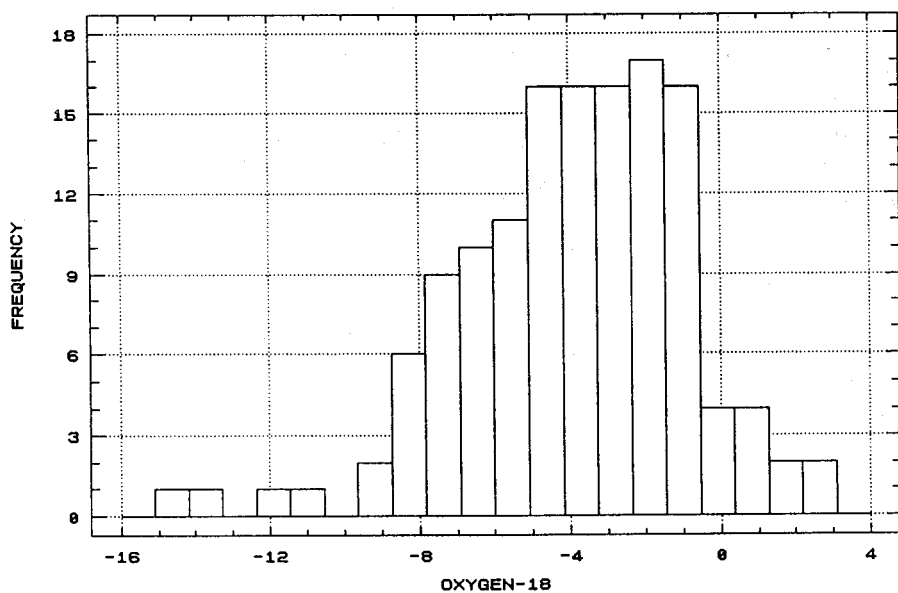
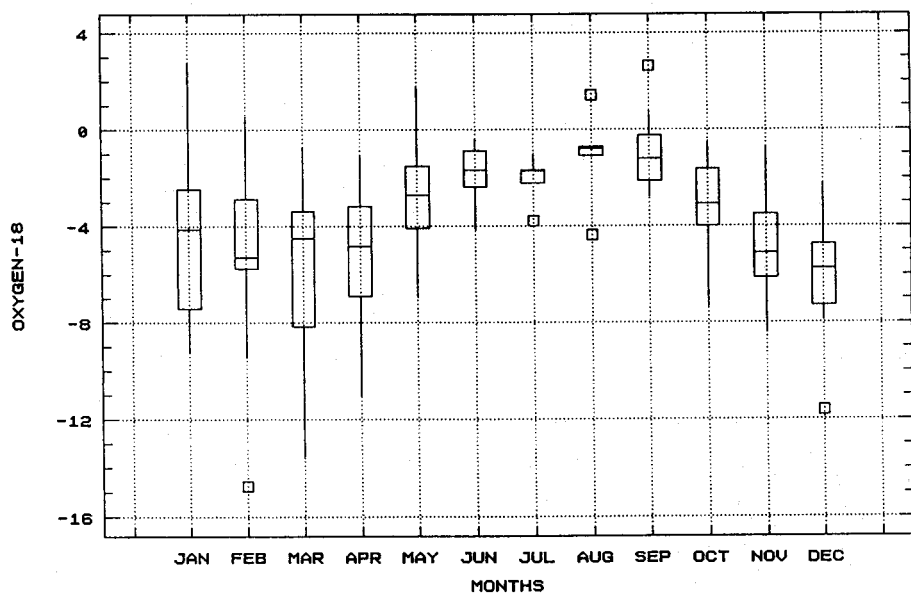
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
72 / 4	6.73			
73 / 4	5.40	17.9		
76 / 7	4.95	28.0		
76 / 10	-6.55	-18.1		

8337800 BRASILIA (AIRPORT), BRAZIL

Lat. 15.85S Long. 47.93W Alt. 1061 m a.s.l.





8374300 RIO DE JANEIRO, BRAZIL

Lat. 22.90S Long. 43.17W Alt. 26 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1961	1025 (12)	179.0 (7.8/1)	179.0	-4.07 (21.4/2)	-3.90	-21.2 (21.4/2)	-19.3	11.4 (21.4/2)	12.0	24.6 (12)	23.5 (12)
1962	1490 (12)	110.0 (2.0/1)	110.0	-3.75 (83.8/10)	-3.22	-19.9 (83.8/10)	-13.8	10.2 (83.8/10)	12.0	23.2 (12)	21.9 (12)
1963	631 (12)			-4.08 (57.0/5)	-3.72	-14.9 (57.0/5)	-13.6	17.8 (57.0/5)	16.3	23.9 (12)	22.1 (12)
1964	1075 (10)										
1965	1280 (12)	46.9 (85.9/9)	66.4	-4.52 (96.8/11)	-3.86	-22.5 (96.8/11)	-16.1	13.7 (96.8/11)	14.8	24.3 (12)	23.2 (12)
1966	1814 (12)	30.4 (95.0/11)	27.3	-7.38 (99.2/11)	-5.80	-47.8 (99.2/11)	-34.7	11.3 (99.2/11)	11.8	24.2 (12)	22.8 (12)
1967	1724 (12)	21.8 (100.0/12)	19.5	-6.25 (100.0/12)	-4.56	-35.4 (100.0/12)	-20.9	14.7 (100.0/12)	15.6	24.0 (12)	22.9 (12)
1968	1030 (12)	23.5 (100.0/12)	24.3	-3.72 (100.0/12)	-3.76	-20.9 (100.0/12)	-20.6	8.9 (100.0/12)	9.5	22.8 (12)	21.0 (12)
1969	1133 (12)	19.1 (93.6/10)	19.6	-4.06 (93.7/10)	-3.59	-21.7 (93.7/10)	-17.5	10.8 (93.7/10)	11.3	23.8 (12)	22.5 (12)
1970	989 (12)	27.4 (100.0/12)	24.1	-2.85 (95.0/11)	-3.11					23.6 (12)	22.0 (12)
1971	1334 (12)	16.6 (94.0/11)	17.7	-3.29 (86.8/10)	-3.36					23.8 (12)	22.3 (12)
1972	1082 (12)	16.9 (96.0/10)	16.4	-5.08 (79.1/8)	-4.62	-10.5 (14.6/2)	-11.1	6.4 (14.6/2)	6.4	24.2 (12)	22.3 (12)
1973	1214 (12)	11.8 (94.9/11)	11.3	-3.54 (100.0/12)	-3.50	-16.8 (100.0/12)	-17.1	11.6 (100.0/12)	11.0	24.3 (12)	23.1 (12)
1974	981 (12)	13.8 (99.7/11)	12.1	-3.84 (99.7/11)	-3.06	-20.7 (100.0/12)	-13.3	10.0 (99.7/11)	9.6	23.6 (12)	22.0 (12)
1975	958 (12)	11.8 (99.8/11)	11.5	-3.85 (78.1/9)	-3.31	-18.7 (78.1/9)	-14.2	12.1 (78.1/9)	12.4	23.3 (12)	22.2 (12)
1976	1486 (12)	9.1 (90.5/11)	9.3	-4.24 (90.5/11)	-3.84	-19.1 (90.5/11)	-15.3	14.9 (90.5/11)	15.4	23.5 (12)	22.1 (12)
1983	738 (4)			-4.57 (63.2/4)	-4.25	-21.1 (63.2/4)	-18.3	15.5 (63.2/4)	15.8		
1984	595 (12)			-2.91 (63.0/6)	-2.89	-11.3 (63.0/6)	-9.5	12.1 (63.0/6)	13.6	24.1 (12)	23.9 (12)
1985	1708 (12)			-1.60 (50.3/7)	-1.49	-9.1 (50.1/6)	-5.4	9.3 (28.7/4)	9.6	23.6 (12)	23.6 (12)
1986	1242 (12)			-4.29 (87.6/11)	-3.40					24.2 (12)	24.5 (12)
1987	973 (9)			-4.45 (83.3/9)	-4.22						
Long Term Means 1167 σ				-4.54 1.17	-3.81 0.73	-26.2 9.9	-18.4 6.3	12.0 2.0	12.3 2.2	23.8 0.4	22.7 0.8

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	183	19	-5.42	2.35	16	-31.8	20.3	11	11.5	2.0	11	26.4	0.9	19	26.4	1.2	19
Feb	150	20	-5.14	1.81	14	-32.6	15.2	11	11.3	4.4	10	26.7	0.9	20	26.8	1.4	20
Mar	156	21	-5.30	1.63	17	-28.7	14.4	12	13.4	4.2	12	26.0	0.5	20	26.0	1.4	20
Apr	113	20	-4.24	1.45	18	-23.0	8.8	13	9.6	4.3	13	24.5	1.0	20	23.8	2.0	20
May	87	21	-4.18	1.04	15	-18.2	9.6	12	14.0	3.8	11	22.9	0.9	20	21.5	1.8	20
Jun	45	20	-2.80	1.11	13	-8.6	12.2	9	14.7	7.1	9	21.7	1.1	20	19.9	1.2	20
Jul	46	20	-2.98	0.99	13	-7.0	9.0	10	13.9	3.6	9	21.2	1.0	20	18.9	1.3	20
Aug	51	20	-1.99	1.23	14	0.0	7.5	10	13.7	5.4	10	21.8	0.7	20	19.6	1.0	20
Sep	61	21	-1.98	1.16	15	-1.4	10.2	11	16.2	4.7	11	22.1	0.9	20	20.3	1.1	20
Oct	93	20	-2.59	1.16	16	-9.9	11.0	12	12.8	5.8	12	22.8	1.0	19	21.4	1.2	19
Nov	96	19	-3.41	1.48	16	-17.5	12.7	13	9.6	5.2	13	23.8	0.8	19	22.6	1.3	19
Dec	160	18	-3.71	1.78	15	-21.7	13.4	11	10.2	6.0	11	25.2	1.0	18	24.6	1.4	18

CORRELATIONS

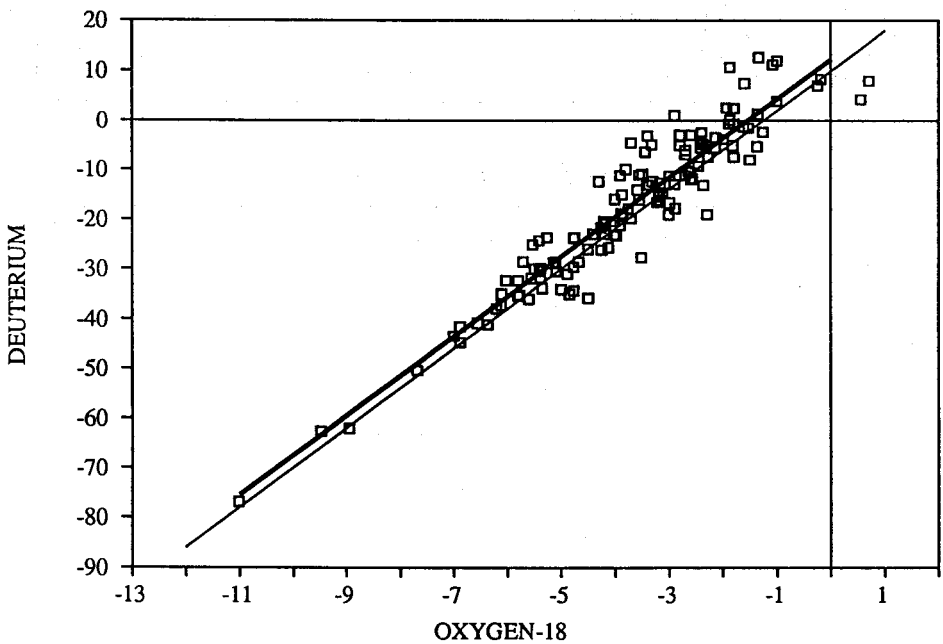
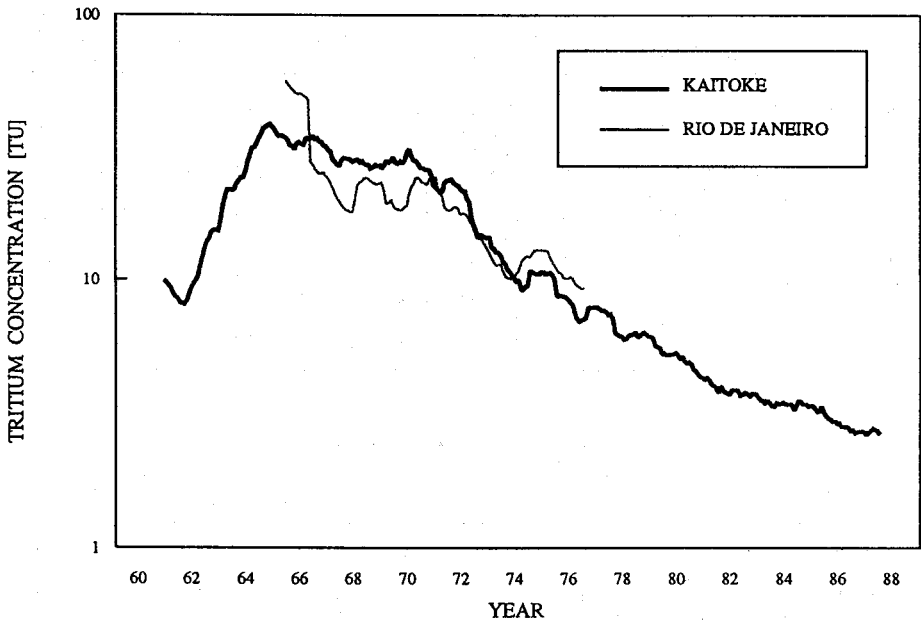
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	131	0.54	0.07	0.58	0.08	0.339	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	12	0.71	0.12	0.37	0.16	0.768	0.10
3) Monthly Deut vs. Monthly Precipitation	135	-0.09	0.01	-7.23	1.85	0.268	13.77
4) Monthly Oxyg-18 vs. Monthly Prec	182	-0.01	0.00	-2.65	0.20	0.200	1.68
5) Monthly Deut vs. Monthly Temperature	131	-4.15	0.56	81.51	13.26	0.302	13.49
6) Monthly Oxyg-18 vs. Monthly Temp	178	-0.44	0.06	6.76	1.38	0.248	1.63
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	132	7.98	0.23	12.34	0.98	0.899	5.10
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	132	8.41	0.23	13.97	1.07	0.899	5.10

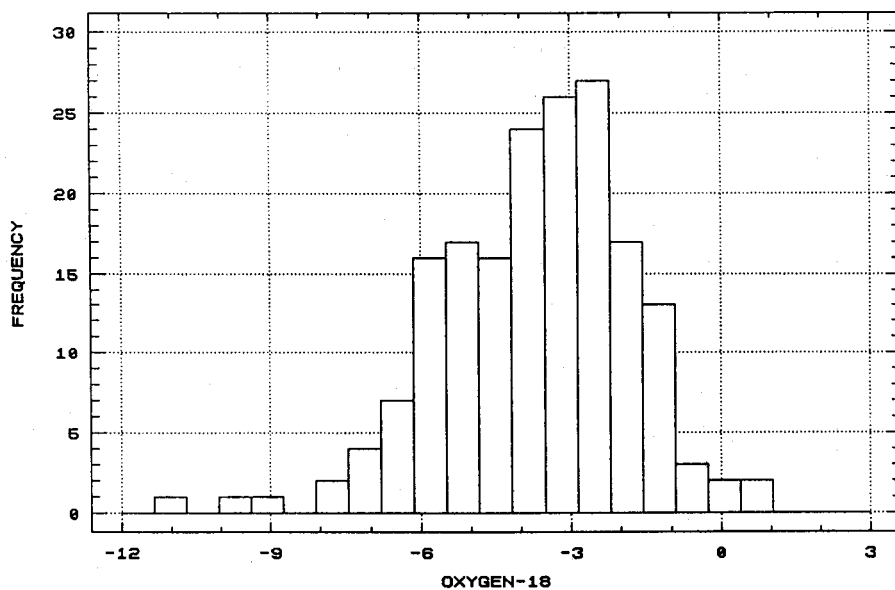
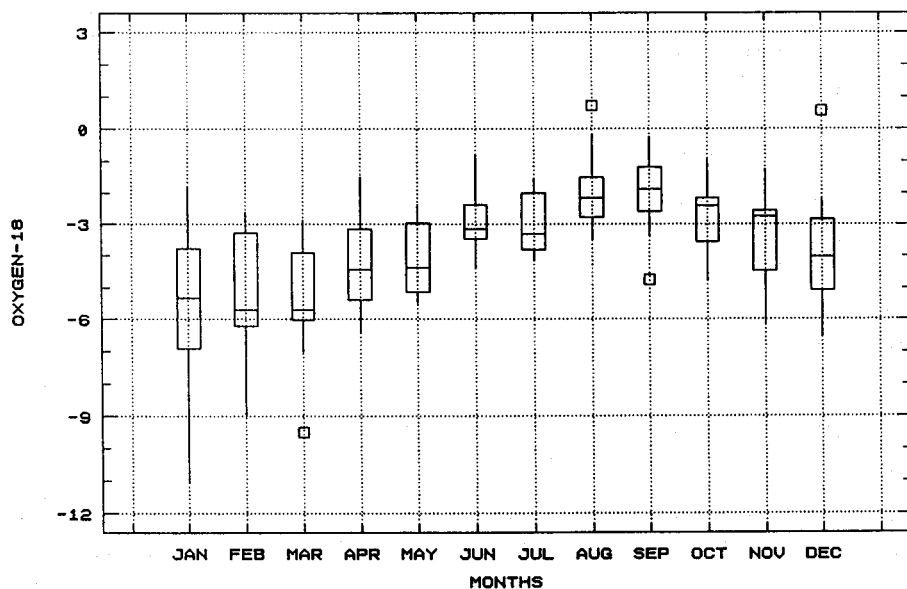
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
75	/ 1	-4.19	-49.3		
75	/ 9	-0.13	-10.9		
84	/ 7	3.40	5.0		
84	/ 8	2.10	8.0		
85	/ 7	2.70	4.0		
86	/ 2	6.70			

8374300 RIO DE JANEIRO, BRAZIL

Lat. 22.90S Long. 43.17W Alt. 26 m a.s.l.





8396700 PORTO ALEGRE, BRAZIL

Lat. 30.08S Long. 51.18W Alt. 7 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1957	1389 (12)									19.8 (12)	18.3 (12)
1958	1344 (12)	11.6 (58.4/6)	10.8							19.9 (12)	18.3 (12)
1959	1505 (12)	8.7 (31.4/4)	10.1							19.9 (12)	18.2 (12)
1960	1160 (12)									19.5 (12)	17.5 (12)
1961	1540 (12)									20.4 (12)	18.9 (12)
1962	765 (12)									19.0 (12)	16.7 (12)
1963	1320 (12)									19.9 (12)	18.0 (12)
1964	1054 (12)									19.0 (12)	16.4 (12)
1965	1425 (12)	67.1 (44.5/6)	63.0	-4.91 (65.6/8)	-5.58	-26.5 (65.6/8)	-32.4	12.8 (65.6/8)	12.3	19.8 (12)	17.9 (12)
1966	1574 (12)	54.3 (76.3/9)	53.4	-4.49 (100.0/12)	-4.34	-26.0 (87.2/11)	-23.7	12.4 (87.2/11)	12.4	19.4 (12)	17.8 (12)
1967	1077 (12)	46.6 (87.8/10)	43.4	-3.13 (90.9/11)	-4.04	-18.1 (100.0/12)	-21.5	9.0 (90.9/11)	12.3	20.1 (12)	18.4 (12)
1968	1129 (12)	42.1 (100.0/12)	40.1	-5.25 (87.4/11)	-5.08	-24.0 (87.4/11)	-23.7	18.1 (87.4/11)	17.0	19.4 (12)	17.1 (12)
1969	984 (12)	33.3 (100.0/12)	32.8	-4.70 (90.2/11)	-4.47	-26.6 (90.2/11)	-23.8	11.1 (90.2/11)	12.1	19.5 (12)	17.6 (12)
1970	1275 (12)	38.7 (84.5/10)	40.0	-3.71 (67.2/9)	-3.19	-19.4 (5.5/1)	-19.4	0.6 (5.5/1)	0.6	20.0 (12)	18.0 (12)
1971	1124 (12)	31.0 (100.0/12)	32.9	-5.28 (100.0/12)	-5.08					19.6 (12)	17.6 (12)
1972	1985 (12)	25.1 (83.1/10)	25.2	-6.59 (64.0/8)	-7.32	-84.9 (1.8/1)	-84.9	6.6 (1.8/1)	6.6	19.9 (12)	18.2 (12)
1973	1363 (12)	20.1 (100.0/12)	21.2	-5.15 (100.0/12)	-4.98	-25.2 (100.0/12)	-24.5	16.0 (100.0/12)	15.4	19.9 (12)	18.1 (12)
1974	1131 (12)	28.5 (99.9/11)	29.1	-5.46 (99.9/11)	-4.77	-30.9 (99.9/11)	-25.2	12.8 (99.9/11)	13.1	19.3 (12)	17.9 (12)
1975	1292 (12)	20.9 (74.3/10)	21.1	-5.43 (74.3/10)	-5.52	-30.0 (74.3/10)	-31.6	13.5 (74.3/10)	12.6	19.1 (12)	17.0 (12)
1976	1552 (12)	16.4 (100.0/12)	16.6	-4.92 (100.0/12)	-5.06	-23.4 (100.0/12)	-24.7	16.0 (100.0/12)	15.9	18.6 (12)	17.0 (12)
1977	1285 (12)	14.1 (93.0/11)	13.7	-4.31 (93.0/11)	-4.07	-22.9 (93.0/11)	-22.6	11.6 (93.0/11)	10.0	20.2 (12)	18.2 (12)
1978	1069 (12)	14.5 (85.2/11)	14.2	-4.28 (85.2/11)	-4.26	-28.1 (85.2/11)	-28.0	6.2 (85.2/11)	6.1	19.2 (12)	17.3 (12)
1979	1210 (12)	11.5 (90.5/11)	11.8	-4.71 (90.5/11)	-4.33	-26.0 (90.5/11)	-23.2	11.7 (90.5/11)	11.5	18.9 (12)	17.1 (12)
1980	1245 (12)	11.0 (90.8/11)	11.0	-5.25 (90.8/11)	-5.35	-31.4 (90.8/11)	-31.8	10.6 (90.8/11)	11.1	19.3 (12)	18.3 (12)
1981	1180 (12)	10.3 (95.7/11)	10.3	-4.56 (89.5/10)	-4.37	-25.9 (100.0/12)	-24.9	11.3 (89.5/10)	11.8	19.6 (12)	18.2 (12)
1982	1652 (12)	8.2 (84.0/10)	7.3	-4.37 (100.0/12)	-4.60	-21.8 (100.0/12)	-24.8	13.2 (100.0/12)	12.0	19.6 (12)	18.0 (12)
1983	1617 (12)	7.5 (41.3/5)	7.4	-5.25 (61.8/7)	-5.36	-32.0 (61.8/7)	-32.9	10.1 (61.8/7)	10.0	18.3 (12)	18.3 (12)
Long Term Means 1305				-4.71	-4.63	-25.2	-24.8	12.6	12.4	19.6	17.8
σ				0.60	0.42	3.6	2.5	3.1	2.7	0.4	0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	98	27	-4.94	1.35	18	-29.8	11.4	15	11.6	4.9	15	24.5	0.9	27	22.3	2.1	27
Feb	111	27	-6.07	1.86	17	-33.8	10.9	15	11.9	4.6	15	24.4	0.7	27	22.7	1.7	27
Mar	95	27	-6.24	1.76	17	-37.3	13.6	16	12.1	4.7	15	23.1	0.9	26	21.3	1.5	27
Apr	74	27	-6.05	1.72	17	-34.9	10.9	15	11.3	3.6	14	19.8	1.1	26	18.2	1.6	27
May	84	27	-6.84	1.60	17	-42.9	12.8	14	11.8	4.9	14	17.0	1.6	27	16.1	1.9	27
Jun	136	27	-4.57	1.84	18	-23.6	15.7	16	13.0	4.5	15	14.5	1.4	27	13.6	1.5	27
Jul	121	27	-4.34	1.36	17	-21.1	10.1	14	15.4	5.5	14	14.7	1.2	27	13.9	1.4	27
Aug	146	27	-3.28	1.10	16	-13.4	10.1	14	13.0	4.6	14	15.4	1.3	27	14.2	1.4	27
Sep	136	27	-2.46	1.04	16	-7.6	7.9	14	13.3	6.1	14	16.9	1.2	27	15.4	1.3	27
Oct	111	27	-3.58	1.43	15	-16.6	11.7	13	11.4	3.8	13	19.3	1.2	27	16.9	1.6	27
Nov	92	27	-3.64	1.41	15	-19.2	11.0	13	11.5	4.9	13	21.2	0.9	27	18.1	1.5	27
Dec	101	27	-4.87	2.44	17	-28.9	19.8	16	9.8	5.2	16	23.4	0.7	27	20.4	1.6	27

CORRELATIONS

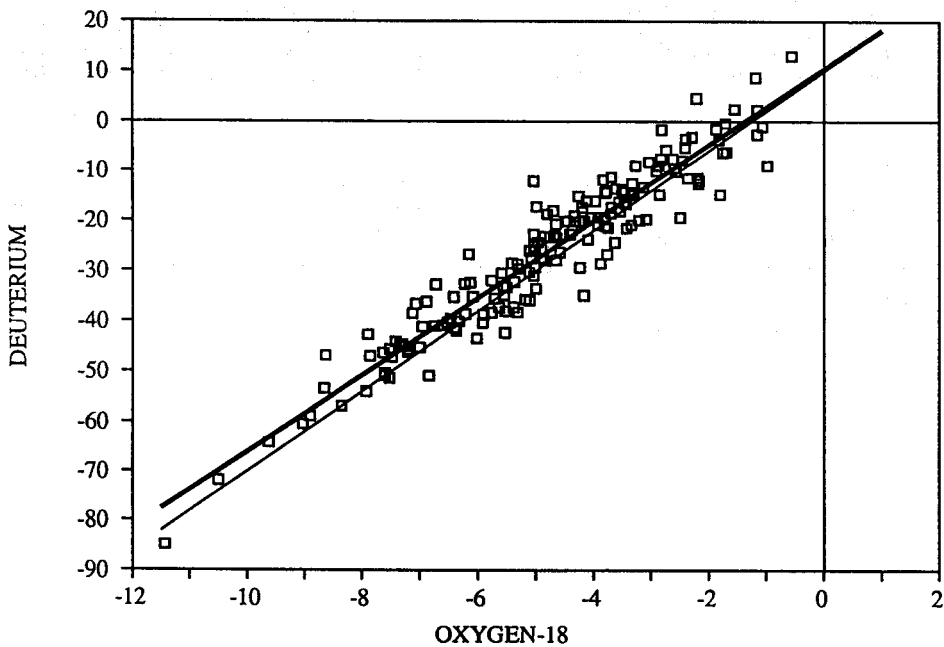
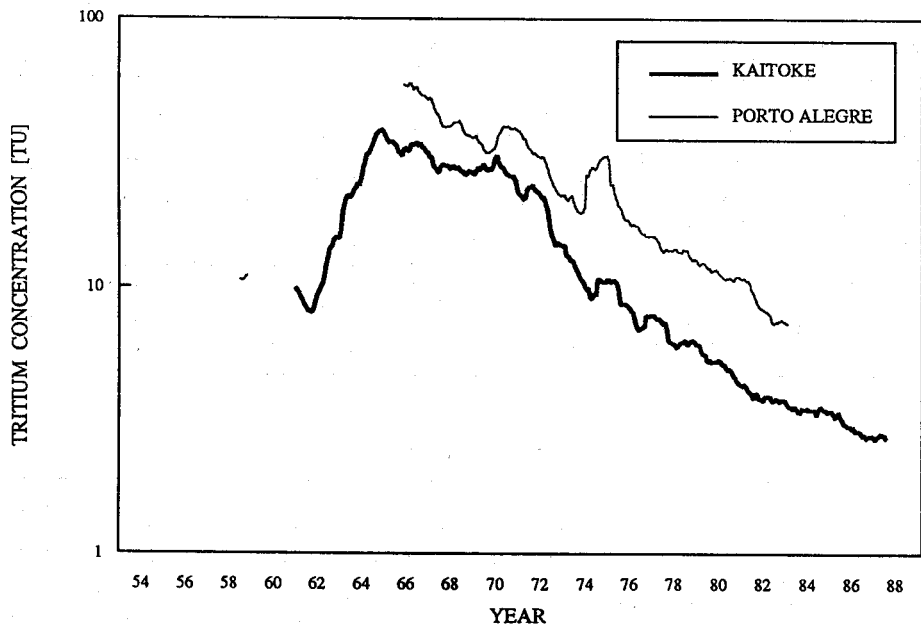
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	195	0.71	0.02	0.57	0.03	0.815	0.12
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	16	0.71	0.06	0.58	0.06	0.922	0.08
3) Monthly Deut vs. Monthly Precipitation	175	0.00	0.02	-26.61	2.41	0.000	15.92
4) Monthly Oxyg-18 vs. Monthly Prec	200	-0.00	0.00	-4.59	0.29	0.003	2.04
5) Monthly Deut vs. Monthly Temperature	173	-0.97	0.30	-6.97	6.03	0.056	15.30
6) Monthly Oxyg-18 vs. Monthly Temp	198	-0.10	0.04	-2.81	0.74	0.036	2.00
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	172	7.67	0.19	10.59	0.96	0.909	4.84
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	172	8.04	0.19	12.38	1.03	0.909	4.84

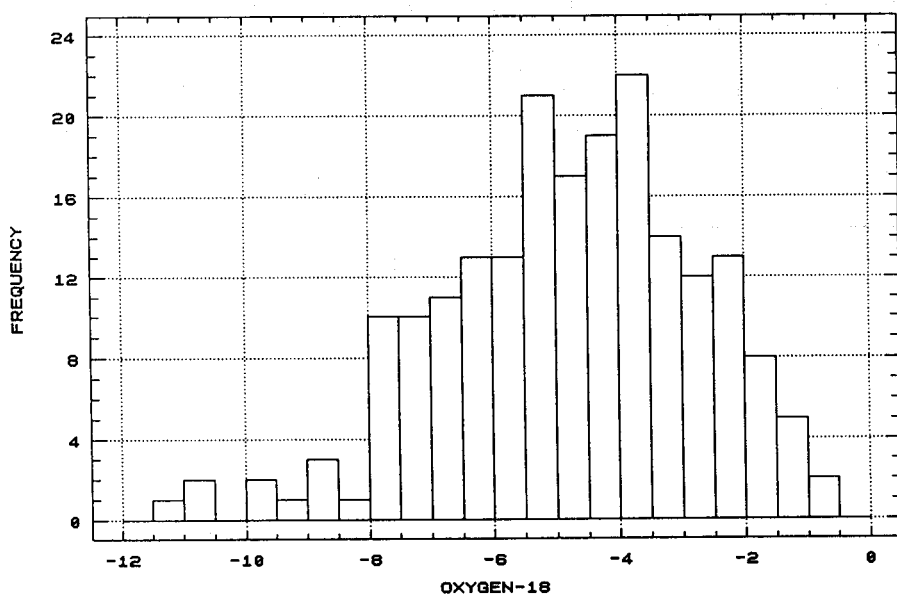
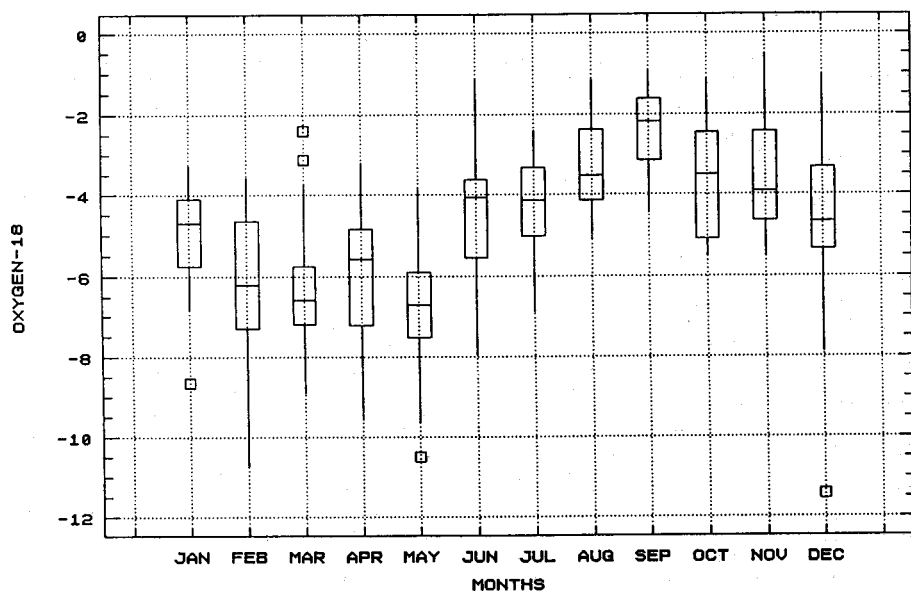
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
68 / 10	-5.32	-55.6		

8396700 PORTO ALEGRE, BRAZIL

Lat. 30.08S Long. 51.18W Alt. 7 m a.s.l.





8404400 IZOBAMBA, ECUADOR

Lat. 0.37S Long. 78.55W Alt. 3058 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1968	1258 (12)	26.6 (39.2/6)	25.6							10.7 (12)	10.4 (12)
1969	1720 (12)	20.0 (75.0/7)	19.4							11.3 (12)	10.9 (12)
1970	1596 (12)	19.3 (65.4/5)	19.4							11.0 (12)	10.6 (12)
1971	1797 (12)	20.3 (76.0/7)	19.9							10.4 (12)	10.4 (12)
1972	1515 (12)	16.8 (93.0/10)	16.6							11.1 (12)	10.3 (12)
1973	1416 (12)	14.8 (100.0/12)	15.1	-9.36 (35.6/6)	-9.53	-65.3 (35.6/6)	-66.8	9.6 (35.6/6)	9.6	11.0 (12)	10.9 (12)
1974	1709 (12)	14.2 (100.0/12)	15.2	-9.44 (92.5/11)	-9.63	-63.7 (92.5/11)	-65.6	12.0 (92.5/11)	11.6	11.0 (12)	10.3 (12)
1975	1587 (12)	11.8 (61.7/9)	11.5	-11.69 (61.7/9)	-12.36	-82.9 (61.7/9)	-88.8	10.7 (61.7/9)	10.2	10.2 (12)	10.1 (12)
1976	1083 (12)	10.6 (99.2/11)	11.4	-11.24 (99.2/11)	-10.69	-76.6 (99.2/11)	-72.7	13.4 (99.2/11)	12.8	11.4 (12)	9.7 (12)
1977	1166 (12)	11.5 (100.0/12)	11.9	-10.80 (94.5/11)	-10.82	-75.0 (94.5/11)	-75.1	11.4 (94.5/11)	11.5	11.8 (12)	10.3 (12)
1978	1158 (12)	10.4 (100.0/12)	10.5	-13.16 (88.8/11)	-11.62	-97.4 (88.8/11)	-85.7	7.9 (88.8/11)	7.3	11.3 (12)	10.6 (12)
1979	1114 (12)	9.4 (65.1/9)	9.0	-12.54 (80.0/10)	-11.11	-90.2 (80.0/10)	-78.7	10.2 (80.0/10)	10.2	11.9 (12)	11.0 (12)
1980	1190 (12)	6.6 (100.0/12)	6.3	-10.02 (92.8/11)	-9.95	-74.5 (92.8/11)	-72.3	5.7 (92.8/11)	7.3	11.6 (12)	10.6 (12)
1981	1435 (6)	7.8 (94.0/11)	7.9	-10.26 (94.0/11)	-10.13	-56.8 (9.4/2)	-58.6	11.9 (9.4/2)	12.1		
1982	1396 (3)	6.2 (89.6/8)	6.0	-11.58 (98.8/10)	-11.10	-84.2 (98.8/10)	-80.7	8.5 (98.8/10)	8.1		
1983		5.4 (10.0/1)	5.4	-12.87 (53.6/5)	-13.33	-91.4 (53.6/5)	-95.3	11.6 (53.6/5)	11.4		
1984	1493 (10)	4.9 (66.1/4)	5.0	-11.47 (89.7/5)	-11.07	-73.4 (70.9/5)	-67.4	10.6 (65.4/4)	10.9		
Long Term											
Means 1287				-11.05	-10.68	-78.9	-75.8	10.0	9.8	11.1	10.5
σ				1.20	0.64	11.3	6.5	2.7	2.2	0.5	0.3

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	114	15	-8.35	3.25	10	-58.5	23.4	10	9.2	4.0	9	11.2	0.7	15	10.8	0.8	15
Feb	176	15	-10.33	3.30	10	-70.6	28.7	8	11.2	3.2	8	11.1	0.8	15	10.9	0.4	15
Mar	195	15	-11.42	3.52	10	-80.5	29.0	10	10.9	2.1	10	11.3	0.8	15	11.0	0.4	15
Apr	175	14	-14.03	2.78	10	-103.7	21.7	9	9.1	6.1	9	11.5	0.7	14	11.2	0.5	14
May	130	14	-14.46	3.33	10	-105.7	29.6	9	10.5	2.2	9	11.5	0.8	14	10.9	0.5	14
Jun	75	14	-13.54	1.55	10	-99.9	11.8	9	9.9	2.6	9	11.2	0.8	14	10.2	0.5	14
Jul	27	16	-11.85	2.63	9	-88.1	23.2	8	6.8	3.5	8	10.8	0.4	16	9.3	0.9	16
Aug	46	16	-8.68	2.21	8	-57.7	18.1	8	11.7	3.0	8	10.8	0.5	16	9.2	0.8	16
Sep	96	15	-9.23	2.69	9	-63.2	20.4	9	10.6	2.9	9	10.9	0.9	15	9.8	0.9	15
Oct	138	13	-9.21	2.20	8	-63.5	19.4	7	10.2	4.0	7	10.9	0.8	13	10.5	0.5	13
Nov	136	14	-8.58	1.64	10	-56.9	14.2	9	9.8	4.5	9	11.0	0.7	14	10.7	0.4	14
Dec	122	14	-9.04	1.66	7	-62.5	14.7	6	9.4	1.9	6	11.2	0.8	14	10.6	0.5	14

CORRELATIONS

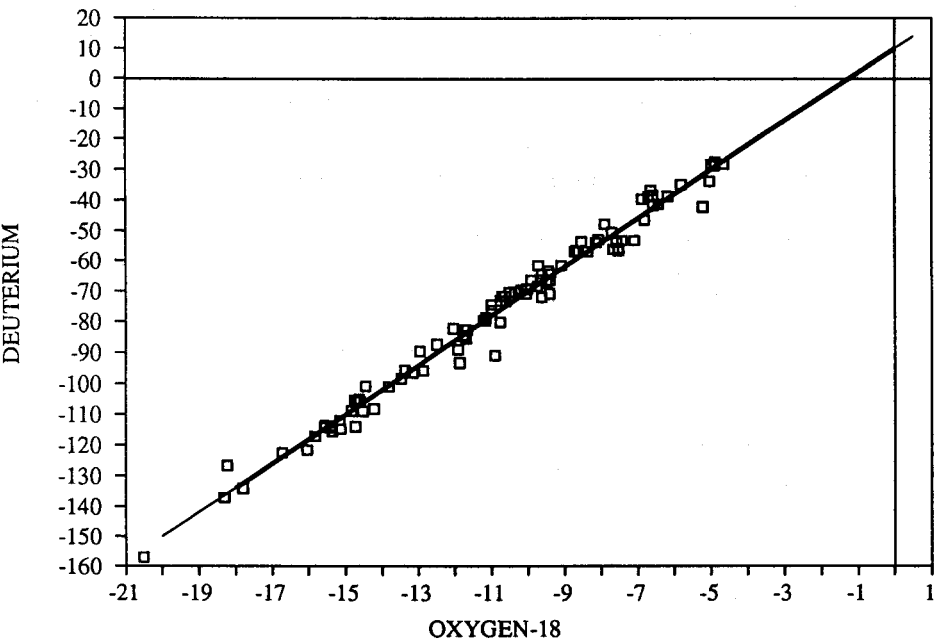
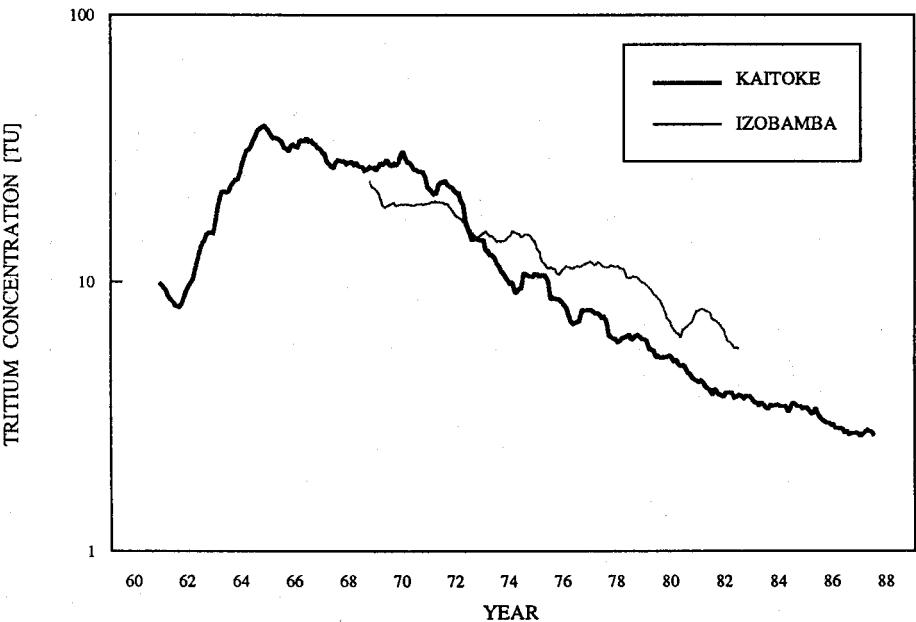
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	146	0.55	0.03	0.55	0.03	0.645	0.12
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	11	0.56	0.06	0.54	0.06	0.898	0.06
3) Monthly Deut vs. Monthly Precipitation	102	-0.06	0.04	-69.52	5.67	0.020	27.80
4) Monthly Oxyg-18 vs. Monthly Prec	111	-0.01	0.01	-9.91	0.66	0.023	3.36
5) Monthly Deut vs. Monthly Temperature	89	-4.75	3.44	-21.12	38.79	0.021	27.18
6) Monthly Oxyg-18 vs. Monthly Temp	92	-0.42	0.43	-5.85	4.81	0.011	3.38
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	101	8.01	0.10	10.09	1.19	0.984	3.60
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	101	8.08	0.10	10.81	1.23	0.984	3.60

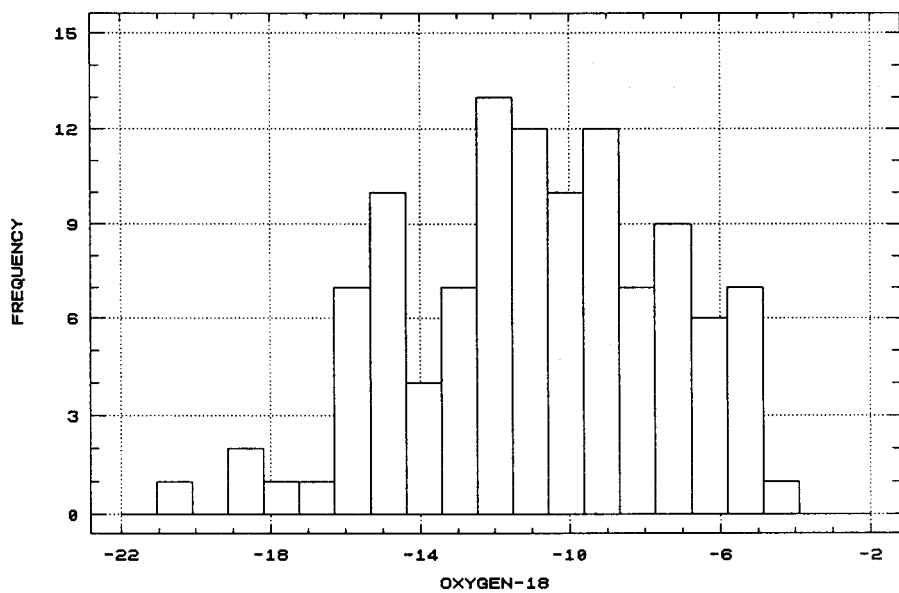
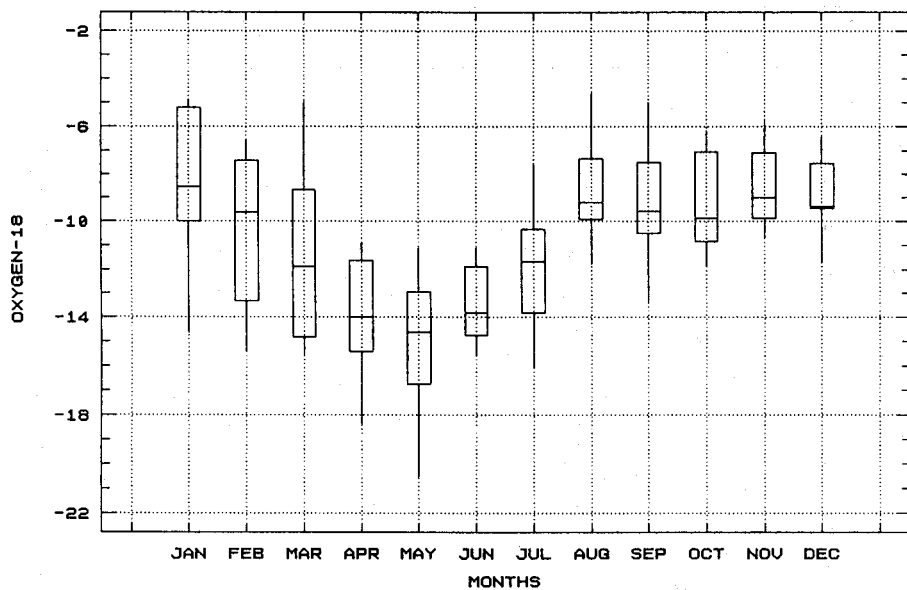
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
74 / 5	-11.16	-60.8		
77 / 8	-9.48	-41.5		

8404400 IZOBAMBA, ECUADOR

Lat. 0.37S Long. 78.55W Alt. 3058 m a.s.l.





8758500 BUENOS AIRES, ARGENTINA

Lat. 34.58S Long. 58.48W Alt. 24 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1959	1859 (12)	18.6	19.5 (32.0/2)							16.9 (12)	14.9 (12)
1960	933 (12)									17.6 (12)	14.7 (12)
1961	1105 (12)			-2.69 (44.0/6)	-2.70	-6.6 (44.0/6)	-6.4	15.0 (44.0/6)	15.3	17.5 (12)	14.8 (12)
1962	890 (12)			-3.46 (100.0/12)	-3.76	-16.3 (100.0/12)	-19.0	11.4 (100.0/12)	11.1	17.0 (12)	14.1 (12)
1963	1385 (12)			-4.20 (78.4/10)	-4.12	-22.6 (78.4/10)	-21.7	11.1 (78.4/10)	11.4	17.3 (12)	15.4 (12)
1964	961 (12)	77.8 (22.8/3)	75.3	-5.59 (70.2/6)	-5.45	-34.5 (70.2/6)	-33.1	10.3 (70.2/6)	10.6		
1978		15.6 (18.7/2)	15.5	-4.47 (18.7/2)	-4.40						
1979	941 (12)	13.7 (81.2/11)	13.6	-4.68 (81.2/11)	-4.49	-27.2 (81.2/11)	-25.0	10.3 (81.2/11)	10.9	17.7 (12)	14.3 (12)
1980	1294 (12)	11.4 (100.0/12)	12.0	-4.63 (100.0/12)	-4.21	-27.9 (100.0/12)	-24.1	9.1 (100.0/12)	9.7	17.9 (12)	15.2 (12)
1981	1084 (12)	10.8 (91.6/11)	11.2	-5.91 (89.9/10)	-6.28	-34.5 (83.0/9)	-36.5	9.4 (83.0/9)	9.5	17.8 (12)	15.3 (12)
1982	1148 (12)	9.4 (100.0/12)	10.0	-6.53 (91.8/10)	-6.34					18.0 (12)	15.0 (12)
1983	853 (12)	8.7 (83.0/11)	8.9	-4.89 (100.0/12)	-5.20	-27.5 (100.0/12)	-30.3	11.7 (100.0/12)	11.4	17.2 (12)	15.4 (12)
1984	924 (11)	9.7 (83.0/12)	8.8	-5.71 (78.3/11)	-5.79	-39.3 (61.8/9)	-38.6	11.5 (61.8/9)	11.8		
1985	1530 (9)	7.1 (53.7/7)	7.5	-6.70 (37.7/4)	-6.58						
Long Term Means 1113											
				-5.01	-5.03	-26.0	-26.1	10.4	10.7	17.5	14.9
σ				1.00	1.02	6.1	6.3	1.1	0.8	0.3	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	101	12	-4.14	1.62	10	-19.0	11.6	8	10.8	3.3	8	24.0	1.3	12	19.6	1.7	12
Feb	88	12	-5.93	3.36	10	-27.2	22.7	7	9.5	2.6	7	23.7	1.0	12	19.8	1.1	12
Mar	127	12	-6.32	0.99	9	-39.1	6.3	7	8.4	4.5	7	21.6	1.3	12	18.6	1.6	12
Apr	121	12	-6.81	1.26	10	-41.1	12.8	8	12.5	4.7	8	17.4	1.3	12	15.7	1.7	12
May	102	13	-6.30	1.69	9	-39.1	10.8	8	11.4	5.2	8	14.3	2.0	13	13.1	1.6	13
Jun	59	13	-6.90	2.06	9	-45.4	20.3	8	9.7	4.2	8	10.7	1.0	13	10.3	1.0	13
Jul	75	13	-3.94	1.29	8	-18.8	10.4	8	12.7	2.7	8	10.7	1.3	13	10.4	1.2	13
Aug	61	13	-2.86	1.16	7	-10.7	10.9	6	11.1	1.7	6	12.3	1.0	13	10.7	0.9	13
Sep	78	13	-3.87	2.54	9	-15.8	20.5	8	12.6	3.7	8	14.1	0.6	13	11.7	1.1	13
Oct	128	13	-2.84	1.01	9	-10.6	8.1	7	10.7	5.1	7	17.0	1.0	13	14.4	1.8	13
Nov	112	13	-4.20	1.44	8	-20.0	14.8	6	11.8	2.7	6	20.0	1.0	12	16.1	1.2	12
Dec	96	13	-4.02	1.44	8	-20.7	13.5	6	11.3	2.8	6	22.8	1.1	13	18.1	1.4	13

CORRELATIONS

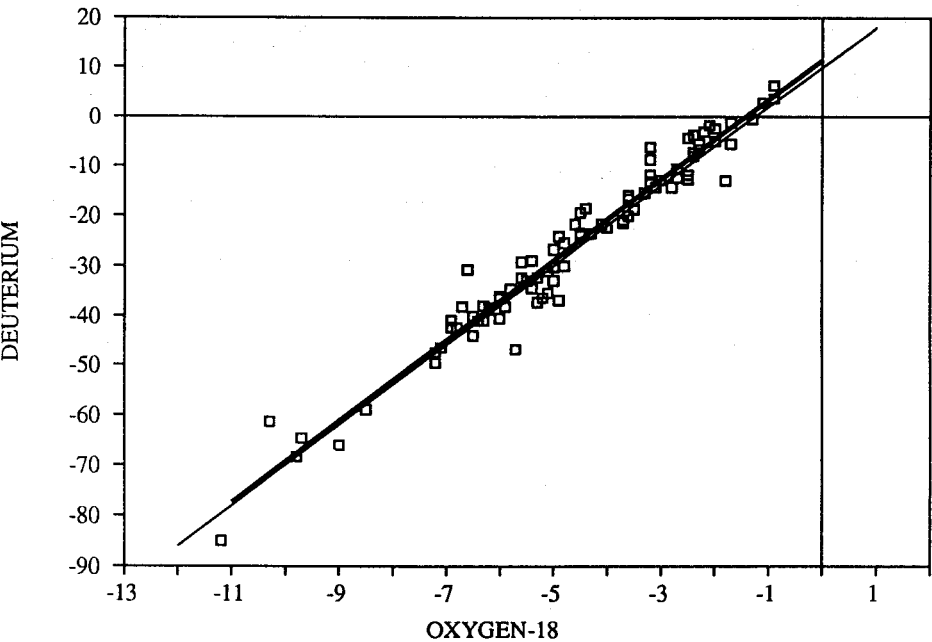
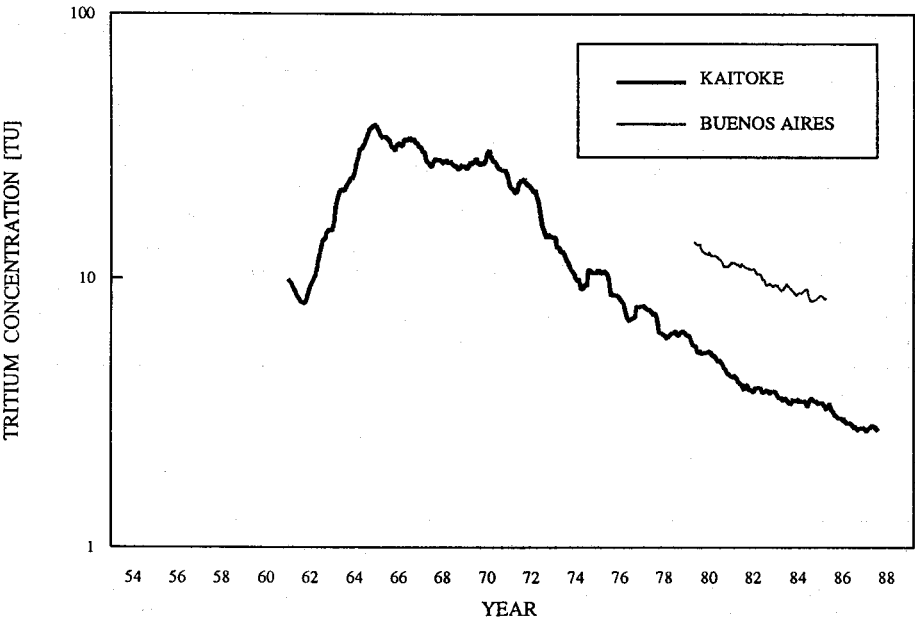
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	81	0.90	0.08	0.47	0.05	0.606	0.13
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	6	0.74	0.21	0.57	0.13	0.767	0.04
3) Monthly Deut vs. Monthly Precipitation	87	-0.01	0.04	-24.90	3.90	0.002	18.24
4) Monthly Oxyg-18 vs. Monthly Prec	106	-0.00	0.00	-4.73	0.45	0.002	2.26
5) Monthly Deut vs. Monthly Temperature	86	0.40	0.38	-32.63	6.80	0.013	17.76
6) Monthly Oxyg-18 vs. Monthly Temp	100	0.01	0.04	-5.10	0.81	0.001	2.23
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	87	8.07	0.19	11.42	0.96	0.956	3.81
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	87	8.25	0.18	12.26	1.04	0.956	3.81

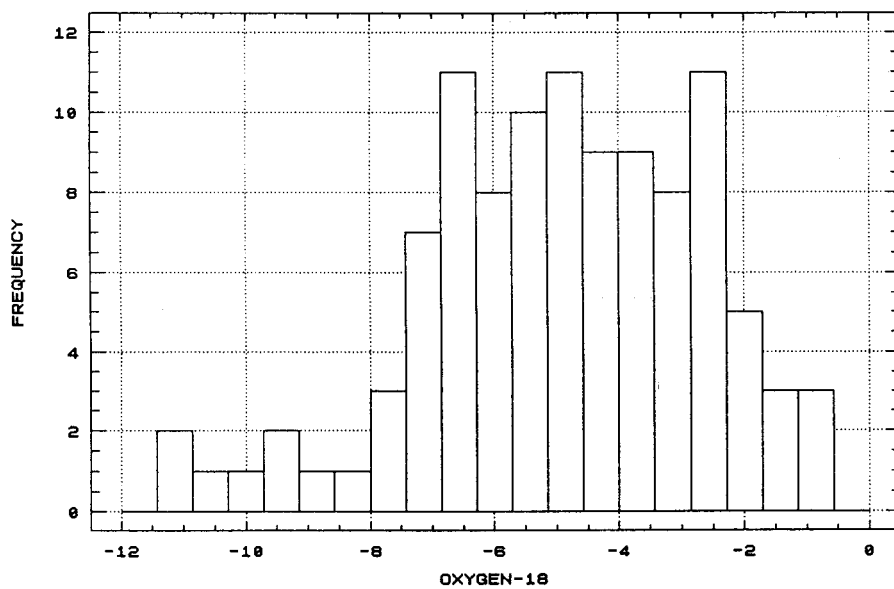
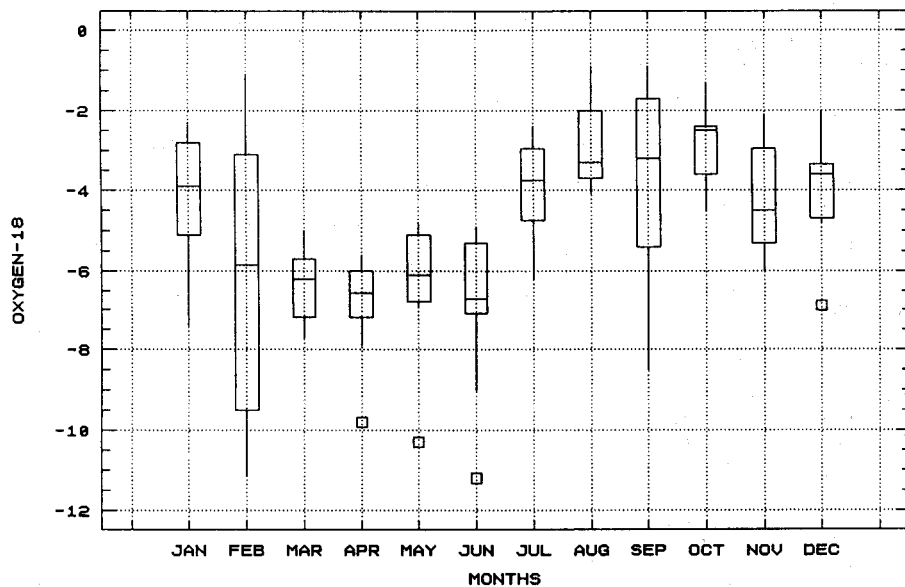
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
83	/ 12			39.90	1.1
84	/ 11	-15.90	-39.9		

8758500 BUENOS AIRES, ARGENTINA

Lat. 34.58S Long. 58.48W Alt. 24 m a.s.l.





8889000 STANLEY, FALKLAND ISLANDS (ATLANTIC OC.), UK

Lat. 51.70S Long. 57.87W Alt. 51 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1961	628 (12)	20.3 (13.3/2)	20.5 (13.3/2)	-8.42 (13.3/2)	-9.40 (13.3/2)	-58.4 (13.3/2)	-66.3 (13.3/2)	9.0 (13.3/2)	8.9 (13.3/2)	5.2 (12)	7.4 (12)
1962	553 (12)	32.8 (43.3/4)	33.8 (43.3/4)	-8.40 (100.0/12)	-8.40 (100.0/12)	-61.9 (100.0/12)	-61.7 (100.0/12)	5.3 (100.0/12)	5.6 (100.0/12)	5.8 (12)	7.8 (12)
1963	520 (12)	36.0 (30.7/3)	34.4 (30.7/3)	-8.08 (100.0/12)	-7.61 (100.0/12)	-58.4 (100.0/12)	-54.9 (100.0/12)	6.3 (100.0/12)	6.1 (100.0/12)	5.4 (12)	7.4 (12)
1964	625 (12)	46.2 (92.0/11)	46.4 (92.0/11)	-8.27 (92.0/11)	-8.26 (92.0/11)	-62.4 (92.0/11)	-61.9 (92.0/11)	3.8 (92.0/11)	4.2 (92.0/11)	5.4 (12)	7.7 (12)
1965	648 (12)	50.0 (100.0/12)	51.8 (100.0/12)	-9.20 (85.3/11)	-9.00 (85.3/11)	-66.7 (81.0/10)	-64.9 (81.0/10)	10.4 (66.3/9)	9.8 (66.3/9)	5.9 (12)	7.9 (12)
1966	587 (12)	37.5 (93.8/11)	37.9 (93.8/11)							5.3 (12)	7.6 (12)
1967	629 (12)	44.5 (100.0/12)	42.5 (100.0/12)							5.8 (12)	7.9 (12)
1968	606 (12)	40.9 (100.0/12)	42.4 (100.0/12)							5.9 (12)	8.2 (12)
1969	536 (12)	37.7 (100.0/12)	37.5 (100.0/12)							5.5 (12)	8.0 (12)
1970	680 (12)	44.2 (87.0/10)	47.3 (87.0/10)							6.1 (12)	8.1 (12)
1971	655 (12)	26.8 (61.0/8)	26.4 (61.0/8)							5.6 (12)	7.8 (12)
1972	687 (12)	27.7 (100.0/12)	27.3 (100.0/12)	-4.67 (5.6/1)	-4.67 (5.6/1)	-37.1 (5.6/1)	-37.1 (5.6/1)	0.3 (5.6/1)	0.3 (5.6/1)	5.5 (12)	7.9 (12)
1973	590 (12)	20.4 (100.0/12)	20.7 (100.0/12)	-7.42 (86.6/10)	-7.35 (86.6/10)	-52.9 (96.4/11)	-52.5 (96.4/11)	6.6 (86.6/10)	6.5 (86.6/10)	5.8 (12)	7.9 (12)
1974	614 (12)	14.5 (100.0/12)	13.5 (100.0/12)	-7.37 (100.0/12)	-7.33 (100.0/12)	-53.1 (100.0/12)	-52.6 (100.0/12)	6.0 (100.0/12)	6.1 (100.0/12)	5.9 (12)	8.2 (12)
1975	559 (12)	11.9 (100.0/12)	11.8 (100.0/12)	-8.05 (100.0/12)	-8.08 (100.0/12)	-56.3 (91.4/11)	-57.0 (91.4/11)	7.3 (91.4/11)	6.8 (91.4/11)	5.9 (12)	8.3 (12)
1976	704 (12)	12.4 (100.0/12)	12.5 (100.0/12)	-7.93 (100.0/12)	-7.91 (100.0/12)	-54.2 (100.0/12)	-54.2 (100.0/12)	9.2 (100.0/12)	9.2 (100.0/12)	5.4 (12)	8.0 (12)
1977	566 (12)									5.9 (12)	8.4 (12)
1978	548 (12)									5.9 (12)	8.3 (12)
1979	553 (12)									6.1 (12)	8.4 (12)
Long Term											
Means 605				-8.08	-7.99	-58.0	-57.5	6.4	6.4	5.7	8.0
σ				0.58	0.56	5.1	4.7	1.7	1.4	0.2	0.3

MONTHLY MEANS

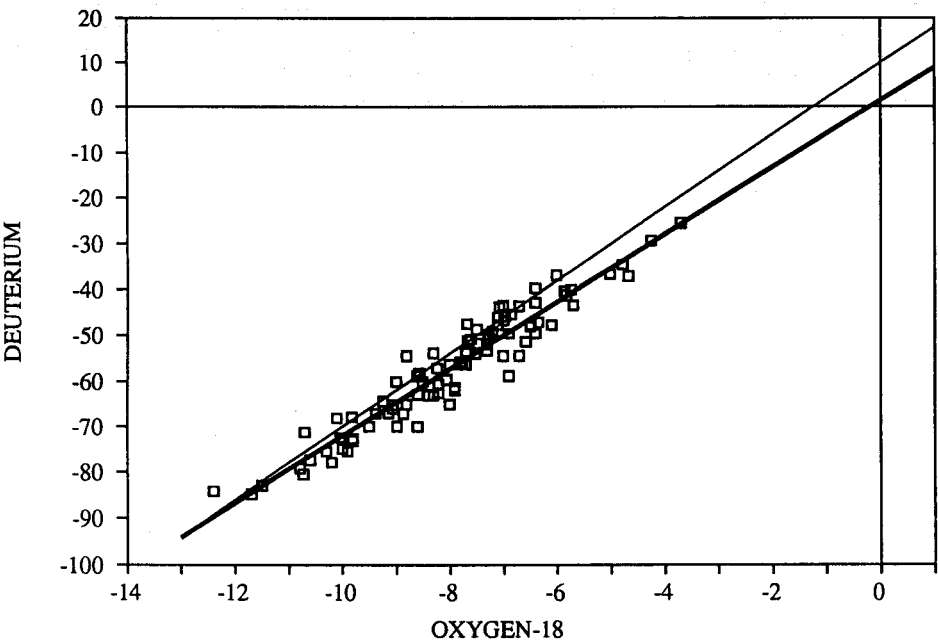
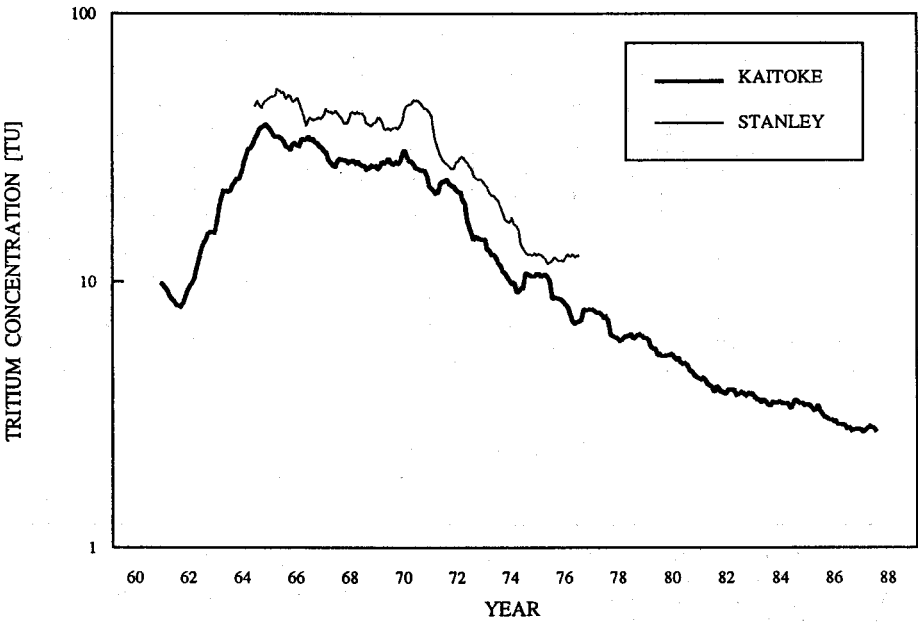
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	76	19	-7.10	1.00	8	-50.0	9.1	7	6.6	4.6	7	9.1	0.7	19	9.5	0.5	19
Feb	51	19	-6.14	1.44	8	-41.9	11.1	7	5.8	4.3	7	9.2	0.9	19	9.7	0.7	19
Mar	53	19	-7.27	0.99	8	-51.8	9.0	8	6.3	4.7	8	8.1	0.7	19	9.2	0.6	19
Apr	53	19	-8.56	1.35	8	-59.9	11.9	8	8.5	2.7	8	6.2	0.7	19	8.4	0.6	19
May	52	19	-8.56	2.05	7	-60.9	15.8	7	7.6	4.9	7	3.9	0.6	19	7.3	0.3	19
Jun	51	19	-8.97	1.07	7	-62.7	7.4	8	7.6	3.7	7	2.7	0.6	19	6.8	0.3	19
Jul	44	19	-9.10	1.14	8	-63.5	10.8	8	9.3	3.4	8	2.0	0.7	19	6.4	0.4	19
Aug	45	19	-9.31	1.37	8	-66.8	12.3	8	7.7	3.1	8	2.7	0.9	19	6.5	0.3	19
Sep	36	19	-8.16	1.57	8	-57.3	13.8	7	6.7	1.9	7	3.7	0.9	19	6.8	0.4	19
Oct	41	19	-8.37	1.78	7	-61.3	13.3	7	5.7	3.0	7	5.3	0.7	19	7.4	0.5	19
Nov	43	19	-7.75	1.87	9	-57.3	13.6	9	4.7	4.6	9	6.8	0.7	19	8.0	0.5	19
Dec	60	19	-6.92	1.32	9	-52.6	10.0	10	4.0	2.8	9	8.4	1.1	19	8.9	0.6	19

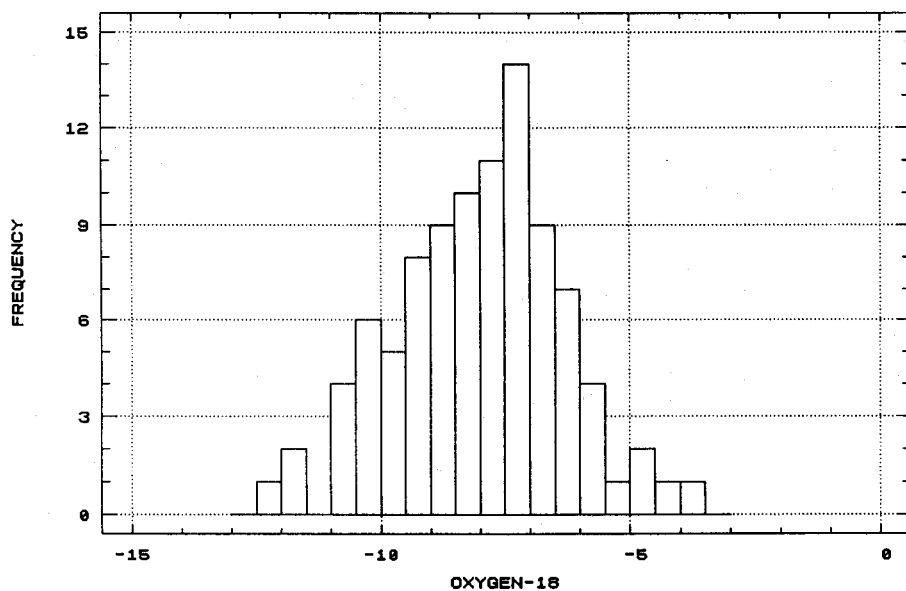
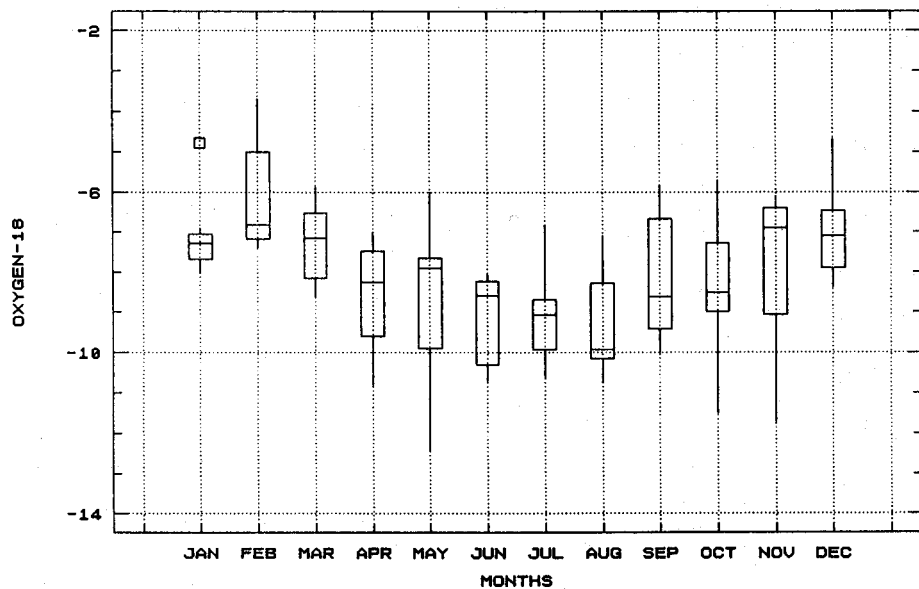
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	155	0.75	0.05	0.49	0.06	0.632	0.16
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	12	0.87	0.08	0.34	0.10	0.926	0.07
3) Monthly Deut vs. Monthly Precipitation	94	-0.06	0.06	-54.33	3.29	0.010	12.78
4) Monthly Oxyg-18 vs. Monthly Prec	95	-0.01	0.01	-7.59	0.43	0.010	1.66
5) Monthly Deut vs. Monthly Temperature	94	2.20	0.44	-69.70	2.76	0.213	11.39
6) Monthly Oxyg-18 vs. Monthly Temp	95	0.33	0.05	-9.89	0.34	0.290	1.41
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	92	7.36	0.23	1.54	1.89	0.918	3.71
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	92	7.68	0.23	4.10	1.91	0.918	3.71

8889000 STANLEY, FALKLAND ISLANDS (ATLANTIC OC.), UK

Lat. 51.70S Long. 57.87W Alt. 51 m a.s.l.





8895200 ARGENTINE ISLAND (ANTARCTIC), UK

Lat. 65.25S Long. 64.27W Alt. 0 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1964	490 (12)	93.2 (89.7/10)	97.5	-12.40 (97.9/11)	-12.58	-97.1 (97.9/11)	-98.7	2.1 (97.9/11)	2.0	-5.2 (12)	
1965	803 (12)	64.1 (58.6/8)	63.8	-9.94 (100.0/12)	-9.80	-70.9 (12.3/3)	-70.1	4.3 (12.3/3)	4.9	-4.3 (12)	
1966	710 (12)	84.8 (92.9/11)	81.7	-9.56 (92.9/11)	-9.32	-76.4 (92.9/11)	-75.0	0.1 (92.9/11)	-0.4	-5.3 (12)	
1967	295 (12)	64.9 (100.0/12)	81.6	-11.84 (89.1/10)	-10.84	-85.6 (89.1/10)	-82.9	9.2 (89.1/10)	3.9	-4.4 (12)	3.4 (12)
1968	310 (12)	68.6 (100.0/12)	64.0	-9.88 (100.0/12)	-9.10	-81.3 (50.3/7)	-78.8	-11.1 (50.3/7)	-11.0	-3.5 (12)	4.2 (12)
1969	386 (12)	74.3 (100.0/12)	75.7	-12.39 (100.0/12)	-11.51	-95.4 (100.0/12)	-89.9	3.8 (100.0/12)	2.3	-5.0 (12)	3.7 (12)
1970	207 (12)	45.9 (100.0/12)	53.9	-9.91 (100.0/12)	-9.81	-73.1 (100.0/12)	-72.6	6.3 (100.0/12)	6.0	-3.3 (12)	4.3 (12)
1971	233 (12)	90.8 (81.9/9)	81.4	-9.48 (100.0/11)	-8.63	-77.8 (100.0/11)	-72.3	-1.9 (100.0/11)	-3.4	-2.0 (12)	4.6 (12)
1972	292 (12)	58.8 (100.0/12)	61.0	-11.73 (100.0/12)	-11.70	-89.7 (85.6/10)	-88.7	4.7 (85.6/10)	5.3	-2.2 (12)	4.6 (12)
1973	331 (12)	105.2 (100.0/12)	99.0	-11.49 (100.0/12)	-11.02	-89.4 (100.0/12)	-87.1	2.6 (100.0/12)	1.0	-3.6 (12)	4.2 (12)
1974	221 (12)	50.6 (100.0/12)	50.5	-9.70 (100.0/12)	-9.26	-77.5 (100.0/12)	-77.3	0.2 (100.0/12)	-3.2	-2.1 (12)	4.5 (12)
1975	376 (12)	40.1 (100.0/12)	33.9	-12.30 (100.0/12)	-11.26	-99.9 (100.0/12)	-92.7	-1.6 (100.0/12)	-2.6	-3.4 (12)	4.2 (12)
1976	360 (12)	24.2 (100.0/11)	23.7	-12.15 (100.0/11)	-11.88	-92.5 (100.0/11)	-90.8	4.8 (100.0/11)	4.3	-5.4 (12)	3.9 (12)
1977	273 (12)	16.9 (100.0/12)	14.6	-12.13 (95.6/11)	-11.27	-95.8 (84.9/9)	-89.8	2.4 (84.9/9)	1.4	-5.1 (12)	3.9 (12)
1978	674 (12)	17.6 (100.0/12)	16.5	-11.23 (100.0/12)	-11.02	-84.1 (100.0/12)	-82.4	5.8 (100.0/12)	5.8	-5.4 (12)	4.1 (12)
1979	620 (12)	29.1 (100.0/12)	30.2	-11.49 (100.0/12)	-11.86	-84.6 (100.0/12)	-87.8	7.4 (100.0/12)	7.2	-4.4 (12)	4.2 (12)
1980	238 (12)	24.7 (100.0/12)	21.4	-12.40 (100.0/12)	-13.33	-98.0 (100.0/12)	-104.8	1.2 (100.0/12)	1.8		
1981	326 (12)	17.9 (100.0/12)	16.4	-9.67 (89.5/11)	-10.56	-80.1 (100.0/12)	-86.4	-2.6 (89.5/11)	-2.4	-4.9 (12)	4.0 (12)
1982	434 (2)	11.1 (100.0/12)	11.5	-10.15 (100.0/12)	-10.34	-81.8 (100.0/12)	-83.2	-0.7 (100.0/12)	-0.6		
1983		6.2 (9.0/1)	6.2	-9.29 (100.0/12)	-9.22	-74.0 (95.0/11)	-73.7	-2.1 (95.0/11)	-2.3		
1984		7.0 (100.0/12)	7.0	-9.65 (100.0/12)	-9.80	-78.0 (100.0/12)	-79.7	-0.9 (100.0/12)	-1.3		
1985	181 (12)	8.6 (100.0/12)	9.0	-6.68 (100.0/12)	-6.48	-62.9 (100.0/12)	-61.7	-9.5 (100.0/12)	-9.9	-1.9 (12)	4.6 (12)
1986	284 (12)	6.7 (90.8/11)	6.4	-11.38 (100.0/12)	-11.17	-91.1 (100.0/12)	-90.3	-0.1 (100.0/12)	-1.0	-4.0 (12)	4.1 (12)
1987	268 (12)	15.4 (98.5/11)	19.8	-10.97 (100.0/12)	-11.13	-89.5 (100.0/12)	-91.2	-1.8 (100.0/12)	-2.2		3.6 (12)
Long Term Means 363											
				-10.80	-10.54	-85.5	-84.5	1.8	0.6	-4.0	4.1
σ				1.41	1.45	9.6	9.7	4.1	3.9	1.2	0.3

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	24	22	-9.88	3.04	23	-81.6	23.7	22	-3.3	7.2	22	0.6	0.9	21	5.3	0.4	18
Feb	31	22	-8.89	2.10	24	-72.2	15.9	22	-1.8	4.0	22	0.5	0.8	21	5.2	0.5	18
Mar	41	21	-9.27	2.23	23	-75.1	16.4	22	0.5	3.9	22	-0.6	1.3	21	4.9	0.4	18
Apr	33	21	-10.38	2.52	24	-82.4	20.4	22	0.7	6.3	22	-2.4	1.7	21	4.4	0.5	18
May	37	21	-10.93	3.06	24	-84.7	21.2	21	4.4	8.2	21	-4.7	1.3	21	3.6	0.5	18
Jun	33	21	-11.62	1.97	23	-89.2	14.3	21	4.3	6.0	20	-6.8	2.2	21	3.2	0.6	18
Jul	33	21	-12.13	3.19	22	-92.5	24.5	20	3.8	5.9	20	-10.2	5.0	21	2.8	0.9	18
Aug	33	21	-12.55	3.05	24	-99.3	22.5	22	1.7	7.1	22	-10.2	3.4	21	2.8	0.5	18
Sep	39	21	-11.82	2.86	23	-92.9	21.0	22	1.1	6.8	22	-7.9	3.3	21	3.3	0.8	18
Oct	27	21	-10.49	2.67	24	-84.5	19.4	24	-0.6	6.6	24	-5.2	2.2	21	3.8	0.6	18
Nov	24	21	-9.98	3.10	23	-84.3	22.0	21	-2.6	5.4	21	-2.2	1.1	21	4.5	0.5	18
Dec	23	21	-8.44	2.91	23	-71.9	19.5	23	-4.4	9.2	23	-0.3	0.4	20	5.1	0.3	18

CORRELATIONS

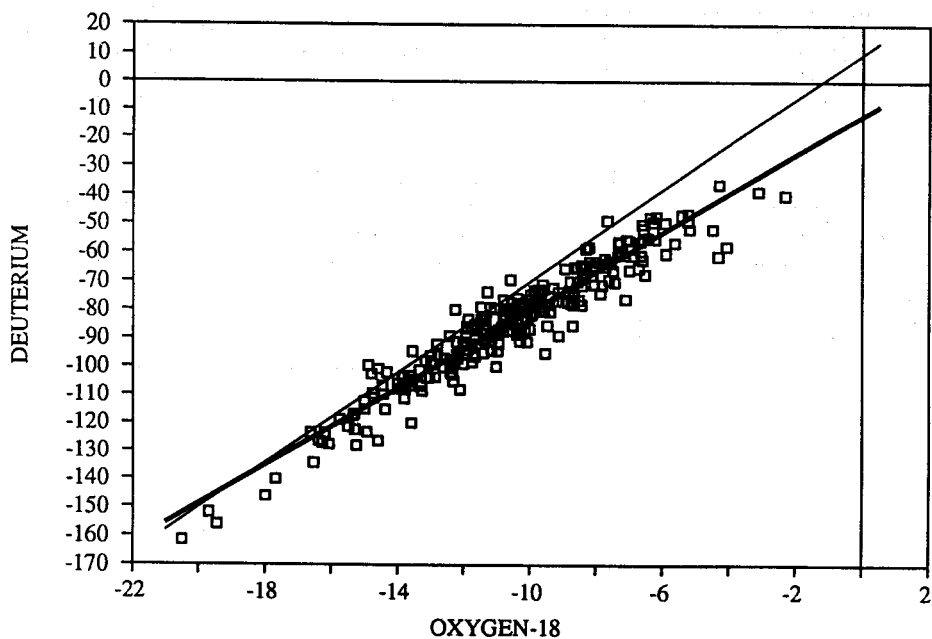
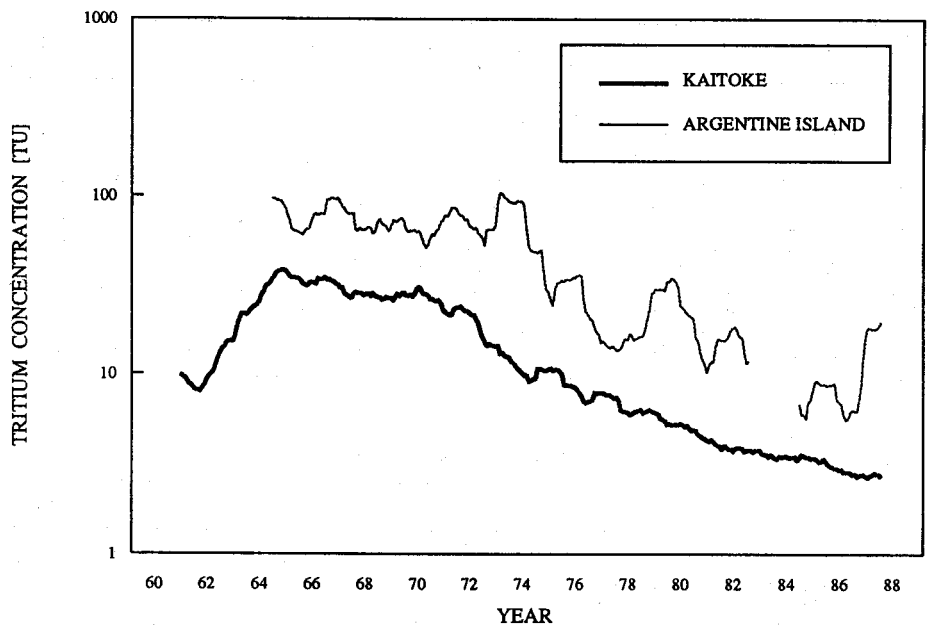
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	262	0.87	0.04	0.58	0.05	0.601	0.28
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	22	0.87	0.10	0.65	0.10	0.805	0.17
3) Monthly Deut vs. Monthly Precipitation	262	-0.09	0.07	-81.40	2.48	0.006	21.41
4) Monthly Oxyg-18 vs. Monthly Prec	280	-0.02	0.01	-9.97	0.31	0.017	2.96
5) Monthly Deut vs. Monthly Temperature	226	2.46	0.29	-74.79	1.72	0.245	18.84
6) Monthly Oxyg-18 vs. Monthly Temp	243	0.38	0.04	-9.09	0.22	0.296	2.55
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	261	6.84	0.13	-11.95	1.38	0.919	6.11
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	261	7.14	0.13	-8.85	1.43	0.919	6.11

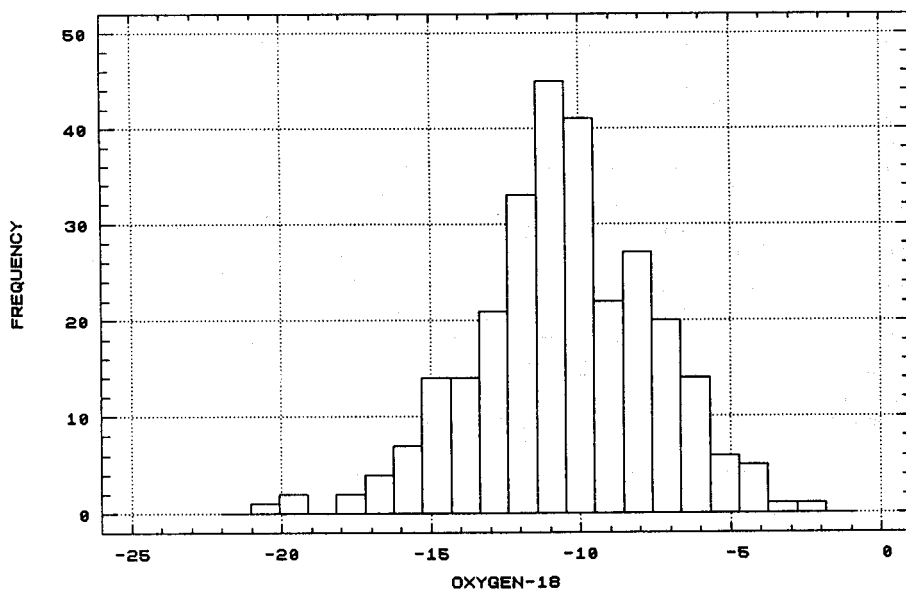
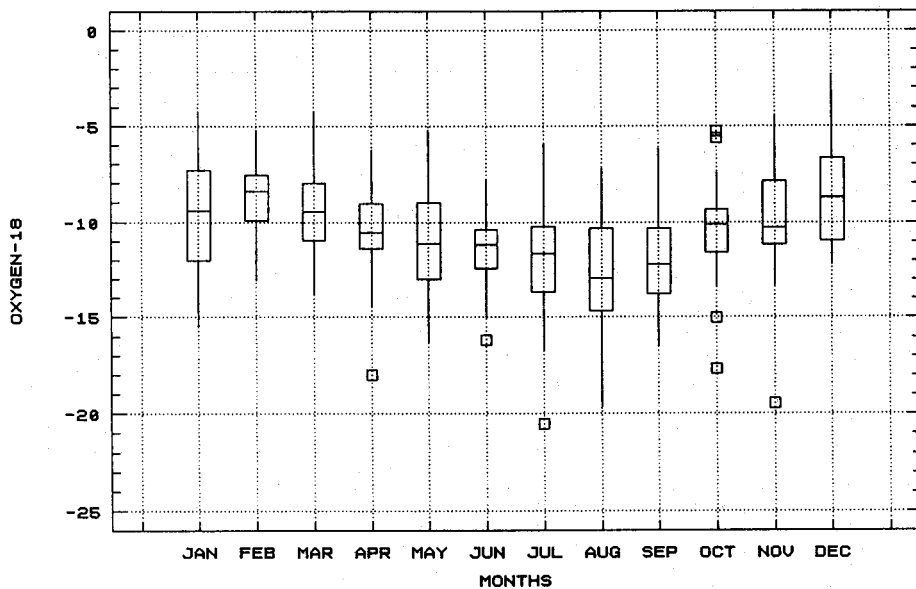
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
67 / 3	-4.70	-71.2		
67 / 9	-9.25	-127.3		
77 / 7	-11.69	-119.4		

8895200 ARGENTINE ISLAND (ANTARCTIC), UK

Lat. 65.25S Long. 64.27W Alt. 0 m a.s.l.





8902200 HALLEY BAY (ANTARCTIC), UK

Lat. 75.50S Long. 26.65W Alt. 0 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1965	423 (12)			-21.35 (31.9/4)	-21.31	-177.1 (31.9/4)	-176.8	-6.3 (31.9/4)	-6.3	-18.4 (12)	
1966	415 (12)	247.1 (40.2/5)	243.8	-17.90 (100.0/12)	-18.34	-143.0 (100.0/12)	-147.3	0.3 (100.0/12)	-0.6	-17.7 (12)	
1967	423 (12)	178.6 (87.4/11)	174.3	-19.38 (94.3/11)	-19.12	-148.0 (100.0/12)	-146.4	5.7 (94.3/11)	4.5	-19.1 (12)	
1968	423 (12)	214.5 (87.4/11)	220.0							-18.6 (12)	1.7 (12)
1969	423 (12)	154.0 (100.0/12)	158.0	-20.72 (100.0/12)	-20.61	-159.1 (100.0/12)	-157.7	6.8 (100.0/12)	7.3	-16.4 (12)	2.0 (12)
1970	423 (12)	147.2 (100.0/12)	150.7	-21.87 (100.0/12)	-22.32	-147.2 (78.9/9)	-151.3	13.1 (78.9/9)	12.4	-19.1 (12)	1.6 (12)
1971	423 (12)	119.1 (100.0/12)	115.2	-21.07 (100.0/12)	-21.75					-19.0 (12)	1.7 (12)
1972	447 (12)	101.4 (100.0/12)	119.2	-17.12 (100.0/12)	-18.31	-129.4 (97.9/11)	-134.8	6.2 (97.9/11)	6.1	-19.5 (12)	1.7 (12)
1973	359 (12)	76.8 (100.0/12)	86.1	-18.41 (100.0/12)	-18.90	-141.9 (100.0/12)	-145.4	5.4 (100.0/12)	5.8	-19.4 (12)	1.7 (12)
1974	317 (12)	44.8 (100.0/12)	46.4	-19.85 (100.0/12)	-18.86	-151.0 (100.0/12)	-143.1	7.9 (100.0/12)	7.8	-18.4 (12)	1.7 (12)
1975	559 (12)	41.5 (100.0/12)	36.9	-20.02 (87.1/10)	-18.65	-153.4 (87.1/10)	-142.9	6.8 (87.1/10)	6.3	-16.6 (12)	2.0 (12)
1976	423 (12)	37.5 (100.0/12)	33.9	-21.92 (100.0/12)	-20.71	-168.2 (100.0/12)	-158.8	7.3 (100.0/12)	7.0	-17.3 (12)	1.9 (12)
1977	423 (12)	22.1 (100.0/12)	23.7	-20.26 (100.0/12)	-20.96	-150.1 (100.0/12)	-156.2	12.0 (100.0/12)	11.5	-17.2 (12)	2.0 (12)
1978	507 (12)	20.1 (100.0/12)	22.5	-23.25 (100.0/12)	-21.94	-158.2 (57.0/9)	-157.4	6.0 (57.0/9)	5.7	-17.2 (12)	1.9 (12)
1979	492 (12)	18.0 (100.0/12)	22.7	-19.33 (100.0/12)	-20.48	-147.6 (100.0/12)	-157.6	7.1 (100.0/12)	6.4	-18.9 (12)	1.7 (12)
1980		18.0 (99.9/12)	19.4	-19.58 (99.9/12)	-20.28	-141.6 (99.9/12)	-147.7	15.1 (99.9/12)	14.6		
1981		15.7 (99.9/12)	16.9								
1982				-18.14 (40.4/3)	-17.57	-135.4 (40.4/3)	-130.9	9.8 (40.4/3)	9.7		
1983		15.1 (19.7/3)	15.0	-20.31 (99.9/12)	-21.14	-162.2 (99.9/12)	-169.5	0.4 (99.9/12)	-0.4		
1984		18.4 (93.8/11)	18.0	-24.06 (99.9/12)	-24.59	-189.6 (99.9/12)	-194.3	2.9 (99.9/12)	2.4		
1985		10.9 (99.9/12)	11.5	-20.51 (99.9/12)	-22.02	-157.3 (99.9/12)	-170.0	6.8 (99.9/12)	6.2	-18.8 (12)	1.6 (12)
1986		12.9 (99.9/12)	13.4	-22.91 (99.9/12)	-23.46	-171.9 (99.9/12)	-177.2	11.4 (99.9/12)	10.5		
1987		15.0 (99.9/12)	15.8	-23.37 (99.9/12)	-24.10	-179.4 (90.1/11)	-185.5	13.6 (90.1/11)	12.8		
Long Term Means 432				-20.67	-20.87	-155.4	-158.0	7.5	7.1	-18.2	1.8
σ				1.90	1.91	15.2	16.3	4.3	4.2	1.0	0.1

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	27	15	-13.01	3.36	19	-99.7	26.9	18	3.9	8.8	18	-4.6	1.0	17	3.9	0.3	14
Feb	43	15	-14.31	2.69	20	-106.4	24.6	18	8.5	6.8	18	-9.6	1.4	17	2.7	0.3	14
Mar	71	15	-17.83	3.33	20	-132.6	28.0	19	9.5	4.9	19	-16.2	2.7	17	1.7	0.3	14
Apr	61	15	-18.90	3.96	20	-144.3	31.2	19	8.3	6.3	19	-19.7	2.9	17	1.4	0.4	14
May	39	15	-22.65	3.16	19	-171.9	21.3	17	6.0	7.6	17	-23.1	3.7	17	1.0	0.4	14
Jun	21	15	-25.42	2.90	18	-190.9	20.0	16	8.9	6.4	16	-26.7	3.7	17	0.7	0.3	14
Jul	27	15	-25.55	4.54	20	-193.1	32.8	18	6.4	9.6	18	-29.3	3.3	17	0.6	0.2	14
Aug	42	15	-26.92	3.29	19	-205.8	23.9	16	8.0	7.0	16	-28.0	4.0	17	0.7	0.3	14
Sep	26	15	-25.91	3.86	20	-202.2	29.2	19	6.6	8.1	19	-25.6	3.0	17	0.8	0.3	14
Oct	38	15	-23.98	4.98	20	-185.8	41.1	18	3.5	8.0	18	-19.1	2.6	17	1.4	0.4	14
Nov	22	15	-20.63	2.95	18	-156.7	25.9	17	7.5	5.4	16	-11.7	1.5	17	2.4	0.3	14
Dec	16	15	-15.33	4.97	19	-117.3	37.9	18	3.5	7.3	18	-5.1	1.0	16	3.8	0.3	13

CORRELATIONS

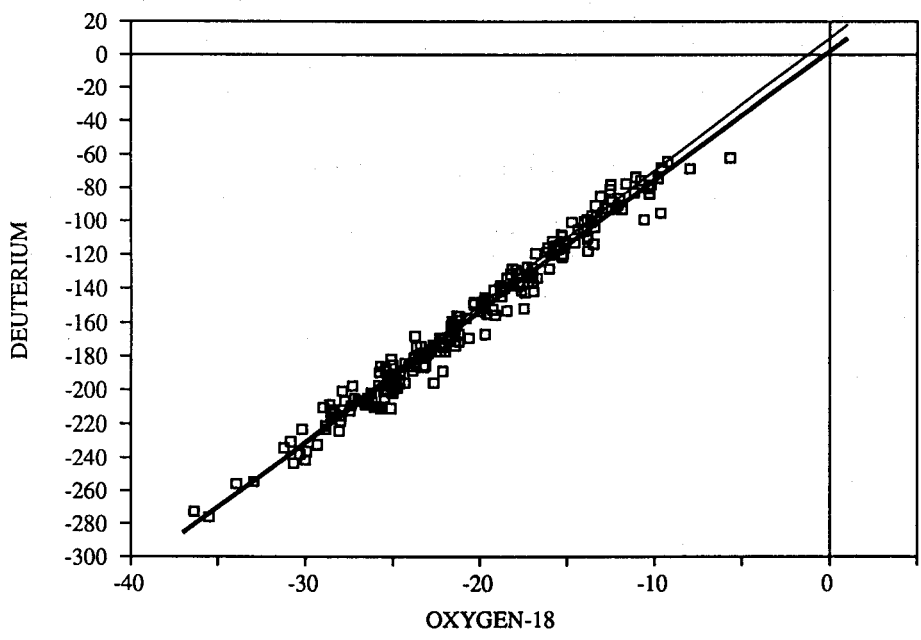
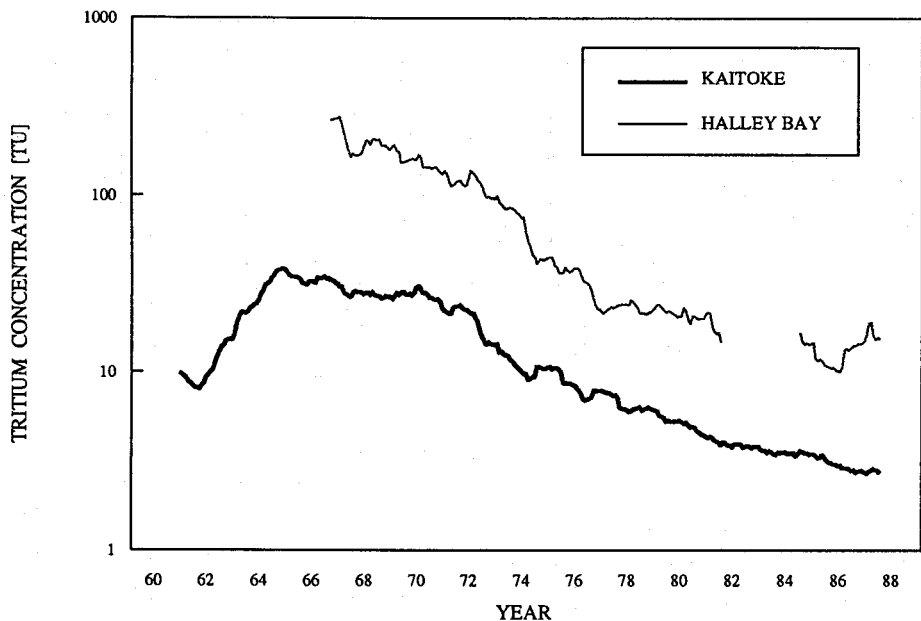
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	231	1.15	0.04	0.52	0.04	0.789	0.22
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	19	1.16	0.07	0.53	0.07	0.947	0.10
3) Monthly Deut vs. Monthly Precipitation	213	0.23	0.16	-166.53	6.45	0.011	46.37
4) Monthly Oxyg-18 vs. Monthly Prec	232	0.02	0.02	-21.58	0.79	0.005	5.98
5) Monthly Deut vs. Monthly Temperature	162	3.82	0.28	-85.08	5.59	0.541	31.14
6) Monthly Oxyg-18 vs. Monthly Temp	180	0.50	0.03	-11.20	0.69	0.560	4.00
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	212	7.78	0.09	2.26	1.83	0.975	7.31
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	212	7.88	0.08	4.27	1.89	0.975	7.31

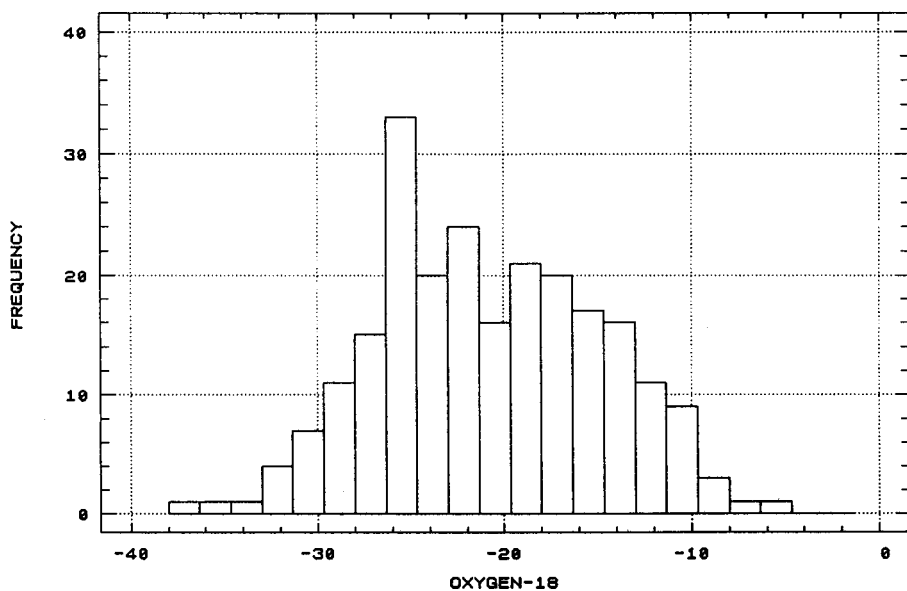
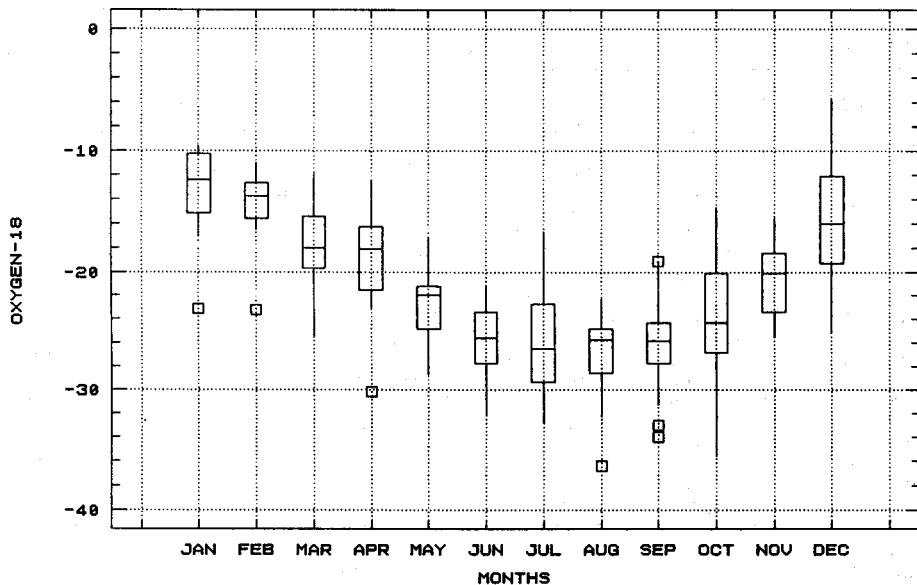
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
75	/ 6	-13.46	-143.1		
75	/ 8	-21.75	-200.6		

8902200 HALLEY BAY (ANTARCTIC), UK

Lat. 75.50S Long. 26.65W Alt. 0 m a.s.l.





9000001 WEATHERSHIP V (PACIFIC OC.), USA

Lat. 31.00N Long. 164.00E Alt. 0 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	1123 (2)	25.5 (48.4/2)	27.4	-4.85 (48.4/2)	-4.65	-32.1 (48.4/2)	-31.4	6.8 (48.4/2)	5.9	19.6 (12)	18.5 (12)
1963	742 (12)	313.4 (99.1/11)	336.8	-3.75 (100.0/12)	-3.33	-18.2 (100.0/12)	-17.9	11.8 (100.0/12)	8.8	18.9 (12)	17.6 (12)
1964	1009 (12)	202.7 (96.1/11)	267.3	-4.89 (100.0/12)	-5.05	-26.0 (100.0/12)	-28.6	13.2 (100.0/12)	11.8	19.0 (12)	18.2 (12)
1965	966 (12)	148.2 (100.0/12)	143.2	-4.41 (97.4/11)	-3.94	-23.7 (100.0/12)	-21.3	11.2 (97.4/11)	9.3		
1966	936 (10)	73.2 (100.0/11)	76.9	-4.13 (97.4/10)	-4.25	-25.3 (97.4/10)	-25.5	7.8 (97.4/10)	8.5		
1967	753 (12)	39.2 (100.0/12)	41.6	-3.42 (100.0/12)	-3.33	-23.3 (100.0/12)	-23.5	4.1 (100.0/12)	3.2	19.6 (12)	18.3 (12)
1968	1056 (12)	36.6 (84.8/10)	41.4	-4.91 (100.0/12)	-4.55	-25.6 (100.0/12)	-24.3	13.8 (100.0/12)	12.2	18.9 (12)	17.7 (12)
1969	892 (11)	35.8 (94.1/9)	34.6	-4.06 (100.0/12)	-3.43	-22.0 (100.0/12)	-18.7	10.6 (100.0/12)	8.8	18.9 (12)	19.0 (12)
1970	935 (12)	28.6 (85.2/10)	37.2	-4.92 (75.9/10)	-4.06					18.8 (12)	17.5 (12)
1971		33.2 (34.0/4)	35.0	-4.17 (24.2/3)	-4.16						
Long Term											
Means 832				-4.35	-3.99	-23.7	-22.8	10.7	8.9	19.1	18.1
σ				0.57	0.62	2.7	3.8	3.4	2.9	0.3	0.5

MONTHLY MEANS

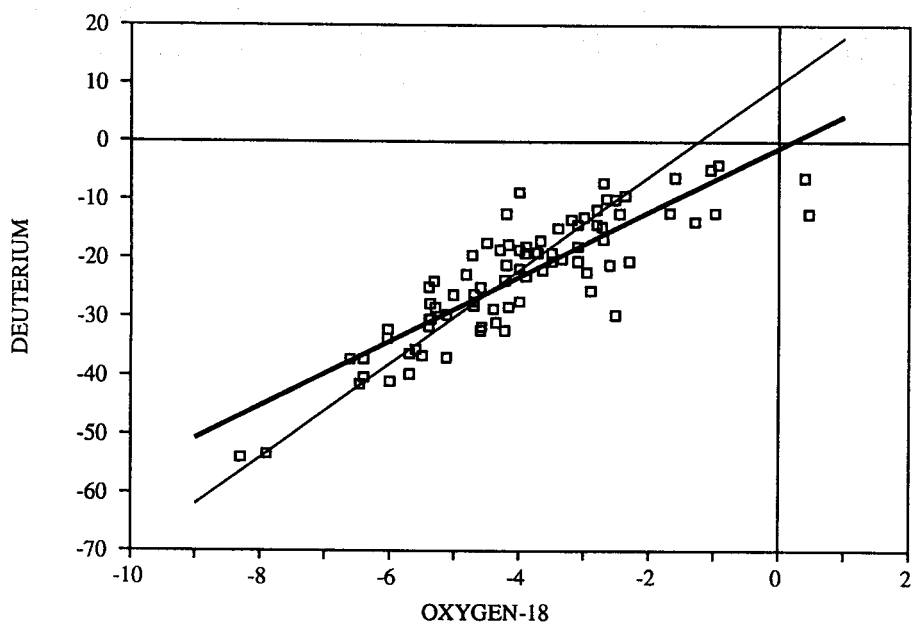
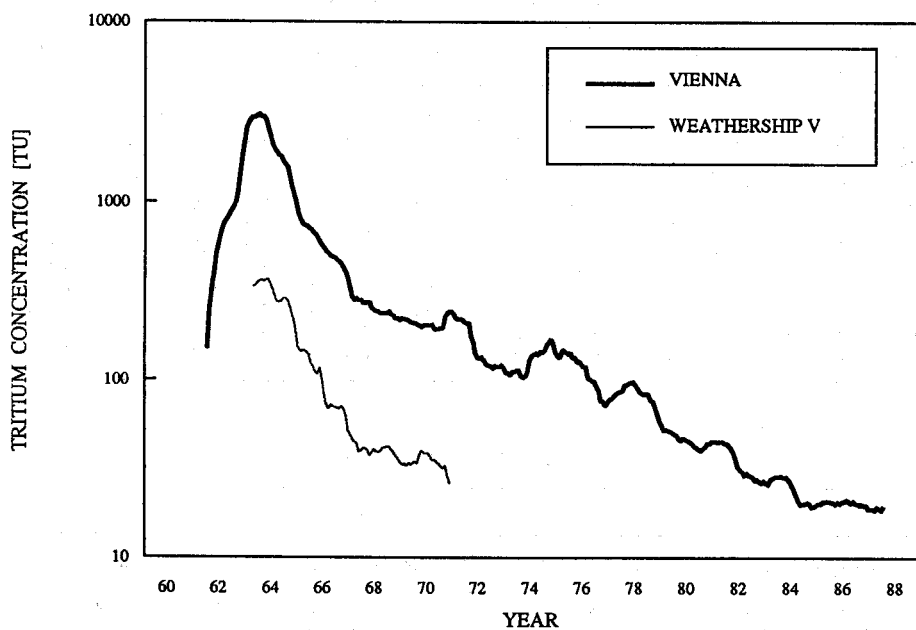
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	111	8	-4.33	0.54	7	-19.5	5.7	6	15.5	3.7	6	14.8	0.6	10	12.4	0.9	10
Feb	80	8	-4.19	1.22	8	-22.9	8.2	7	12.4	5.9	7	13.9	2.1	10	12.1	1.9	10
Mar	99	8	-3.86	0.67	8	-20.5	5.0	7	9.9	3.5	7	14.3	1.1	10	12.5	1.1	10
Apr	55	8	-3.05	1.01	8	-16.8	7.9	7	8.7	5.0	7	15.7	1.7	10	14.2	2.6	10
May	38	8	-3.27	2.36	8	-23.1	16.5	7	3.6	6.1	7	17.3	0.6	9	16.4	1.2	9
Jun	61	8	-4.49	2.14	8	-31.0	13.1	7	5.1	5.5	7	19.9	0.9	10	20.1	1.7	10
Jul	73	8	-4.50	1.89	9	-24.6	7.4	7	7.7	5.6	7	23.9	0.5	9	26.2	0.8	8
Aug	75	7	-5.00	1.60	9	-34.1	10.0	7	9.7	4.5	7	25.3	0.9	9	27.9	3.2	9
Sep	54	7	-4.27	1.71	7	-23.0	13.1	6	6.9	10.0	5	24.8	0.7	10	25.4	1.8	10
Oct	75	7	-3.58	1.46	7	-22.0	6.1	7	6.6	6.4	7	22.8	0.7	10	23.0	2.6	10
Nov	98	9	-3.66	1.37	9	-18.2	9.6	8	10.4	7.7	8	19.3	0.7	10	16.4	2.0	9
Dec	117	9	-3.69	2.25	8	-20.2	10.9	8	9.3	10.5	8	16.7	0.7	10	12.9	3.7	10

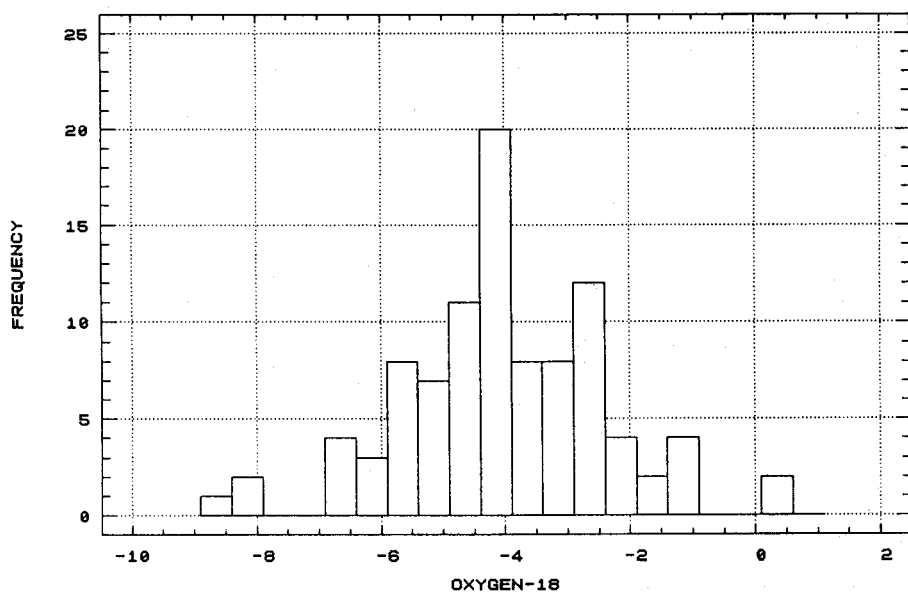
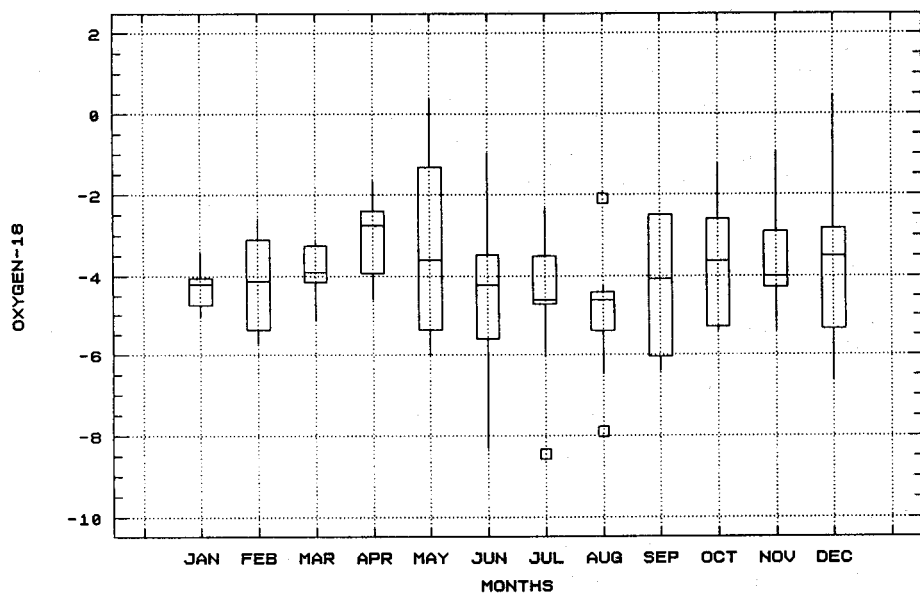
CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	88	0.81	0.06	-0.33	0.16	0.676	0.25
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	8	0.86	0.05	-0.48	0.14	0.980	0.06
3) Monthly Deut vs. Monthly Precipitation	84	-0.04	0.02	-19.49	2.25	0.037	10.40
4) Monthly Oxyg-18 vs. Monthly Prec	96	-0.01	0.00	-2.88	0.31	0.157	1.50
5) Monthly Deut vs. Monthly Temperature	82	-0.63	0.28	-10.87	5.35	0.061	10.20
6) Monthly Oxyg-18 vs. Monthly Temp	94	-0.06	0.04	-2.86	0.78	0.023	1.61
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	83	5.51	0.37	-1.10	1.58	0.737	5.42
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	83	6.42	0.36	2.53	1.67	0.737	5.42

9000001 WEATHERSHIP V (PACIFIC OC.), USA

Lat. 31.00N Long. 164.00E Alt. 0 m a.s.l.





9106600 MIDWAY ISLAND (PACIFIC OC.), USA

Lat. 28.22N Long. 177.37W Alt. 13 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	1394 (12)	97.3 (44.5/7)	84.4	-4.26 (86.3/11)	-3.67	-26.3 (86.3/11)	-22.6	7.8 (86.3/11)	6.8	22.0 (12)	22.4 (12)
1963	1224 (12)	241.3 (100.0/12)	261.9	-2.53 (83.2/9)	-2.36	-11.9 (83.2/9)	-10.5	8.4 (83.2/9)	8.5	22.4 (12)	21.4 (12)
1964	1161 (12)	154.9 (100.0/12)	171.8	-2.18 (100.0/12)	-2.32	-13.0 (100.0/12)	-14.6	4.5 (100.0/12)	4.0	21.6 (12)	19.7 (12)
1965	1212 (12)	74.6 (96.3/10)	65.0	-1.05 (86.1/8)	-1.92	-13.9 (28.3/5)	-7.7	4.6 (27.8/4)	4.0	21.4 (12)	17.4 (12)
1966	720 (11)	53.4 (66.0/11)	76.9	-1.26 (34.8/7)	-1.12	-9.5 (66.0/11)	-4.6	6.5 (34.8/7)	6.5		
1967	1477 (12)	31.9 (100.0/12)	29.3	-0.61 (48.6/6)	-0.63	-4.1 (77.1/11)	-2.7	-2.3 (48.6/6)	-2.5	22.6 (12)	21.6 (12)
1968	1392 (12)	23.3 (100.0/12)	26.5	-2.84 (100.0/12)	-2.15	-11.5 (100.0/12)	-6.9	11.3 (100.0/12)	10.4	22.2 (12)	21.6 (12)
1969	766 (12)	18.5 (100.0/12)	21.8	-2.25 (100.0/12)	-2.03	-10.1 (100.0/12)	-7.9	7.9 (100.0/12)	8.5	22.0 (12)	19.6 (12)
1970	1611 (12)	23.8 (95.9/11)	22.9	-3.13 (76.5/9)	-3.00					22.9 (12)	21.4 (12)
1971	1096 (12)	18.3 (100.0/12)	20.2	-2.12 (100.0/12)	-2.24					22.6 (12)	
1972	994 (12)	16.3 (100.0/12)	14.4	-2.79 (95.8/11)	-2.50	0.7 (2.4/1)	0.7	17.5 (2.4/1)	17.5	21.8 (12)	
1973	818 (12)	10.9 (100.0/12)	11.0	-1.61 (91.8/10)	-1.54	-5.1 (91.8/10)	-3.5	7.8 (91.8/10)	8.9	22.8 (12)	
1974	1809 (12)	12.5 (100.0/12)	11.7	-2.40 (69.3/9)	-2.01	-11.6 (69.3/9)	-8.8	7.6 (69.3/9)	7.4	22.7 (12)	
1975	957 (12)	10.0 (71.2/10)	10.1	-1.95 (100.0/12)	-2.16	-7.2 (96.1/11)	-7.9	8.2 (96.1/11)	9.1	22.8 (12)	
1976	1363 (12)	6.8 (96.4/11)	7.1	-1.71 (94.4/10)	-1.54	-1.2 (94.4/10)	-1.6	12.6 (94.4/10)	10.8	22.2 (12)	
1977	1573 (12)	8.6 (95.3/11)	8.9	-2.03 (98.2/11)	-2.15	-10.5 (21.8/2)	-8.6	15.4 (21.8/2)	14.3	22.1 (12)	
1978	884 (12)	7.2 (89.3/11)	8.0	-1.39 (75.1/11)	-1.53	-0.6 (100.0/12)	-2.5	9.1 (75.1/11)	9.2	22.4 (12)	
1979	1360 (12)	6.2 (100.0/12)	6.3	-2.73 (100.0/12)	-2.40	-10.3 (100.0/12)	-8.0	11.6 (100.0/12)	11.3	22.4 (12)	
1980				-1.84 (85.6/10)	-1.81	0.9 (95.8/11)	0.6	15.7 (85.6/10)	15.2		
1981				-2.53 (11.6/1)	-2.53	10.7 (25.9/3)	10.3				
1982	963 (9)	5.0 (68.4/8)	6.2	-3.15 (88.3/11)	-2.17	-16.3 (88.3/11)	-9.3	9.0 (88.3/11)	8.2		
1983	706 (7)			-3.31 (62.0/10)	-2.63	-16.0 (62.0/10)	-10.5	10.6 (62.0/10)	10.5		
1984	1286 (11)	4.1 (100.0/12)	4.2	-3.44 (100.0/12)	-3.35	-15.0 (100.0/12)	-14.6	12.6 (100.0/12)	12.2		
1985	1022 (9)	3.3 (69.0/9)	3.3	-3.40 (93.7/12)	-3.28	-18.6 (93.7/12)	-18.2	8.6 (93.7/12)	8.2		
1986	803 (12)	3.9 (100.0/12)	3.8	-3.45 (100.0/12)	-2.76	-20.3 (100.0/12)	-13.6	7.4 (100.0/12)	8.6		
1987	510 (12)	3.0 (100.0/12)	3.1	-2.02 (100.0/12)	-1.98	-6.0 (100.0/12)	-5.7	10.1 (100.0/12)	10.2		
Long Term											
Means 1090				-2.52	-2.33	-10.6	-8.8	9.7	9.4	22.3	20.6
σ				0.81	0.59	7.5	6.2	2.7	2.4	0.4	1.6

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	127	23	-1.64	1.53	24	-3.5	10.5	20	6.4	5.5	19	18.6	0.8	18	15.6	2.3	9
Feb	87	23	-1.78	1.71	23	-6.0	11.1	20	8.8	4.3	19	18.7	1.1	18	15.3	2.2	9
Mar	95	23	-2.00	1.55	21	-5.7	12.5	18	9.6	5.6	17	18.9	1.1	18	15.8	2.4	9
Apr	99	21	-2.65	2.13	21	-13.0	21.0	18	7.6	3.7	16	20.0	1.2	17	18.2	2.1	8
May	59	22	-2.24	1.57	20	-9.2	14.0	19	7.7	4.3	17	20.6	4.8	19	17.1	5.6	10
Jun	46	23	-1.53	1.25	23	-5.0	6.8	19	6.4	5.8	18	24.4	1.0	18	23.3	3.8	9
Jul	100	23	-2.71	1.58	22	-12.1	12.2	18	10.6	4.6	18	25.1	2.4	18	23.9	4.4	9
Aug	94	23	-2.83	1.59	23	-13.0	12.8	21	8.1	5.2	20	26.1	0.8	18	26.4	0.8	9
Sep	90	23	-2.45	1.48	22	-8.1	11.3	19	9.4	5.5	18	25.7	0.9	18	26.0	2.7	9
Oct	102	24	-2.49	1.92	22	-8.2	11.9	18	10.2	5.7	17	24.0	0.8	18	22.7	1.8	9
Nov	131	23	-2.76	1.61	21	-11.3	12.6	20	10.4	6.4	19	22.4	1.2	18	20.3	2.6	9
Dec	110	24	-2.22	2.15	22	-6.2	13.5	23	11.0	7.2	20	20.4	1.1	18	17.5	2.4	9

CORRELATIONS

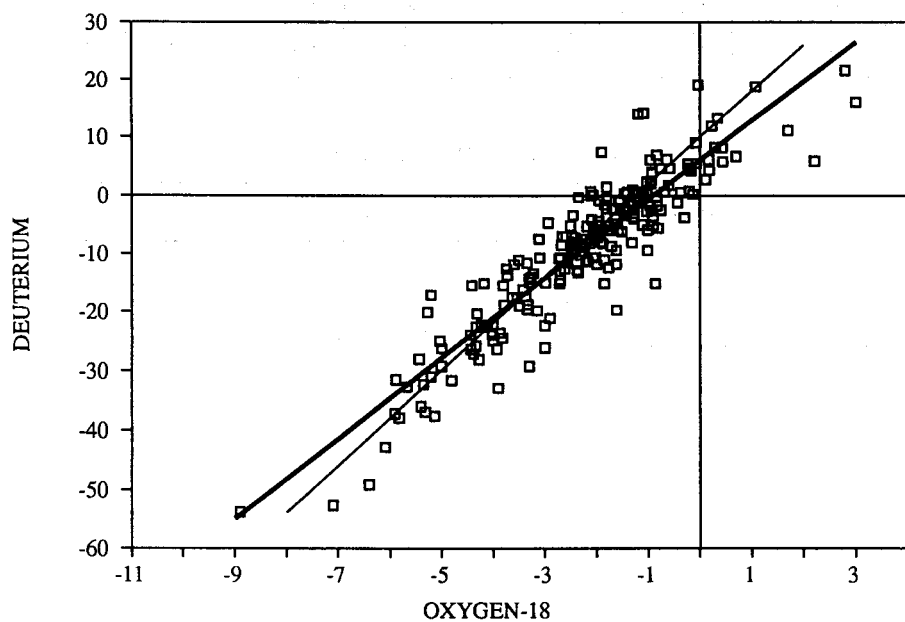
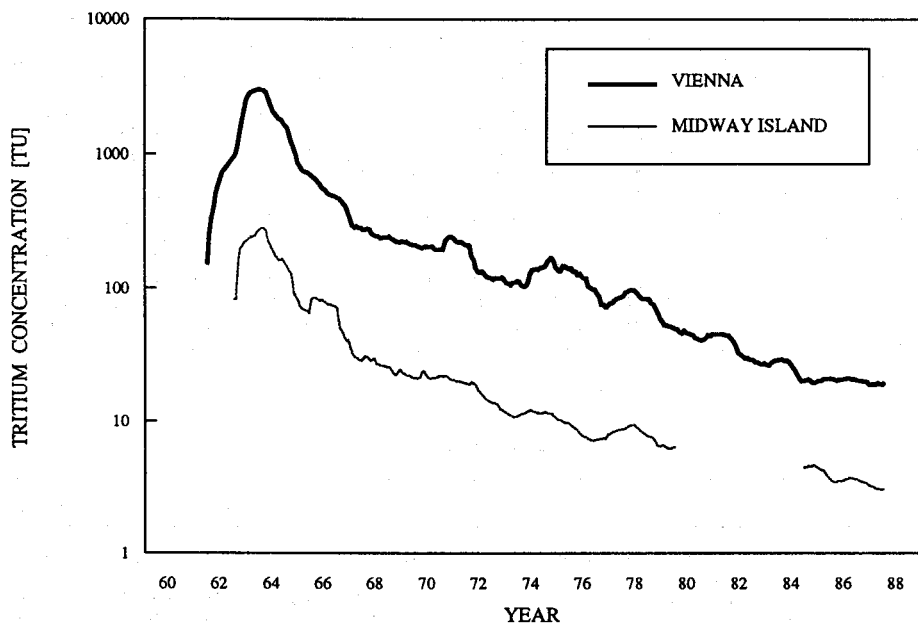
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	244	0.82	0.04	-0.58	0.08	0.652	0.36
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	17	0.88	0.04	-0.75	0.09	0.970	0.09
3) Monthly Deut vs. Monthly Precipitation	233	-0.04	0.01	-4.76	1.36	0.047	12.66
4) Monthly Oxyg-18 vs. Monthly Prec	264	-0.00	0.00	-1.99	0.16	0.018	1.70
5) Monthly Deut vs. Monthly Temperature	151	-0.29	0.31	-1.43	6.77	0.006	12.59
6) Monthly Oxyg-18 vs. Monthly Temp	185	-0.03	0.04	-1.42	0.86	0.004	1.74
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	218	6.80	0.20	6.15	0.57	0.840	5.12
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	218	7.42	0.20	7.55	0.67	0.840	5.12

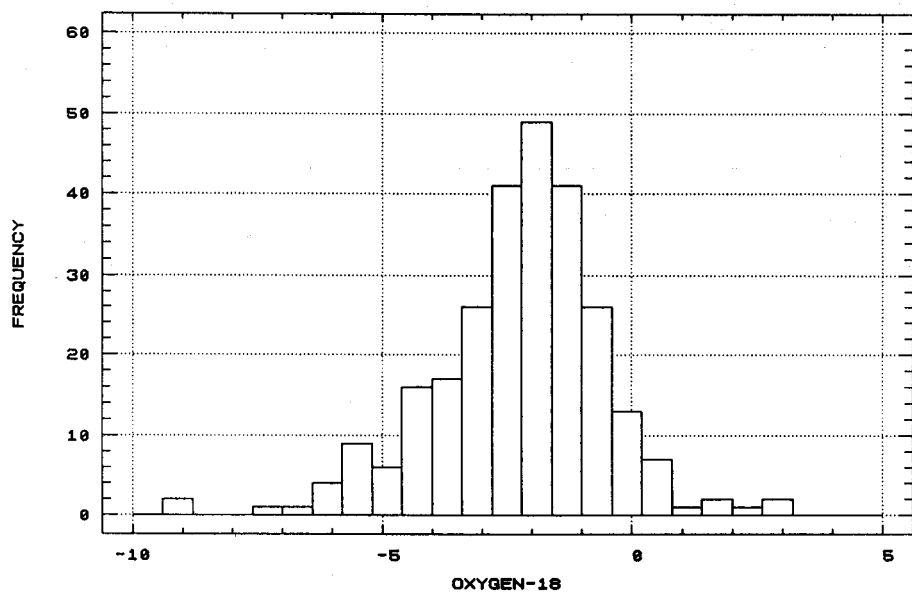
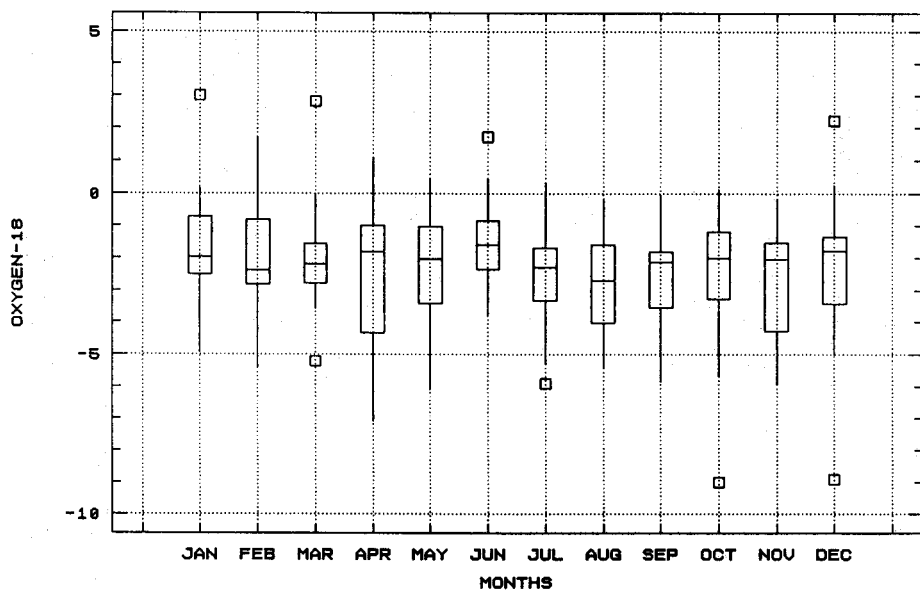
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
80 / 3		48.9		
81 / 2	3.54	-8.7		
83 / 10	-5.82	4.8		

9106600 MIDWAY ISLAND (PACIFIC OC.), USA

Lat. 28.22N Long. 177.37W Alt. 13 m a.s.l.





9121700 TAGUAC, GUAM ISLAND (PACIFIC OC.), USA

Lat. 13.55N Long. 144.83E Alt. 110 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1961	2534 (12)	84.7 (4.3/1)	84.7	-2.60 (4.3/1)	-2.60	-6.9 (4.3/1)	-6.9	13.9 (4.3/1)	13.9	26.1 (12)	
1962	3262 (12)	72.1 (68.9/8)	76.9	-6.13 (100.0/12)	-5.06	-32.8 (100.0/12)	-25.2	16.3 (100.0/12)	15.4	26.1 (12)	
1963	3520 (12)	83.6 (93.2/11)	87.3	-5.58 (100.0/12)	-5.06	-35.9 (100.0/12)	-31.7	8.8 (100.0/12)	8.9	26.1 (12)	
1964	2787 (12)	53.8 (67.4/9)	55.1	-5.74 (100.0/12)	-4.42	-34.1 (100.0/12)	-24.1	11.8 (100.0/12)	11.3	26.0 (12)	28.6 (12)
1965	1988 (12)	25.4 (77.2/9)	32.7	-4.98 (91.1/11)	-1.62	-31.7 (91.1/11)	-10.3	8.2 (91.1/11)	2.8	25.8 (12)	27.1 (12)
1966	1890 (12)	21.3 (80.8/10)	33.1	-4.51 (95.4/10)	-2.34	-24.2 (95.4/10)	-8.7	11.9 (95.4/10)	10.1	26.1 (12)	28.0 (12)
1967	3214 (12)	14.9 (98.0/11)	16.5	-3.11 (31.3/5)	-2.68					25.7 (12)	28.2 (12)
1968	2440 (12)	9.6 (3.4/1)	9.6							25.7 (12)	28.2 (12)
1969	2186 (12)	7.5 (88.2/11)	8.7							26.2 (12)	27.6 (12)
1970	2241 (12)	10.0 (95.9/11)	10.5							26.2 (12)	28.8 (12)
1971	3281 (12)	11.4 (100.0/12)	9.2							26.1 (12)	29.0 (12)
1972	2778 (12)	10.2 (94.1/11)	9.0							25.8 (12)	28.1 (12)
1973	1700 (12)	14.5 (48.7/8)	13.9	-3.03 (93.7/10)	-2.37	-16.8 (93.7/10)	-10.4	7.5 (93.7/10)	8.6	26.1 (12)	28.1 (12)
1974	3206 (12)	6.6 (63.1/7)	6.5	-5.56 (100.0/12)	-4.79	-36.6 (100.0/12)	-30.2	8.0 (100.0/12)	8.2	26.0 (12)	28.3 (12)
1975	2349 (12)	6.0 (100.0/12)	5.9	-4.85 (100.0/12)	-3.53	-28.7 (93.0/11)	-18.1	11.5 (93.0/11)	10.9	25.9 (12)	
1976	4214 (12)	4.1 (94.6/11)	4.2	-5.02 (100.0/12)	-4.39	-28.8 (100.0/12)	-24.3	11.4 (100.0/12)	10.9	25.8 (12)	28.4 (12)
1977	2159 (12)			-1.76 (10.3/3)	-1.59	-1.2 (10.3/3)	0.2	12.9 (10.3/3)	12.9	25.9 (12)	28.1 (12)
1978	2108 (12)									26.1 (12)	
Long Term Means 2659				-5.21	-3.73	-31.1	-20.3	10.8	9.7	26.0	28.2
σ				0.93	1.31	6.4	8.8	2.8	3.3	0.1	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	157	18	-2.64	1.82	10	-6.2	12.7	9	14.2	4.2	9	25.0	0.4	18	26.2	1.1	15
Feb	114	18	-0.99	1.56	10	0.8	7.4	9	9.8	7.8	9	25.1	0.5	18	25.8	0.9	15
Mar	132	18	-1.10	0.92	9	0.7	8.4	9	9.5	5.5	9	25.4	0.4	18	26.1	1.4	15
Apr	133	18	-2.25	3.19	10	-14.4	23.7	9	3.9	7.2	9	26.1	0.4	18	27.5	1.5	14
May	217	18	-3.77	2.86	9	-22.3	20.0	9	7.9	4.1	9	26.4	0.5	18	28.4	0.9	14
Jun	158	18	-3.91	1.68	10	-20.5	14.0	9	11.0	4.6	9	26.5	0.3	18	29.0	0.8	14
Jul	293	18	-5.79	1.86	10	-37.9	14.6	9	9.5	1.9	9	26.2	0.3	18	28.8	2.1	14
Aug	369	18	-6.13	2.30	9	-38.1	15.1	9	10.9	6.4	9	26.1	0.4	18	29.6	0.6	14
Sep	374	18	-6.75	1.50	9	-40.5	12.4	9	13.5	3.4	9	26.1	0.2	18	29.7	0.5	14
Oct	333	18	-5.32	2.23	8	-31.6	16.5	8	11.0	7.0	8	26.1	0.2	18	29.4	0.7	14
Nov	217	18	-3.68	2.24	8	-20.6	15.7	8	8.8	3.5	8	26.2	0.3	18	29.3	0.4	14
Dec	162	18	-2.48	2.89	10	-12.0	19.6	9	7.9	8.0	9	25.8	0.3	18	27.7	0.8	14

CORRELATIONS

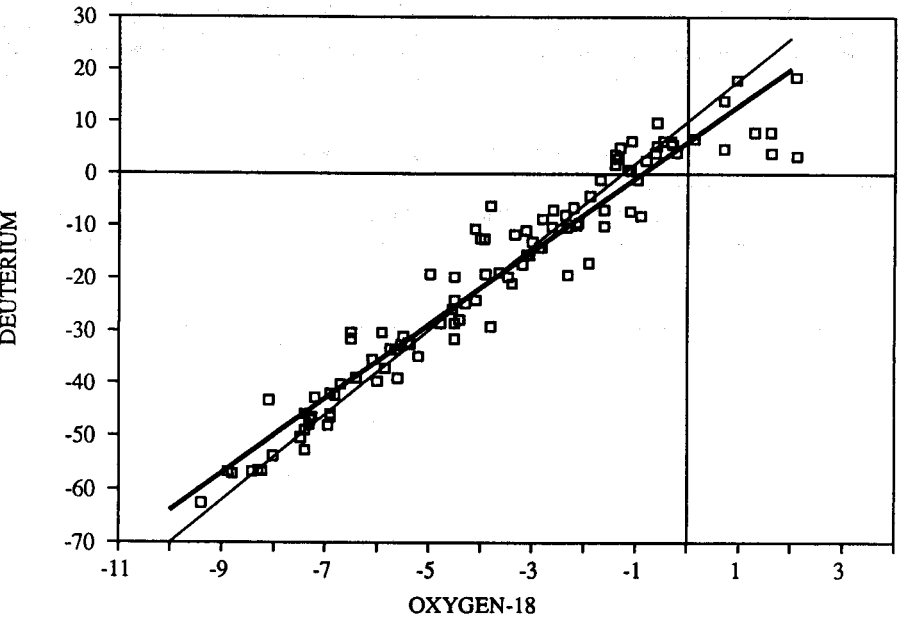
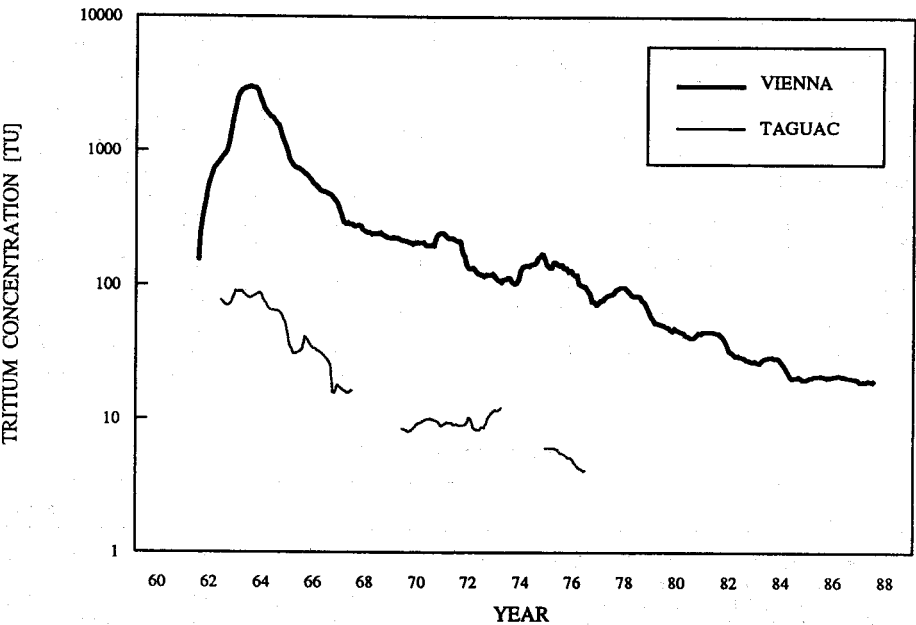
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	137	0.75	0.04	-0.68	0.11	0.687	0.24
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	10	0.79	0.07	-0.86	0.17	0.946	0.09
3) Monthly Deut vs. Monthly Precipitation	106	-0.09	0.01	-0.07	2.39	0.508	14.45
4) Monthly Oxyg-18 vs. Monthly Prec	112	-0.01	0.00	-0.95	0.32	0.500	1.98
5) Monthly Deut vs. Monthly Temperature	106	-12.07	3.35	293.04	86.99	0.111	19.42
6) Monthly Oxyg-18 vs. Monthly Temp	112	-1.46	0.45	34.07	11.59	0.088	2.67
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	106	7.01	0.18	6.10	0.85	0.935	5.25
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	106	7.25	0.18	6.99	0.98	0.935	5.25

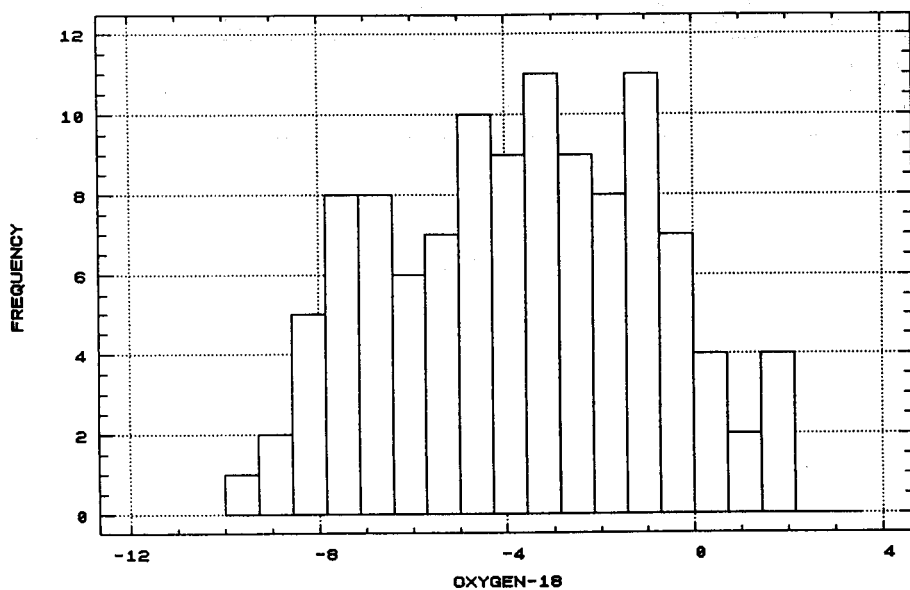
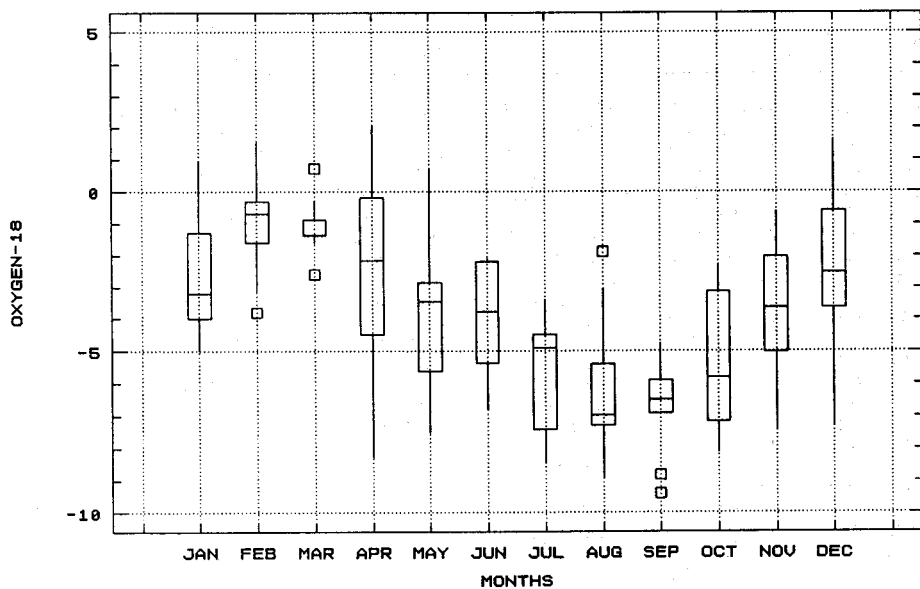
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
65	/ 10	-6.32	-12.5		
66	/ 3	4.28	26.7		

9121700 TAGUAC, GUAM ISLAND (PACIFIC OC.), USA

Lat. 13.55N Long. 144.83E Alt. 110 m a.s.l.





9124500 WAKE ISLAND (PACIFIC OC.), USA

Lat. 19.28N Long. 166.65E Alt. 3 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	1233 (12)	48.5 (72.8/6)	49.9 (99.0/11)	-3.77 (99.0/11)	-2.47 (99.0/11)	-19.4 (99.0/11)	-10.8 (99.0/11)	10.8 (99.0/11)	9.0 (99.0/11)	26.6 (12)	26.4 (12)
1963	765 (12)	133.7 (98.1/11)	131.8 (100.0/12)	-1.97 (100.0/12)	-1.75 (100.0/12)	-11.9 (100.0/12)	-9.8 (100.0/12)	3.9 (100.0/12)	4.3 (100.0/12)	26.8 (12)	26.5 (12)
1964	917 (12)	88.3 (100.0/12)	87.7 (80.6/9)	-3.14 (80.6/9)	-2.20 (80.6/9)	-13.0 (80.6/9)	-6.1 (80.6/9)	12.1 (80.6/9)	11.5 (80.6/9)	26.6 (12)	25.3 (12)
1965	673 (12)	37.9 (100.0/12)	55.2 (100.0/12)	-1.67 (100.0/12)	-1.37 (100.0/12)	-3.9 (100.0/12)	0.3 (100.0/12)	9.6 (100.0/12)	11.2 (100.0/12)	25.9 (12)	24.6 (12)
1966	607 (12)	29.4 (100.0/12)	30.3 (100.0/12)	-2.11 (79.5/7)	-1.62 (79.5/7)	-8.9 (90.6/10)	-4.0 (90.6/10)	6.7 (79.5/7)	7.8 (79.5/7)	26.4 (12)	25.2 (12)
1967	1583 (12)	21.6 (100.0/12)	22.9 (100.0/12)	-3.91 (69.1/5)	-3.43 (69.1/5)	-16.2 (100.0/12)	-6.3 (100.0/12)	6.3 (69.1/5)	5.6 (69.1/5)	26.6 (12)	26.2 (12)
1968	1039 (12)			-2.53 (99.6/11)	-2.19 (99.6/11)	-12.6 (99.6/11)	-8.0 (99.6/11)	7.8 (99.6/11)	9.5 (99.6/11)	26.8 (12)	25.8 (12)
1969	613 (12)			-1.71 (100.0/12)	-1.11 (100.0/12)	-7.6 (80.4/11)	-2.1 (80.4/11)	6.8 (80.4/11)	6.7 (80.4/11)	27.2 (12)	25.7 (12)
1970	910 (12)	16.4 (100.0/12)	15.8 (81.3/9)	-1.88 (81.3/9)	-1.27 (81.3/9)					27.6 (12)	26.2 (12)
1971	1338 (12)	12.2 (100.0/12)	12.8 (58.0/10)	-1.88 (58.0/10)	-1.53 (58.0/10)					26.7 (12)	25.1 (12)
1972	752 (12)	10.0 (100.0/12)	11.3 (64.3/9)	-1.52 (64.3/9)	-1.57 (64.3/9)	5.3 (13.9/1)	5.3 (13.9/1)	2.7 (13.9/1)	2.7 (13.9/1)	26.3 (12)	24.7 (12)
1973	706 (12)	12.4 (100.0/12)	9.5 (82.1/10)	-0.63 (82.1/10)	-0.37 (82.1/10)	2.3 (82.1/10)	3.7 (82.1/10)	7.3 (82.1/10)	6.6 (82.1/10)	26.6 (12)	25.0 (12)
1974	858 (12)	8.7 (100.0/12)	9.0 (57.9/10)	-0.93 (57.9/10)	-0.97 (57.9/10)	-0.4 (55.1/9)	-0.4 (55.1/9)	7.0 (55.1/9)	7.2 (55.1/9)	26.2 (12)	25.5 (12)
1975	889 (12)	6.6 (100.0/12)	6.9 (100.0/12)	-1.42 (100.0/12)	-1.10 (100.0/12)	-4.1 (100.0/12)	-0.3 (100.0/12)	7.4 (100.0/12)	8.6 (100.0/12)	26.4 (12)	26.3 (12)
1976	733 (12)	5.7 (100.0/12)	5.6 (100.0/12)	-0.78 (100.0/12)	-0.65 (100.0/12)	-1.1 (100.0/12)	0.8 (100.0/12)	5.2 (100.0/12)	5.9 (100.0/12)	26.8 (12)	26.9 (12)
Long Term Means 908				-2.11	-1.46	-10.3	-3.9	8.0	8.1	26.6	25.7
σ				0.94	0.66	6.8	4.7	2.5	2.3	0.4	0.7

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	32	15	-0.79	0.61	12	5.0	7.4	10	10.3	7.3	9	24.9	0.6	15	22.5	1.5	15
Feb	39	15	-0.51	1.09	11	4.3	4.6	11	6.3	6.1	10	24.7	0.6	15	21.8	1.7	15
Mar	48	15	-0.78	1.20	14	5.1	6.9	12	9.9	4.4	11	25.3	0.8	15	23.0	1.4	15
Apr	56	15	-0.94	0.84	14	1.7	6.6	12	8.0	3.5	11	25.6	1.0	15	23.9	1.2	15
May	54	15	-0.97	1.03	14	-0.5	9.9	11	7.0	3.3	10	26.6	0.7	15	25.9	1.2	15
Jun	63	15	-1.43	1.23	14	-5.0	7.5	11	7.3	6.6	11	27.7	0.6	15	27.3	1.2	15
Jul	110	15	-2.43	1.30	13	-8.6	10.0	11	9.9	4.4	10	27.9	0.5	15	28.2	1.5	15
Aug	124	15	-3.12	1.33	15	-16.5	12.8	12	8.1	3.5	12	28.1	0.5	15	28.6	1.0	15
Sep	153	15	-2.72	1.44	12	-14.6	11.4	11	8.0	4.9	11	27.8	0.6	15	28.8	1.2	15
Oct	112	15	-1.87	0.99	12	-10.7	6.9	10	4.0	6.5	10	27.7	0.5	15	28.3	1.1	15
Nov	61	15	-1.68	1.69	9	-7.6	11.8	10	8.0	3.1	8	26.9	0.5	15	25.8	1.8	15
Dec	56	15	-0.32	1.22	11	4.4	7.1	11	6.9	6.8	9	25.7	0.6	15	23.7	1.8	15

CORRELATIONS

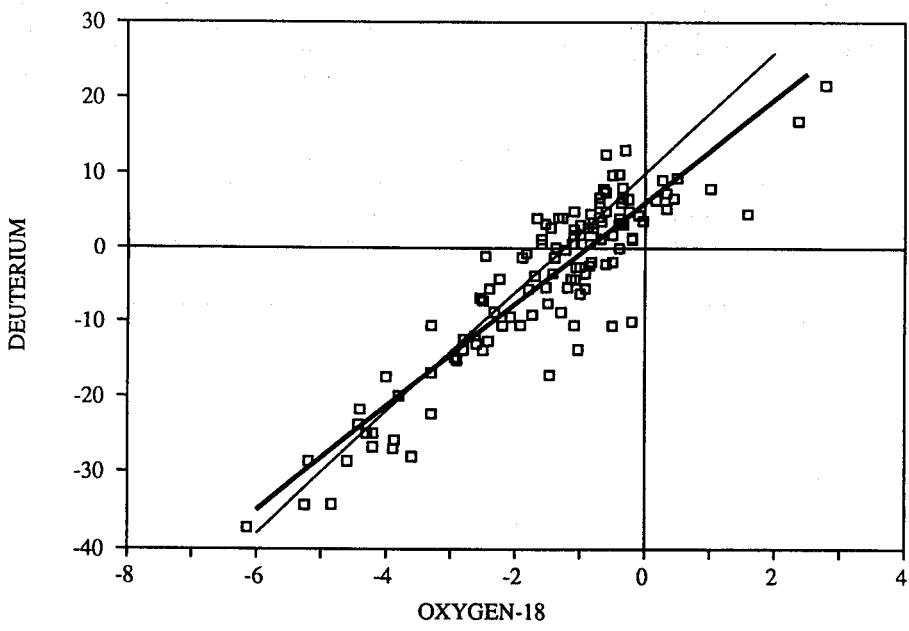
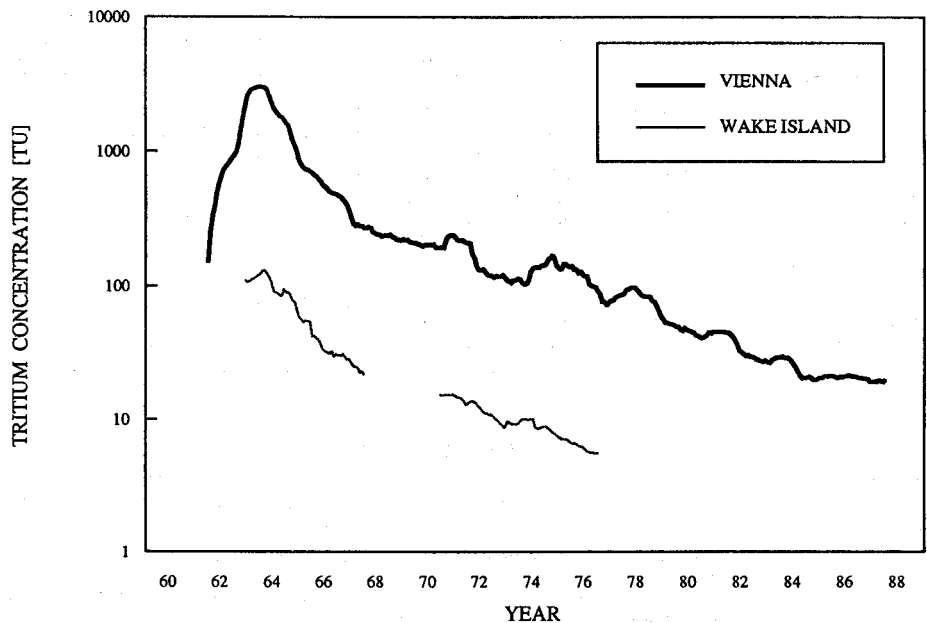
	n	a	σ	b	σ	r ²	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	143	0.75	0.03	-0.57	0.08	0.792	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	12	0.85	0.06	-0.85	0.16	0.947	0.10
3) Monthly Deut vs. Monthly Precipitation	132	-0.11	0.01	4.57	1.21	0.375	9.13
4) Monthly Oxyg-18 vs. Monthly Prec	151	-0.01	0.00	-0.53	0.15	0.320	1.19
5) Monthly Deut vs. Monthly Temperature	132	-4.99	0.62	128.90	16.55	0.331	9.45
6) Monthly Oxyg-18 vs. Monthly Temp	151	-0.46	0.08	10.89	2.05	0.198	1.30
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	122	6.84	0.30	6.08	0.63	0.817	4.93
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	122	7.57	0.29	7.16	0.77	0.817	4.93

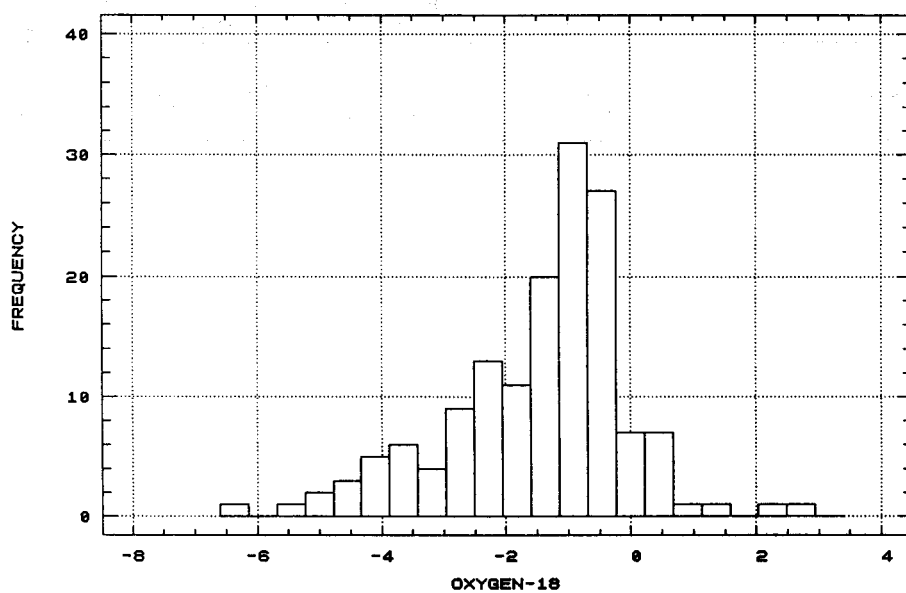
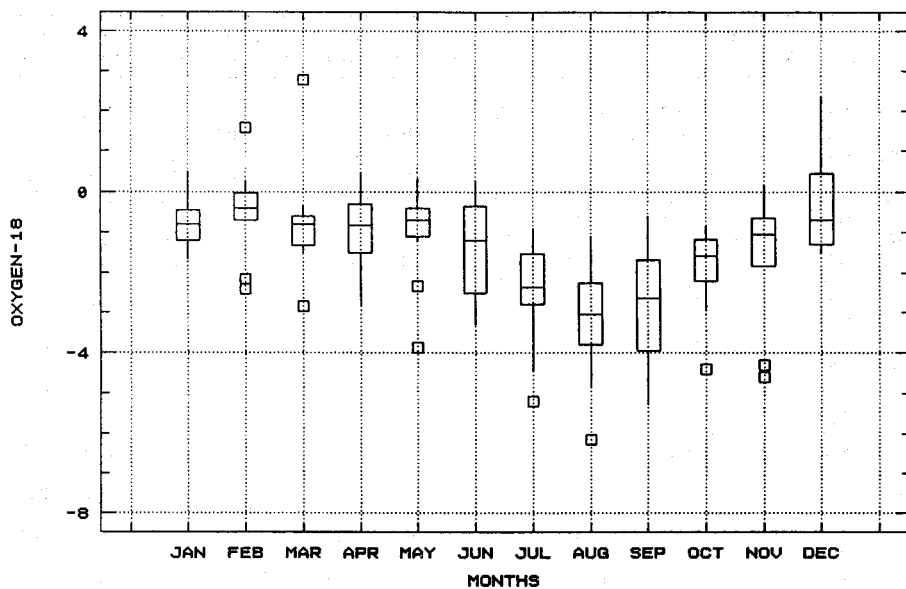
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
68 / 2	-0.96	25.5		

9124500 WAKE ISLAND (PACIFIC OC.), USA

Lat. 19.28N Long. 166.65E Alt. 3 m a.s.l.





9127500 JOHNSTON ISLAND (PACIFIC OC.), USA

Lat. 16.73N Long. 169.52W Alt. 2 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1962	600 (12)	84.8 (72.0/9)	58.3 (100.0/12)	-2.00 (100.0/12)	-1.72 (100.0/12)	-9.3 (100.0/12)	-7.7 (100.0/12)	6.8 (100.0/12)	6.1 (100.0/12)	26.2 (12)	25.0 (12)
1963	900 (12)	156.4 (100.0/12)	103.2 (100.0/12)	-2.09 (100.0/12)	-1.24 (100.0/12)	-12.8 (100.0/12)	-5.0 (100.0/12)	4.0 (100.0/12)	5.0 (100.0/12)	26.2 (12)	26.9 (12)
1964	994 (12)	75.1 (97.3/11)	71.5 (93.6/10)	-3.84 (93.6/10)	-2.50 (89.5/9)	-25.1 (89.5/9)	-17.0 (89.5/9)	7.1 (89.5/9)	5.3 (89.5/9)	25.8 (12)	25.0 (12)
1965	527 (12)	41.6 (96.9/11)	42.9 (100.0/12)	-2.48 (100.0/12)	-1.47 (100.0/12)	-8.9 (100.0/12)	-0.9 (100.0/12)	11.0 (100.0/12)	10.9 (100.0/12)	25.7 (12)	23.8 (12)
1966	633 (12)	16.0 (75.3/8)	24.0 (2.8/1)	-0.26 (2.8/1)	-0.26 (2.8/1)					26.3 (12)	25.0 (12)
1967	1002 (12)	14.9 (100.0/12)	16.7 (100.0/12)							26.3 (12)	26.1 (12)
1968	1157 (12)	12.4 (79.0/9)	13.2 (79.0/9)							26.6 (12)	25.9 (12)
1969	2006 (12)	10.6 (100.0/12)	13.2 (100.0/12)							26.3 (12)	25.3 (12)
1970	584 (12)	11.0 (100.0/12)	12.8 (100.0/12)							26.3 (12)	25.7 (12)
1971	602 (12)	11.1 (100.0/12)	11.5 (100.0/12)							25.8 (12)	25.3 (12)
1972	871 (12)	8.8 (100.0/12)	8.6 (5.1/1)	-2.49 (5.1/1)	-2.49 (5.1/1)	-5.0 (5.1/1)	-5.0 (5.1/1)	15.0 (5.1/1)	15.0 (5.1/1)	26.0 (12)	25.7 (12)
1973	639 (12)	8.2 (100.0/12)	8.8 (100.0/12)	-1.80 (100.0/12)	-1.41 (100.0/12)	-6.9 (100.0/12)	-2.0 (100.0/12)	7.5 (100.0/12)	9.3 (100.0/12)	25.6 (12)	25.1 (12)
1974	581 (12)	9.4 (60.0/6)	8.6 (60.0/6)	-2.61 (95.6/11)	-1.83 (95.6/11)	-14.0 (95.6/11)	-7.3 (95.6/11)	6.9 (95.6/11)	7.4 (95.6/11)	26.3 (12)	25.5 (12)
1975	264 (12)			-1.72 (96.9/11)	-1.48 (96.9/11)	-4.6 (90.9/10)	-2.6 (90.9/10)	8.9 (90.9/10)	8.7 (90.9/10)	25.7 (12)	24.5 (12)
1976	617 (12)			-3.19 (95.1/11)	-2.08 (95.1/11)	-16.5 (95.1/11)	-8.4 (95.1/11)	9.0 (95.1/11)	8.3 (95.1/11)	25.6 (12)	23.8 (12)
Long Term Means 798				-2.58	-1.72	-13.6	-6.4	7.3	7.6	26.0	25.2
σ				0.75	0.41	6.6	5.1	2.1	2.0	0.3	0.8

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	37	15	-0.94	1.41	9	-0.7	11.3	8	7.5	5.2	8	24.8	0.4	15	22.8	1.5	15
Feb	57	15	-1.01	1.22	8	0.4	9.6	8	8.5	3.4	8	24.7	0.6	15	22.8	1.6	15
Mar	89	15	-3.01	1.23	8	-13.9	12.8	8	10.2	4.1	8	24.7	0.5	15	23.3	1.7	15
Apr	70	15	-2.83	1.82	7	-13.5	13.9	7	9.1	4.0	7	25.3	0.4	15	24.3	1.5	15
May	70	15	-2.28	2.47	8	-13.4	19.6	8	4.8	4.5	8	26.0	0.5	15	25.3	1.3	15
Jun	26	15	-0.29	0.92	7	2.4	6.2	7	4.7	7.4	7	26.6	0.5	15	26.1	1.2	15
Jul	32	15	-0.95	0.76	8	-0.4	5.3	8	7.2	4.1	8	27.0	0.7	15	26.9	1.6	15
Aug	73	15	-1.33	1.47	7	-3.6	9.7	7	7.0	6.0	7	27.2	0.4	15	26.2	3.5	15
Sep	78	15	-2.03	1.10	7	-10.1	5.5	6	5.8	4.6	6	27.2	0.4	15	26.9	1.2	15
Oct	84	15	-1.89	1.30	7	-7.6	7.7	7	7.6	5.0	7	27.0	0.4	15	27.1	0.9	15
Nov	71	15	-1.38	0.70	8	-4.7	3.2	7	8.0	4.9	7	26.2	0.5	15	26.1	0.7	15
Dec	109	15	-2.29	1.68	9	-7.4	10.4	9	10.9	6.3	9	25.3	0.4	15	24.6	2.0	15

CORRELATIONS

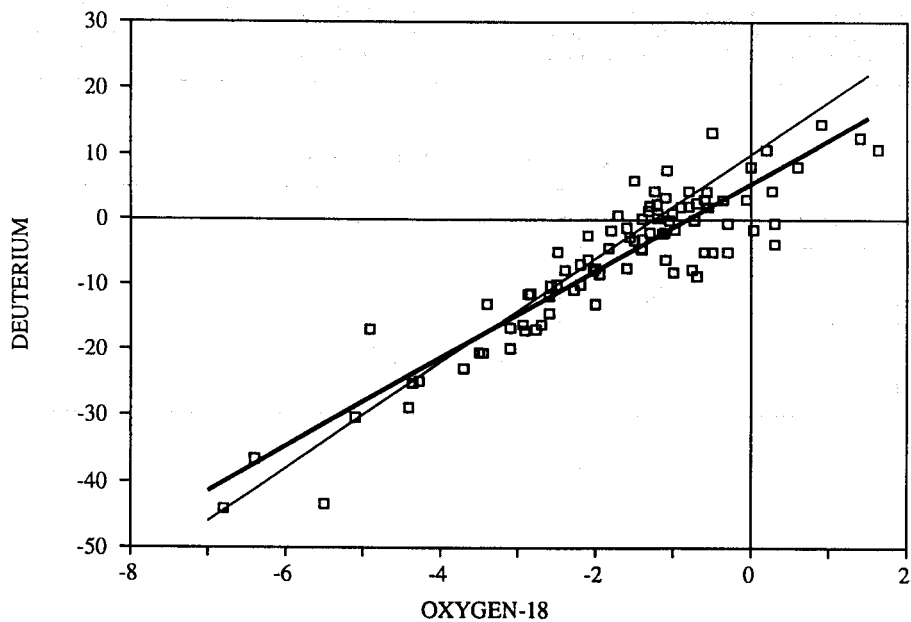
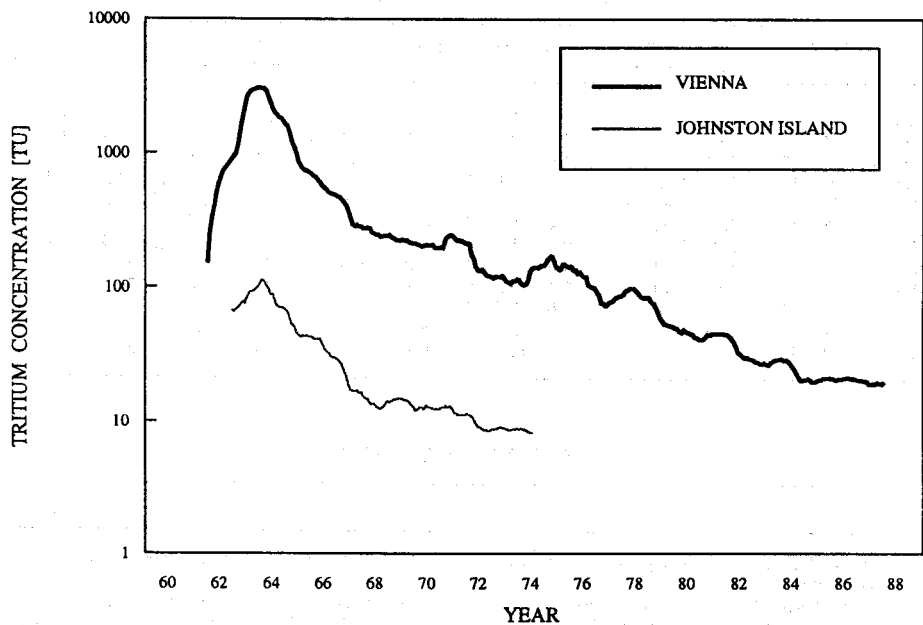
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	132	0.68	0.03	-0.44	0.09	0.748	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	11	0.89	0.06	-1.03	0.16	0.961	0.09
3) Monthly Deut vs. Monthly Precipitation	90	-0.12	0.02	0.53	1.32	0.374	9.14
4) Monthly Oxyg-18 vs. Monthly Prec	93	-0.01	0.00	-0.93	0.19	0.278	1.33
5) Monthly Deut vs. Monthly Temperature	90	-0.28	1.20	1.33	30.89	0.001	11.55
6) Monthly Oxyg-18 vs. Monthly Temp	93	0.08	0.16	-3.75	4.14	0.003	1.56
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	90	6.70	0.32	5.48	0.74	0.834	4.71
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	90	7.34	0.32	6.57	0.89	0.834	4.71

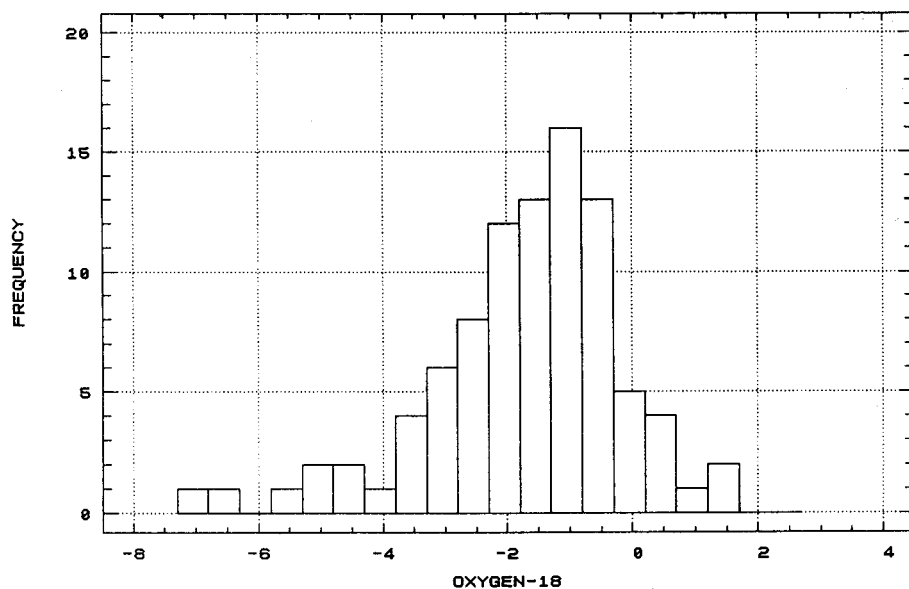
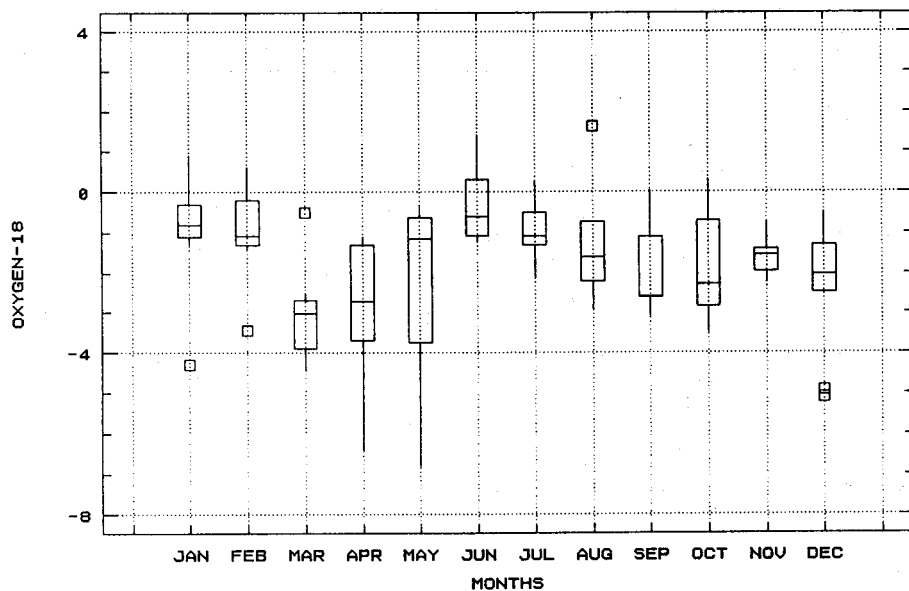
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
64 / 6	-2.20	-31.8		
64 / 9	3.30	13.1		
64 / 11		-27.4		
66 / 3			266.00	11.0
66 / 4			107.00	11.0
74 / 10	-5.12	10.5		

9127500 JOHNSTON ISLAND (PACIFIC OC.), USA

Lat. 16.73N Long. 169.52W Alt. 2 m a.s.l.





9128500 HAWAII (HILO), USA

Lat. 19.72N Long. 155.07W Alt. 9 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1960	3765 (12)									22.9 (12)	20.9 (12)
1962	1814 (12)	56.1 (96.4/11)	54.3	-1.04 (96.4/11)	-1.06	0.8 (96.4/11)	0.2	9.2 (96.4/11)	8.7	22.9 (12)	20.4 (12)
1963	2981 (12)	200.7 (99.3/11)	166.9	-2.44 (100.0/12)	-1.85	-4.6 (100.0/12)	-2.1	15.0 (100.0/12)	12.7	23.3 (12)	21.4 (12)
1964	4227 (12)	109.5 (100.0/12)	109.2	-2.10 (100.0/12)	-2.03	-5.2 (100.0/12)	-5.3	11.6 (100.0/12)	11.0	22.9 (12)	21.8 (12)
1965	3234 (12)	58.3 (90.5/10)	62.3	-2.76 (89.6/10)	-2.37	-11.8 (72.2/8)	-9.0	11.4 (72.2/8)	10.6	22.9 (12)	20.9 (12)
1966	3150 (12)	28.0 (93.8/11)	32.3	-1.48 (66.8/9)	-1.48	2.0 (66.8/9)	1.2	13.8 (66.8/9)	13.0	23.5 (12)	22.4 (12)
1967	3911 (12)	26.2 (76.3/9)	29.6	-2.62 (100.0/12)	-2.32	-9.4 (100.0/12)	-7.6	11.6 (100.0/12)	11.0	24.2 (12)	22.4 (12)
1968	3272 (12)	25.6 (36.7/4)	23.3	-2.84 (100.0/12)	-2.65	-11.3 (100.0/12)	-10.1	11.5 (100.0/12)	11.1	24.3 (12)	24.0 (12)
1969	4398 (12)	20.4 (35.6/8)	19.6	-1.78 (81.6/9)	-1.83	-5.2 (81.6/9)	-3.9	9.1 (81.6/9)	10.8	23.3 (12)	22.6 (12)
1970	3911 (12)	13.5 (1.7/1)	13.5							22.8 (12)	17.3 (12)
1971	3575 (12)									23.0 (12)	21.7 (12)
1972	2509 (12)									23.2 (12)	
1973	2751 (12)									23.4 (12)	
1974	2867 (12)									23.7 (12)	22.0 (12)
Long Term Means 3312				-2.29	-2.02	-6.4	-4.8	11.4	10.9	23.3	21.5
σ				0.65	0.51	4.3	3.7	2.2	1.2	0.4	1.6

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	248	14	-2.15	0.97	7	-3.6	7.6	7	13.6	5.5	7	22.0	0.7	14	19.5	1.4	13
Feb	271	14	-2.01	0.91	8	-4.7	8.1	7	11.4	5.7	7	21.9	0.9	14	19.5	1.9	13
Mar	304	14	-2.36	1.06	7	-7.6	9.1	7	11.3	2.5	7	22.2	0.9	14	19.5	3.6	13
Apr	455	14	-2.20	1.28	7	-4.8	8.7	6	12.8	4.7	6	22.6	0.5	14	21.1	3.6	14
May	285	14	-1.72	1.29	8	-1.6	7.3	8	12.2	5.6	8	23.3	0.8	14	22.2	3.6	14
Jun	151	14	-1.02	0.64	8	-0.7	3.6	8	7.5	4.9	8	24.0	0.6	14	21.5	3.6	13
Jul	233	14	-2.10	0.48	8	-5.0	4.2	8	11.8	5.7	8	24.3	0.5	14	23.5	1.5	14
Aug	237	14	-1.98	0.78	6	-6.3	6.9	6	9.5	3.5	6	24.5	0.4	14	23.7	1.5	14
Sep	190	14	-1.68	0.66	8	-3.2	4.0	8	10.3	5.4	8	24.6	0.6	14	23.4	1.1	14
Oct	215	14	-1.68	0.54	8	-4.2	5.1	8	9.3	4.6	8	24.3	0.6	14	23.0	1.5	13
Nov	369	14	-3.01	1.27	6	-11.0	13.4	6	13.1	5.2	6	23.2	0.8	14	22.0	1.7	13
Dec	355	14	-2.03	1.62	6	-5.2	11.4	6	11.0	3.3	6	22.4	0.7	14	20.5	1.1	13

CORRELATIONS

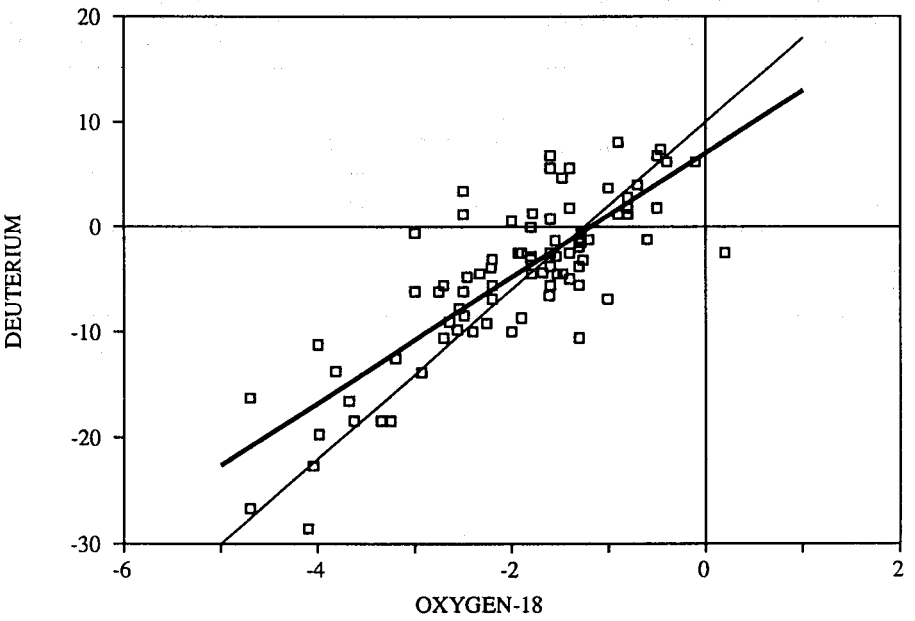
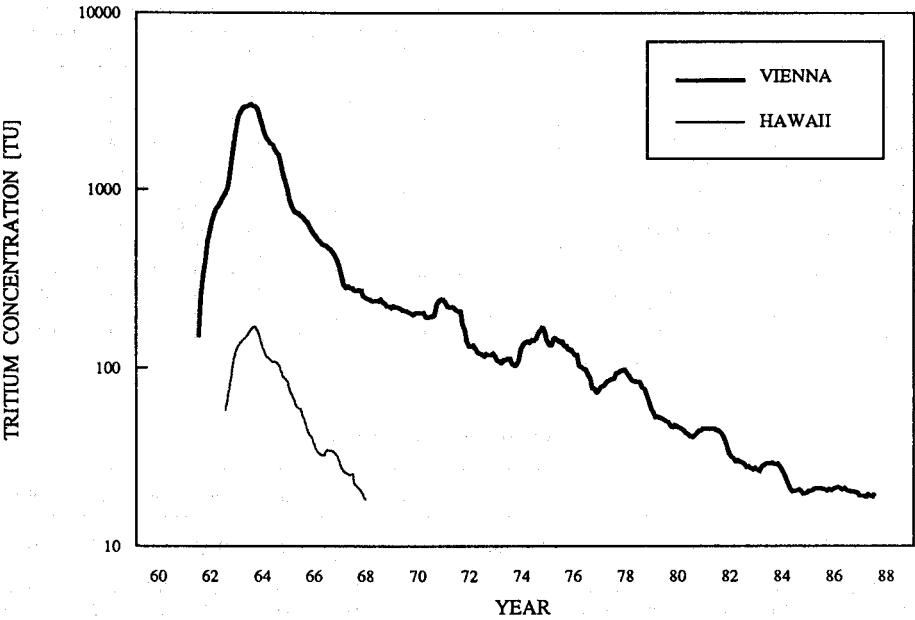
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Vienna	74	0.74	0.05	-0.39	0.13	0.788	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Vienna	6	0.91	0.09	-0.92	0.28	0.959	0.08
3) Monthly Deut vs. Monthly Precipitation	85	-0.01	0.00	-1.32	1.39	0.091	7.28
4) Monthly Oxyg-18 vs. Monthly Prec	87	-0.00	0.00	-1.42	0.18	0.132	0.96
5) Monthly Deut vs. Monthly Temperature	85	-1.06	0.70	20.18	16.38	0.027	7.53
6) Monthly Oxyg-18 vs. Monthly Temp	87	-0.04	0.09	-1.01	2.14	0.002	1.03
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	85	5.94	0.46	7.03	1.03	0.664	4.42
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	85	7.29	0.46	9.68	1.13	0.664	4.42

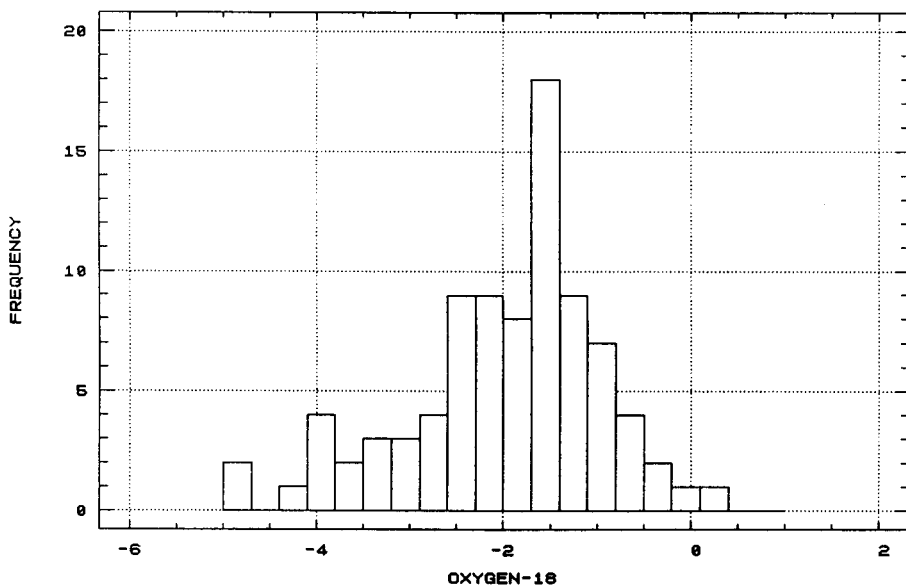
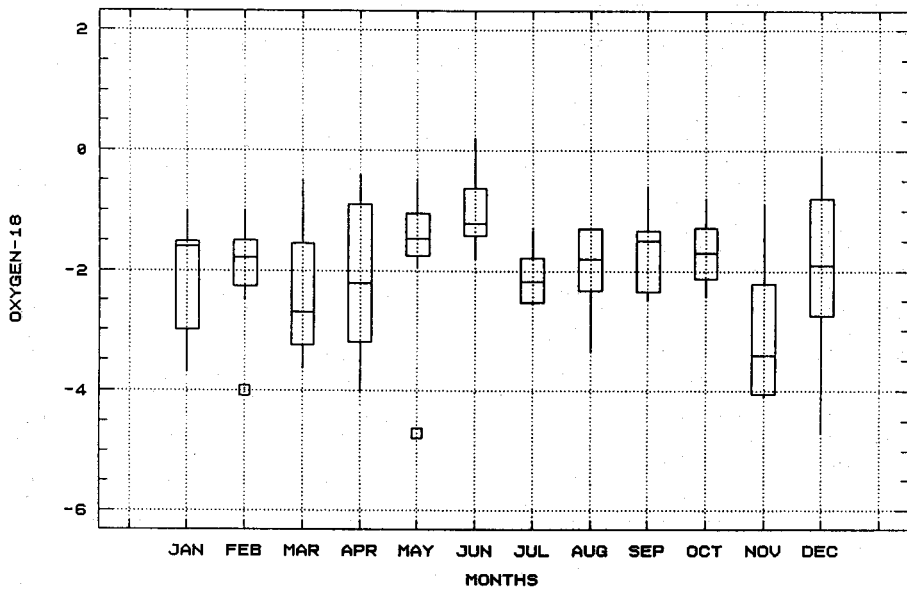
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
66	/ 11	6.31	8.3		
66	/ 12	-0.34	-17.2		

9128500 HAWAII (HILO), USA

Lat. 19.72N Long. 155.07W Alt. 9 m a.s.l.





9133400 TRUK, EASTERN CAROLINE ISLANDS (PACIFIC OC.), USA

Lat. 7.47N Long. 151.85E Alt. 2 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1968	4027 (12)	13.5 (88.7/10)	14.3	-5.30 (81.3/9)	-5.41	-28.6 (81.3/9)	-30.0	13.8 (81.3/9)	13.3	27.2 (12)	29.7 (12)
1969	3341 (12)	25.8 (92.0/11)	24.1	-5.68 (99.0/11)	-4.84	-37.6 (99.0/11)	-32.5	7.9 (99.0/11)	6.3	27.4 (12)	29.6 (12)
1970	3668 (12)	11.5 (100.0/12)	11.4	-5.16 (77.7/10)	-4.78					27.7 (12)	29.8 (12)
1971	3408 (12)	15.2 (100.0/12)	14.4							27.5 (12)	29.6 (12)
1972	3784 (12)	8.5 (73.8/9)	8.2	-5.25 (100.0/12)	-4.90	-7.2 (6.2/1)	-7.2	9.2 (6.2/1)	9.2	27.4 (12)	30.2 (12)
1973	3075 (12)	6.0 (100.0/12)	6.5	-4.17 (100.0/12)	-3.45	-23.1 (100.0/12)	-18.1	10.3 (100.0/12)	9.6	27.7 (12)	29.9 (12)
1974	4130 (12)	6.2 (100.0/12)	6.1	-5.12 (100.0/12)	-5.02	-31.7 (100.0/12)	-31.2	9.4 (100.0/12)	9.1	27.5 (12)	30.3 (12)
1975	3298 (12)	6.3 (100.0/12)	6.7	-5.07 (90.7/11)	-4.49	-30.7 (90.7/11)	-26.3	10.0 (90.7/11)	9.7	27.4 (12)	29.5 (12)
1976	4145 (12)	4.2 (100.0/12)	4.2	-6.69 (100.0/12)	-6.63	-42.8 (100.0/12)	-42.4	10.7 (100.0/12)	10.7	27.3 (12)	29.9 (12)
1977	2948 (12)	4.3 (18.7/3)	4.2	-3.90 (28.7/4)	-3.04	-23.1 (28.7/4)	-16.0	8.1 (28.7/4)	8.4	27.7 (12)	30.1 (12)
Long Term Means 3582				-5.35	-4.94	-32.9	-30.1	10.3	9.8	27.5	29.9
σ				0.70	0.88	6.9	7.9	2.0	2.3	0.1	0.2

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	191	10	-3.62	1.74	6	-16.9	18.6	4	9.8	2.1	4	27.4	0.2	10	28.7	0.6	10
Feb	185	10	-2.71	2.61	8	-8.7	15.2	6	5.9	6.3	6	27.3	0.3	10	28.3	0.9	10
Mar	249	10	-3.48	2.26	9	-22.2	16.6	7	7.9	5.0	7	27.5	0.3	10	29.1	0.8	10
Apr	305	10	-4.46	1.39	9	-27.4	13.1	7	7.9	2.6	7	27.5	0.3	10	29.9	0.5	10
May	407	10	-5.35	1.09	8	-35.1	8.6	7	6.7	2.9	7	27.6	0.2	10	30.5	0.3	10
Jun	336	10	-5.59	1.33	8	-35.6	9.0	6	10.5	5.1	6	27.5	0.3	10	30.3	0.5	10
Jul	314	10	-6.20	1.22	8	-40.5	8.3	6	9.6	2.0	6	27.3	0.3	10	30.1	0.5	10
Aug	314	10	-6.09	1.56	8	-38.6	12.7	6	11.3	3.4	6	27.4	0.2	10	30.2	0.6	10
Sep	331	10	-6.51	0.93	7	-38.8	7.2	5	12.9	2.6	5	27.3	0.3	10	30.1	0.7	10
Oct	373	10	-5.33	1.22	7	-32.3	6.6	5	12.2	2.6	5	27.4	0.2	10	30.3	0.6	10
Nov	296	10	-5.01	1.15	8	-31.2	9.6	6	10.5	1.7	6	27.6	0.3	10	30.6	0.3	10
Dec	282	10	-3.89	1.14	7	-19.9	8.0	7	11.2	2.9	7	27.5	0.2	10	29.9	0.6	10

CORRELATIONS

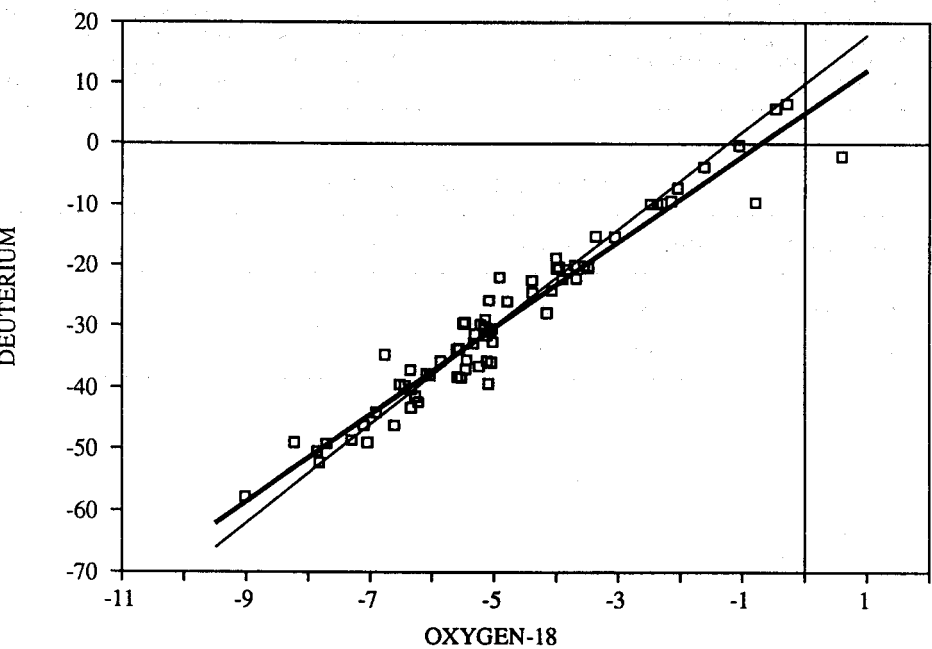
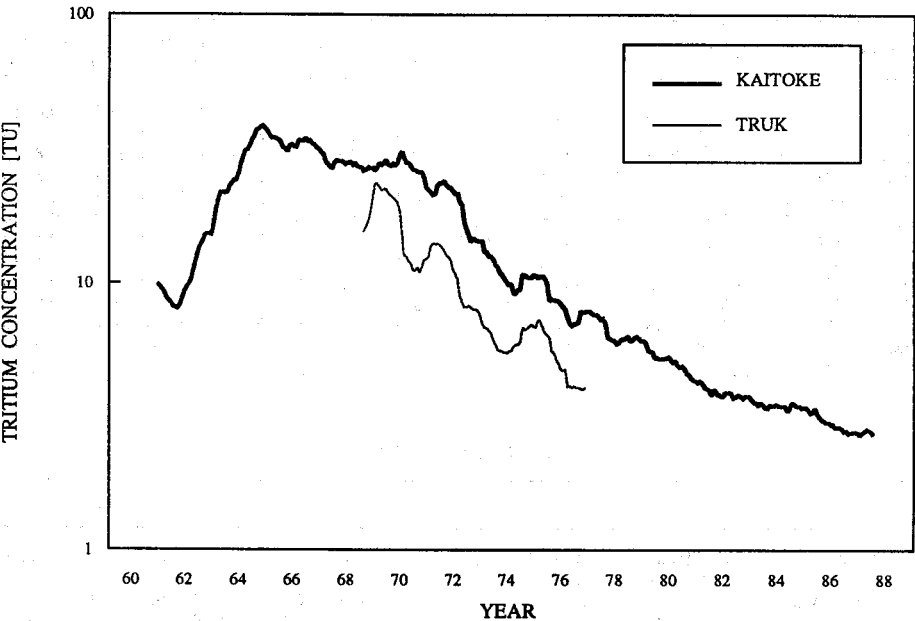
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	103	0.67	0.07	0.16	0.08	0.470	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	8	0.95	0.15	-0.17	0.19	0.862	0.11
3) Monthly Deut vs. Monthly Precipitation	72	-0.06	0.01	-11.70	3.55	0.286	12.09
4) Monthly Oxyg-18 vs. Monthly Prec	93	-0.01	0.00	-2.27	0.41	0.340	1.53
5) Monthly Deut vs. Monthly Temperature	72	15.07	5.82	-442.18	59.71	0.087	13.67
6) Monthly Oxyg-18 vs. Monthly Temp	93	2.11	0.65	-62.81	17.87	0.104	1.78
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	72	7.07	0.21	5.06	1.10	0.940	3.50
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	72	7.29	0.21	6.13	1.16	0.940	3.50

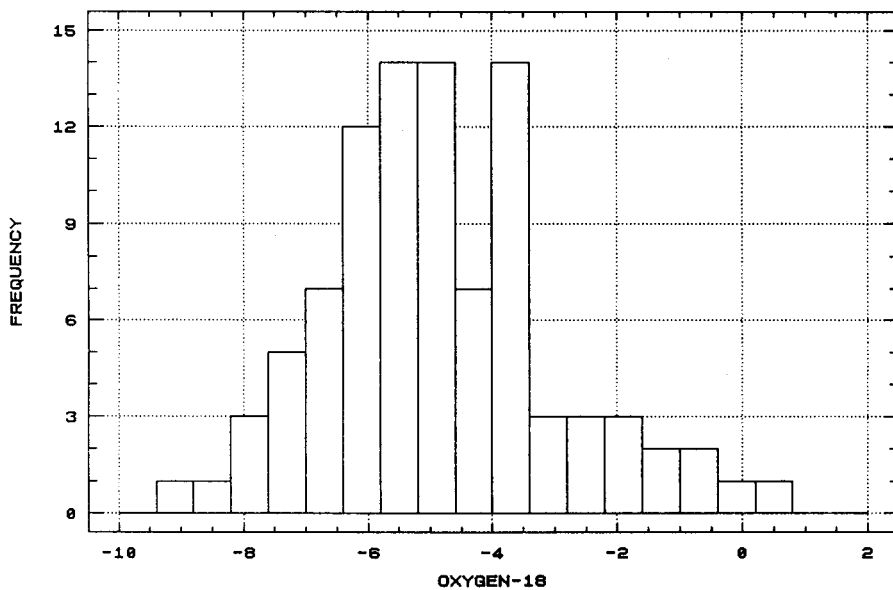
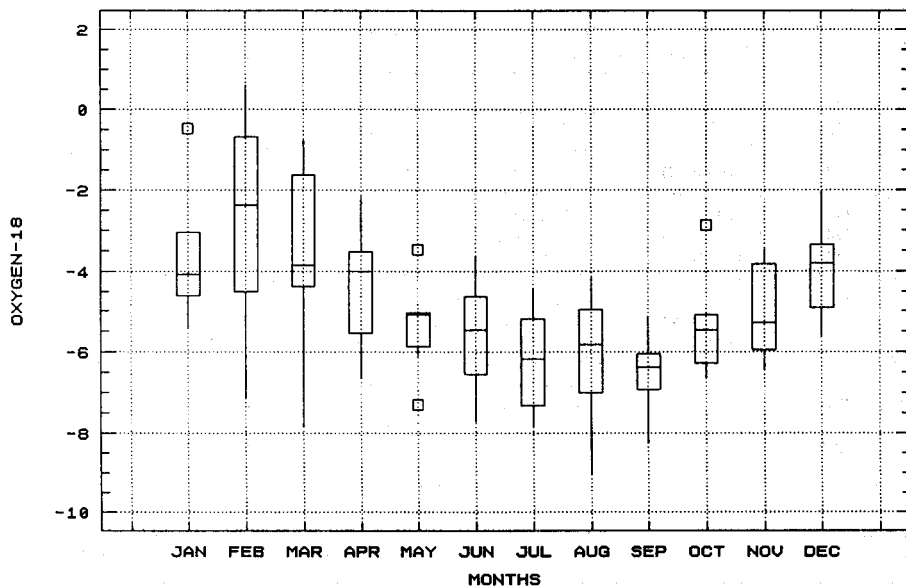
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
68	/ 10	-6.44	-25.8		
69	/ 1	-4.14	-4.1		
75	/ 9	-5.07	-15.1		

9133400 TRUK, EASTERN CAROLINE ISLANDS (PACIFIC OC.), USA

Lat. 7.47N Long. 151.85E Alt. 2 m a.s.l.





9141300 YAP, WESTERN CAROLINE ISLANDS (PACIFIC OC.), USA

Lat. 9.49N Long. 138.09E Alt. 0 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1968	2362 (12)	11.4 (57.8/6)	11.5	-6.13 (57.8/6)	-5.99	-37.8 (57.8/6)	-37.8	11.3 (57.8/6)	10.2	27.1 (12)	29.4 (12)
1969	3046 (12)	12.7 (100.0/12)	13.3	-6.43 (100.0/12)	-4.68	-42.3 (100.0/12)	-29.4	9.2 (100.0/12)	8.1	27.1 (12)	29.6 (12)
1970	2853 (12)	10.9 (100.0/12)	10.7	-6.12 (100.0/12)	-5.41					27.5 (12)	30.0 (12)
1971	3740 (12)	11.0 (100.0/12)	10.8	-6.45 (100.0/12)	-6.25					27.1 (12)	30.1 (12)
1972	2292 (12)	8.6 (66.0/9)	8.8	-4.60 (100.0/12)	-4.67	-16.7 (22.3/3)	-16.6	10.6 (22.3/3)	10.7	27.3 (12)	29.8 (12)
1973	2393 (12)	6.1 (100.0/12)	6.9	-5.48 (100.0/12)	-4.16	-32.9 (100.0/12)	-23.7	11.0 (100.0/12)	9.6	27.3 (12)	29.5 (12)
1974	3752 (12)	6.3 (40.7/6)	6.2	-5.29 (81.9/10)	-4.78	-33.1 (81.9/10)	-29.7	9.3 (81.9/10)	8.6	27.1 (12)	29.9 (12)
1975	2943 (12)			-4.99 (93.1/11)	-5.07	-33.8 (85.2/10)	-35.7	6.4 (85.2/10)	5.3	26.9 (12)	29.1 (12)
1976	1928 (12)			-5.12 (100.0/12)	-4.82	-28.7 (100.0/12)	-27.1	12.3 (100.0/12)	11.5	26.7 (12)	24.4 (12)
Long Term											
Means 2812				-5.65	-4.98	-34.7	-29.1	9.5	8.6	27.1	29.1
σ				0.70	0.62	5.0	4.4	2.2	2.2	0.2	1.7

MONTHLY MEANS

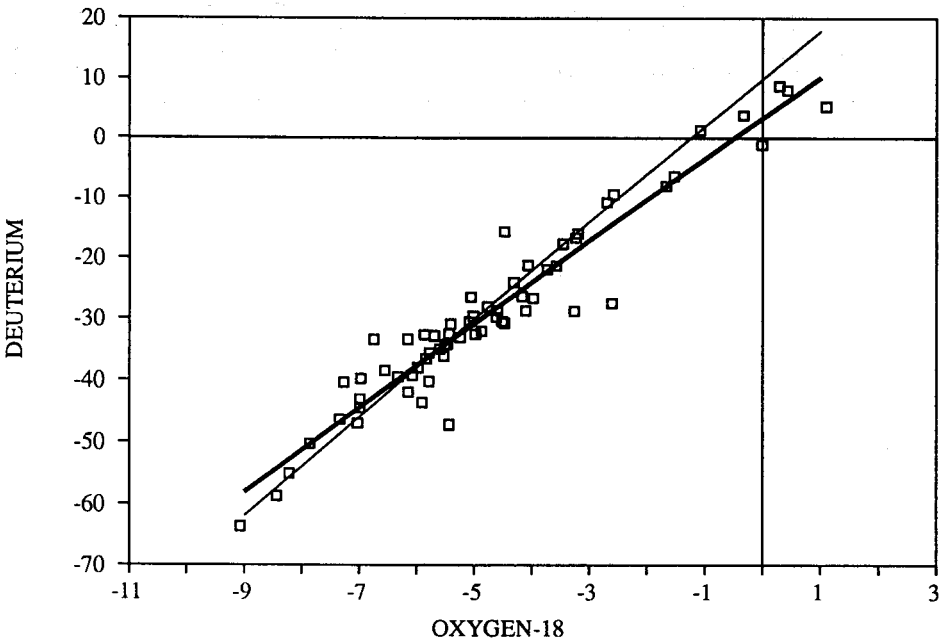
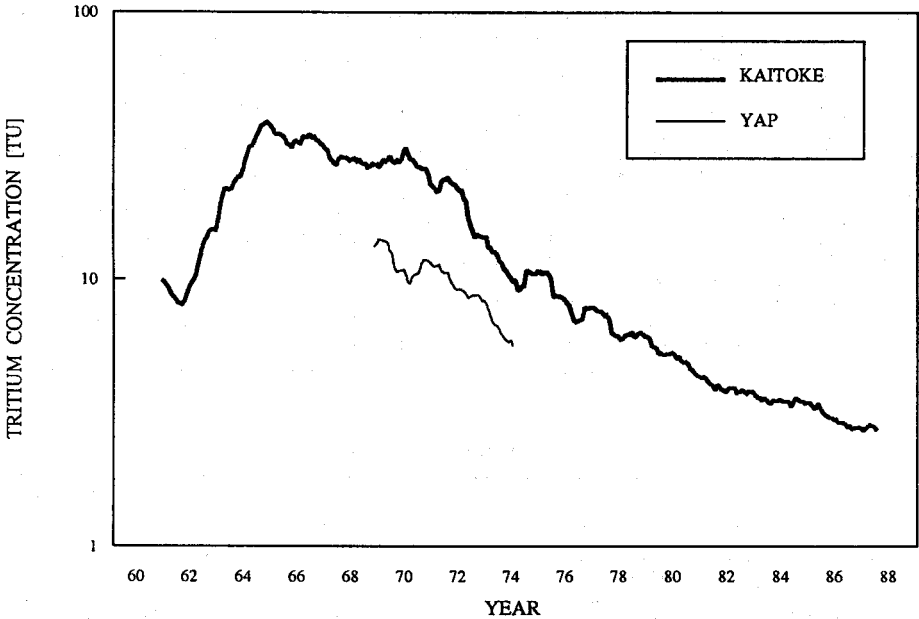
Month	Mean Prec.			Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>		Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	217	9		-3.39	1.99	8	-13.8	18.8	5	8.6	2.4	5	26.6	0.3	9	28.4	0.8	9
Feb	129	9		-3.05	2.89	8	-13.0	27.4	5	5.4	10.0	5	27.0	0.3	9	28.1	0.9	9
Mar	173	9		-3.65	2.36	8	-17.1	17.3	5	5.8	6.7	5	27.2	0.3	9	28.9	1.6	9
Apr	176	9		-5.60	1.76	8	-36.6	20.0	5	11.3	5.3	5	27.4	0.4	9	29.2	1.1	9
May	217	9		-5.04	1.16	8	-30.7	11.1	4	10.1	4.4	4	27.4	0.3	9	30.1	0.7	9
Jun	277	9		-6.41	1.35	9	-36.4	5.1	6	10.9	3.8	6	27.2	0.4	9	30.4	0.6	9
Jul	306	9		-6.57	1.59	7	-41.0	13.5	4	11.6	4.4	4	27.1	0.6	9	30.1	0.5	9
Aug	266	9		-6.21	1.18	7	-33.6	3.6	4	8.9	1.8	4	26.9	0.3	9	30.1	0.2	9
Sep	278	9		-5.86	1.30	9	-34.6	10.3	6	11.4	2.4	6	26.9	0.3	9	30.1	0.3	9
Oct	294	9		-5.92	2.74	9	-30.3	18.0	7	10.3	2.5	7	27.1	0.4	9	27.8	6.8	9
Nov	252	9		-5.12	1.23	9	-34.1	10.6	7	8.4	2.9	7	27.2	0.2	9	27.9	7.4	9
Dec	228	9		-3.75	1.02	9	-27.1	3.7	7	5.2	7.4	7	27.0	0.2	9	27.4	7.0	9

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	69	0.28	0.08	0.61	0.10	0.171	0.15
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	4	0.73	0.10	-0.00	0.14	0.962	0.03
3) Monthly Deut vs. Monthly Precipitation	65	-0.05	0.01	-16.60	3.03	0.276	13.31
4) Monthly Oxyg-18 vs. Monthly Prec	99	-0.01	0.00	-3.12	0.36	0.280	1.79
5) Monthly Deut vs. Monthly Temperature	65	-0.83	5.02	-6.58	35.41	0.000	15.64
6) Monthly Oxyg-18 vs. Monthly Temp	99	-0.20	0.53	0.32	14.38	0.001	2.11
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	65	6.83	0.25	3.37	1.30	0.923	4.34
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	65	7.11	0.24	4.70	1.39	0.923	4.34

9141300 YAP, WESTERN CAROLINE ISLANDS (PACIFIC OC.), USA

Lat. 9.49N Long. 138.09E Alt. 0 m a.s.l.



9161000 TARAWA ISLAND (PACIFIC OC.), KIRIBATI

Lat. 1.35N Long. 172.92E Alt. 4 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.		
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.	
1966	847 (6)	8.9	8.7 (42.2/6)									
1967	1328 (12)	6.5	6.1 (100.0/12)									
1968	256 (2)	5.3	5.4 (12.7/2)									
1969	2504 (12)	5.6	5.4 (79.0/7)									
1970	1641 (12)	4.5	4.6 (55.8/6)									
1971	777 (12)	4.3	4.2 (100.0/12)									
1972	4835 (12)	4.5	4.4 (100.0/12)									
1973	2892 (12)	5.0	4.8 (71.7/4)									
1975	62 (1)	5.7	5.7 (3.0/1)									
1977	3320 (12)											
1978	2095 (12)	3.4	3.2 (74.7/7)							28.3 (12)	30.9 (12)	
1979	2450 (12)	3.4	3.4 (100.0/12)							28.1 (12)	31.4 (12)	
1980	2436 (12)	3.0	3.0 (100.0/12)							28.2 (12)	31.9 (12)	
1981	2161 (12)	3.5	3.4 (99.0/11)									
1982	2627 (12)	2.8	2.9 (100.0/12)									
1983	1898 (12)	2.6	2.5 (100.0/12)									
1984	919 (12)	2.2	2.1 (100.0/12)									
1985	789 (12)	2.1	2.1 (100.0/12)									
1986	2423 (12)	1.8	1.9 (89.8/11)									
1987	3841 (12)	1.9	1.9 (90.1/10)									
Long Term Means 2005											28.2	31.4
σ											0.1	0.5

MONTHLY MEANS

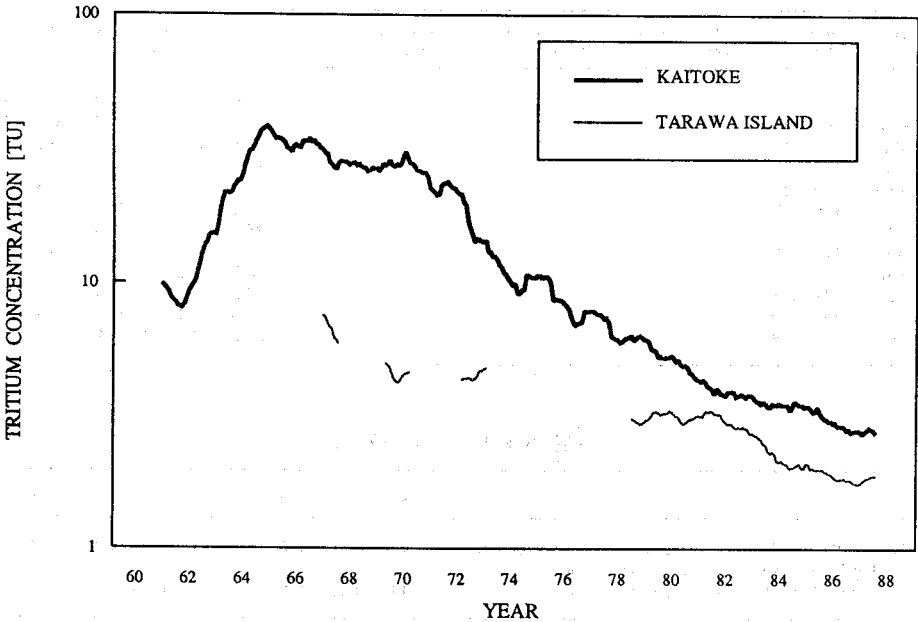
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	275	17										28.0		3	32.2	1.2	3
Feb	193	17										28.1	0.4	3	31.2	0.4	3
Mar	236	17										27.5	0.4	3	31.9	0.2	3
Apr	180	17										28.0		3	31.8	0.4	3
May	210	17										28.1	0.2	4	31.7	0.8	4
Jun	186	17										28.2	0.1	4	31.5	0.8	4
Jul	183	18										28.2		4	30.8	0.9	4
Aug	144	18										28.2	0.3	4	30.5	0.8	4
Sep	118	19										28.3	0.2	4	30.7	0.4	4
Oct	131	18										28.5	0.2	4	31.1	1.5	4
Nov	199	19										28.4	0.2	4	31.7	1.1	4
Dec	214	19										28.2	0.2	4	32.0	0.4	4

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	173	0.39	0.02	0.17	0.02	0.693	0.11
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	13	0.40	0.05	0.17	0.05	0.844	0.07

9161000 TARAWA ISLAND (PACIFIC OC.), KIRIBATI

Lat. 1.35N Long. 172.92E Alt. 4 m a.s.l.



9164300 FUNAFUTI ATOLL (PACIFIC OC.), TUVALU

Lat. 8.52S Long. 179.22E Alt. 4 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1966	2302		7.3		7.3						
	(6)		(74.9/6)								
1967	4220		6.0		6.0						
	(12)		(100.0/12)								
1971	1459		4.3		4.2						
	(8)		(45.5/7)								
1972	2536		4.4		4.1					28.0	30.8
	(12)		(33.8/3)							(12)	(12)
1977	152		3.3		3.3						
	(1)		(4.9/1)								
1978	3369		3.0		3.0						
	(12)		(87.3/11)								
1979	3035		3.1		3.0						
	(11)		(98.8/12)								
1980	3810		2.9		2.8						
	(11)		(100.0/12)								
1981	3855		2.6		2.5						
	(12)		(100.0/12)								
1982	3423		2.3		2.4						
	(12)		(100.0/12)								
1983	4093		2.4		2.4						
	(12)		(100.0/12)								
1984	3991		2.0		2.0						
	(12)		(100.0/12)								
1985	2891		1.7		1.7						
	(12)		(100.0/12)								
1986	3525		1.6		1.6						
	(12)		(100.0/12)								
1987	4208		1.7		1.6						
	(12)		(100.0/12)								
Long Term											
Means 3071											28.0 30.8
σ											

MONTHLY MEANS

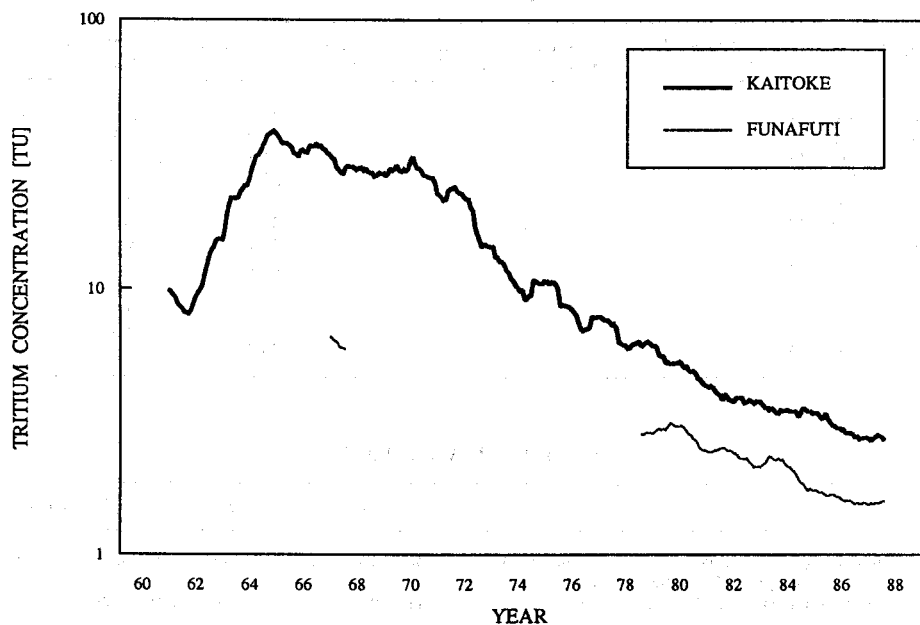
Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	410	11										27.5	1	29.5	1		
Feb	332	13										28.0	1	29.8	1		
Mar	334	13										27.8	1	31.8	1		
Apr	245	13										27.6	1	30.3	1		
May	265	13										28.1	1	31.1	1		
Jun	193	13										28.4	1	30.5	1		
Jul	290	13										27.9	1	30.4	1		
Aug	274	13										27.8	1	30.3	1		
Sep	252	13										27.8	1	31.2	1		
Oct	272	14										28.0	1	31.2	1		
Nov	275	14										28.2	1	31.2	1		
Dec	392	14										28.3	1	31.9	1		

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	148	0.47	0.02	0.06	0.02	0.779	0.09
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	11	0.55	0.06	0.03	0.05	0.892	0.06

9164300 FUNAFUTI ATOLL (PACIFIC OC.), TUVALU

Lat. 8.52S Long. 179.22E Alt. 4 m a.s.l.



9176200 APIA, WESTERN SAMOA

Lat. 13.80S Long. 171.78W Alt. 2 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	3171 (12)			-4.93 (39.5/3)	-4.90	-22.0 (39.5/3)	-21.4	17.5 (39.5/3)	17.8	26.4 (12)	28.7 (12)
1963	2176 (12)	44.6 (94.4/11)	37.8	-3.55 (100.0/12)	-2.97	-14.6 (100.0/12)	-11.5	13.8 (100.0/12)	12.4	26.6 (12)	28.4 (12)
1964	3218 (12)	12.7 (100.0/12)	13.0	-4.37 (100.0/12)	-4.03	-22.2 (100.0/12)	-19.5	12.9 (100.0/12)	12.8	26.4 (12)	28.5 (12)
1965	2338 (12)	12.5 (98.9/11)	19.7	-5.50 (89.9/11)	-4.03	-28.1 (96.7/11)	-18.0	13.0 (86.6/10)	12.0	26.2 (12)	27.7 (12)
1966	2778 (12)	8.8 (100.0/12)	8.5	-4.87 (100.0/12)	-4.37	-26.6 (100.0/12)	-23.4	12.4 (100.0/12)	11.6	26.9 (12)	29.5 (12)
1967	3442 (12)	7.9 (100.0/12)	7.7	-6.08 (17.4/2)	-6.05					26.2 (12)	28.4 (12)
1968	3058 (12)	7.8 (100.0/12)	7.7							26.3 (12)	28.9 (12)
1969	2423 (12)	7.0 (100.0/12)	7.8							26.5 (12)	29.0 (12)
1970	3694 (12)	5.2 (100.0/12)	5.6							26.6 (12)	28.6 (12)
1971	2816 (12)	4.8 (100.0/12)	4.9							26.1 (12)	27.9 (12)
1972	3488 (12)	3.7 (100.0/12)	3.7	-6.43 (36.6/3)	-5.36	-37.9 (36.6/3)	-29.7	13.7 (36.6/3)	13.3	26.3 (12)	28.5 (12)
1973	4084 (12)	3.9 (100.0/12)	3.8	-5.04 (100.0/12)	-4.44	-28.9 (100.0/12)	-24.3	11.5 (100.0/12)	11.3	26.5 (12)	29.8 (12)
1974	3453 (12)	3.3 (73.9/10)	3.8	-3.75 (100.0/12)	-2.78	-19.0 (100.0/12)	-11.8	11.0 (100.0/12)	10.5	26.0 (12)	28.3 (12)
1975	3407 (12)	3.6 (100.0/12)	3.5	-3.76 (100.0/12)	-3.26	-18.7 (100.0/12)	-14.9	11.4 (100.0/12)	11.3	26.1 (12)	28.4 (12)
1976	2935 (12)	3.0 (99.8/11)	2.9	-4.65 (99.8/11)	-3.53	-22.9 (99.8/11)	-14.1	14.4 (99.8/11)	14.2	26.1 (12)	28.4 (12)
1977	1906 (12)			-5.45 (78.1/9)	-4.36	-30.7 (78.1/9)	-22.6	13.0 (78.1/9)	12.4	26.5 (12)	28.7 (12)
Long Term Means 3024				-4.48	-3.75	-23.3	-17.8	12.4	12.1	26.4	28.6
σ				0.74	0.63	5.4	4.9	1.1	1.0	0.2	0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	437	16	-5.47	1.80	10	-31.6	16.1	9	12.6	4.1	9	26.7	0.4	16	29.8	1.0	16
Feb	316	16	-6.14	2.63	10	-36.4	21.9	9	11.8	2.4	9	26.8	0.8	16	30.1	1.4	16
Mar	341	16	-4.34	1.18	9	-22.0	8.7	9	12.8	2.7	9	26.7	0.4	16	29.9	1.1	16
Apr	285	16	-4.54	1.35	9	-24.7	11.0	9	11.6	4.0	9	26.5	0.5	16	29.7	1.0	16
May	163	16	-3.48	1.46	8	-13.2	9.9	9	13.0	4.9	8	26.3	0.4	16	28.8	0.8	16
Jun	156	16	-2.78	0.96	9	-9.5	6.8	9	12.8	3.6	9	26.1	0.4	16	27.4	1.9	16
Jul	124	16	-2.02	1.17	9	-6.1	10.1	9	10.1	2.8	9	25.8	0.3	16	27.1	0.9	16
Aug	130	16	-1.46	1.15	9	-1.8	8.2	9	9.9	2.7	9	25.8	0.4	16	26.9	1.1	16
Sep	177	16	-2.20	0.67	8	-6.0	6.3	8	11.6	1.6	8	26.0	0.3	16	27.2	1.1	16
Oct	262	16	-3.10	1.08	10	-12.7	9.5	10	12.1	2.4	10	26.3	0.4	16	28.2	0.6	16
Nov	251	16	-3.63	1.27	10	-15.9	8.9	10	13.2	4.7	10	26.3	0.3	16	28.6	0.9	16
Dec	383	16	-6.20	2.09	10	-36.4	17.6	9	14.5	3.0	9	26.6	0.5	16	29.2	0.8	16

CORRELATIONS

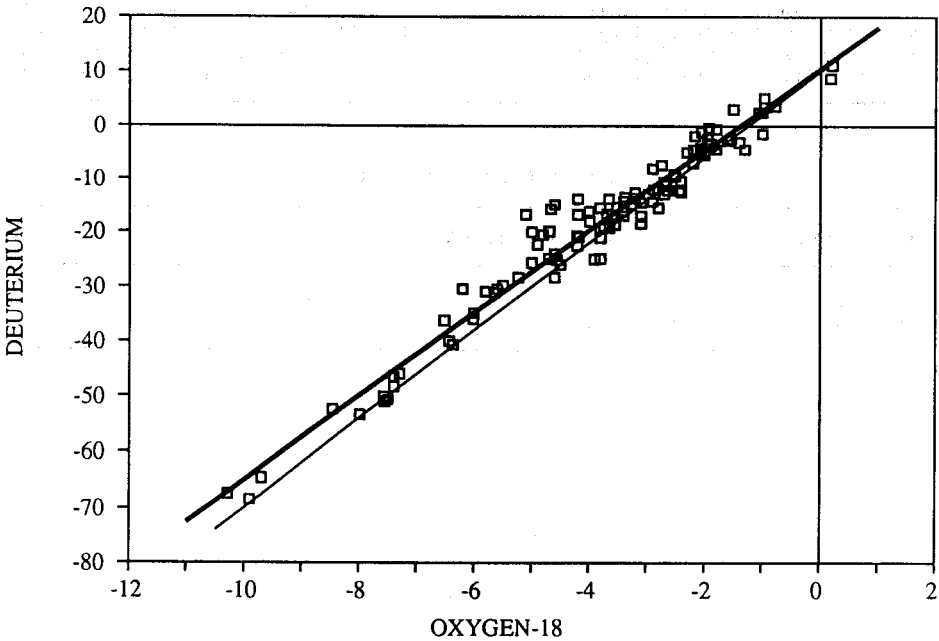
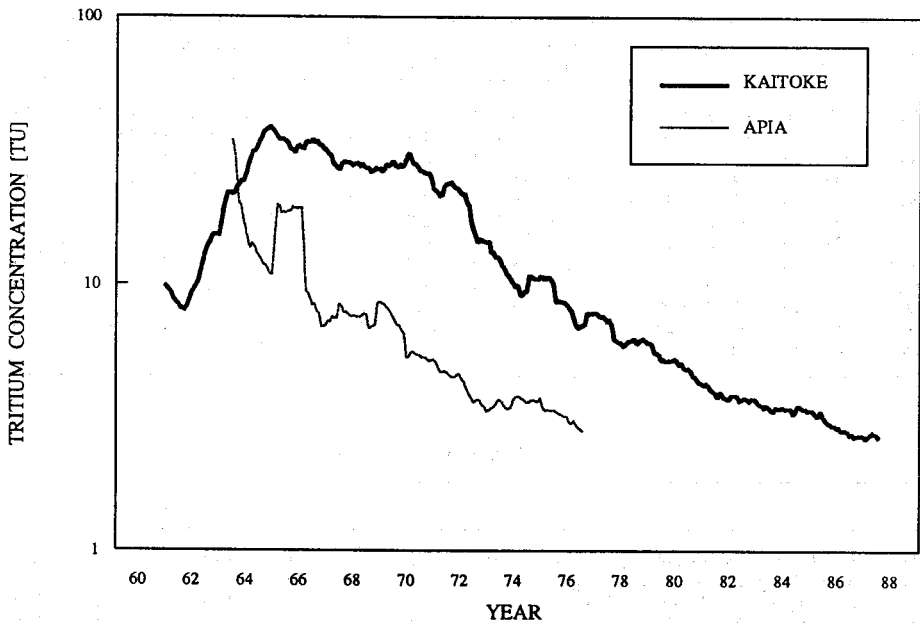
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	162	0.55	0.08	0.10	0.11	0.221	0.28
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	13	0.79	0.33	-0.20	0.45	0.336	0.27
3) Monthly Deut vs. Monthly Precipitation	109	-0.05	0.01	-5.03	2.38	0.288	13.79
4) Monthly Oxyg-18 vs. Monthly Prec	111	-0.01	0.00	-2.11	0.30	0.303	1.77
5) Monthly Deut vs. Monthly Temperature	109	-12.32	2.44	306.28	64.25	0.192	14.69
6) Monthly Oxyg-18 vs. Monthly Temp	111	-1.60	0.31	38.17	8.29	0.191	1.91
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	108	7.54	0.15	10.41	0.66	0.959	3.31
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	108	7.70	0.15	11.01	0.72	0.959	3.31

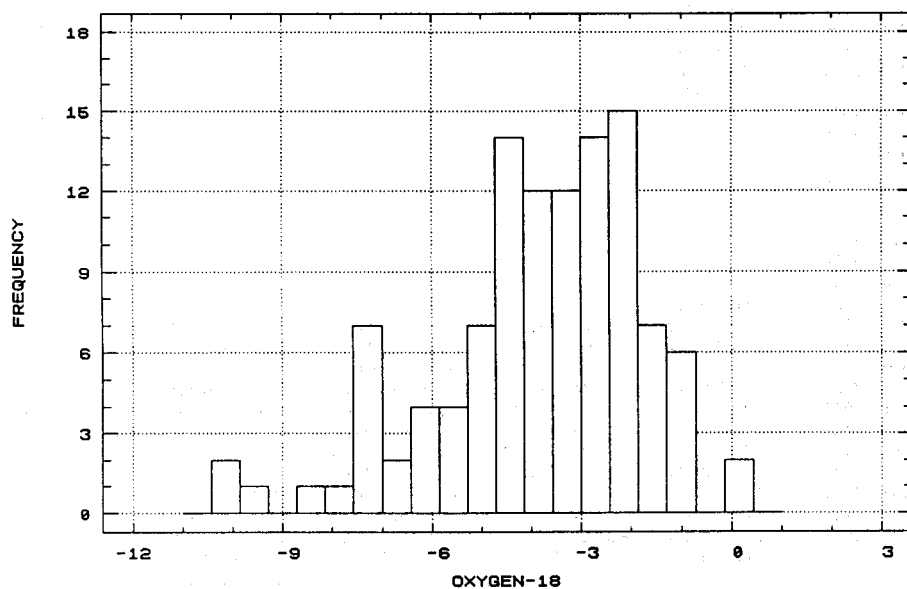
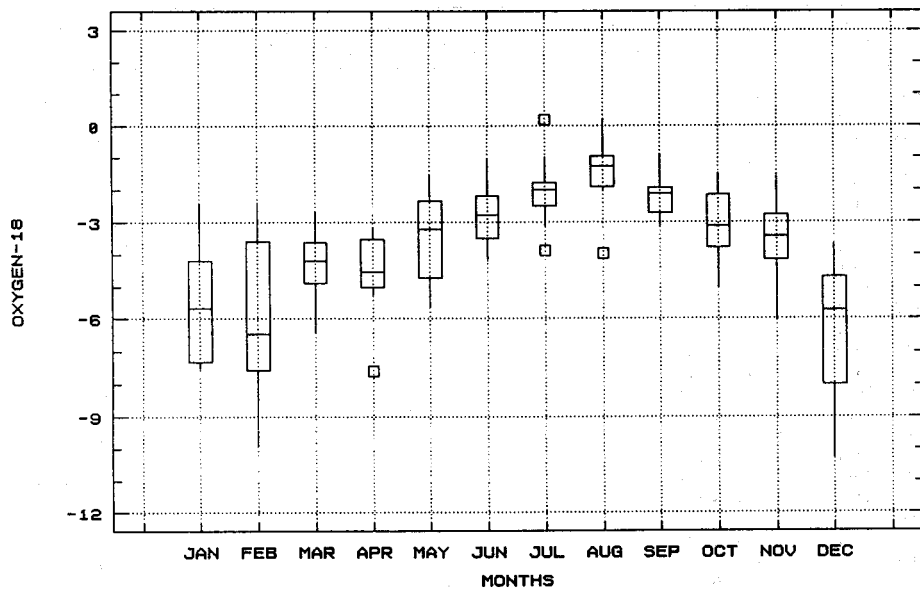
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
65 / 5	-3.10			
76 / 9	3.33	21.6		

9176200 APIA, WESTERN SAMOA

Lat. 13.80S Long. 171.78W Alt. 2 m a.s.l.





9184300 RAROTONGA, COOK ISLANDS (PACIFIC OC.), NEW ZEALAND

Lat. 21.20S Long. 159.80W Alt. 6 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1957	2071 (12)	4.4	4.4 (6.5/1)							23.7 (12)	24.0 (12)
1958	1730 (12)	2.7	2.7 (24.2/3)							23.0 (12)	23.4 (12)
1959	2604 (12)									23.9 (12)	24.7 (12)
1960	2170 (12)									23.8 (12)	24.3 (12)
1961	1670 (12)									24.0 (12)	25.1 (12)
1962	2265 (12)									23.5 (12)	23.8 (12)
1963	1753 (12)	10.9	13.4 (92.5/11)							23.3 (12)	23.5 (12)
1964	2040 (12)	12.6	12.8 (66.7/9)							24.0 (12)	24.5 (12)
1965	1472 (12)	12.6	13.8 (80.2/10)							23.2 (12)	22.7 (12)
1966	1689 (12)	7.5	7.7 (95.4/11)							23.5 (12)	23.2 (12)
1967	3021 (12)	12.2	13.2 (100.0/12)							23.7 (12)	23.6 (12)
1968	1731 (12)	9.0	8.5 (100.0/12)							24.0 (12)	24.0 (12)
1969	1891 (12)	12.1	12.8 (74.4/9)							23.9 (12)	22.6 (12)
1970	2529 (12)	12.3	11.9 (100.0/12)							23.9 (12)	25.6 (12)
1971	1860 (12)	4.6	4.6 (100.0/12)							24.3 (12)	24.1 (12)
1972	1399 (12)	5.2	5.2 (15.7/1)							24.1 (12)	23.8 (12)
1973	2063 (12)	5.2	4.9 (22.2/4)							24.8 (12)	25.5 (12)
1974	1903 (12)									24.6 (12)	24.0 (12)
1975	1663 (12)									24.1 (12)	23.8 (12)
1976	2749 (12)									24.0 (12)	24.2 (12)
1977	1758 (12)									23.7 (12)	24.3 (12)
1978	2203 (12)	3.0	3.0 (100.0/12)							24.3 (12)	25.8 (12)
1979	1642 (12)	3.2	3.2 (100.0/12)	-3.66 (69.2/9)	-3.26	-19.3 (69.2/9)	-15.4	10.0 (69.2/9)	10.8	24.2 (12)	26.6 (12)
1980	2682 (12)	3.1	3.0 (97.6/11)	-4.57 (100.0/12)	-3.71	-25.6 (100.0/12)	-18.9	11.0 (100.0/12)	10.9		
1981	1953 (12)	2.5	2.5 (100.0/12)	-3.89 (86.7/11)	-3.64	-21.2 (86.7/11)	-18.6	10.0 (86.7/11)	10.5	23.8 (12)	24.6 (12)
1982	1118 (12)	2.7	2.7 (100.0/12)	-3.00 (97.7/11)	-2.32	-10.2 (97.7/11)	-6.3	13.8 (97.7/11)	12.3		
1983	1285 (12)	2.3	2.2 (100.0/12)	-4.41 (100.0/12)	-3.16	-25.7 (100.0/12)	-16.3	9.7 (100.0/12)	9.0		
1984	2047 (12)	2.2	2.1 (100.0/12)	-5.82 (46.2/4)	-6.00	-34.2 (46.2/4)	-35.8	12.4 (46.2/4)	12.2		

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1985	2080 (12)	1.8 (100.0/12)	1.7	-4.49 (36.4/5)	-3.87	-26.4 (36.4/5)	-22.3	9.6 (36.4/5)	8.8		
1986	2245 (12)	1.7 (97.1/11)	1.7	-4.73 (84.3/11)	-4.52	-28.1 (84.3/11)	-27.1	9.8 (84.3/11)	9.2	24.4 (12)	24.7 (12)
1987	1254 (12)	1.9 (100.0/12)	1.9	-4.34 (91.9/10)	-3.48	-26.3 (91.9/10)	-19.6	8.5 (91.9/10)	8.3	23.6 (12)	22.8 (12)
Long Term Means 1953				-4.26	-3.47	-23.7	-17.8	10.5	10.0	23.9	24.2
σ				0.65	0.72	6.7	6.6	1.8	1.4	0.4	0.9

MONTHLY MEANS

Month	Mean Prec.	n	Oxygen-18		n	Deuterium		n	Deuterium Excess		n	Temperature		n	Vapour Pr.		n
			Aver.	σ		Aver.	σ		Aver.	σ		Aver.	σ		Aver.	σ	
Jan	253	31	-4.95	1.69	7	-30.7	12.5	7	8.8	3.0	7	25.7	0.9	29	27.7	2.2	29
Feb	201	31	-7.02	2.49	6	-45.5	22.7	6	10.6	3.5	6	26.1	0.7	29	28.5	1.6	29
Mar	220	31	-4.00	2.25	7	-22.9	18.2	7	9.1	3.1	7	25.8	0.7	29	28.4	1.8	29
Apr	208	31	-3.71	0.98	6	-19.5	9.0	6	10.2	3.0	6	25.2	0.6	28	27.0	1.1	28
May	180	31	-4.00	1.55	7	-22.6	15.3	7	9.4	4.2	7	23.6	0.8	27	23.9	1.6	27
Jun	106	31	-3.01	1.57	7	-12.1	13.4	7	12.0	1.6	7	22.5	0.8	27	21.2	3.2	27
Jul	83	31	-2.56	0.69	7	-8.9	6.9	7	11.6	2.3	7	21.7	1.0	28	21.0	1.6	28
Aug	131	31	-2.18	0.98	8	-5.4	8.5	8	12.0	1.5	8	21.6	0.6	29	20.4	1.5	29
Sep	114	31	-2.81	1.64	8	-11.0	13.8	8	11.5	3.9	8	22.2	0.9	29	21.5	2.3	29
Oct	99	31	-3.11	2.31	6	-16.2	19.9	6	8.6	4.1	6	22.9	0.6	27	21.5	2.2	27
Nov	149	31	-2.63	1.58	8	-12.7	12.0	8	8.3	2.2	8	24.0	0.6	27	24.1	1.7	27
Dec	209	31	-3.91	2.57	8	-22.3	18.3	8	8.9	3.2	8	24.9	0.7	27	25.3	1.9	27

CORRELATIONS

	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	221	0.70	0.02	-0.04	0.02	0.804	0.15
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	17	0.69	0.06	-0.03	0.06	0.905	0.10
3) Monthly Deut vs. Monthly Precipitation	85	-0.07	0.02	-7.90	2.84	0.206	15.38
4) Monthly Oxyg-18 vs. Monthly Prec	85	-0.01	0.00	-2.17	0.33	0.251	1.80
5) Monthly Deut vs. Monthly Temperature	65	-4.13	0.92	78.25	21.95	0.244	14.15
6) Monthly Oxyg-18 vs. Monthly Temp	65	-0.46	0.11	7.27	2.63	0.221	1.70
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	85	8.17	0.17	10.73	0.69	0.966	3.16
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	85	8.31	0.17	11.24	0.76	0.966	3.16

REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
62 / 10	-1.80	-1.9		
62 / 11	-5.10	-25.5		
62 / 12	-5.60	-26.1		
63 / 1	-5.10	-26.7		
63 / 2	-3.30	-19.2		
63 / 3	-4.90	-24.2		
63 / 4	-5.20	-30.4		
63 / 5	-0.70	8.1		
63 / 6	0.50	3.1		
63 / 7	-2.30	-5.6		
63 / 8	0.80	-3.1		
63 / 9	-0.50	0.6		
63 / 10	-3.10	-16.2		
63 / 11	-4.30	-21.1		
63 / 12	-5.50	-43.4		
64 / 1	-5.50	-34.1		
64 / 2	-1.60	-10.0		
64 / 3	-4.40	-24.2		
64 / 4	-0.70	3.1		
64 / 5	-2.30	-3.1		
64 / 6	-2.50	-9.4		
64 / 7	-1.40	-1.9		
64 / 8	-0.80	3.1		
64 / 9	-2.00	-6.9		
64 / 10	-5.20	-29.8		
64 / 11	-1.30	-1.9		
64 / 12	-2.00	-4.4		
65 / 1	-3.70	-23.0		
65 / 2	-2.50	-13.0		
65 / 3	-1.10	-0.6		
65 / 9	-3.40	-13.7		
65 / 10	-1.40	-8.7		
65 / 11	-1.10	0.6		
65 / 12	-1.10	-1.3		
66 / 1	-3.00	-22.4		
66 / 2	-2.40	-12.5		
66 / 3	-0.40	-23.0		
66 / 4	-1.50	-8.7		
66 / 5	-4.80	-34.8		
66 / 6		-5.9		
66 / 7	-2.10	-7.2		
66 / 8	-0.90	-3.2		
66 / 9		-2.6		
66 / 10		-3.2		
66 / 11		-20.4		
67 / 1		-7.8		
67 / 2		-7.1		
67 / 3		-6.5		
67 / 4	-1.60	-5.8		
67 / 5	-4.57	-28.3		
67 / 6	-1.96	-11.1		
67 / 7	-3.40	-16.4		
67 / 8	-2.25	3.2		
67 / 9	1.32	-7.4		
67 / 10	-0.30	-10.5		
67 / 11	-2.64	-19.0		
67 / 12	-3.75	-23.7		
68 / 1	-2.29	-15.0		
68 / 2	-3.94	-15.7		
68 / 3	-2.76	-17.6		
68 / 4	-3.29	-15.0		

REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
68	/ 5	-2.17	-10.6		
68	/ 6	0.96	12.8		
68	/ 7	-0.52	-0.5		
68	/ 8	-3.58	-19.5		
68	/ 9	-1.99	-10.6		
68	/ 10	-0.84	-6.2		
68	/ 11	-1.31	-5.5		
68	/ 12	0.97	0.7		
69	/ 1	3.68	2.8		
69	/ 2	-1.34	-2.0		
69	/ 3	-2.46	-10.0		
69	/ 4	0.45	-2.1		
69	/ 5	-1.64	-8.0		
69	/ 6	-2.28	-10.7		
69	/ 7	-5.71	-29.9		
69	/ 8	-0.34	-4.3		
69	/ 9	-0.52	2.0		
69	/ 10	-5.35	-31.7		
69	/ 11	-0.28	-2.3		
69	/ 12	-0.28	-1.4		
70	/ 1	-2.96			
70	/ 2	-2.78			
70	/ 3	-2.97			
70	/ 4	-1.66			
70	/ 5	-2.23			
70	/ 6	-1.73			
70	/ 7	-1.69			
70	/ 8	-2.00			
70	/ 9	-2.26			
70	/ 10	-1.69			
70	/ 11	-2.33			
70	/ 12	-1.75			
71	/ 1	-5.77			
71	/ 2	-6.00			
71	/ 3	-6.00			
71	/ 4	-5.88			
71	/ 5	-6.17			
71	/ 6	-5.81			
73	/ 2	0.36	4.1		
73	/ 3	2.76	13.1		
73	/ 4	-4.42	-32.5		
73	/ 6	-0.52	-1.3		
73	/ 7	2.79	18.6		
73	/ 8	3.79	17.7		
73	/ 9	-0.38	3.8		
73	/ 10	6.74	34.5		
73	/ 11	1.23	12.4		
73	/ 12	6.61	29.3		
74	/ 1	1.67	10.5		
74	/ 2	5.39	16.3		
74	/ 3	-6.07	-46.4		
74	/ 4	-1.29	-9.5		
74	/ 5	2.39			
74	/ 6	-0.82	-1.5		
74	/ 7	0.39	0.6		
74	/ 8	1.04	12.9		
74	/ 9	-3.07	12.9		
74	/ 10	1.52	17.5		
74	/ 11	-1.28	-19.7		
74	/ 12	0.95	3.7		
75	/ 1	-6.80	-51.4		

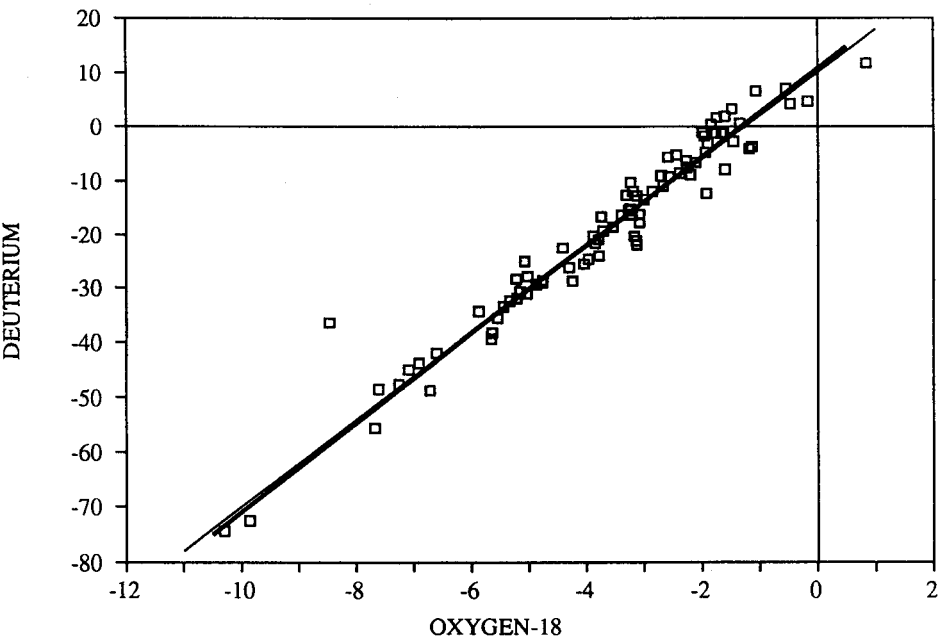
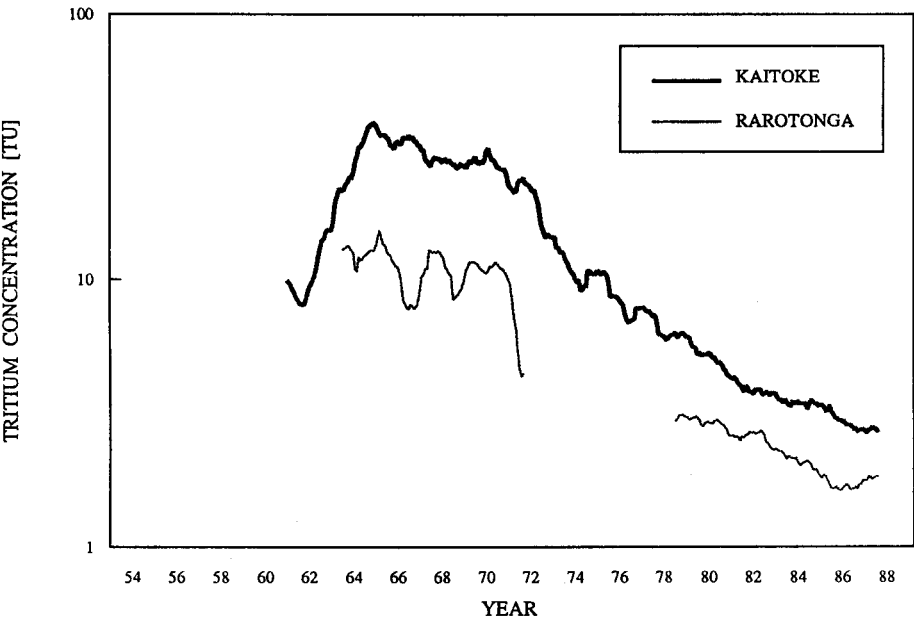
REJECTED VALUES

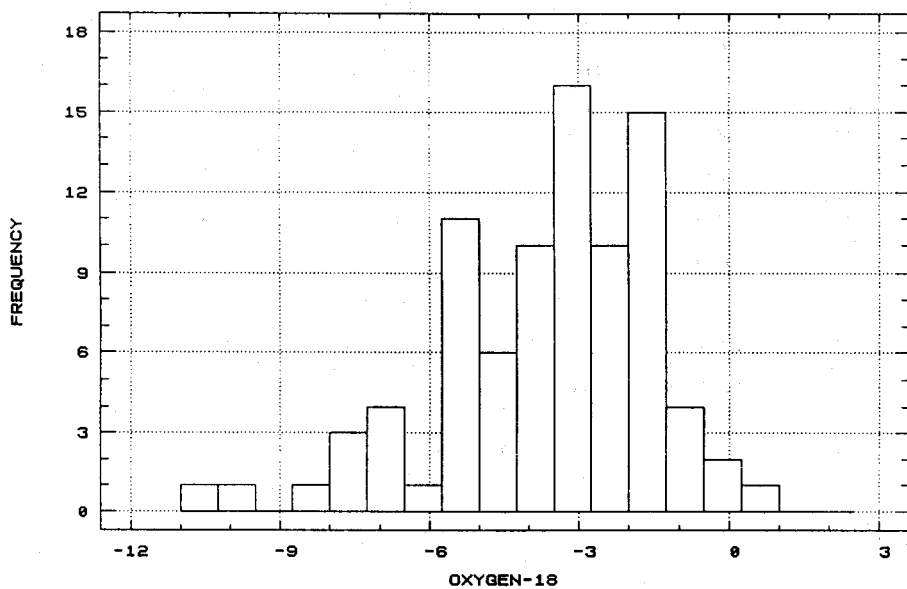
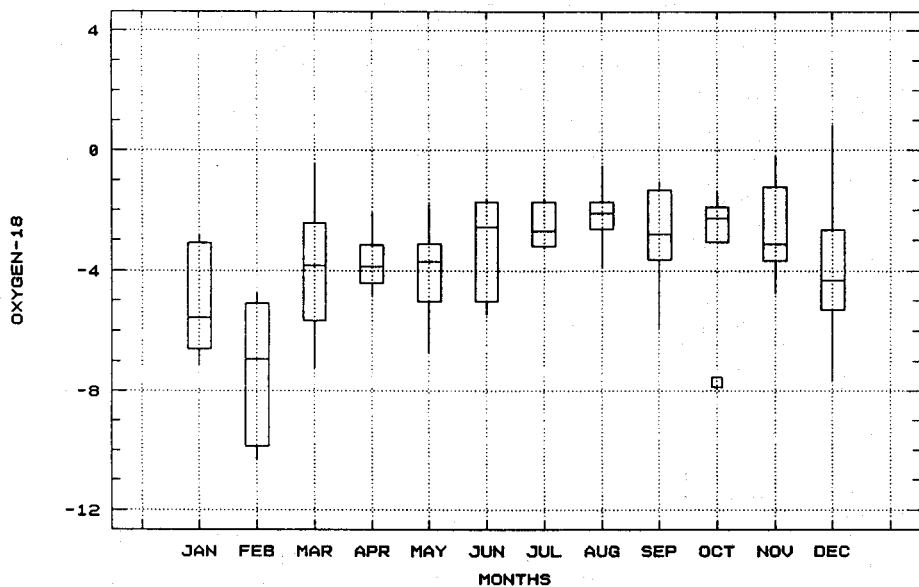
Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
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75 / 2	1.29	1.4		
75 / 4	-3.17	-15.8		
75 / 5	3.57	24.8		
75 / 6	2.49	10.4		
75 / 7	1.87	14.9		
75 / 8	0.80			
75 / 9	3.88	24.4		
75 / 10	1.36	-0.4		
75 / 11	1.12	-2.4		
75 / 12	1.79	3.4		
76 / 1	3.27	13.3		
76 / 2	4.27	16.6		
76 / 3	-0.63	-11.2		
76 / 4	-1.41	-11.2		
76 / 5	-0.73	-4.6		
76 / 6	2.36	8.7		
76 / 7	1.97	12.4		
76 / 8	0.41	-2.7		
76 / 9	-5.01	-24.3		
76 / 10	-3.98	-19.3		
76 / 11	-2.27	-22.2		
76 / 12	-2.29	-22.9		
77 / 1	0.42	6.7		
77 / 2	0.21	-4.9		
77 / 3	-1.66	-16.1		
77 / 4	-4.78	-31.3		
77 / 5	2.50	13.2		
77 / 6	5.73	34.8		
77 / 7	4.84	26.8		
77 / 8	-0.22	1.6		
77 / 9	3.63	16.2		
77 / 10	4.13	17.5		
77 / 11	3.09	21.2		
77 / 12	1.03	8.6		
78 / 1	0.03	-2.4		
78 / 2	0.18	-11.7		
78 / 3	-0.72	-5.9		
78 / 4	-0.59	8.2		
78 / 5	-4.43	-17.3		
78 / 6	0.48	10.4		
78 / 7	1.68	15.3		
78 / 8	2.58	13.2		
78 / 9	-0.34	-1.2		
78 / 10	-4.80	-21.7		
78 / 11	-1.21	-14.3		
78 / 12	-4.79	-23.5		
79 / 1	-4.26	-21.6		
79 / 2	-4.36	-20.5		
79 / 3	1.27	-2.4		
81 / 2	-8.47	-36.5		
86 / 4	-8.80	-74.6		
87 / 4	2.02	11.3		
87 / 10	-4.59	-17.2		

9184300 RAROTONGA, COOK ISLANDS (PACIFIC OC.), NEW ZEALAND

Lat. 21.20S Long. 159.80W Alt. 6 m a.s.l.





9301100 KAITAIA, NEW ZEALAND

Lat. 35.07S Long. 173.28E Alt. 76 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	1645 (12)	15.0 (16.5/2)	14.8	-3.66 (20.1/3)	-3.37	-16.1 (20.1/3)	-16.0	13.2 (20.1/3)	11.0	16.0 (12)	14.7 (12)
1963	1106 (12)	25.7 (88.2/10)	22.2	-4.67 (100.0/12)	-3.85	-23.8 (100.0/12)	-17.9	13.6 (100.0/12)	12.9	15.1 (12)	13.8 (12)
1964	1457 (12)	24.4 (100.0/12)	21.9							15.0 (12)	13.8 (12)
1965	1311 (12)	25.7 (91.1/10)	25.7							14.5 (12)	13.5 (12)
1966	1511 (12)	24.3 (100.0/12)	23.8							15.1 (12)	14.1 (12)
1967	1241 (12)	23.9 (94.1/11)	23.6	-5.38 (5.8/1)	-5.38					15.4 (12)	14.2 (12)
1968	1674 (12)	23.0 (99.5/11)	24.8							15.0 (12)	13.9 (12)
1969	1504 (12)	19.6 (99.8/11)	20.5							14.8 (12)	13.6 (12)
1970	1357 (12)	21.1 (100.0/12)	20.0							15.9 (12)	14.7 (12)
1971	1855 (12)	15.7 (100.0/12)	15.6							15.8 (12)	15.1 (12)
1972	1179 (12)	12.0 (100.0/12)	12.5	-3.52 (8.8/1)	-3.52	-13.5 (8.8/1)	-13.5	14.7 (8.8/1)	14.7	15.3 (12)	14.3 (12)
1973	1145 (12)	9.5 (93.0/11)	9.6	-4.32 (100.0/12)	-3.80	-22.2 (100.0/12)	-18.8	12.4 (100.0/12)	11.7	16.1 (12)	14.5 (12)
1974	1252 (12)	7.5 (100.0/12)	7.6	-5.21 (89.8/10)	-4.60	-31.0 (89.8/10)	-26.8	10.7 (89.8/10)	10.1	16.1 (12)	
1975	1300 (12)	7.7 (100.0/12)	7.4	-5.67 (100.0/12)	-5.10	-32.9 (100.0/12)	-28.6	12.5 (100.0/12)	12.3	15.8 (12)	14.7 (12)
1976	1518 (12)	4.9 (100.0/12)	5.0	-4.72 (100.0/12)	-4.38	-24.7 (100.0/12)	-21.7	13.1 (100.0/12)	13.4	15.1 (12)	13.9 (12)
1977	1123 (12)	5.1 (100.0/12)	5.4	-4.71 (100.0/12)	-4.16	-26.2 (84.8/10)	-22.0	14.3 (84.8/10)	13.4	14.7 (12)	13.8 (12)
1978	1388 (12)	5.4 (97.1/11)	5.5	-5.06 (100.0/12)	-4.42	-32.8 (100.0/12)	-28.1	7.8 (100.0/12)	7.3	15.5 (12)	14.1 (12)
1979	1765 (12)	4.4 (98.0/11)	4.6	-4.96 (100.0/12)	-4.60	-31.1 (100.0/12)	-28.3	8.6 (100.0/12)	8.5	15.6 (12)	14.9 (12)
1980	1568 (12)	3.8 (100.0/12)	3.7	-4.65 (73.7/10)	-4.26	-21.6 (73.7/10)	-18.7	15.6 (73.7/10)	15.4	15.0 (12)	14.3 (12)
1981	1516 (12)	4.0 (74.2/9)	4.0	-5.08 (100.0/12)	-4.68	-22.6 (11.6/2)	-19.2	7.3 (11.6/2)	8.1	15.8 (12)	15.1 (12)
1982	983 (12)	3.1 (100.0/12)	3.2	-5.94 (100.0/12)	-4.86	-33.8 (100.0/12)	-25.1	13.8 (100.0/12)	13.8		
1983	1094 (12)	2.9 (100.0/12)	3.0	-5.10 (100.0/12)	-4.73	-29.2 (100.0/12)	-26.2	11.6 (100.0/12)	11.7	15.1 (12)	14.2 (12)
1984	1215 (12)	2.7 (100.0/12)	2.7	-4.86 (100.0/12)	-4.69	-26.2 (100.0/12)	-24.7	12.7 (100.0/12)	12.8	15.4 (12)	16.0 (12)
1985	1550 (12)	2.6 (100.0/12)	2.6	-5.37 (100.0/12)	-5.43	-31.5 (100.0/12)	-32.1	11.5 (100.0/12)	11.4	15.4 (12)	14.9 (12)
1986	1488 (12)	2.2 (100.0/12)	2.2	-4.86 (100.0/12)	-4.57	-27.1 (100.0/12)	-24.0	11.9 (100.0/12)	12.6	15.1 (12)	14.1 (12)
1987	1182 (12)	2.5 (100.0/12)	2.5	-4.63 (100.0/12)	-4.19	-26.0 (100.0/12)	-21.9	11.1 (100.0/12)	11.7	15.1 (12)	14.0 (12)
Long Term Means 1382				-5.01	-4.54	-28.6	-24.7	11.7	11.7	15.4	14.3
σ				0.42	0.43	3.8	4.0	1.9	1.8	0.4	0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	93	26	-3.81	1.37	15	-20.5	11.6	14	10.0	4.7	14	19.1	1.0	26	17.4	1.8	25
Feb	102	26	-4.02	1.58	15	-23.3	13.8	14	9.6	2.9	14	19.6	1.1	26	17.4	2.1	25
Mar	88	26	-3.80	1.79	16	-19.4	13.9	15	10.8	3.3	15	18.7	1.1	26	17.1	1.4	25
Apr	122	26	-5.92	2.81	16	-35.7	24.6	15	12.0	3.6	15	16.3	1.2	25	15.2	0.9	25
May	112	26	-4.43	1.05	17	-22.5	10.7	16	12.5	3.8	16	14.3	0.8	25	13.4	1.0	25
Jun	156	26	-5.90	0.91	15	-33.7	8.4	14	13.3	3.0	14	12.9	1.2	25	12.4	0.8	25
Jul	155	26	-5.83	1.02	16	-31.7	9.6	15	14.3	3.2	15	11.5	0.6	26	11.6	0.9	26
Aug	147	26	-4.96	0.97	16	-25.4	9.0	15	14.1	2.5	15	11.8	0.7	26	11.7	0.9	26
Sep	117	26	-5.01	1.68	16	-26.6	13.2	15	14.1	3.3	15	12.6	0.6	26	12.2	0.9	26
Oct	98	26	-3.75	1.48	17	-18.1	12.7	16	11.1	2.9	16	13.9	0.7	26	13.1	1.0	26
Nov	101	26	-3.24	1.54	17	-15.0	12.7	15	10.5	3.1	15	15.5	0.7	26	14.4	1.4	26
Dec	91	26	-3.52	0.99	17	-18.3	7.5	16	9.5	3.0	16	17.4	0.9	26	15.8	1.6	26

CORRELATIONS

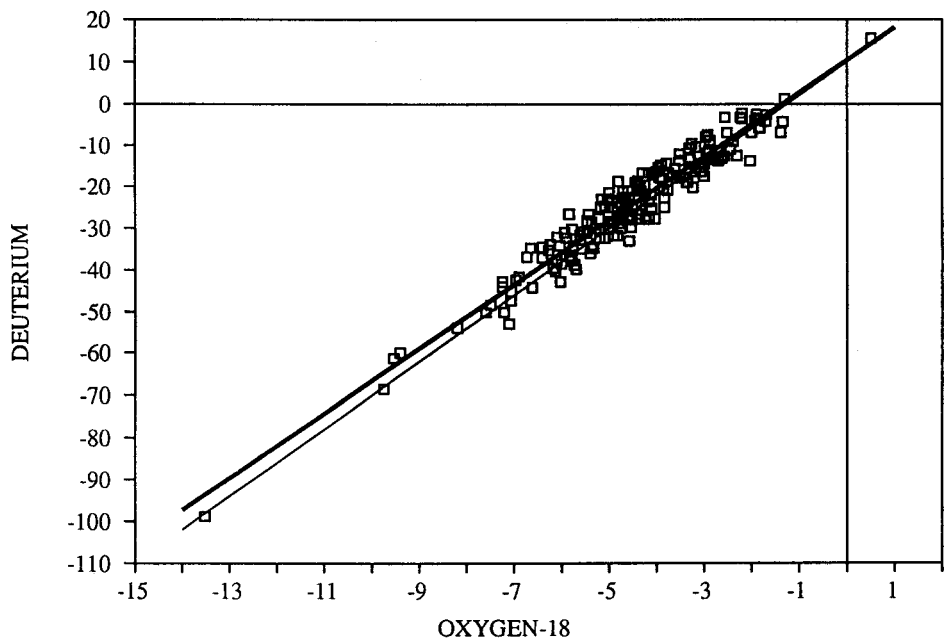
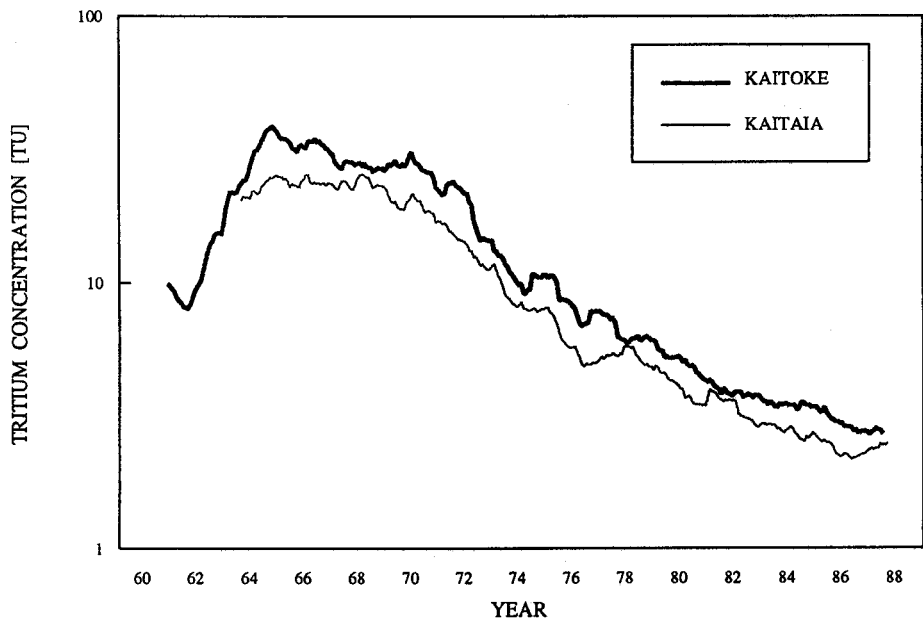
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	287	0.93	0.02	-0.03	0.02	0.899	0.13
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	24	0.96	0.03	-0.06	0.03	0.982	0.05
3) Monthly Deut vs. Monthly Precipitation	180	-0.11	0.02	-12.01	1.92	0.225	12.45
4) Monthly Oxyg-18 vs. Monthly Prec	193	-0.01	0.00	-2.97	0.23	0.230	1.54
5) Monthly Deut vs. Monthly Temperature	177	0.86	0.33	-36.84	5.20	0.037	12.76
6) Monthly Oxyg-18 vs. Monthly Temp	190	0.18	0.04	-7.25	0.60	0.107	1.54
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	180	7.70	0.15	10.48	0.74	0.935	3.62
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	180	7.97	0.15	11.66	0.78	0.935	3.62

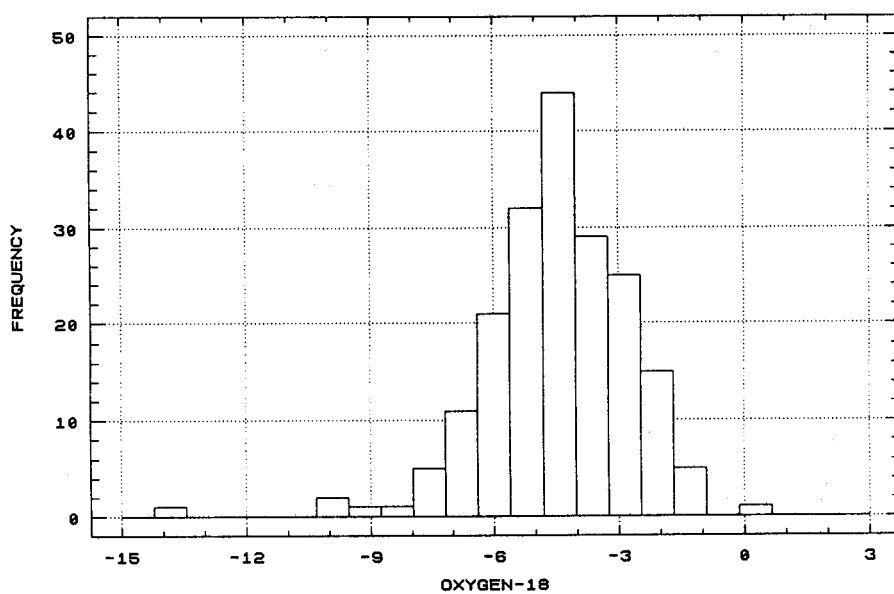
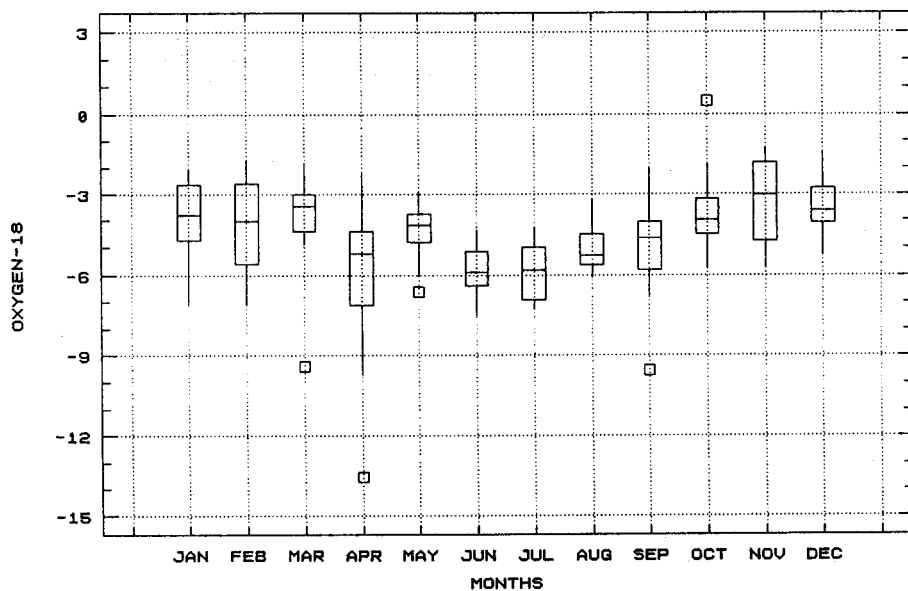
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
64 / 1	4.20	19.9		
64 / 2	-2.00	-1.9		
64 / 3	1.20	2.5		
64 / 4	-3.50	-3.8		
64 / 5	-4.70	-26.1		
64 / 6	-4.10	-17.4		
64 / 7	-4.00	-21.1		
64 / 8	-3.20	-19.9		
64 / 9	-3.50	-21.1		
64 / 10	-2.80	-18.6		
64 / 11	-0.10	-1.3		
64 / 12	-1.60	-6.9		
65 / 1	-1.60	-8.7		
65 / 2	-2.20	-16.2		
65 / 3	-5.20	-29.8		
65 / 4	-2.70	-10.0		
65 / 6	-2.10	-5.4		
65 / 7	-3.80	-18.0		
65 / 8	-4.00	-24.0		
65 / 9	-3.30	-12.7		
65 / 10	-0.80	-10.7		
65 / 11	-0.90	8.7		
65 / 12	-5.50	-34.0		
66 / 1	-2.30	-8.5		
66 / 2	-3.40	-25.7		
66 / 3		-29.0		
66 / 4		-60.0		
66 / 5		-19.1		
66 / 6		-13.1		
66 / 7		-43.5		
66 / 9		-33.6		
66 / 10		-7.2		
66 / 11		-7.2		
66 / 12		-12.5		
74 / 1	-4.28	-30.9		
80 / 2	-0.14	-6.1		
80 / 12	-6.71	-30.7		

9301100 KAITAIA, NEW ZEALAND

Lat. 35.07S Long. 173.28E Alt. 76 m a.s.l.





9341701 KAITOKE, NEW ZEALAND

Lat. 41.10S Long. 175.17E Alt. 0 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1960	1991	11.9	12.5								
	(12)		(52.7/6)								
1961	2296	8.6	8.4								
	(12)		(100.0/12)								
1962	2520	12.7	13.1								
	(12)		(100.0/12)								
1963	1978	22.2	21.6								
	(12)		(100.0/12)								
1964	2106	37.7	33.9								
	(12)		(100.0/12)								
1965	2557	33.8	34.1								
	(12)		(100.0/12)								
1966	2437	33.8	34.8								
	(12)		(100.0/12)								
1967	2272	28.2	26.6								
	(12)		(100.0/12)								
1968	2511	25.6	27.0								
	(12)		(100.0/12)								
1969	1409	30.4	28.7								
	(12)		(100.0/12)								
1970	2046	29.5	26.4								
	(12)		(100.0/12)								
1971	2088	24.9	23.6								
	(12)		(100.0/12)								
1972	1929	15.3	15.9								
	(12)		(100.0/12)								
1973	1645	12.1	12.4								
	(12)		(100.0/12)								
1974	2400	9.4	9.5								
	(12)		(100.0/12)								
1975	2415	10.1	10.1								
	(12)		(87.4/11)								
1976	2475	6.8	7.0								
	(12)		(90.7/11)								
1977	2784	6.9	7.4								
	(12)		(100.0/12)								
1978	2046	6.1	6.4								
	(12)		(100.0/12)								
1979	2842	5.4	5.3								
	(12)		(100.0/12)								
1980	3200	5.0	5.0								
	(12)		(100.0/12)								
1981	2238	3.9	4.1								
	(12)		(100.0/12)								
1982	2235	3.9	3.8								
	(12)		(100.0/12)								
1983	2359	3.6	3.6								
	(12)		(100.0/12)								
1984	1873	3.4	3.5								
	(12)		(100.0/12)								
1985	2400	3.3	3.3								
	(12)		(100.0/12)								
1986	2393	2.9	2.8								
	(12)		(100.0/12)								
1987	2049	2.8	2.8								
	(12)		(100.0/12)								

YEARLY MEANS

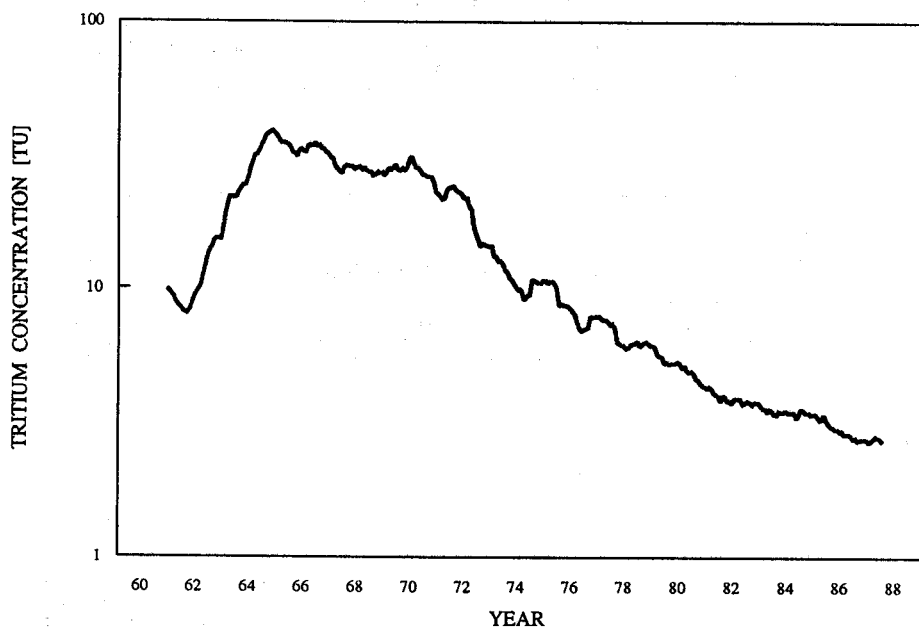
Year	Total	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp.	Vap. Pr.
	Prec.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
Long Term											
Means 2268											
σ											

MONTHLY MEANS

Month	Mean	n	Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.		Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	148	28															
Feb	103	28															
Mar	159	28															
Apr	164	28															
May	224	28															
Jun	224	28															
Jul	257	28									5.5		1	7.8			1
Aug	219	28															
Sep	198	28									8.7		1	7.5			1
Oct	191	28									10.1	0.4	2	9.5	0.5		2
Nov	185	28									11.2	0.6	2	10.2	1.0		2
Dec	195	28									13.2	0.2	2	12.3	0.7		2

9341701 KAITOKE, NEW ZEALAND

Lat. 41.10S Long. 175.17E Alt. 0 m a.s.l.



9384400 INVERCARGILL, NEW ZEALAND

Lat. 46.42S Long. 168.32E Alt. 2 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	984 (12)	19.6 (14.7/1)	19.6							10.2 (12)	10.1 (12)
1963	985 (12)	29.2 (47.5/6)	31.2	-3.80 (6.3/1)	-3.80	-14.3 (14.2/2)	-15.8	-1.2 (6.3/1)	-1.2	9.2 (12)	9.2 (12)
1964	1067 (12)	28.6 (87.1/10)	30.1							9.5 (12)	9.5 (12)
1965	1238 (12)	35.7 (93.8/11)	38.3			0.0 (8.8/1)	0.0			9.4 (12)	9.5 (12)
1966	874 (12)	36.0 (83.2/10)	41.0							9.6 (12)	9.5 (12)
1967	1020 (12)	36.0 (100.0/12)	35.5							9.7 (12)	9.6 (12)
1968	1084 (12)	28.8 (95.3/11)	28.1							9.2 (12)	9.4 (12)
1969	1088 (12)	30.3 (100.0/12)	31.4							9.9 (12)	10.2 (12)
1970	1041 (12)	28.9 (100.0/12)	29.4							10.0 (12)	10.0 (12)
1971	953 (12)	26.9 (100.0/12)	27.2							9.9 (12)	10.0 (12)
1972	1444 (12)	16.8 (100.0/12)	16.1							9.9 (12)	9.8 (12)
1973	972 (12)	13.9 (92.5/11)	15.2							9.8 (12)	9.7 (12)
1974	812 (12)	9.5 (100.0/12)	11.2							9.7 (12)	10.1 (12)
1975	1108 (12)	7.8 (100.0/12)	8.0							10.3 (12)	10.1 (12)
1976	939 (12)	6.9 (100.0/12)	7.5							9.5 (12)	9.7 (12)
1977	1106 (12)	7.6 (100.0/12)	7.8	-7.13 (78.6/9)	-7.12	-44.0 (78.6/9)	-44.3	13.1 (78.6/9)	12.8	9.5 (12)	9.5 (12)
1978	868 (12)	7.2 (95.0/11)	7.1	-7.09 (100.0/12)	-6.82	-48.9 (100.0/12)	-47.1	7.9 (100.0/12)	7.5	10.1 (12)	10.2 (12)
1979	1057 (12)	6.7 (86.9/11)	6.6	-6.80 (84.7/10)	-6.82	-48.9 (100.0/12)	-47.7	6.2 (84.7/10)	7.1	10.0 (12)	10.3 (12)
1980	1118 (12)	5.6 (100.0/12)	5.4	-7.14 (100.0/12)	-7.03	-49.0 (100.0/12)	-48.6	8.2 (100.0/12)	7.8	9.9 (12)	10.1 (12)
1981	1076 (12)	5.3 (100.0/12)	5.2	-7.07 (80.3/10)	-6.89					10.0 (12)	10.3 (12)
1982	1315 (12)	4.1 (100.0/12)	4.1	-6.99 (100.0/12)	-6.84	-43.8 (100.0/12)	-42.8	12.1 (100.0/12)	12.0	9.5 (12)	9.7 (12)
1983	1293 (12)	4.2 (87.5/11)	4.1	-7.33 (100.0/12)	-7.11	-50.1 (100.0/12)	-48.0	8.6 (100.0/12)	9.0	9.4 (12)	9.6 (12)
1984	166 (2)	3.4 (16.0/2)	3.2	-7.10 (16.0/2)	-6.86	-48.6 (16.0/2)	-46.6	8.2 (16.0/2)	8.4		
1985	1005 (12)	3.6 (100.0/12)	3.5	-6.75 (84.6/10)	-6.49	-44.3 (84.6/10)	-43.5	9.8 (84.6/10)	8.5	10.4 (12)	12.1 (12)
1986	1195 (12)	3.0 (100.0/12)	3.1	-7.54 (100.0/12)	-7.40	-50.9 (100.0/12)	-49.9	9.5 (100.0/12)	9.3	10.6 (12)	12.0 (12)
1987	1152 (12)	3.0 (100.0/12)	3.0	-7.08 (100.0/12)	-6.95	-49.0 (100.0/12)	-48.2	7.7 (100.0/12)	7.5	10.5 (12)	10.0 (12)
Long Term											
Means 1037											
σ											
				-7.11	-6.95	-47.3	-46.7	9.3	9.0	9.8	10.0
				0.23	0.24	2.8	2.5	2.2	2.0	0.3	0.6

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	110	25	-6.96	1.53	8	-42.9	18.8	9	7.4	4.4	8	13.9	1.1	25	12.0	2.3	25
Feb	67	25	-6.17	1.54	9	-43.7	12.1	8	7.2	2.4	8	13.6	0.9	25	12.3	1.2	25
Mar	90	25	-6.93	1.45	10	-48.0	10.0	9	6.5	3.7	9	12.6	0.7	24	12.0	1.4	25
Apr	103	25	-6.56	1.11	10	-42.9	8.9	9	8.4	3.4	9	10.4	0.9	25	10.8	2.2	25
May	109	25	-7.93	1.15	10	-53.6	11.2	9	10.7	3.3	9	7.9	0.7	25	9.6	2.7	25
Jun	96	25	-8.30	1.85	10	-54.0	13.2	9	9.5	4.0	9	5.6	0.8	25	8.0	1.0	25
Jul	76	25	-8.02	1.43	9	-53.6	12.4	8	10.7	2.9	8	5.2	1.0	25	7.6	0.5	25
Aug	64	25	-7.37	0.97	9	-49.3	8.8	8	10.7	3.0	8	6.2	1.1	25	7.9	0.6	25
Sep	84	25	-6.57	0.81	10	-43.3	9.0	9	9.3	3.6	9	8.2	0.8	25	8.5	0.5	25
Oct	94	25	-6.38	1.35	9	-42.4	10.2	9	9.4	3.9	8	9.9	1.2	25	9.3	1.1	25
Nov	83	26	-5.96	1.66	11	-40.5	11.7	10	8.6	3.1	10	11.2	0.9	26	10.2	1.3	26
Dec	95	26	-5.93	1.49	9	-38.1	17.4	11	7.6	2.1	9	12.6	1.2	26	11.4	1.4	26

CORRELATIONS

	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	273	0.95	0.02	0.09	0.02	0.893	0.13
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	23	0.95	0.03	0.09	0.03	0.980	0.06
3) Monthly Deut vs. Monthly Precipitation	108	-0.05	0.03	-40.67	3.00	0.032	12.86
4) Monthly Oxyg-18 vs. Monthly Prec	114	-0.01	0.00	-6.12	0.34	0.056	1.51
5) Monthly Deut vs. Monthly Temperature	108	1.07	0.40	-56.46	4.23	0.062	12.66
6) Monthly Oxyg-18 vs. Monthly Temp	114	0.18	0.04	-8.69	0.46	0.126	1.45
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	104	7.38	0.22	4.50	1.58	0.914	3.38
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	104	7.71	0.22	6.84	1.60	0.914	3.38

REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
62 / 10	-6.40	-45.2		
62 / 11	-6.80	-42.2		
62 / 12	-4.90	-31.6		
63 / 1	-6.60	-36.6		
63 / 2	-5.50	-34.1		
63 / 3	-3.80	-31.6		
63 / 4	-7.40	-37.2		
63 / 5	-8.90	-58.9		
63 / 6	-9.80	-68.2		
63 / 7	-7.70	-53.9		
63 / 8	-1.10	-9.4		
63 / 9	1.80	3.1		
63 / 10	2.00	5.6		
63 / 11	3.60	-0.6		
63 / 12	2.40			
64 / 1	-3.60	-21.1		
64 / 2	-0.20	0.6		
64 / 3	-1.00	-11.2		
64 / 4	-4.10	-24.2		
64 / 5	-4.70	-28.6		
64 / 6	-4.00	-21.1		

REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
64 / 7	-3.60	-23.0		
64 / 8	-3.30	-14.9		
64 / 9	1.20	-5.0		
64 / 10	1.70	1.8		
64 / 11	-1.60	-21.1		
64 / 12	1.80	4.4		
65 / 1	1.60			
65 / 2	0.80	-3.8		
65 / 3	2.20	8.1		
65 / 4	-4.60	-24.2		
65 / 5	-7.30	-46.5		
65 / 6	-9.80	-65.1		
65 / 8	-2.70	-21.1		
65 / 9	-0.90	-13.0		
65 / 10	-2.60	-24.9		
65 / 11	-5.40	-34.8		
65 / 12	5.50	24.2		
66 / 1	4.90	15.0		
66 / 2	-6.50	-39.5		
66 / 3	-4.00	-34.2		
66 / 4	-2.70	-17.7		
66 / 5	-4.50	-23.7		
66 / 6	-6.70	-40.2		
66 / 7	-1.80	-11.8		
66 / 8	2.70	17.9		
66 / 9	10.70	47.6		
66 / 10	-1.30	-10.5		
66 / 11	-0.90	-11.1		
67 / 1	7.30	30.5		
67 / 2	-1.20	-9.1		
67 / 3	-1.80	-1.9		
67 / 4	-4.75	-29.6		
67 / 5	-3.29	-19.0		
67 / 6	-4.50	-19.7		
67 / 7	-3.92	-25.3		
67 / 8	-3.70	-32.9		
67 / 9	-0.10	-5.1		
67 / 10	-7.12	-58.0		
67 / 11	9.00	29.8		
67 / 12	11.50	39.7		
68 / 1	0.76	-6.8		
68 / 2	-2.51	-27.7		
68 / 3	0.29	-7.4		
68 / 4	-5.13	-34.0		
68 / 5	-5.51	-33.4		
68 / 6	-7.19	-41.6		
68 / 7	-6.42	-41.0		
69 / 1	-2.16	-10.2		
69 / 2	-4.50	-25.9		
69 / 3	-1.93	-11.5		
69 / 4	-2.98	-38.9		
69 / 5	-5.70	-17.8		
69 / 6	-5.35	-31.4		
69 / 7	-2.36	-18.4		
69 / 8	-1.23	-9.2		
69 / 9	-2.60	1.3		
69 / 10	0.55	0.5		
69 / 11	-0.16	-1.7		
69 / 12	2.06	-12.8		
70 / 1	10.86			
70 / 2	-1.53	-21.6		

REJECTED VALUES

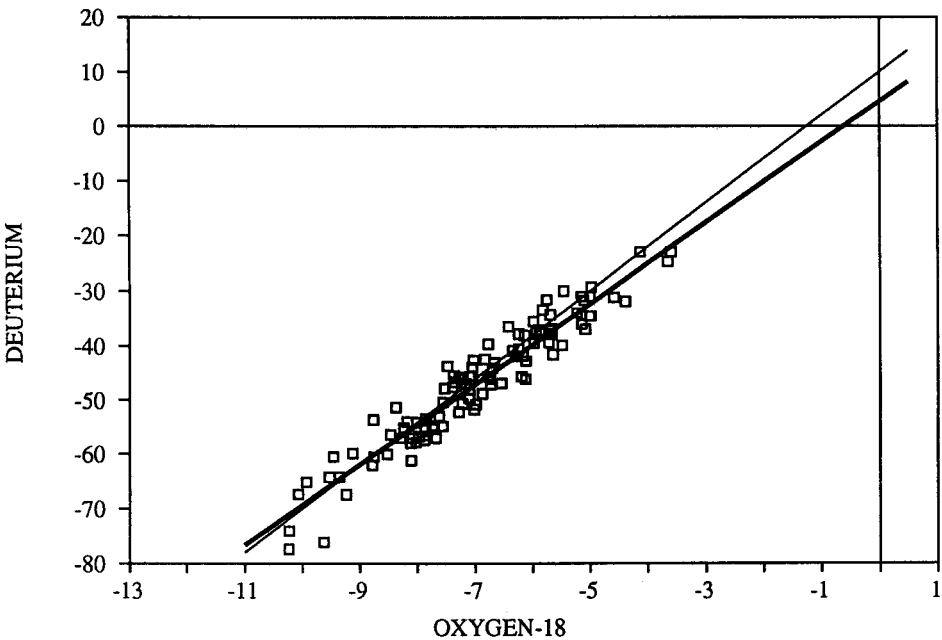
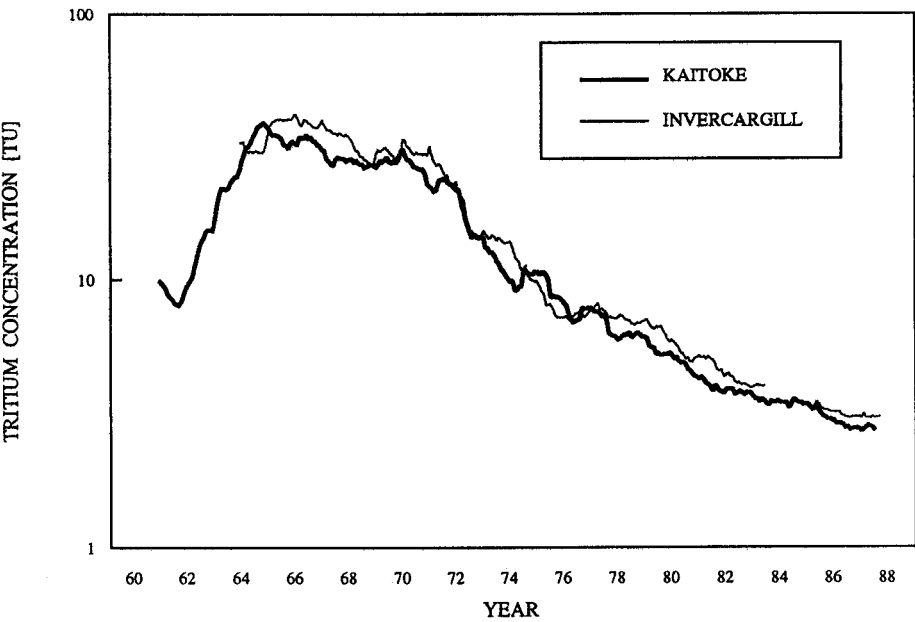
Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
70 / 3	1.07	-3.6		
70 / 4	-2.81	-27.9		
70 / 5	-3.38			
70 / 7	-4.09			
70 / 8	-5.94	-48.6		
70 / 9	-3.32	-28.3		
70 / 10	4.55			
70 / 12	6.41			
71 / 1	4.72			
71 / 2	-1.34			
71 / 3	-6.78			
71 / 4	2.96			
71 / 5	-4.67			
71 / 6	-5.63			
71 / 7	-4.83			
71 / 8	-3.96			
71 / 9	-1.69			
71 / 10	1.55			
71 / 11	4.57			
71 / 12	-0.11			
72 / 1	0.29			
72 / 2	-3.85			
72 / 3	-3.82			
72 / 4	-4.57			
72 / 5	-4.43			
72 / 6	-4.43			
72 / 7	-4.25			
72 / 8	-2.22			
72 / 9	-1.37			
72 / 10	2.21	-0.6		
72 / 11	-1.57	-5.5		
72 / 12	4.00	15.3		
73 / 1	-2.12	-17.1		
73 / 2	0.84	-4.7		
73 / 3	-4.30	-29.9		
73 / 4	-5.17	-35.9		
73 / 5	-3.47	-18.7		
73 / 6	-3.74	-21.3		
73 / 7	-3.55	-25.5		
73 / 8	-2.39	-18.8		
73 / 9	-8.19	-38.1		
73 / 10	-0.74	-18.5		
73 / 11	-0.67	-19.8		
73 / 12	-2.10	-21.7		
74 / 1	-7.36			
74 / 2	1.25			
74 / 3	-8.87			
74 / 4	-1.02			
74 / 5	-3.76			
74 / 6	-5.55			
74 / 7	-5.66			
74 / 8	1.79			
74 / 9	-8.24			
74 / 10	3.82			
74 / 11	5.75			
74 / 12	0.40			
75 / 1	3.60			
75 / 2	0.15			
75 / 3	-5.81			
75 / 4	-3.48	-24.8		
75 / 5	-5.00	-21.9		

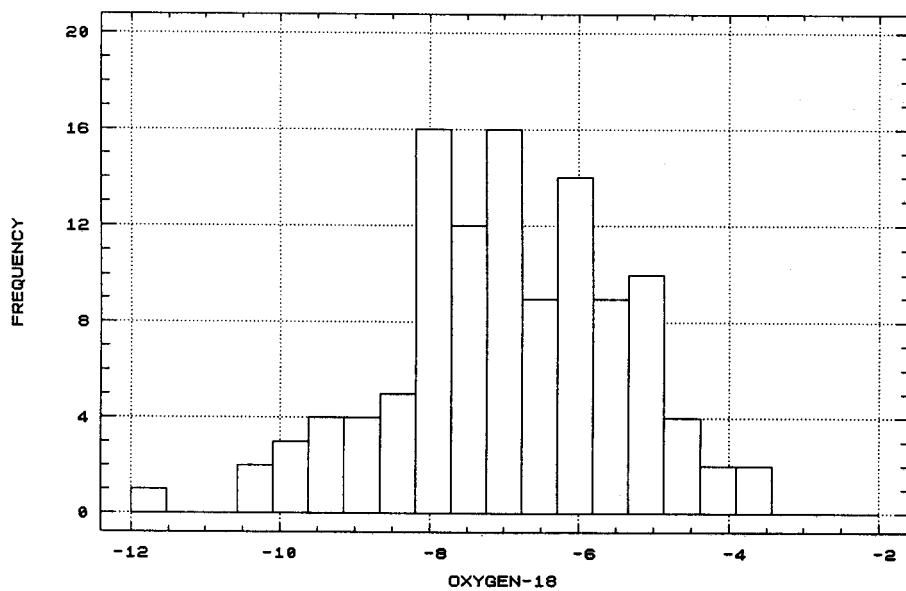
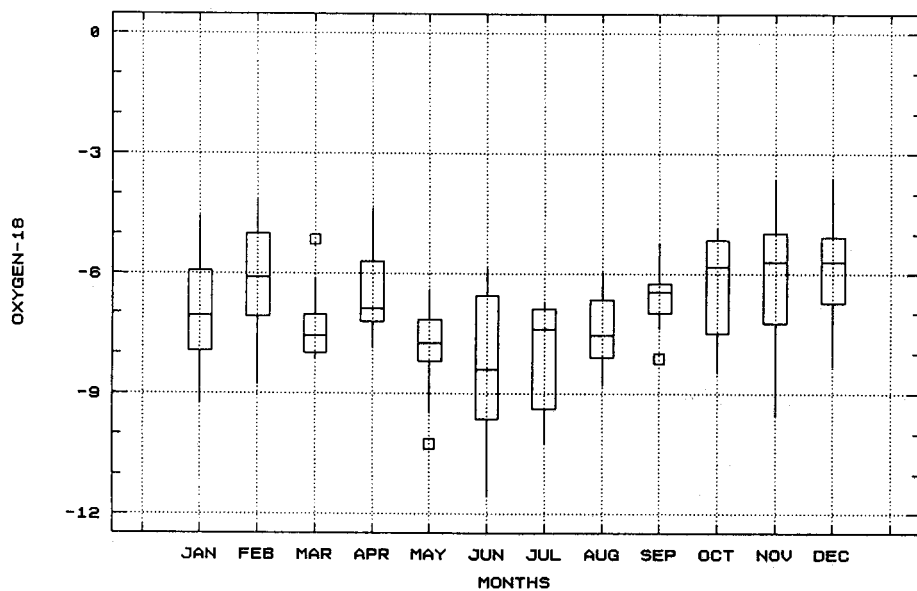
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
75 / 6	-3.91	-20.0		
75 / 7	-4.48	-28.7		
75 / 8	-2.55	-19.9		
75 / 9	3.63	14.5		
75 / 10	2.22	0.6		
75 / 11	3.84	16.8		
75 / 12	4.39	9.5		
76 / 1	-1.37	-23.7		
76 / 2	-1.37	-25.6		
76 / 3	0.63	-1.2		
76 / 4	-3.13	-17.2		
76 / 5	-2.59	-18.8		
76 / 6	-5.67	-32.9		
76 / 7	-3.53	-25.0		
76 / 8	-0.17	-6.3		
76 / 9	2.30	7.8		
76 / 10	-3.89	-33.2		
76 / 11	-9.64	-63.1		
76 / 12	2.52	-7.4		
77 / 1	-0.85	-14.2		
77 / 2	-4.13	-32.2		
77 / 3	-4.47	-30.9		
85 / 7	-7.66	-45.1		
85 / 8	-8.18	-46.8		

9384400 INVERCARGILL, NEW ZEALAND

Lat. 46.42S Long. 168.32E Alt. 2 m a.s.l.





9394400 CAMPBELL ISLAND (PACIFIC OC.), NEW ZEALAND

Lat. 52.55S Long. 169.15E Alt. 15 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp.	Vap. Pr.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1963	1272	30.3	30.3								
	(12)		(9.6/1)								
1964	1379	26.4	26.4							6.7	8.6
	(12)		(100.0/12)							(12)	(12)
1965	1441	33.8	32.6								
	(12)		(89.7/11)								
1966	1184	25.5	26.0								
	(12)		(100.0/12)								
1967	1223	28.8	28.5								
	(12)		(100.0/12)								
1968	1538	24.6	23.2								
	(12)		(100.0/12)								
1969	1521	26.5	26.9								
	(12)		(91.6/11)								
1970	1532	29.6	29.8								
	(12)		(100.0/12)								
1971	1296	20.8	21.1								
	(12)		(100.0/12)								
1972	1291	16.1	16.3							6.7	8.3
	(12)		(100.0/12)							(12)	(12)
1973	1401	13.5	13.1							6.8	8.8
	(12)		(32.4/4)							(12)	(12)
1974	1225	10.3	10.4								
	(12)		(100.0/12)								
1975	1358	9.5	9.6							7.1	8.6
	(12)		(100.0/12)							(12)	(12)
1976	1228	6.7	6.8							6.8	8.3
	(12)		(100.0/12)							(12)	(12)
1977	1113	7.2	7.2							7.0	8.5
	(12)		(10.3/1)							(12)	(12)
1978	1311									7.4	8.7
	(12)									(12)	(12)
1979	1301									7.3	8.8
	(12)									(12)	(12)
1980	899										
	(9)										
1985	723	4.9	4.7								
	(12)		(87.9/10)								
1986	895	5.3	5.3								
	(12)		(84.6/11)								
Long Term											
Means 1257											7.0 8.6
σ											0.2 0.2

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	107	20										9.4	0.8	9	10.2	1.0	9
Feb	95	20										9.4	0.7	9	9.7	0.6	9
Mar	111	20										8.9	0.6	9	9.5	0.7	9
Apr	118	20										7.6	0.7	9	9.0	0.5	9
May	122	20										5.8	0.6	9	8.0	0.4	9
Jun	99	20										4.8	0.8	9	7.5	0.7	9
Jul	107	19										5.2	0.6	8	7.6	0.5	8
Aug	97	20										5.3	0.7	9	7.7	0.3	9
Sep	110	20										5.8	0.3	9	7.9	0.5	9
Oct	105	20										6.1	0.5	9	8.1	0.9	9
Nov	102	19										6.9	0.6	8	8.4	0.7	8
Dec	99	19										8.4	1.1	9	9.2	0.9	9

CORRELATIONS

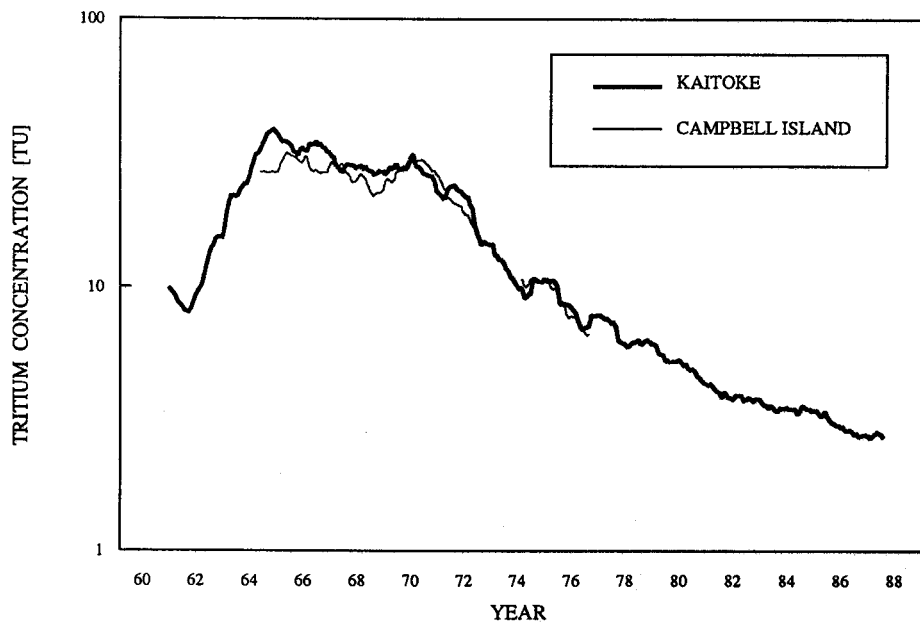
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	167	0.75	0.03	0.31	0.03	0.828	0.13
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	14	0.76	0.04	0.30	0.06	0.959	0.06

REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
85 / 8		12.80	0.4	

9394400 CAMPBELL ISLAND (PACIFIC OC.), NEW ZEALAND

Lat. 52.55S Long. 169.15E Alt. 15 m a.s.l.



9401400 MADANG, PAPUA NEW GUINEA

Lat. 5.22S Long. 145.80 Alt. 4 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1968	3149 (12)	11.3 (42.0/5)	19.5	-6.85 (42.0/5)	-6.35	-48.2 (42.0/5)	-43.2	6.6 (42.0/5)	7.6	26.7 (12)	29.3 (12)
1969	3439 (12)	8.1 (89.3/11)	7.9	-8.36 (100.0/12)	-7.48	-52.9 (100.0/12)	-46.7	14.0 (100.0/12)	13.2	26.8 (12)	
1970	3416 (12)	7.5 (86.2/11)	7.6	-7.84 (100.0/12)	-7.37	-49.1 (90.1/11)	-46.3	11.5 (90.1/11)	10.5	26.7 (12)	30.0 (12)
1971	4222 (12)	7.1 (100.0/12)	7.2	-7.68 (100.0/12)	-7.31					26.5 (12)	29.5 (12)
1972	2522 (12)	7.3 (99.8/11)	7.2	-7.56 (99.8/11)	-6.36	-39.4 (24.7/1)	-39.4	13.0 (24.7/1)	13.0	26.7 (12)	28.4 (12)
1973	3461 (12)	5.0 (100.0/12)	4.9	-8.03 (100.0/12)	-7.34	-50.4 (100.0/12)	-45.4	13.9 (100.0/12)	13.3	27.1 (12)	30.0 (12)
1974	3316 (12)	7.2 (87.9/11)	6.6	-7.62 (85.2/11)	-6.40	-49.8 (85.2/11)	-40.9	11.2 (85.2/11)	10.4	26.7 (12)	29.3 (12)
1975	4341 (12)	5.0 (100.0/12)	5.0	-7.79 (92.0/11)	-7.80	-48.2 (100.0/12)	-48.2	11.3 (92.0/11)	11.3	26.8 (12)	29.2 (12)
1976	2894 (12)	5.5 (84.2/10)	5.8	-7.85 (65.3/9)	-6.98	-53.8 (84.2/10)	-45.1	12.8 (65.3/9)	13.3	28.0 (12)	29.1 (12)
1977	3178 (12)	6.6 (100.0/12)	5.6	-7.36 (33.5/3)	-6.73	-54.7 (33.5/3)	-49.5	4.2 (33.5/3)	4.4	27.0 (12)	29.6 (12)
1978	3428 (12)	5.1 (100.0/12)	5.0	-6.66 (100.0/12)	-6.25	-44.9 (100.0/12)	-41.2	8.4 (100.0/12)	8.8	27.1 (12)	30.0 (12)
1979	3048 (12)	3.8 (13.2/1)	3.8	-6.88 (9.3/1)	-6.88	-45.3 (22.6/2)	-45.3	9.7 (9.3/1)	9.7	27.3 (12)	30.1 (12)
1980		3.9 (22.6/2)	3.9	-11.03 (13.1/1)	-11.03	-73.5 (13.1/1)	-73.5	14.8 (13.1/1)	14.8		
1981	3223 (5)	5.7 (92.2/11)	5.1	-8.20 (44.9/6)	-7.23	-54.3 (44.9/6)	-47.2	11.4 (44.9/6)	10.7		
1982		5.1 (63.6/7)	4.8	-9.53 (63.6/7)	-8.76	-64.4 (63.6/7)	-58.5	11.8 (63.6/7)	11.7		
Long Term											
Means 3218				-7.70	-7.04	-49.7	-44.8	11.7	11.3	27.0	29.5
σ				0.49	0.60	3.0	2.7	2.1	1.7	0.3	0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	357	12	-8.20	1.85	12	-54.6	15.5	10	10.1	1.9	10	26.9	0.4	12	29.5	0.4	11
Feb	312	13	-8.67	2.35	11	-60.8	17.6	10	9.6	3.8	9	26.9	0.3	13	29.2	0.7	12
Mar	333	13	-10.48	1.19	11	-73.8	9.9	8	10.9	4.1	8	26.8	0.4	13	29.7	0.9	12
Apr	355	13	-8.62	1.68	9	-55.9	11.5	8	9.8	3.8	7	26.9	0.3	13	30.0	1.1	13
May	337	13	-6.81	1.83	9	-36.9	11.8	7	12.0	4.0	7	26.9	0.5	13	30.1	0.7	13
Jun	215	13	-5.30	2.12	9	-37.0	13.4	7	10.2	3.3	7	26.8	0.4	13	29.7	0.9	13
Jul	141	12	-5.12	1.54	10	-26.9	12.4	9	10.4	2.6	8	26.8	1.1	12	29.2	1.2	12
Aug	149	12	-4.73	1.61	10	-29.4	11.1	9	9.2	4.2	9	26.8	0.7	12	29.0	0.9	12
Sep	139	12	-3.99	1.52	11	-24.5	11.0	9	10.3	4.2	9	26.6	0.4	12	28.8	1.0	12
Oct	291	12	-6.28	0.80	11	-39.4	6.9	9	12.5	2.3	9	27.3	1.3	12	29.2	0.6	12
Nov	304	12	-7.35	2.21	11	-47.1	16.9	9	14.5	4.2	9	27.3	1.3	12	29.6	0.6	12
Dec	424	12	-9.47	2.30	11	-63.1	16.4	10	12.8	5.8	10	27.1	0.8	12	29.9	1.0	12

CORRELATIONS

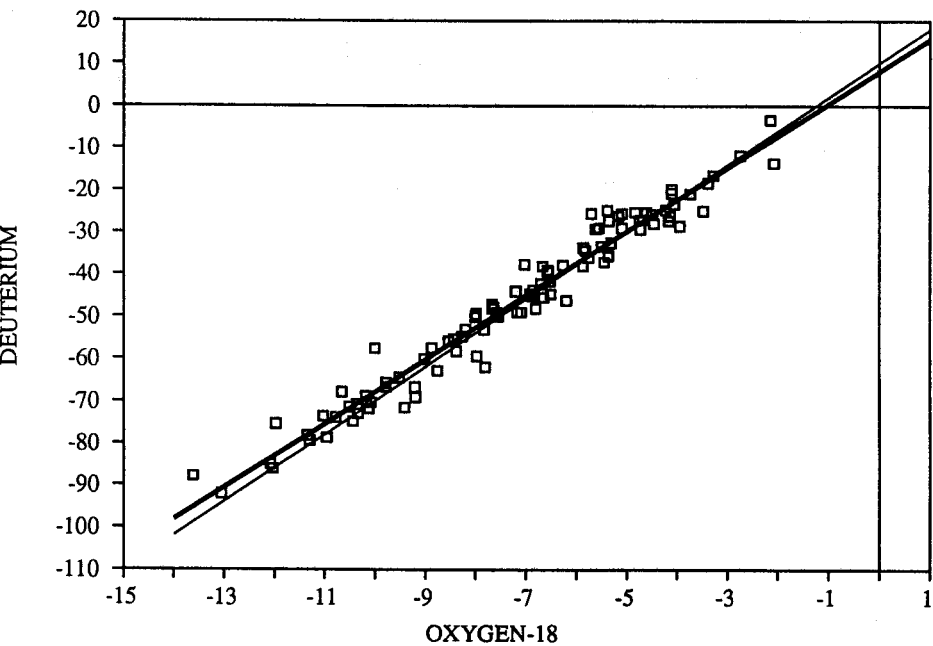
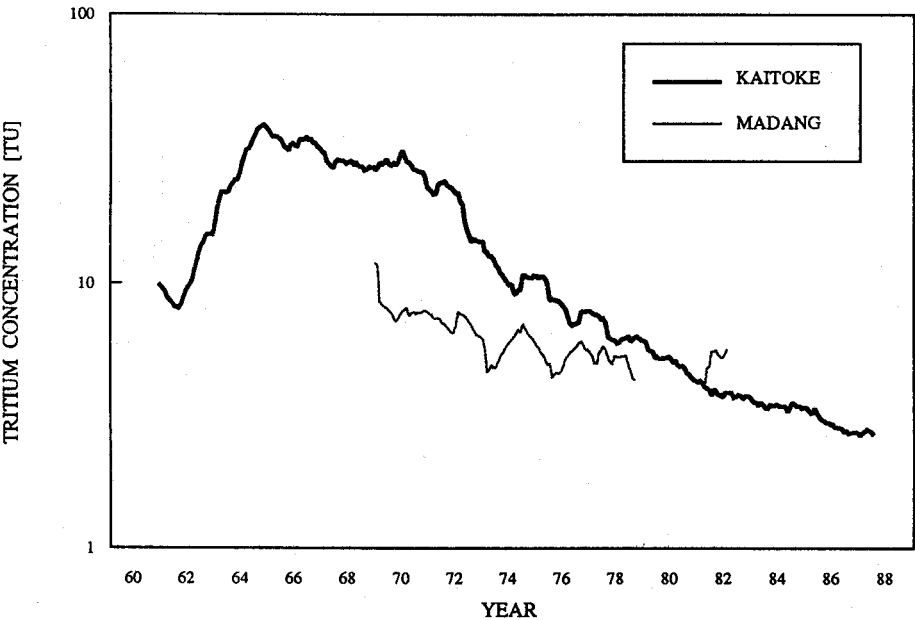
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	138	0.34	0.05	0.40	0.05	0.289	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	11	0.17	0.07	0.61	0.07	0.433	0.06
3) Monthly Deut vs. Monthly Precipitation	105	-0.08	0.01	-21.79	4.01	0.300	16.70
4) Monthly Oxyg-18 vs. Monthly Prec	125	-0.01	0.00	-4.26	0.46	0.287	2.23
5) Monthly Deut vs. Monthly Temperature	91	0.53	2.29	-59.07	61.90	0.001	18.92
6) Monthly Oxyg-18 vs. Monthly Temp	111	0.01	0.30	-7.37	8.03	0.000	2.54
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	102	7.59	0.15	8.10	1.13	0.963	3.81
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	102	7.73	0.15	9.13	1.18	0.963	3.81

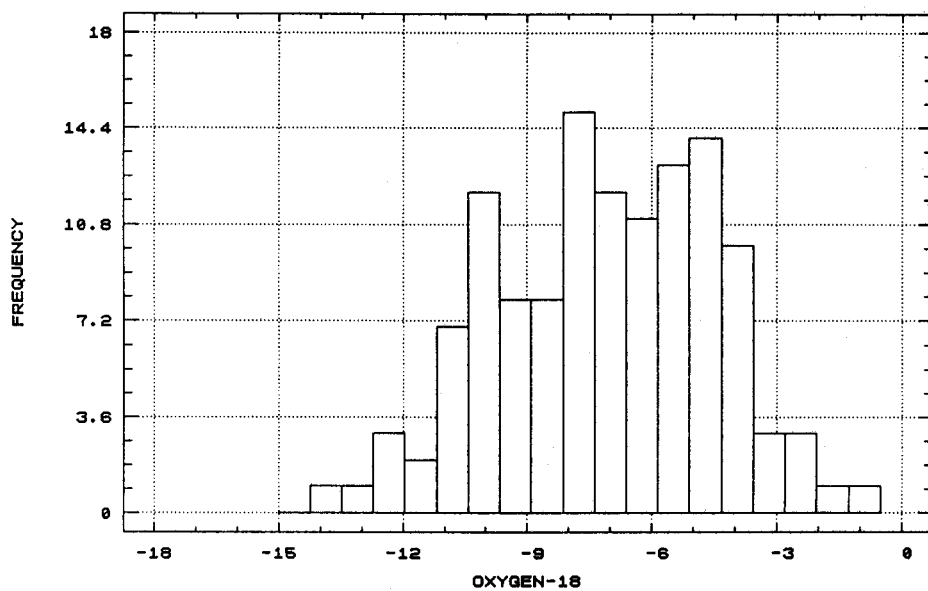
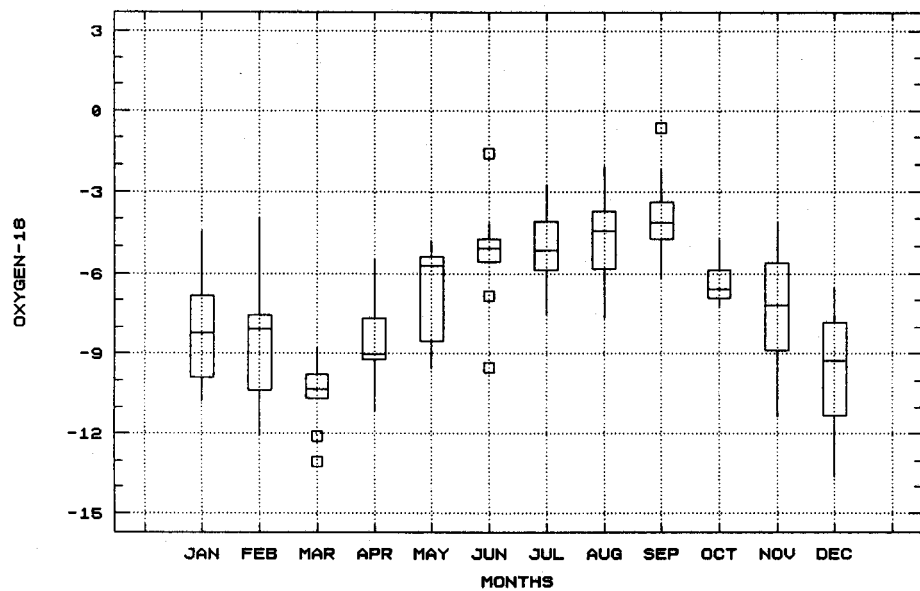
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
72 / 8	5.19			
74 / 2		82.30	5.6	
81 / 3		25.00	1.0	

9401400 MADANG, PAPUA NEW GUINEA

Lat. 5.22S Long. 145.80 Alt. 4 m a.s.l.





9412000 DARWIN, AUSTRALIA

Lat. 12.43S Long. 130.87E Alt. 26 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	1622 (12)			-2.25 (99.3/7)	-1.19					27.7 (12)	24.9 (12)
1963	1344 (12)	24.8 (76.6/6)	25.5	-5.88 (95.2/6)	-4.99	-33.4 (95.2/6)	-25.9	13.7 (95.2/6)	14.1	27.0 (12)	24.5 (12)
1964	2489 (12)	24.6 (99.1/8)	22.4	-2.85 (99.1/8)	-2.82	-10.6 (99.1/8)	-11.1	12.2 (99.1/8)	11.5	27.6 (12)	25.5 (12)
1965	1554 (12)	32.8 (95.3/6)	48.8	-6.53 (99.8/8)	-3.34	-39.4 (99.8/8)	-14.7	12.9 (99.8/8)	12.1	27.1 (12)	23.8 (12)
1966	1369 (12)	15.1 (99.8/9)	17.3	-4.09 (100.0/11)	-2.22	-16.0 (100.0/11)	-6.6	16.8 (100.0/11)	11.2	27.6 (12)	24.2 (12)
1967	1626 (12)	13.3 (99.5/7)	14.1	-7.33 (87.9/5)	-5.50					27.2 (12)	23.6 (12)
1968	2121 (12)	13.9 (100.0/11)	15.3							27.5 (12)	26.6 (12)
1969	1972 (12)	70.9 (100.0/10)	49.6							27.9 (12)	24.4 (12)
1970	1220 (12)	16.3 (100.0/9)	15.3							28.1 (12)	24.2 (12)
1971	2031 (12)	13.7 (100.0/9)	12.8							27.5 (12)	25.7 (12)
1972	1491 (12)	11.4 (96.2/7)	11.2							27.8 (12)	25.8 (12)
1973	1662 (12)	7.9 (98.3/8)	7.2	-5.41 (100.0/9)	-4.48	-28.6 (100.0/9)	-21.8	14.7 (100.0/9)	14.1	28.3 (12)	26.6 (12)
1974	2590 (12)	6.7 (76.2/8)	7.3	-5.89 (76.2/8)	-3.87	-35.5 (76.2/8)	-20.3	11.6 (76.2/8)	10.7	27.3 (12)	25.0 (12)
1975	1912 (12)	6.1 (71.6/5)	5.9	-6.67 (74.2/6)	-5.15	-42.7 (74.2/6)	-31.3	10.7 (74.2/6)	9.9	27.9 (12)	25.9 (12)
1976	1563 (12)	6.2 (98.9/6)	6.1	-5.43 (98.9/6)	-3.50	-33.0 (98.9/6)	-18.7	10.4 (98.9/6)	9.4	27.3 (12)	23.3 (12)
1977	2372 (12)	5.6 (100.0/9)	5.9	-6.29 (77.5/8)	-3.68	-37.9 (77.5/8)	-18.9	12.4 (77.5/8)	10.6	27.2 (12)	23.7 (12)
1978	1734 (12)	5.5 (69.0/7)	5.4	-3.65 (100.0/11)	-2.97	-15.2 (100.0/11)	-10.5	14.1 (100.0/11)	13.3	28.0 (12)	24.4 (12)
1979	1202 (12)	5.2 (51.1/7)	5.0	-3.35 (76.2/5)	-3.38	-20.1 (76.2/5)	-19.4	6.7 (76.2/5)	7.7	28.1 (12)	23.6 (12)
1980	1848 (12)	4.3 (100.0/8)	4.5	-4.07 (100.0/8)	-2.72	-21.4 (100.0/8)	-10.0	11.2 (100.0/8)	11.8		
1981	2164 (12)	3.9 (99.9/10)	4.6	-5.75 (99.9/10)	-2.60	-37.6 (99.6/9)	-18.5	8.8 (99.6/9)	8.6		
1982	1495 (12)	4.2 (98.8/7)	4.2	-3.46 (98.8/7)	-2.07	-16.3 (98.8/7)	-5.6	11.4 (98.8/7)	11.0		
1983	1867 (11)	4.3 (100.0/7)	4.1	-3.29 (100.0/7)	-2.81	-15.6 (100.0/7)	-11.8	10.8 (100.0/7)	10.7		
1984	1949 (12)	3.2 (100.0/9)	3.4	-5.98 (100.0/9)	-4.04	-39.1 (100.0/9)	-21.8	8.8 (100.0/9)	10.6		
1985	1233 (12)	3.4 (100.0/8)	3.4	-7.22 (99.9/7)	-6.19	-58.3 (81.1/4)	-61.4	6.6 (81.1/4)	5.8	27.8 (12)	24.5 (12)
1986	1738 (12)	3.7 (94.0/11)	3.4	-4.60 (93.1/9)	-2.95	-27.6 (93.1/9)	-14.5	9.3 (93.1/9)	9.2	28.1 (12)	25.5 (12)
1987	1976 (12)	2.9 (94.6/7)	2.7	-5.40 (93.5/6)	-4.44	-33.9 (83.0/5)	-24.8	13.3 (81.9/4)	12.8	28.1 (12)	24.2 (12)
Long Term											
Means 1775				-4.90	-3.49	-28.2	-18.7	11.5	10.8	27.7	24.8
σ				1.48	1.20	12.1	12.2	2.7	2.1	0.3	0.9

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	462	26	-5.55	2.23	19	-30.3	15.9	17	11.6	3.3	17	28.3	0.6	22	30.0	0.7	22
Feb	359	26	-4.93	2.79	21	-31.5	18.3	19	10.7	4.4	19	28.1	0.8	22	30.3	0.7	22
Mar	347	26	-5.97	2.42	21	-37.0	17.8	19	10.2	2.8	19	28.1	0.7	22	29.7	0.9	22
Apr	81	26	-3.49	2.92	20	-18.3	26.2	17	11.3	4.2	17	28.4	0.8	22	25.8	2.1	22
May	29	26	-1.41	2.58	10	-11.6	9.1	7	8.9	5.6	7	27.1	0.8	22	21.2	3.0	22
Jun	2	26	-1.34	2.67	4	-1.7	17.1	4	9.0	4.7	4	25.2	1.1	22	16.9	3.2	22
Jul	1	26	-6.91		1	-37.1		1	18.2		1	24.7	1.0	21	15.7	2.3	21
Aug	7	26	-0.89	1.76	6	3.7	14.6	6	10.8	4.1	6	25.9	0.7	21	19.4	2.6	21
Sep	23	25	-1.36	1.09	10	-0.4	5.1	11	10.3	5.8	10	27.9	0.6	21	23.3	1.8	21
Oct	78	26	-1.29	1.26	15	1.9	7.1	13	11.1	3.5	13	29.2	0.4	21	26.5	1.5	21
Nov	127	26	-2.43	2.95	16	-10.3	22.3	14	11.3	5.0	14	29.5	0.5	21	28.0	1.4	21
Dec	260	26	-2.66	1.75	18	-10.0	13.5	16	11.9	5.6	16	29.1	0.7	21	29.2	1.4	21

CORRELATIONS

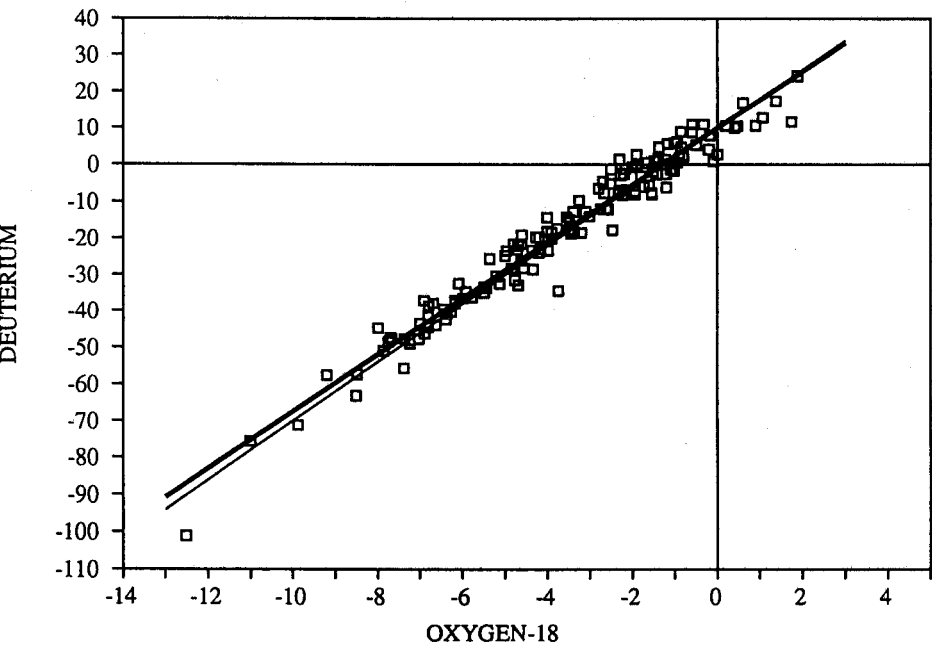
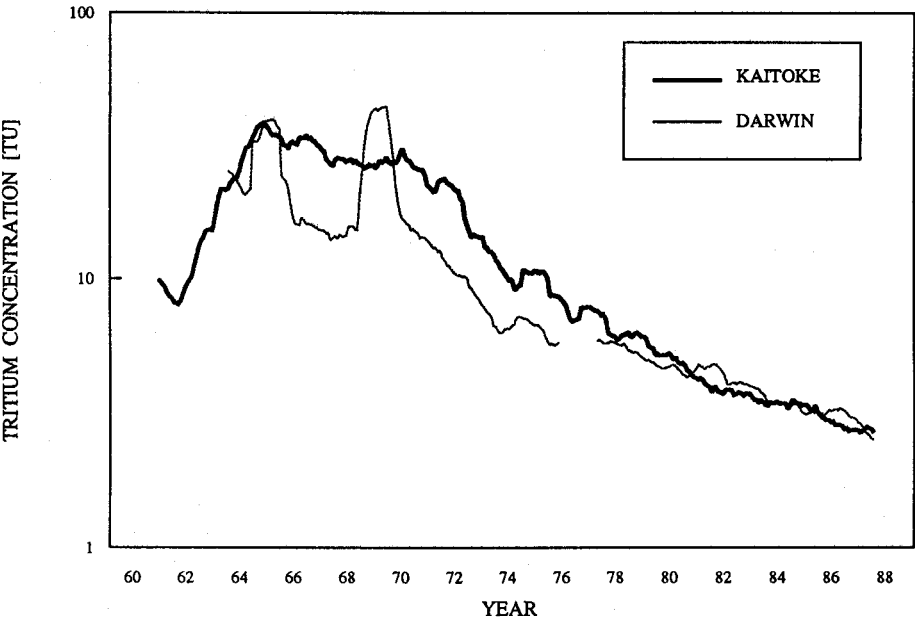
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	199	0.75	0.03	0.17	0.04	0.714	0.19
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	22	0.82	0.08	0.11	0.09	0.845	0.15
3) Monthly Deut vs. Monthly Precipitation	144	-0.05	0.01	-5.65	2.18	0.289	18.30
4) Monthly Oxyg-18 vs. Monthly Prec	161	-0.01	0.00	-1.86	0.28	0.287	2.46
5) Monthly Deut vs. Monthly Temperature	108	3.93	2.12	-129.71	59.99	0.031	20.90
6) Monthly Oxyg-18 vs. Monthly Temp	124	0.48	0.26	-17.32	7.37	0.027	2.83
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	143	7.75	0.13	10.03	0.59	0.961	4.29
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	143	7.90	0.13	10.59	0.69	0.961	4.29

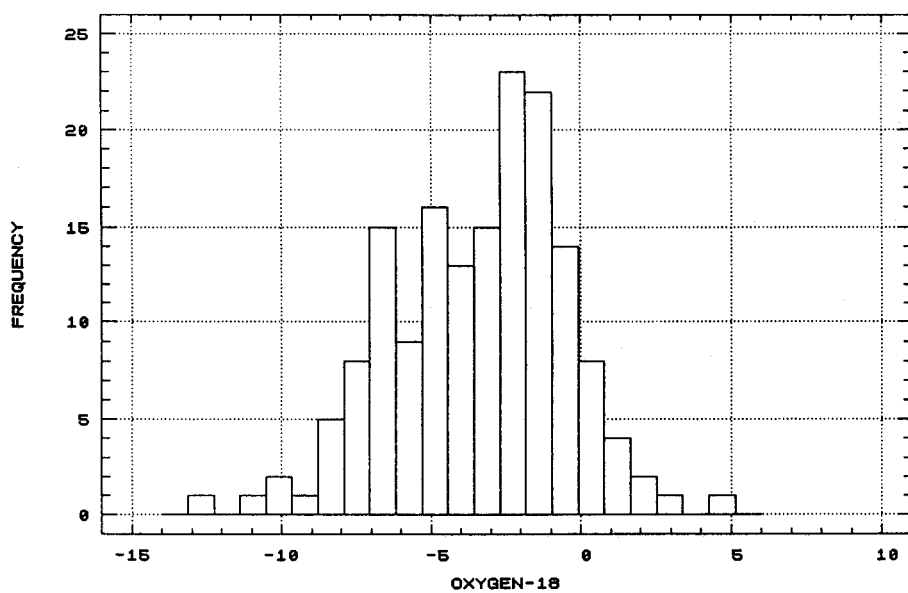
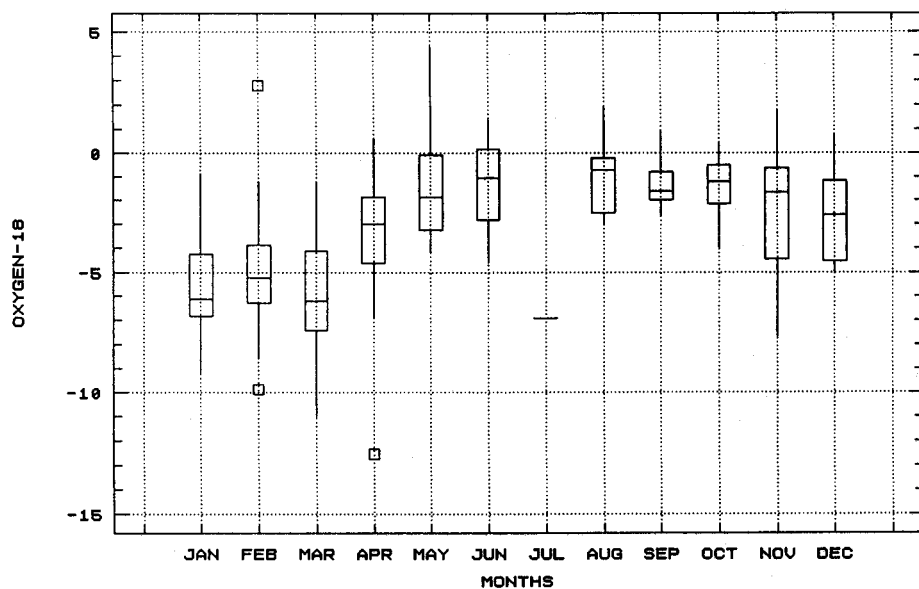
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
63 / 11	2.80	6.8		
64 / 5	1.80	2.5		
75 / 10	-2.27	-33.0		
77 / 1	-2.40	-40.3		
86 / 7	-6.70	-70.7		
86 / 8	-0.73	-15.5		

9412000 DARWIN, AUSTRALIA

Lat. 12.43S Long. 130.87E Alt. 26 m a.s.l.





9432600 ALICE SPRINGS, AUSTRALIA

Lat. 23.80S Long. 133.88E Alt. 546 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	Aver.	Aver.
1962	199 (12)			-2.01 (98.9/9)	-1.29	-12.3 (98.9/9)	-10.2	3.8 (98.9/9)	0.2	21.0 (12)	8.6 (12)
1963	119 (12)			-3.79 (82.3/8)	-2.57	-27.2 (82.3/8)	-17.8	3.2 (82.3/8)	2.8	21.6 (12)	8.1 (12)
1964	111 (12)	44.7 (86.4/7)	41.8	-0.77 (100.0/9)	-1.15	-2.2 (100.0/9)	-6.3	4.0 (100.0/9)	3.0	21.1 (12)	8.0 (12)
1965	82 (12)	63.7 (93.9/5)	60.5	-1.16 (98.7/6)	-0.52	-1.6 (100.0/7)	4.0	7.3 (98.7/6)	3.6	21.8 (12)	7.6 (12)
1966	390 (12)	38.6 (83.5/7)	38.9	-5.26 (90.5/8)	-2.52	-17.4 (99.7/8)	-4.2	19.8 (90.2/7)	16.3	20.3 (12)	8.8 (12)
1967	236 (12)	22.0 (98.7/6)	38.0	-9.98 (96.6/7)	-2.71	-60.3 (100.0/8)	-13.8	16.7 (96.6/7)	2.4	20.6 (12)	8.8 (12)
1968	458 (12)	32.3 (100.0/12)	33.5	-5.07 (90.6/11)	-4.69	-20.4 (100.0/12)	-19.9	15.9 (90.6/11)	14.0	20.9 (12)	11.2 (12)
1969	185 (12)	30.8 (98.9/9)	38.9	-3.13 (96.2/10)	-0.79	-15.7 (96.2/10)	-0.8	9.4 (96.2/10)	5.6	20.8 (12)	9.5 (12)
1970	176 (12)	33.7 (100.0/8)	41.9	-5.46 (100.0/8)	-2.84	-30.4 (100.0/8)	-14.2	13.3 (100.0/8)	8.5	21.0 (12)	8.4 (12)
1971	123 (12)	27.5 (99.1/8)	29.7	-2.77 (99.1/8)	-2.56					21.8 (12)	8.5 (12)
1972	268 (12)	9.0 (83.2/1)	9.0	-11.06 (100.0/7)	-2.03	44.6 (0.7/1)	44.6	-3.1 (0.7/1)	-3.1	21.0 (12)	8.0 (12)
1973	448 (12)	16.5 (80.1/7)	14.7	-3.80 (67.1/9)	-3.73	-25.2 (55.3/8)	-23.9	14.6 (55.3/8)	11.4	22.1 (12)	10.8 (12)
1974	779 (12)	10.1 (59.3/5)	11.6	-8.28 (100.0/10)	-4.95	-52.9 (100.0/10)	-25.2	13.4 (100.0/10)	14.5	19.8 (12)	12.7 (12)
1975	600 (12)	11.6 (89.1/7)	14.8	-7.53 (69.6/5)	-3.54	-49.6 (69.6/5)	-23.9	10.7 (69.6/5)	4.5	19.9 (12)	11.3 (12)
1976	551 (12)	8.8 (99.8/6)	10.1	-10.90 (100.0/7)	-7.21	-74.0 (100.0/7)	-45.7	13.3 (100.0/7)	12.0	18.6 (12)	10.5 (12)
1983	227 (6)			-5.55 (63.8/6)	-3.87	-37.1 (63.8/6)	-23.4	7.4 (63.8/6)	7.6		
1984	287 (12)			-7.33 (100.0/8)	-4.68	-47.6 (100.0/8)	-28.0	11.1 (100.0/8)	9.6		
1985	162 (12)	4.9 (88.2/7)	6.0	-1.79 (67.2/5)	-2.53	-6.4 (67.9/6)	-13.3	8.1 (67.2/5)	8.6		
1986	394 (12)	5.2 (100.0/8)	5.8	-4.47 (90.6/7)	-2.14	-22.8 (96.7/7)	-9.8	13.1 (87.3/6)	12.1		
1987	194 (12)			-1.75 (43.8/7)	-1.12	-8.9 (19.5/3)	-3.7	9.5 (19.5/3)	5.6		
Long Term											
Means 298				-6.70	-2.84	-37.8	-14.8	12.9	8.0	20.8	9.4
σ				3.65	1.82	24.1	13.0	5.6	5.4	0.9	1.5

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	45	20	-4.05	5.22	16	-34.0	36.8	13	5.8	8.0	13	28.7	2.0	15	12.2	4.1	15
Feb	41	19	-7.04	4.01	13	-44.6	26.6	12	8.9	8.6	12	27.4	1.6	15	13.0	4.1	15
Mar	37	19	-5.63	4.79	12	-31.7	33.9	10	8.9	6.2	10	24.7	1.7	15	11.6	2.6	15
Apr	17	20	-4.23	4.32	11	-30.9	28.9	9	5.3	10.7	9	20.2	1.4	15	9.4	2.6	15
May	12	19	-4.25	2.68	13	-26.7	16.9	12	9.5	6.7	12	15.4	1.6	15	8.8	1.5	15
Jun	19	19	-4.36	3.49	12	-22.4	21.2	10	11.2	9.5	10	12.8	1.8	15	8.1	1.6	15
Jul	19	19	-4.69	3.70	9	-31.8	26.9	8	13.0	6.2	7	12.0	1.8	15	7.1	2.6	15
Aug	15	20	-2.34	2.45	15	-9.7	14.8	13	10.4	8.1	13	14.1	1.5	15	7.1	1.8	15
Sep	13	19	0.79	3.39	10	4.0	24.2	8	3.0	7.0	7	18.2	1.3	15	7.3	1.7	15
Oct	21	20	0.63	3.85	13	8.6	23.5	15	2.9	11.3	13	22.7	1.8	15	8.1	2.1	15
Nov	27	20	1.44	2.65	17	17.1	14.4	16	4.7	12.7	15	25.4	1.0	15	9.2	1.7	15
Dec	38	20	-2.39	5.09	14	-4.4	39.4	14	12.9	9.4	13	27.5	1.3	15	10.1	2.1	15

CORRELATIONS

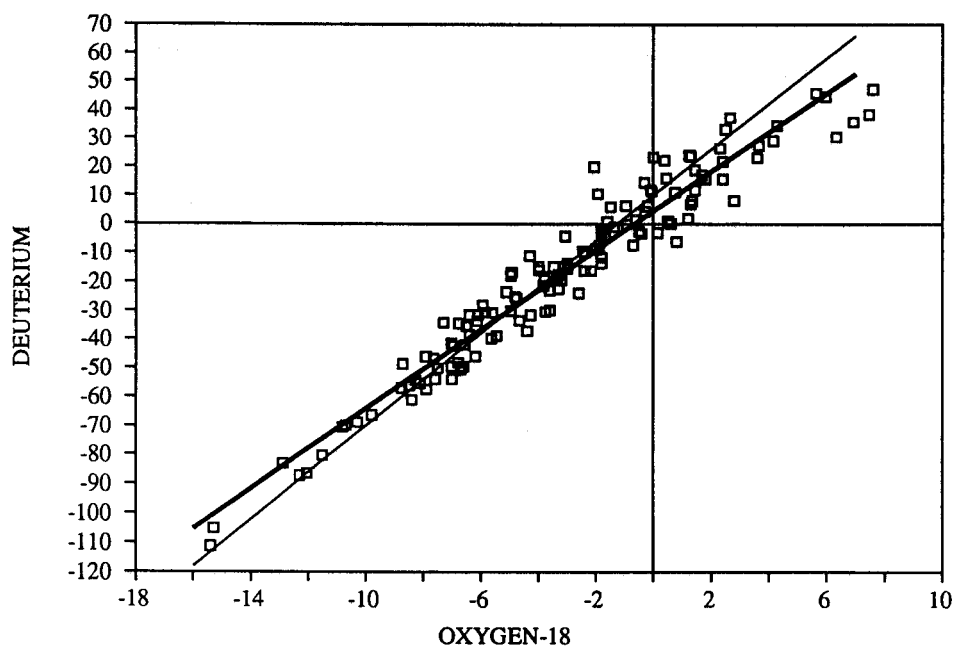
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	103	0.84	0.05	0.33	0.06	0.751	0.18
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	14	0.87	0.09	0.23	0.12	0.881	0.13
3) Monthly Deut vs. Monthly Precipitation	140	-0.40	0.05	-1.26	2.95	0.294	27.28
4) Monthly Oxyg-18 vs. Monthly Prec	155	-0.06	0.01	-0.91	0.38	0.330	3.77
5) Monthly Deut vs. Monthly Temperature	110	0.56	0.55	-26.66	12.24	0.010	32.90
6) Monthly Oxyg-18 vs. Monthly Temp	122	0.09	0.07	-4.72	1.64	0.011	4.75
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	134	6.86	0.15	4.48	0.82	0.940	7.89
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	134	7.07	0.15	5.14	1.06	0.940	7.89

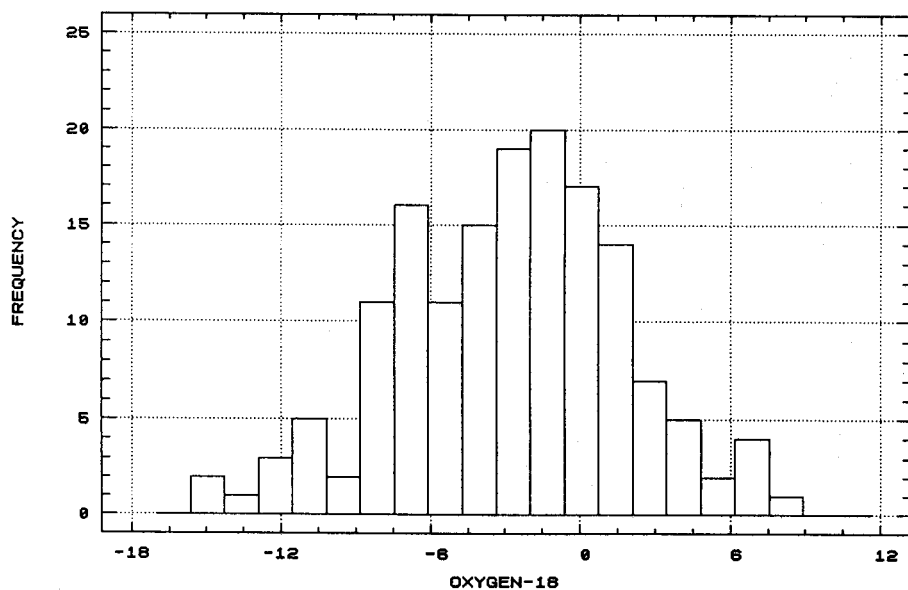
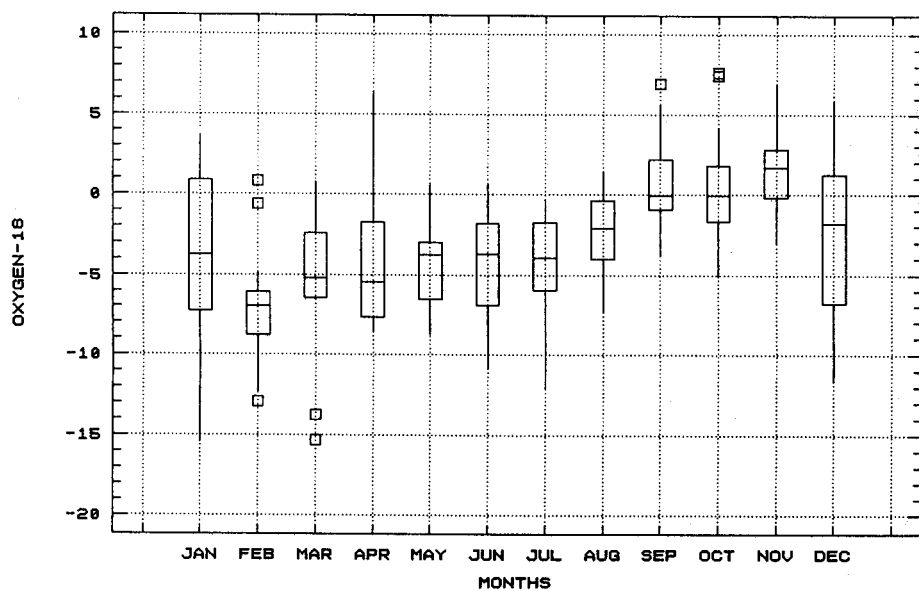
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
69 / 10	12.20	62.7		

9432600 ALICE SPRINGS, AUSTRALIA

Lat. 23.80S Long. 133.88E Alt. 546 m a.s.l.





9457600 BRISBANE, AUSTRALIA

Lat. 27.43S Long. 153.08E Alt. 0 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W.	Aver.	W.	Aver.	W.	Aver.	W.	Aver.		
1962	1050 (12)	87.7 (100.0/12)	84.7 (100.0/12)	-3.59 (100.0/12)	-3.20 (100.0/12)	-18.4 (100.0/12)	-15.4 (100.0/12)	10.4 (100.0/12)	10.3 (100.0/12)	21.0 (12)	16.1 (12)
1963	1255 (12)	29.3 (96.7/10)	32.9 (96.7/10)	-3.82 (86.5/9)	-3.17 (86.5/9)	-18.1 (86.5/9)	-11.7 (86.5/9)	12.5 (86.5/9)	13.7 (86.5/9)	20.5 (12)	16.3 (12)
1964	1224 (12)	35.4 (100.0/12)	42.0 (100.0/12)	-3.51 (100.0/12)	-3.58 (100.0/12)	-15.9 (100.0/12)	-17.6 (100.0/12)	12.2 (100.0/12)	11.1 (100.0/12)	20.8 (12)	16.2 (12)
1965	1042 (12)	26.6 (99.1/11)	28.1 (99.1/11)	-5.24 (100.0/12)	-3.41 (100.0/12)	-25.5 (92.1/11)	-10.5 (92.1/11)	17.3 (92.1/11)	16.4 (92.1/11)	20.8 (12)	16.2 (12)
1966	1112 (12)	20.4 (100.0/12)	20.8 (100.0/12)	-4.27 (90.2/11)	-3.53 (90.2/11)	-16.0 (90.2/11)	-11.0 (90.2/11)	18.3 (90.2/11)	17.3 (90.2/11)	20.5 (12)	15.6 (12)
1967	1791 (12)	15.7 (99.8/11)	19.0 (99.8/11)	-6.93 (76.0/5)	-5.96 (76.0/5)					20.7 (12)	16.0 (12)
1968	856 (12)	16.1 (100.0/12)	22.2 (100.0/12)							21.0 (12)	15.2 (12)
1969	1044 (12)	23.5 (100.0/12)	20.4 (100.0/12)							21.1 (12)	16.2 (12)
1970	1429 (12)	19.2 (100.0/12)	20.0 (100.0/12)							20.7 (12)	16.0 (12)
1971	1376 (12)	17.1 (100.0/12)	19.2 (100.0/12)							20.8 (12)	15.8 (12)
1972	1887 (12)	12.7 (100.0/12)	15.4 (100.0/12)	-1.76 (3.3/1)	-1.76 (3.3/1)	-3.0 (3.3/1)	-3.0 (3.3/1)	11.1 (3.3/1)	11.1 (3.3/1)	20.7 (12)	16.2 (12)
1973	1260 (12)	11.8 (85.3/11)	11.9 (85.3/11)	-4.43 (62.6/10)	-3.09 (62.6/10)	-22.5 (62.6/10)	-12.2 (62.6/10)	13.0 (62.6/10)	12.6 (62.6/10)	22.0 (12)	18.4 (12)
1974	2194 (12)	8.4 (96.3/11)	13.6 (96.3/11)	-7.03 (100.0/12)	-4.62 (100.0/12)	-44.6 (100.0/12)	-25.2 (100.0/12)	11.7 (100.0/12)	11.8 (100.0/12)	21.0 (12)	16.4 (12)
1975	1092 (12)	9.4 (100.0/12)	9.8 (100.0/12)	-3.92 (96.7/11)	-3.26 (96.7/11)	-18.9 (96.7/11)	-13.4 (96.7/11)	12.5 (96.7/11)	12.7 (96.7/11)	20.7 (12)	16.8 (12)
1976	1311 (12)	6.4 (100.0/11)	6.4 (100.0/11)	-4.37 (100.0/11)	-3.88 (100.0/11)	-22.3 (100.0/11)	-17.1 (100.0/11)	12.7 (100.0/11)	14.0 (100.0/11)	21.1 (12)	17.2 (12)
1977	617 (12)	7.4 (100.0/12)	7.8 (100.0/12)	-4.28 (56.8/7)	-3.97 (56.8/7)	-19.4 (56.8/7)	-16.4 (56.8/7)	14.9 (56.8/7)	15.4 (56.8/7)	21.6 (12)	17.5 (12)
1978	944 (12)	6.1 (66.5/8)	6.7 (66.5/8)	-3.51 (100.0/12)	-3.42 (100.0/12)	-12.2 (90.1/11)	-11.1 (90.1/11)	16.9 (90.1/11)	17.1 (90.1/11)		
1979	749 (12)	6.7 (52.3/5)	6.6 (52.3/5)	-3.32 (74.2/9)	-3.17 (74.2/9)	-10.9 (100.0/11)	-12.2 (100.0/11)	11.7 (74.2/9)	10.4 (74.2/9)	21.6 (12)	17.2 (12)
1980	1137 (12)	5.1 (100.0/11)	6.1 (100.0/11)	-5.83 (100.0/11)	-4.02 (100.0/11)	-34.6 (100.0/11)	-20.3 (100.0/11)	12.1 (100.0/11)	12.0 (100.0/11)		
1981	1453 (12)	5.1 (98.6/11)	6.5 (98.6/11)	-3.67 (97.0/10)	-2.88 (97.0/10)	-18.6 (98.2/10)	-16.9 (98.2/10)	11.0 (96.6/9)	12.0 (96.6/9)	21.4 (12)	17.1 (12)
1982	1042 (12)	4.7 (100.0/12)	5.4 (100.0/12)	-3.29 (100.0/12)	-2.68 (100.0/12)	-12.4 (100.0/12)	-6.7 (100.0/12)	14.0 (100.0/12)	14.8 (100.0/12)		
1983	1471 (12)	4.3 (100.0/12)	4.3 (100.0/12)	-3.84 (100.0/12)	-3.07 (100.0/12)	-16.3 (100.0/12)	-9.8 (100.0/12)	14.5 (100.0/12)	14.8 (100.0/12)		
1984	981 (12)	3.9 (97.0/11)	4.2 (97.0/11)	-5.30 (97.0/11)	-3.67 (97.0/11)	-29.8 (97.0/11)	-15.8 (97.0/11)	12.6 (97.0/11)	13.6 (97.0/11)	20.8 (12)	16.9 (12)
1985	1005 (12)	3.9 (100.0/12)	4.3 (100.0/12)	-4.62 (100.0/12)	-4.16 (100.0/12)	-22.2 (100.0/12)	-18.0 (100.0/12)	14.8 (100.0/12)	15.4 (100.0/12)	21.1 (12)	17.0 (12)
1986	784 (12)	4.4 (100.0/12)	4.2 (100.0/12)	-2.56 (100.0/12)	-2.33 (100.0/12)	-4.5 (100.0/12)	-3.6 (100.0/12)	16.0 (100.0/12)	15.1 (100.0/12)	21.1 (12)	14.7 (12)
1987	1027 (12)	3.9 (99.9/11)	3.6 (99.9/11)	-2.05 (100.0/12)	-2.22 (100.0/12)	-3.5 (80.9/9)	-3.3 (80.9/9)	11.3 (80.9/9)	13.2 (80.9/9)	21.0 (12)	17.0 (12)
Long Term Means 1197				-4.49	-3.50	-21.1	-13.3	13.3	13.8	21.0	16.5
σ				1.35	0.86	10.2	5.6	2.4	2.0	0.3	0.8

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	176	26	-3.25	1.96	21	-12.3	16.1	20	12.4	4.9	20	25.2	0.8	24	22.2	1.6	24
Feb	134	26	-3.42	2.00	19	-13.8	14.2	17	11.9	3.6	17	25.1	0.8	25	22.5	1.6	25
Mar	134	26	-3.11	2.10	20	-13.0	16.0	19	11.1	4.9	19	24.1	0.7	25	21.2	2.2	25
Apr	77	26	-3.56	2.36	21	-16.3	19.3	19	13.5	5.7	19	21.9	0.7	25	17.8	1.0	25
May	94	26	-4.23	2.46	20	-19.5	21.9	19	14.7	3.8	19	18.9	0.7	25	14.7	1.4	25
Jun	70	26	-3.90	2.04	21	-15.2	14.7	19	14.7	5.8	19	16.5	0.9	25	11.8	1.4	25
Jul	62	26	-5.13	3.56	19	-24.6	29.2	19	16.4	3.0	19	15.4	0.7	24	10.4	1.6	24
Aug	46	26	-3.14	1.50	15	-10.8	13.3	15	14.2	5.5	14	16.7	0.6	24	11.0	1.5	24
Sep	35	26	-2.32	2.52	17	-7.8	16.7	16	13.7	3.9	16	18.9	0.6	24	12.8	1.3	24
Oct	112	26	-2.50	1.39	17	-5.6	12.1	17	14.4	4.0	17	21.1	1.0	24	15.3	1.6	24
Nov	121	26	-2.53	2.17	17	-7.1	14.4	18	12.7	5.9	17	23.0	0.9	24	18.0	2.1	24
Dec	138	26	-3.32	1.49	19	-11.9	12.7	20	14.1	2.6	19	24.6	1.1	24	20.2	2.4	24

CORRELATIONS

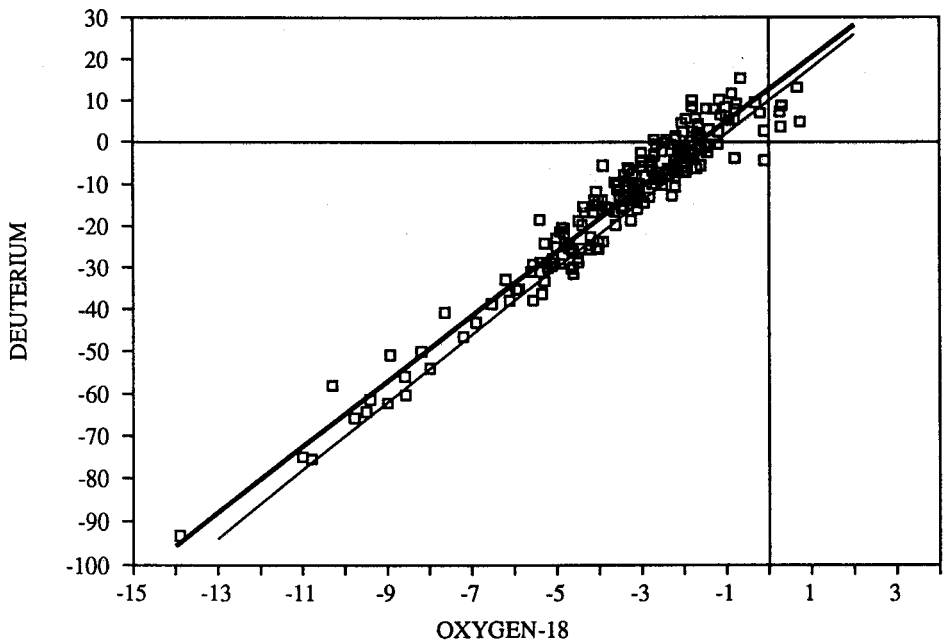
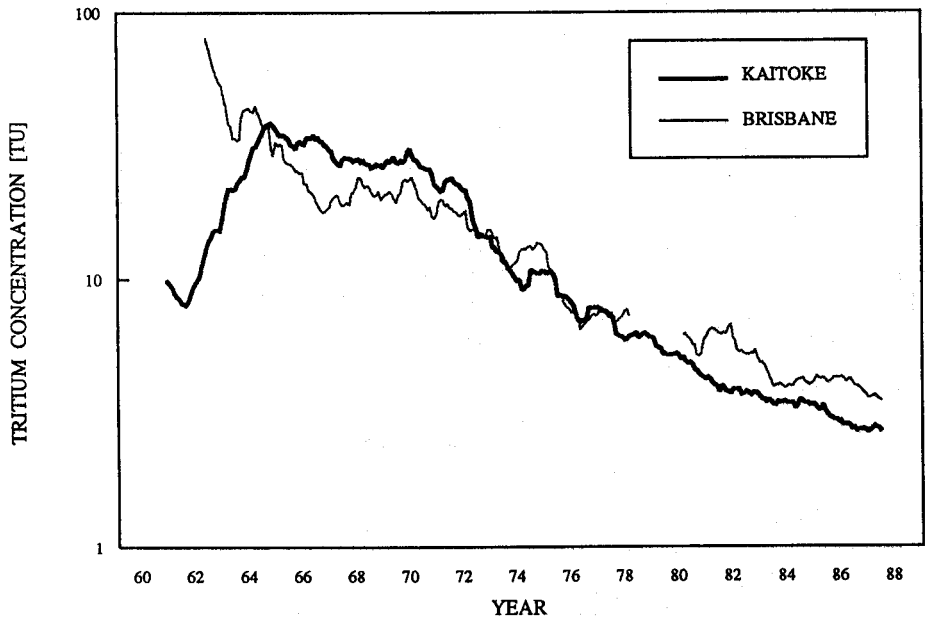
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	288	0.75	0.04	0.28	0.04	0.592	0.25
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	24	0.77	0.10	0.25	0.11	0.723	0.20
3) Monthly Deut vs. Monthly Precipitation	218	-0.08	0.01	-5.35	1.55	0.194	16.02
4) Monthly Oxyg-18 vs. Monthly Prec	226	-0.01	0.00	-2.39	0.19	0.203	2.04
5) Monthly Deut vs. Monthly Temperature	200	0.58	0.35	-25.61	7.57	0.013	17.55
6) Monthly Oxyg-18 vs. Monthly Temp	208	0.10	0.04	-5.57	0.95	0.025	2.24
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	215	7.74	0.14	12.75	0.58	0.933	4.65
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	215	8.01	0.14	13.68	0.66	0.933	4.65

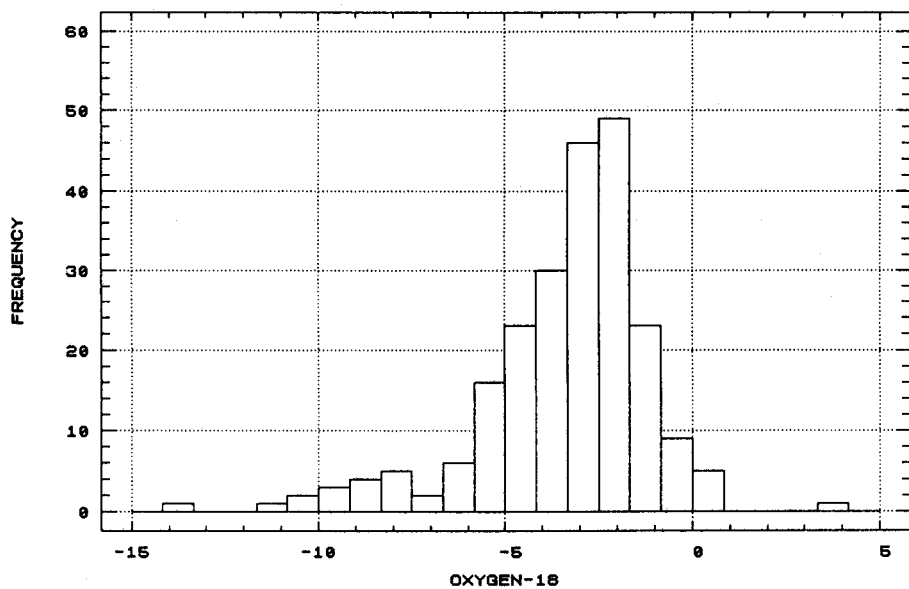
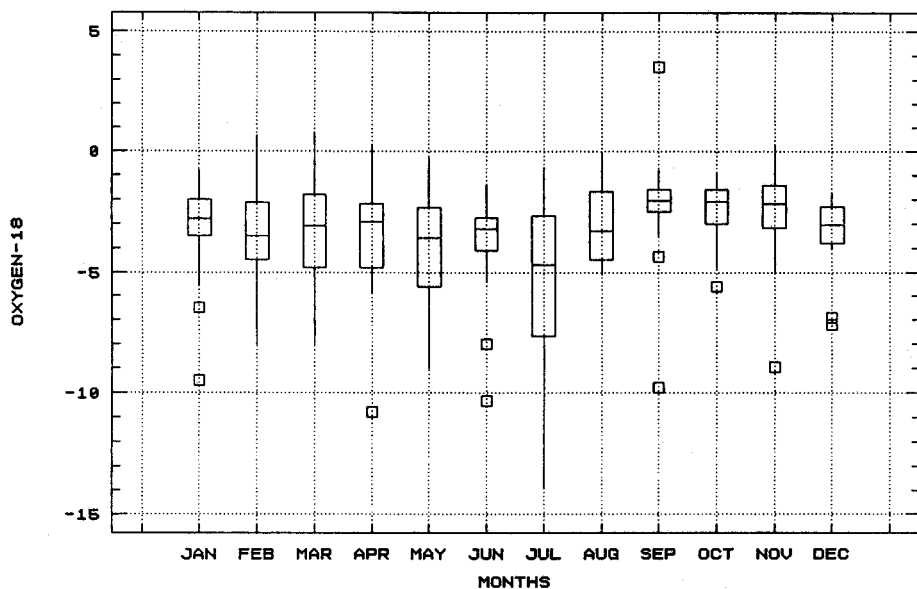
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
63	/ 7	5.20	24.8		
63	/ 11	-3.20	10.6		
75	/ 8	-6.13	-8.8		

9457600 BRISBANE, AUSTRALIA

Lat. 27.43S Long. 153.08E Alt. 0 m a.s.l.





9460800 PERTH, AUSTRALIA

Lat. 31.95S Long. 115.97E Alt. 17 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	713 (12)			-3.36 (99.7/11)	-2.41	-13.2 (99.7/11)	-8.4	13.7 (99.7/11)	11.0	18.7 (12)	13.4 (12)
1963	998 (12)	24.8 (97.8/10)	29.1	-3.70 (97.1/9)	-3.40	-11.8 (97.1/9)	-11.5	17.9 (97.1/9)	15.8	19.0 (12)	13.8 (12)
1964	976 (12)	30.4 (78.5/5)	27.1	-4.10 (99.5/10)	-3.25	-19.4 (99.5/10)	-15.0	13.5 (99.5/10)	11.1	18.1 (12)	12.8 (12)
1965	942 (12)	33.2 (93.4/9)	41.4	-4.02 (99.8/11)	-3.22	-15.1 (96.2/10)	-12.5	17.5 (96.2/10)	13.5	18.7 (12)	13.6 (12)
1966	415 (12)	33.8 (98.7/11)	35.0	-3.54 (97.3/9)	-3.15	-10.8 (97.3/9)	-8.5	17.6 (97.3/9)	16.7	18.0 (12)	12.5 (12)
1967	1036 (12)	21.4 (100.0/12)	23.8	-4.58 (28.8/4)	-3.05					18.4 (12)	13.4 (12)
1968	931 (12)	21.9 (99.5/11)	22.0							17.5 (12)	12.5 (12)
1969	574 (12)	19.3 (100.0/11)	21.5							18.7 (12)	13.5 (12)
1970	910 (12)	19.6 (99.5/10)	22.7							18.9 (12)	13.5 (12)
1971	795 (12)	21.1 (100.0/12)	22.7							18.1 (12)	13.0 (12)
1972	626 (12)	16.5 (99.8/10)	18.0	-5.03 (0.1/1)	-5.03	-25.6 (0.1/1)	-25.6	14.7 (0.1/1)	14.7	19.7 (12)	13.6 (12)
1973	981 (12)	11.6 (99.7/9)	12.1	-4.23 (99.8/10)	-3.60	-15.8 (99.8/10)	-14.3	18.1 (99.8/10)	14.6	18.6 (12)	13.4 (12)
1974	941 (12)	8.6 (100.0/12)	11.4	-3.92 (100.0/12)	-2.68	-15.1 (100.0/12)	-12.3	16.3 (100.0/12)	9.1	19.0 (12)	13.5 (12)
1975	676 (12)	9.7 (100.0/10)	10.4	-3.97 (100.0/10)	-3.25	-16.0 (100.0/10)	-13.2	15.8 (100.0/10)	12.9	18.3 (12)	12.5 (12)
1976	725 (12)	8.4 (99.7/11)	9.0	-3.62 (96.5/11)	-3.07	-14.0 (96.5/11)	-12.1	15.0 (96.5/11)	12.5	19.5 (12)	13.0 (12)
1985	620 (12)	4.5 (94.8/8)	4.7								
1986	901 (12)	4.5 (100.0/11)	4.8								
Long Term											
Means 809				-3.87	-3.12	-14.9	-12.0	16.2	13.0	18.6	13.2
σ				0.29	0.36	2.6	2.2	1.8	2.4	0.5	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	7	17	-0.83	3.80	4	-5.6	16.6	4	1.0	14.7	4	24.5	1.4	15	15.2	1.1	15
Feb	16	17	-1.72	2.29	5	-10.3	14.3	4	4.7	6.9	4	24.5	1.8	15	16.0	1.2	15
Mar	16	17	-1.23	1.09	8	-7.9	6.7	7	1.0	5.7	7	22.7	1.5	15	15.1	1.5	15
Apr	45	17	-3.56	1.31	10	-16.3	10.9	8	12.4	4.6	8	19.4	1.1	15	14.0	0.9	15
May	113	17	-3.60	1.20	10	-12.2	6.9	9	15.3	4.8	9	16.7	1.1	15	12.6	1.3	15
Jun	168	17	-4.14	1.11	9	-15.2	9.9	9	17.9	4.7	9	14.7	0.7	15	12.1	0.9	15
Jul	165	17	-4.18	0.51	9	-15.6	5.0	9	17.9	3.8	9	13.6	0.7	15	11.3	0.8	15
Aug	121	17	-3.58	0.75	9	-12.8	7.2	9	15.8	3.8	9	13.5	0.8	15	10.8	0.7	15
Sep	77	17	-3.17	0.71	9	-10.1	4.6	9	15.3	2.4	9	14.7	1.0	15	11.7	1.1	15
Oct	53	17	-3.67	1.20	9	-14.7	5.4	9	14.7	5.3	9	17.0	1.4	15	11.8	1.3	15
Nov	21	17	-2.99	2.17	8	-12.3	13.6	8	11.7	5.4	8	19.0	1.5	15	13.0	1.2	15
Dec	8	17	-2.32	2.01	8	-6.4	12.5	8	12.1	5.6	8	22.5	1.2	15	14.2	1.5	15

CORRELATIONS

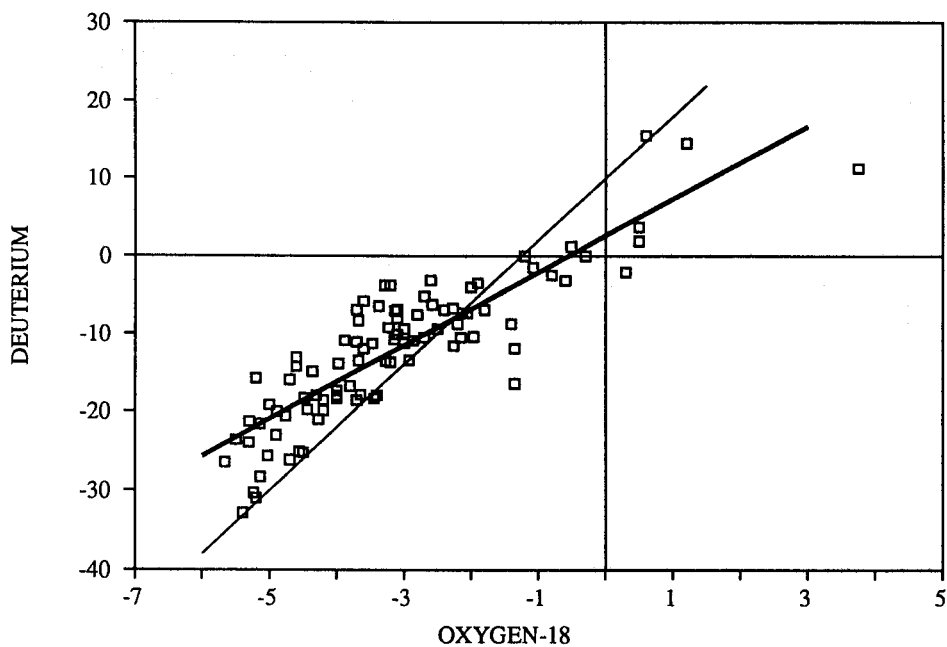
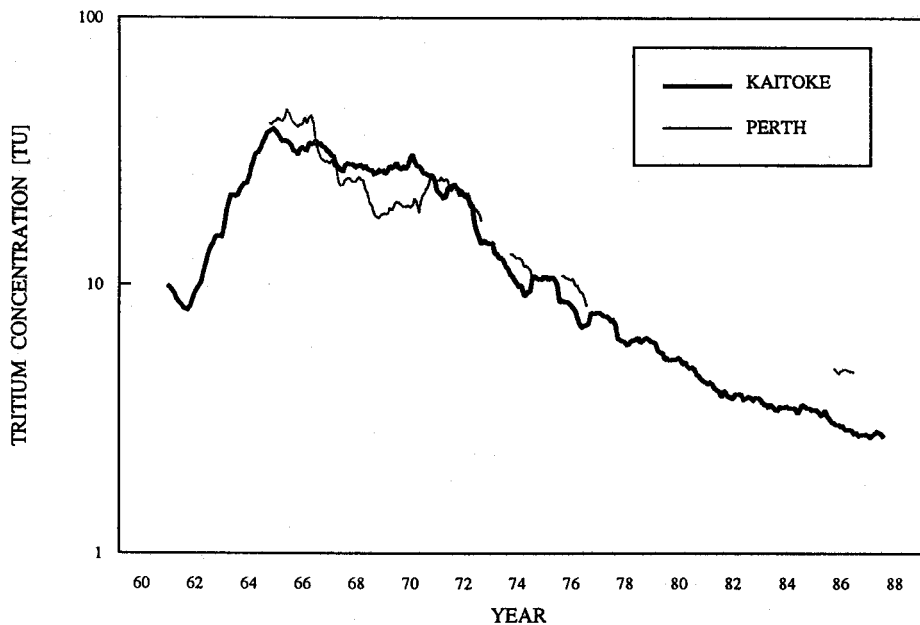
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	160	0.69	0.04	0.39	0.05	0.685	0.17
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	16	0.76	0.05	0.27	0.06	0.947	0.07
3) Monthly Deut vs. Monthly Precipitation	93	-0.04	0.01	-8.72	1.36	0.110	8.79
4) Monthly Oxyg-18 vs. Monthly Prec	98	-0.01	0.00	-2.18	0.22	0.257	1.47
5) Monthly Deut vs. Monthly Temperature	93	0.52	0.23	-21.34	4.26	0.052	9.07
6) Monthly Oxyg-18 vs. Monthly Temp	98	0.21	0.04	-6.81	0.69	0.237	1.49
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	93	4.71	0.28	2.58	0.99	0.758	4.58
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	93	5.41	0.28	4.77	1.09	0.758	4.58

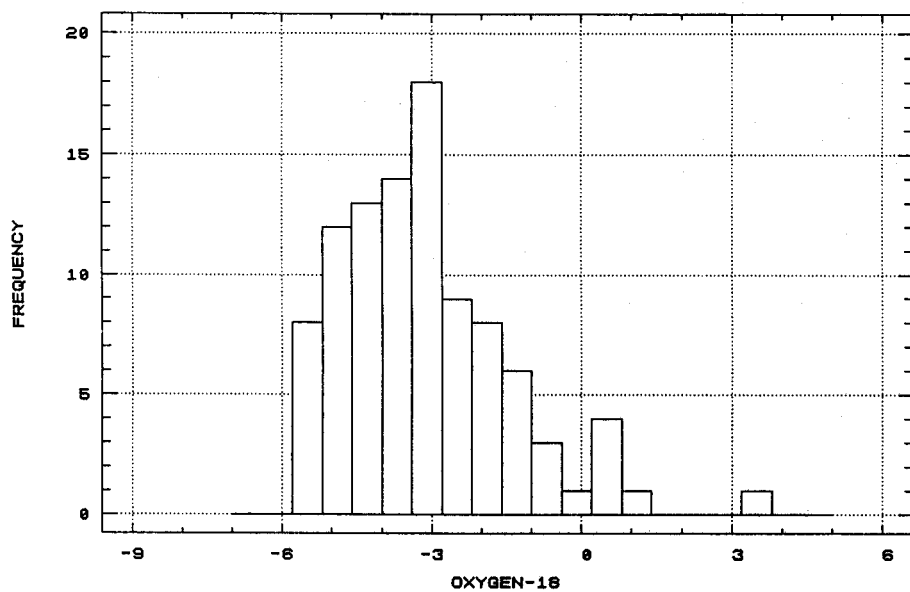
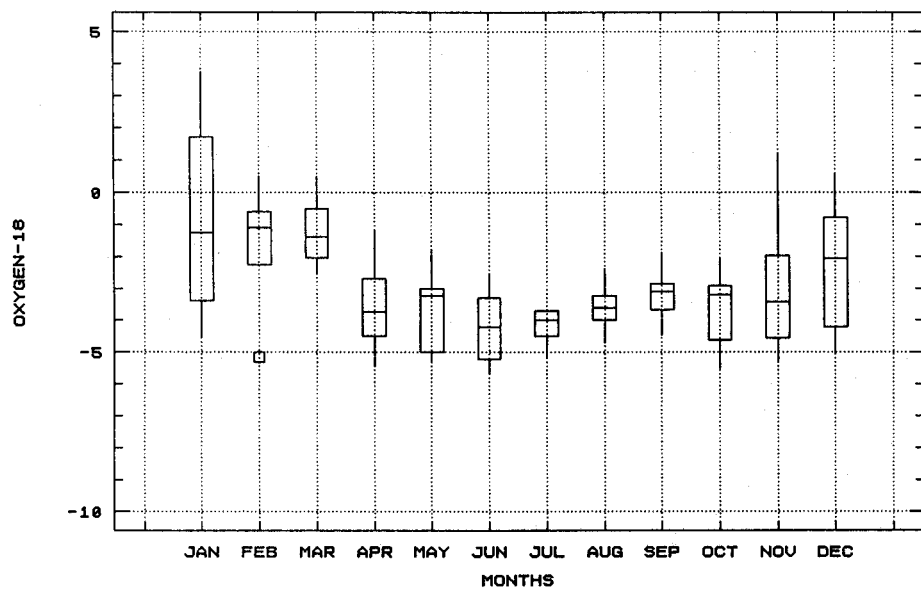
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
62	/ 1	6.50	32.9		
63	/ 2	-5.60	-46.5		
63	/ 11	2.40	26.7		
64	/ 2	3.10	13.1		
66	/ 1	5.30	50.3		
66	/ 2	3.60			
67	/ 1	1.80			
76	/ 1	1.33	10.2		

9460800 PERTH, AUSTRALIA

Lat. 31.95S Long. 115.97E Alt. 17 m a.s.l.





9467500 ADELAIDE, AUSTRALIA

Lat. 34.93S Long. 138.58E Alt. 43 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	456 (12)	86.0 (41.0/4)	96.1	-3.77 (100.0/12)	-3.54	-21.4 (100.0/12)	-20.7	8.8 (100.0/12)	7.6	17.2 (12)	10.4 (12)
1963	621 (12)	40.2 (98.0/8)	44.9	-5.27 (99.5/11)	-4.13	-32.6 (99.5/11)	-24.3	9.6 (99.5/11)	8.9	17.0 (12)	11.6 (12)
1964	556 (12)	107.3 (98.0/10)	85.6	-4.47 (98.2/10)	-3.82	-25.2 (98.2/10)	-20.3	10.6 (98.2/10)	10.3	16.2 (12)	11.5 (12)
1965	338 (12)	55.6 (97.3/10)	56.5	-4.34 (100.0/11)	-3.64	-20.3 (100.0/11)	-16.0	14.5 (100.0/11)	13.2	17.4 (12)	11.8 (12)
1966	495 (12)	49.2 (100.0/12)	48.1	-3.81 (92.5/10)	-3.47	-14.9 (92.5/10)	-12.4	15.7 (92.5/10)	15.5	16.9 (12)	11.7 (12)
1967	254 (12)	49.9 (99.6/11)	46.5	-4.40 (24.4/3)	-3.37	-23.2 (98.8/11)	-18.5	8.2 (24.4/3)	7.7	16.6 (12)	10.8 (12)
1968	639 (12)	35.7 (74.3/10)	38.6							17.0 (12)	11.8 (12)
1969	523 (12)	58.0 (99.8/11)	52.2			-15.2 (39.0/4)	-15.9			16.7 (12)	11.3 (12)
1970	482 (12)	34.7 (100.0/11)	36.2							16.6 (12)	11.3 (12)
1971	672 (12)	26.0 (95.2/10)	27.8							16.9 (12)	12.4 (12)
1972	441 (12)	25.1 (95.9/10)	24.3	-3.66 (10.2/1)	-3.66	-14.6 (10.2/1)	-14.6	14.7 (10.2/1)	14.7	17.3 (12)	11.1 (12)
1973	675 (12)	17.6 (100.0/12)	17.5	-4.82 (100.0/12)	-4.42	-25.8 (100.0/12)	-23.1	12.9 (100.0/12)	12.3	17.7 (12)	12.0 (12)
1974	639 (12)	15.6 (100.0/12)	16.3	-5.39 (100.0/12)	-4.77	-33.5 (100.0/12)	-28.3	9.7 (100.0/12)	9.9	17.1 (12)	12.4 (12)
1975	523 (12)	13.7 (100.0/12)	16.0	-3.70 (72.0/9)	-2.35	-20.7 (55.2/8)	-11.7	10.6 (55.2/8)	6.5	17.4 (12)	11.4 (12)
1976	367 (12)	10.2 (99.7/11)	10.5	-4.51 (99.7/11)	-4.67	-21.7 (99.7/11)	-22.5	14.5 (99.7/11)	14.9	16.8 (12)	11.0 (12)
1983	267 (5)			-4.20 (54.1/5)	-3.62	-24.4 (54.1/5)	-20.4	9.2 (54.1/5)	8.7		
1984	567 (12)			-3.88 (67.0/6)	-3.28	-20.0 (67.0/6)	-16.8	11.1 (67.0/6)	9.5		
1985	379 (12)	5.7 (99.2/10)	5.7								
1986	482 (12)	5.4 (99.7/10)	5.5								
Long Term Means 493				-4.63	-4.06	-25.3	-20.7	11.7	11.6	17.0	11.5
σ				0.60	0.51	6.0	4.6	2.7	2.8	0.3	0.5

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	21	19	-4.50	4.05	11	-27.9	30.0	11	8.1	5.4	11	22.5	1.8	15	13.5	1.3	15
Feb	26	18	-5.38	3.74	8	-33.8	28.5	8	9.2	6.3	8	22.8	1.5	15	13.6	1.7	15
Mar	20	18	-3.99	1.50	7	-20.9	7.8	7	11.0	6.2	7	20.7	1.3	15	13.0	1.4	15
Apr	46	19	-4.06	2.17	12	-20.3	18.4	13	11.1	3.7	12	17.9	1.0	15	12.1	1.7	15
May	66	18	-4.55	1.19	9	-24.5	10.8	9	12.7	3.9	8	14.4	0.9	15	11.2	1.0	15
Jun	47	18	-5.50	2.35	9	-31.3	17.8	11	11.9	4.7	9	12.4	0.6	15	10.2	0.9	15
Jul	71	18	-4.96	1.28	8	-23.3	9.3	10	13.9	3.8	8	11.8	0.8	15	9.9	0.8	15
Aug	62	19	-4.11	0.92	10	-20.4	7.9	12	12.0	2.8	10	12.1	0.7	15	10.0	0.6	15
Sep	45	18	-2.90	1.10	10	-12.3	8.0	11	10.6	3.6	10	13.7	1.2	15	10.3	1.2	15
Oct	44	19	-3.06	1.80	9	-17.9	14.0	10	9.5	6.2	9	16.3	1.0	15	10.4	0.7	15
Nov	27	18	-2.01	1.63	9	-5.1	8.4	10	11.0	7.1	9	18.6	1.0	15	11.1	0.9	15
Dec	34	19	-1.80	2.31	11	-4.9	14.4	12	9.5	6.4	11	20.5	1.6	15	12.1	1.1	15

CORRELATIONS

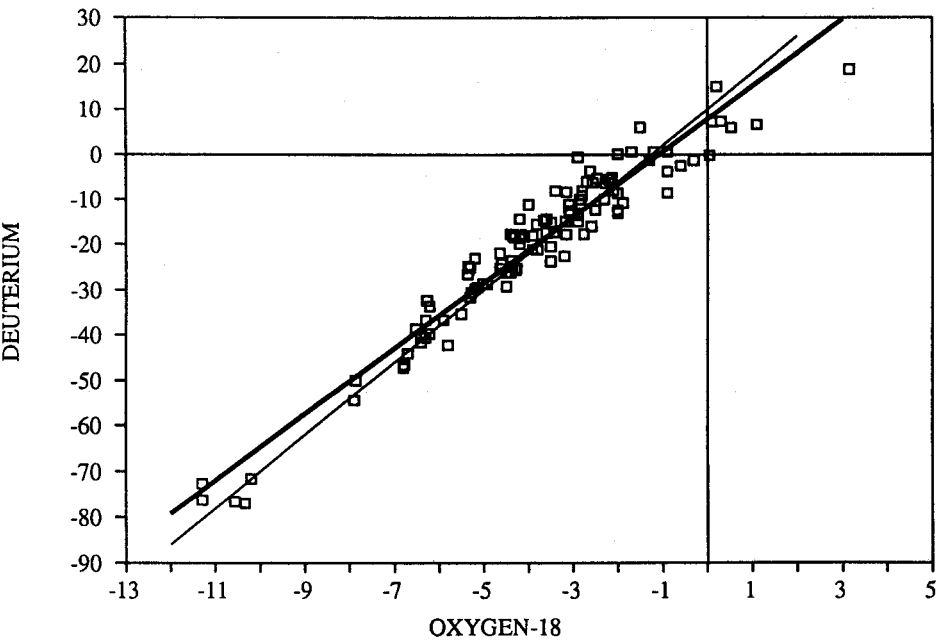
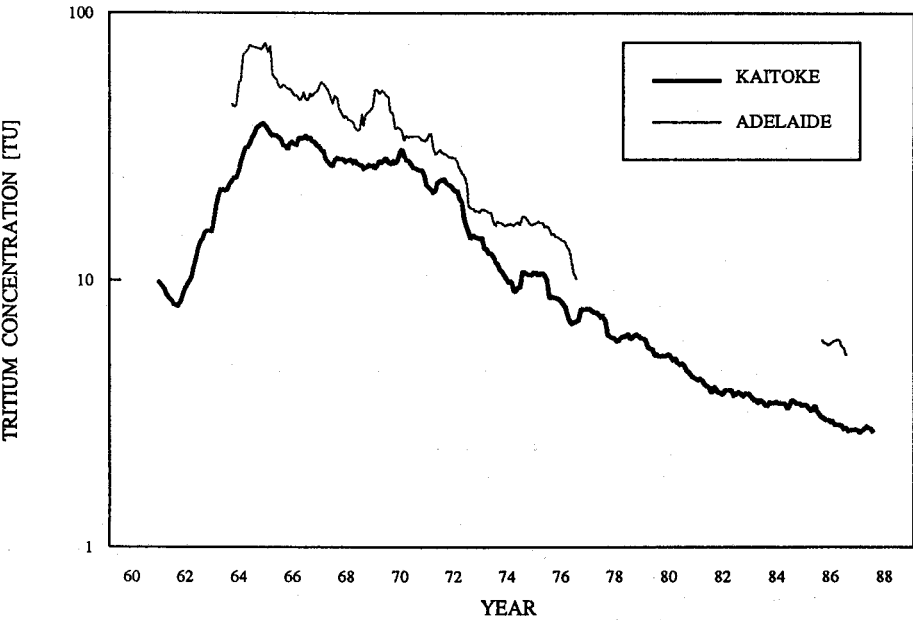
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	172	0.87	0.04	0.36	0.05	0.702	0.21
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	15	0.99	0.08	0.22	0.09	0.930	0.10
3) Monthly Deut vs. Monthly Precipitation	124	-0.22	0.05	-10.17	2.71	0.131	16.79
4) Monthly Oxyg-18 vs. Monthly Prec	113	-0.03	0.01	-2.41	0.39	0.152	2.26
5) Monthly Deut vs. Monthly Temperature	113	0.05	0.44	-20.75	7.55	0.000	18.37
6) Monthly Oxyg-18 vs. Monthly Temp	102	0.05	0.06	-4.78	1.09	0.007	2.49
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	112	7.25	0.19	7.88	0.85	0.933	4.79
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	112	7.50	0.18	8.87	0.95	0.933	4.79

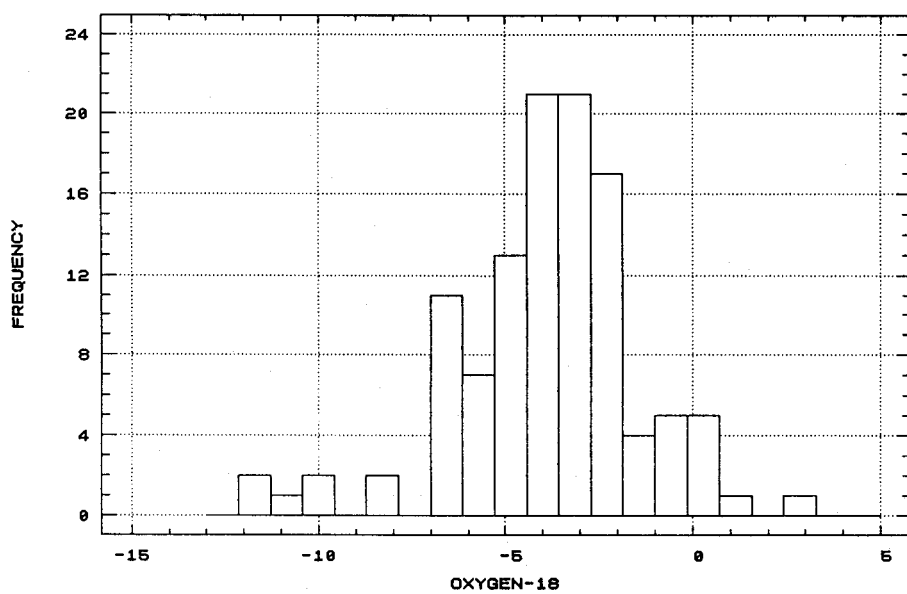
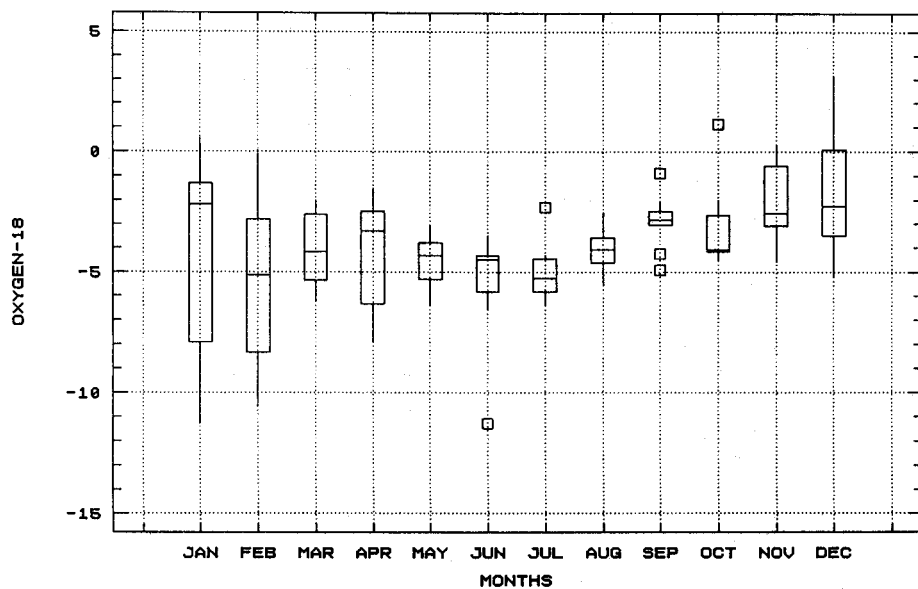
REJECTED VALUES

Year /	Month	Oxygen-18	Deuterium	Tritium	Trit Error
63	/ 12	3.50	11.2		
64	/ 2	1.70	1.2		
66	/ 1	9.20	48.9		
67	/ 3	-0.60	-18.4		

9467500 ADELAIDE, AUSTRALIA

Lat. 34.93S Long. 138.58E Alt. 43 m a.s.l.





9486800 MELBOURNE, AUSTRALIA

Lat. 37.82S Long. 144.97E Alt. 28 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W.	Aver.	W.	Aver.	W.	Aver.	W.	Aver.		
1962	588 (12)	17.2 (42.6/5)	21.7	-4.83 (100.0/12)	-4.32	-29.2 (100.0/12)	-25.9	9.4 (100.0/12)	8.7	15.4 (12)	10.9 (12)
1963	746 (12)	47.2 (98.5/11)	49.9	-4.77 (100.0/12)	-4.35	-28.7 (100.0/12)	-26.0	9.5 (100.0/12)	8.9	15.3 (12)	12.1 (12)
1964	706 (12)	51.9 (89.0/11)	51.0	-6.26 (100.0/12)	-5.85	-37.8 (100.0/12)	-34.9	12.4 (100.0/12)	11.9	14.9 (12)	11.2 (12)
1965	592 (12)	55.3 (99.8/11)	56.0	-5.12 (78.3/9)	-3.74	-27.8 (78.3/9)	-17.5	13.3 (78.3/9)	12.4	15.3 (12)	11.5 (12)
1966	683 (12)	55.5 (100.0/12)	55.3							15.1 (12)	12.0 (12)
1967	334 (12)	55.1 (100.0/12)	51.1			-25.2 (10.1/1)	-25.2			14.9 (12)	11.4 (12)
1968	516 (12)	40.7 (100.0/12)	44.0	-3.54 (27.9/3)	-3.49	-18.7 (27.9/3)	-18.6	9.7 (27.9/3)	9.3	15.7 (12)	11.3 (12)
1969	627 (12)	38.9 (100.0/12)	40.2	-5.91 (63.3/7)	-4.81	-30.2 (86.1/10)	-23.7	11.5 (63.3/7)	10.8	15.3 (12)	11.2 (12)
1970	728 (12)	44.2 (100.0/12)	46.0	-5.23 (100.0/12)	-4.83					15.1 (12)	11.4 (12)
1971	730 (12)	35.7 (100.0/12)	34.4	-5.23 (100.0/12)	-5.20					15.5 (12)	
1972	666 (12)	36.3 (99.6/11)	30.2	-6.30 (86.0/10)	-4.44	3.8 (0.3/1)	3.8	4.4 (0.3/1)	4.4	15.5 (12)	
1973	816 (12)	19.9 (100.0/12)	20.2	-5.99 (100.0/12)	-5.74	-35.5 (100.0/12)	-33.1	12.5 (100.0/12)	12.8	15.5 (12)	
1974	801 (12)	15.5 (100.0/12)	15.9	-6.20 (100.0/12)	-5.49	-36.8 (100.0/12)	-32.0	12.8 (100.0/12)	12.0	15.6 (12)	
1975	709 (12)	18.2 (100.0/12)	16.7	-5.23 (69.2/8)	-3.64	-31.4 (74.3/9)	-22.6	10.5 (69.2/8)	7.9	15.6 (12)	
1976	502 (12)	14.6 (85.8/11)	13.7	-4.37 (85.8/11)	-4.31	-22.8 (85.8/11)	-22.7	12.2 (85.8/11)	11.8	15.4 (12)	
1977	605 (12)	11.6 (100.0/12)	11.3	-4.94 (100.0/12)	-4.03						
1978	967 (12)	10.5 (100.0/12)	10.6	-4.07 (100.0/12)	-4.48	-22.7 (100.0/12)	-25.8	10.0 (100.0/12)	10.0		
1979	543 (12)	11.4 (78.8/9)	11.4	-4.07 (72.1/9)	-3.89	-15.8 (100.0/12)	-15.3	10.9 (72.1/9)	10.8	15.9 (12)	10.8 (12)
1980	645 (12)	8.4 (100.0/12)	8.3	-4.54 (87.7/10)	-4.39	-23.0 (87.7/10)	-22.2	13.4 (87.7/10)	12.9		
1981	602 (12)	7.8 (100.0/12)	8.0	-5.13 (100.0/12)	-4.48	-30.1 (100.0/12)	-25.1	11.0 (100.0/12)	10.9		
1982	424 (12)	7.8 (100.0/12)	8.4	-4.41 (68.8/9)	-4.46	-27.1 (88.9/11)	-27.2	9.8 (68.8/9)	9.6	15.7 (12)	11.0 (12)
1983	612 (12)	8.3 (99.8/11)	8.0	-5.04 (89.7/9)	-5.13	-30.4 (94.9/10)	-31.1	10.2 (89.7/9)	10.3		
1984	559 (12)	6.6 (100.0/12)	6.8	-4.91 (88.9/10)	-4.60	-28.9 (88.9/10)	-26.7	10.4 (88.9/10)	10.2		
1985	679 (12)	6.5 (99.1/11)	6.4	-4.00 (90.7/11)	-4.00	-20.1 (90.7/11)	-20.5	12.0 (90.7/11)	11.5		
1986	487 (12)	5.3 (65.7/8)	5.2	-4.81 (83.3/10)	-4.32	-25.0 (83.3/10)	-21.2	13.5 (83.3/10)	13.5		
1987	655 (12)	6.2 (100.0/12)	6.4	-5.24 (100.0/12)	-5.20	-27.4 (76.3/9)	-27.5	11.6 (76.3/9)	11.5		
Long Term Means 635											
				-5.13	-4.68	-28.2	-25.5	11.5	11.3	15.4	11.4
σ				0.68	0.59	5.7	5.2	1.4	1.4	0.2	0.4

MONTHLY MEANS

Month	Mean		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
	Prec.	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n	Aver.	σ	n
Jan	46	26	-4.07	1.54	21	-19.6	10.4	17	10.1	3.7	17	20.7	1.3	18	13.9	1.1	11
Feb	54	26	-4.65	2.36	21	-28.0	17.8	17	10.3	3.4	17	20.7	1.2	19	14.1	0.9	12
Mar	42	26	-3.64	1.77	21	-18.5	12.5	17	10.2	3.8	17	19.1	1.1	19	13.4	1.5	12
Apr	49	26	-4.86	2.04	21	-26.3	14.3	17	10.4	5.0	16	15.8	1.1	19	11.6	0.6	12
May	70	26	-6.01	1.56	20	-37.4	13.0	16	12.1	3.2	15	13.0	0.8	19	10.1	1.4	12
Jun	40	26	-5.87	1.62	20	-34.9	13.1	16	11.3	5.4	15	10.6	0.8	19	9.3	0.8	12
Jul	47	26	-5.97	1.66	22	-37.4	12.4	19	12.3	3.6	18	10.0	0.9	19	8.8	0.8	12
Aug	57	26	-5.11	1.23	21	-28.9	10.6	17	11.8	2.3	17	11.0	0.6	18	9.2	0.9	12
Sep	55	26	-4.86	2.21	21	-26.9	19.1	18	10.6	2.8	17	12.7	0.9	18	9.8	1.0	12
Oct	66	26	-3.79	1.75	19	-17.4	12.8	18	12.0	3.5	16	14.8	1.0	18	10.8	1.4	12
Nov	55	26	-2.90	1.35	20	-13.2	9.2	19	9.4	4.7	17	16.7	0.9	18	11.8	1.0	12
Dec	56	26	-3.50	1.55	21	-16.9	11.6	20	10.4	3.6	18	18.7	1.1	18	12.5	1.2	12

CORRELATIONS

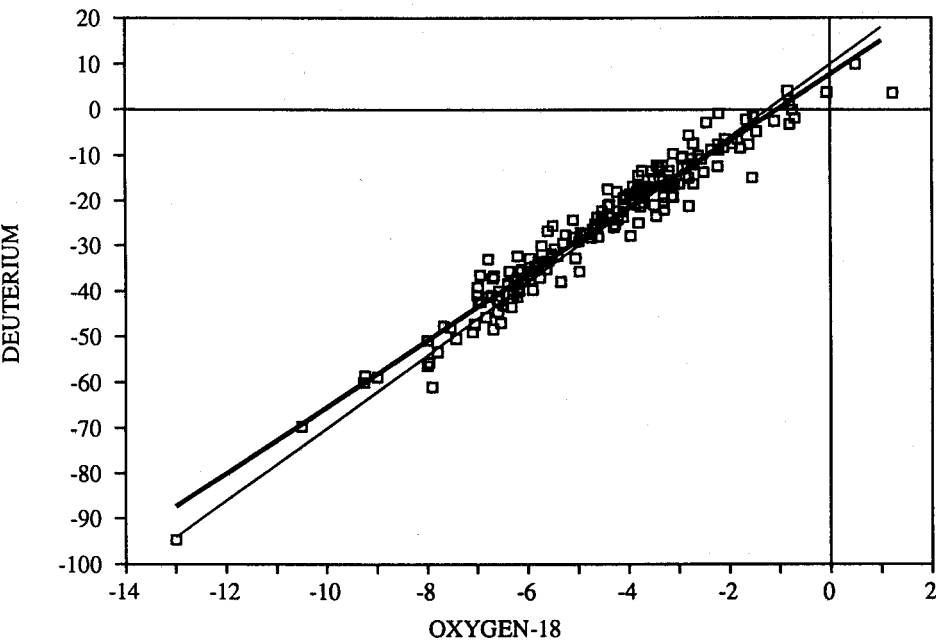
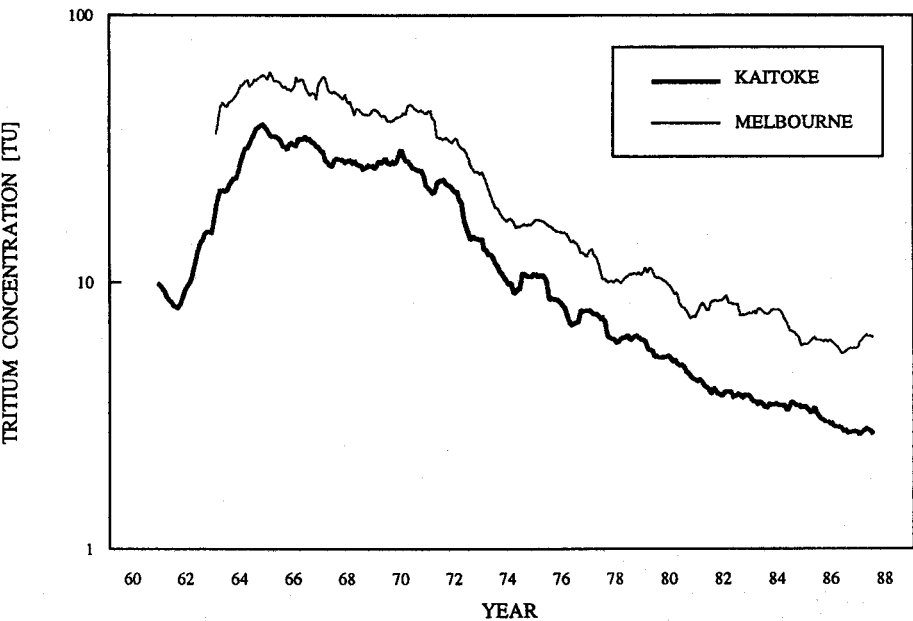
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	289	0.86	0.02	0.39	0.02	0.867	0.14
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	24	0.88	0.03	0.38	0.03	0.974	0.06
3) Monthly Deut vs. Monthly Precipitation	211	-0.14	0.03	-17.38	1.91	0.099	14.53
4) Monthly Oxyg-18 vs. Monthly Prec	248	-0.02	0.00	-3.58	0.21	0.126	1.85
5) Monthly Deut vs. Monthly Temperature	138	1.36	0.36	-46.28	5.65	0.097	15.72
6) Monthly Oxyg-18 vs. Monthly Temp	168	0.16	0.04	-7.10	0.63	0.087	2.03
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	200	7.31	0.12	7.75	0.62	0.946	3.57
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	200	7.52	0.12	8.69	0.67	0.946	3.57

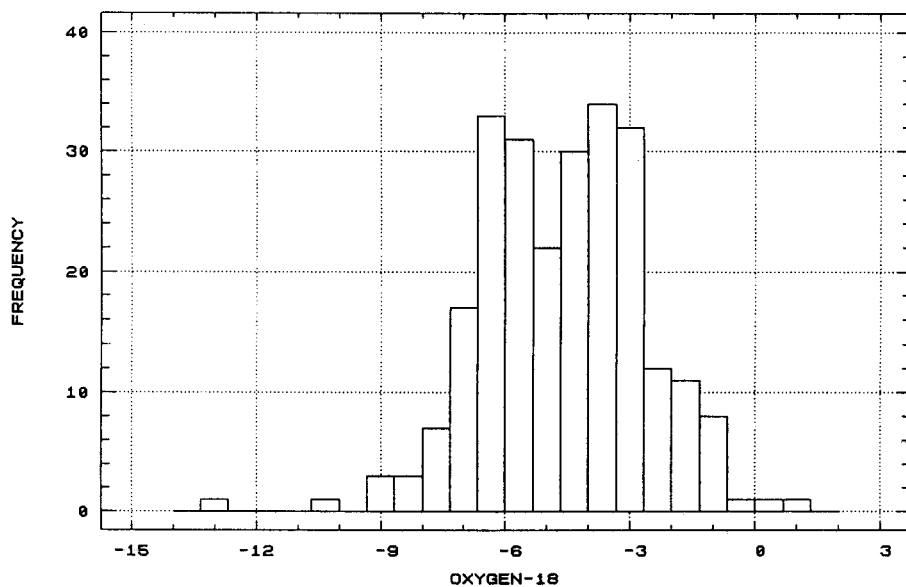
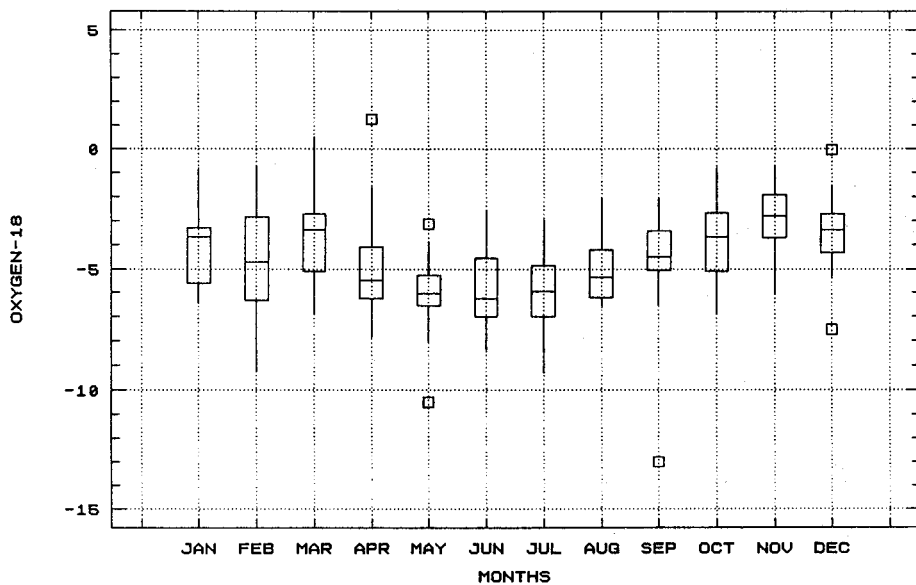
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
69 / 8	-9.71	-33.3		
80 / 1	0.18	-16.1		
80 / 3	-0.86	-27.2		
82 / 12	-4.28	-40.1		
83 / 1	-2.45	-30.5		
84 / 4	-6.80	5.2		
84 / 5	-6.57	5.9		
85 / 6	-8.69	-37.1		

9486800 MELBOURNE, AUSTRALIA

Lat. 37.82S Long. 144.97E Alt. 28 m a.s.l.





9499801 CAPE GRIM, TASMANIA, AUSTRALIA

Lat. 40.68S Long. 144.69E Alt. 90 m a.s.l.

Y E A R L Y M E A N S

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Vap. Pr.	
		W.	Mean Aver.	W.	Mean Aver.	W.	Mean Aver.	W.	Mean Aver.	Aver.	Aver.
1979	1030	9.8	9.2	-4.39	-3.90	-19.3	-16.4	15.8	14.8		
	(11)	(54.3/4)		(54.3/4)		(54.3/4)		(54.3/4)			
1980	778	5.2	5.2	-4.28	-3.67	-22.6	-18.4	11.8	11.0		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1981	854	5.6	5.8	-4.41	-3.72	-25.7	-21.1	9.7	8.7		
	(12)	(98.0/11)		(92.1/10)		(92.1/10)		(92.1/10)			
1982	573	4.4	4.5	-3.88	-3.44	-22.3	-19.1	8.7	8.4		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1983	675	4.8	4.9	-4.42	-3.90	-25.5	-22.0	9.9	9.3		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1984	735	4.2	4.3	-4.59	-3.87	-26.9	-21.9	9.9	9.1		
	(12)	(100.0/12)		(100.0/12)		(100.0/12)		(100.0/12)			
1985	776	4.3	4.4	-4.28	-3.80	-22.4	-19.4	11.9	11.1		
	(12)	(100.0/12)		(88.5/11)		(88.5/11)		(88.5/11)			
1986	781	4.4	4.4	-4.45	-3.86	-24.0	-20.2	11.7	10.7		
	(12)	(100.0/12)		(89.1/11)		(89.1/11)		(89.1/11)			
1987	861	4.2	4.4	-4.82	-4.15	-14.1	-14.6	10.3	9.4	12.3	11.8
	(12)	(100.0/12)		(96.1/11)		(34.2/6)		(34.2/6)		(12)	(12)
Long Term											
Means 782				-4.41	-3.80	-24.3	-20.3	10.6	9.8	12.3	11.8
σ				0.27	0.20	1.9	1.4	1.3	1.1		

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	27	8	-2.60	0.93	8	-12.5	4.7	8	8.3	4.4	8	13.9		1	13.1		1
Feb	26	9	-2.46	1.11	8	-12.7	8.0	8	7.0	3.5	8	14.4		1	13.3		1
Mar	63	9	-3.69	1.31	8	-21.3	11.1	7	6.8	3.9	7	13.2		1	12.3		1
Apr	71	9	-4.14	1.02	8	-21.7	4.6	7	10.4	5.0	7	13.3		1	13.0		1
May	89	9	-4.96	1.49	8	-25.3	6.7	7	11.4	3.2	7	12.1		1	12.4		1
Jun	99	9	-5.27	0.79	7	-31.6	7.0	6	11.5	1.3	6	10.8		1	11.3		1
Jul	87	9	-5.48	0.97	7	-32.3	7.4	6	11.6	1.6	6	9.7		1	10.1		1
Aug	81	9	-4.38	1.00	7	-21.6	8.7	7	13.4	4.8	7	10.2		1	10.2		1
Sep	75	9	-4.03	1.55	9	-20.7	11.7	9	11.5	2.9	9	11.0		1	10.5		1
Oct	65	9	-3.11	1.73	9	-15.3	10.5	9	9.5	4.3	9	11.0	0.4	2	10.7	0.2	2
Nov	51	9	-2.78	0.97	8	-13.7	8.6	8	8.5	3.4	8	12.7	0.7	2	11.6	0.6	2
Dec	49	9	-3.20	0.76	8	-15.6	6.3	8	10.0	3.5	8	13.4	0.2	2	12.4	0.3	2

CORRELATIONS

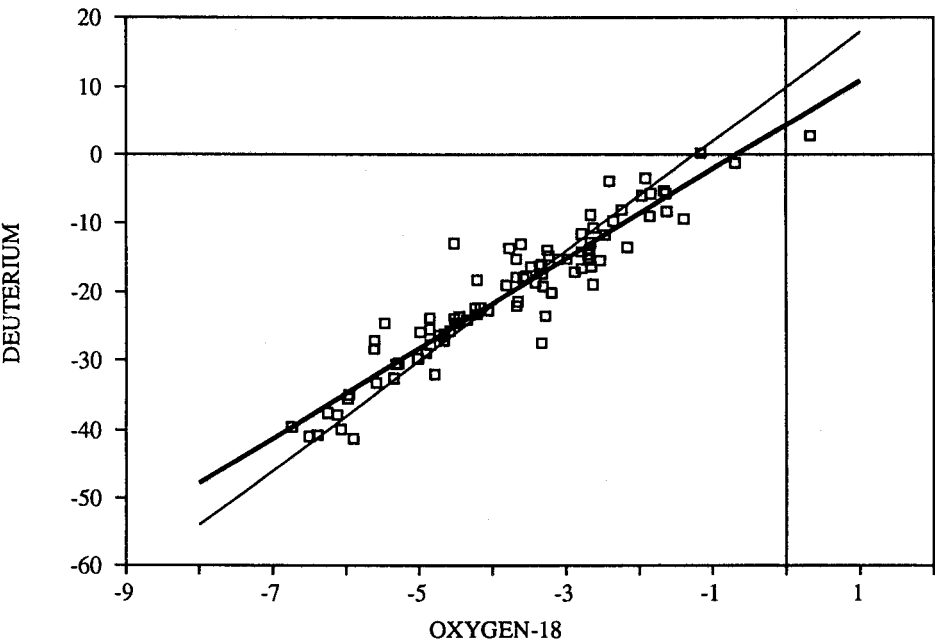
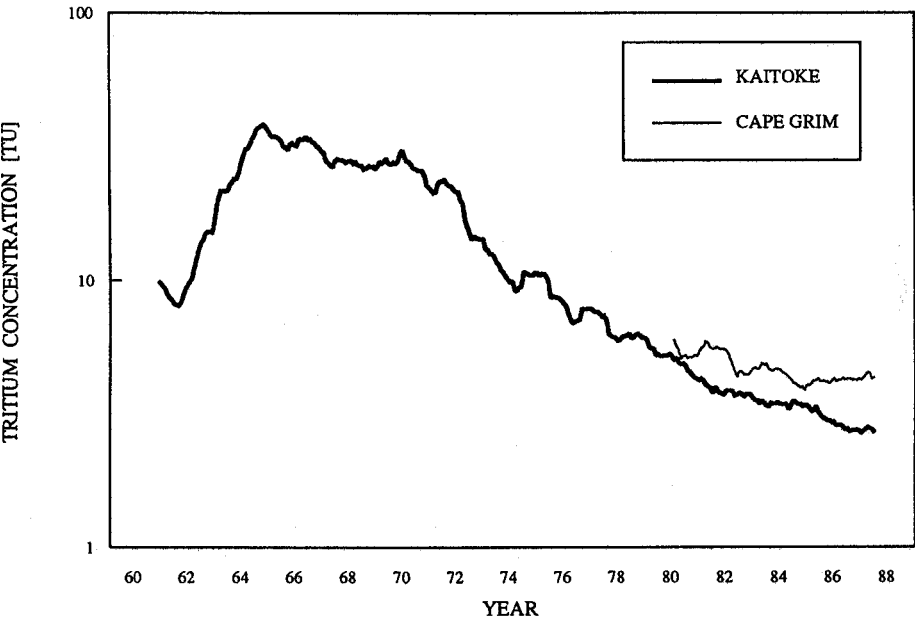
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	99	0.51	0.09	0.39	0.05	0.243	0.11
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	8	0.40	0.16	0.45	0.09	0.501	0.04
3) Monthly Deut vs. Monthly Precipitation	90	-0.17	0.02	-8.91	1.66	0.391	7.88
4) Monthly Oxyg-18 vs. Monthly Prec	95	-0.03	0.00	-1.96	0.22	0.505	1.06
5) Monthly Deut vs. Monthly Temperature	9	-1.93	1.30	8.24	16.53	0.240	4.93
6) Monthly Oxyg-18 vs. Monthly Temp	14	0.15	0.29	-5.90	3.56	0.022	1.47
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	90	6.52	0.25	4.42	0.97	0.889	3.36
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	90	6.91	0.24	5.88	1.03	0.889	3.36

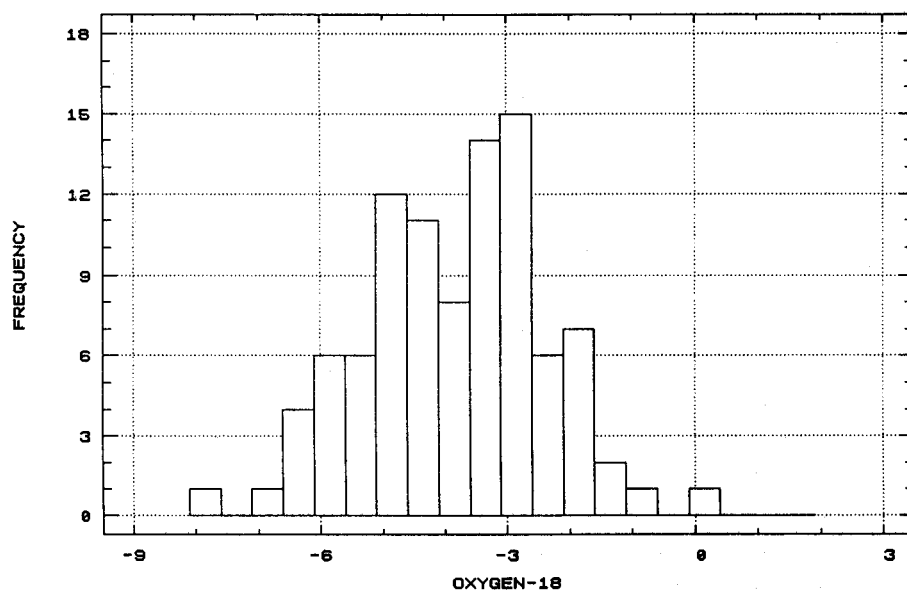
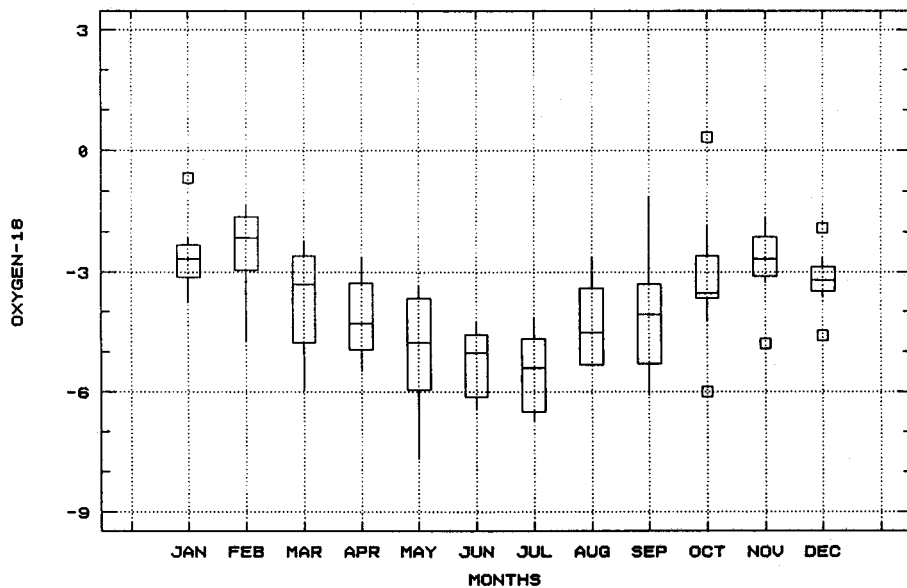
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
81 / 11	2.66	13.1		
85 / 7	-5.98	5.3		
86 / 6	-4.98	-10.6		
87 / 8	-0.36	-11.5		

9499801 CAPE GRIM, TASMANIA, AUSTRALIA

Lat. 40.68S Long. 144.69E Alt. 90 m a.s.l.





9674500 DJAKARTA, INDONESIA

Lat. 6.18S Long. 106.83E Alt. 8 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1962	2264 (12)	101.7 (48.9/6)	145.6	-5.61 (100.0/12)	-5.13	-35.6 (100.0/12)	-31.7	9.4 (100.0/12)	9.3	27.0 (12)	28.4 (12)
1963	1949 (12)	180.2 (72.4/6)	73.8	-6.11 (100.0/10)	-4.01	-40.7 (100.0/10)	-23.3	8.3 (100.0/10)	8.9	27.1 (12)	27.7 (12)
1964	1244 (12)	35.4 (96.7/10)	35.3	-5.17 (100.0/12)	-5.20	-30.4 (100.0/12)	-30.1	11.0 (100.0/12)	11.5	27.1 (12)	28.4 (12)
1965	1982 (12)	22.0 (99.7/11)	21.2	-5.58 (85.0/10)	-4.58	-29.1 (49.1/9)	-21.6	15.4 (49.1/9)	14.2	27.0 (12)	28.0 (12)
1966	1472 (12)	15.4 (62.9/6)	15.4							27.3 (12)	28.6 (12)
1967	1870 (12)									27.2 (12)	27.7 (12)
1968	1953 (12)	14.3 (61.0/10)	15.3							27.0 (12)	28.9 (12)
1969	1457 (12)	11.6 (100.0/12)	12.3							27.6 (12)	29.0 (12)
1970	2215 (12)	13.8 (97.0/9)	12.0							27.2 (12)	28.7 (12)
1971	1853 (12)	13.0 (98.3/10)	11.8							26.9 (12)	28.4 (12)
1972	2366 (12)	9.2 (69.8/6)	9.1							26.8 (12)	28.1 (12)
1973	1904 (12)	7.6 (59.1/9)	7.7	-5.18 (59.1/9)	-5.54	-28.9 (59.1/9)	-31.0	12.6 (59.1/9)	13.3	27.1 (12)	28.2 (12)
1974	2204 (12)	7.0 (100.0/12)	6.9	-5.18 (100.0/12)	-5.17	-34.6 (100.0/12)	-33.2	6.9 (100.0/12)	8.3	26.9 (12)	27.6 (12)
1975	1842 (12)	7.2 (100.0/12)	7.5	-6.38 (100.0/12)	-5.94	-41.4 (100.0/12)	-37.6	9.6 (100.0/12)	10.0	26.9 (12)	27.9 (12)
1976	1994 (12)	7.1 (100.0/11)	6.9	-6.40 (91.3/10)	-5.22	-40.4 (91.3/10)	-33.8	10.9 (91.3/10)	8.0	27.2 (12)	28.4 (12)
1978	2030 (12)	5.4 (59.8/8)	5.5	-6.36 (59.8/8)	-6.47	-39.1 (59.8/8)	-40.2	11.8 (59.8/8)	11.6		
1979	2233 (12)	5.5 (78.2/10)	5.4	-4.82 (78.2/10)	-3.95	-29.8 (92.6/11)	-24.6	9.0 (78.2/10)	7.7	27.6 (12)	27.9 (12)
1980		4.5 (50.6/8)	4.3	-3.57 (50.6/8)	-3.01	-19.5 (50.6/8)	-14.5	9.2 (50.6/8)	9.6		
1981	1375 (4)	4.4 (80.3/7)	4.4	-4.23 (80.3/7)	-4.61	-24.3 (80.3/7)	-27.3	9.6 (80.3/7)	9.6		
1982	673 (5)	3.9 (39.3/5)	3.2	-4.62 (39.3/5)	-4.59	-27.5 (39.3/5)	-26.4	9.5 (39.3/5)	10.4		
1983	714 (6)	4.3 (33.6/5)	5.1	-6.90 (41.7/6)	-6.88	-43.1 (41.7/6)	-42.9	12.1 (41.7/6)	12.2		
1984	1834 (12)	2.9 (73.7/8)	3.0	-6.87 (73.7/8)	-6.63	-43.2 (73.7/8)	-40.9	11.9 (73.7/8)	12.2	27.0 (12)	
1985	2119 (11)	3.7 (100.0/11)	3.8	-5.21 (100.0/11)	-5.13	-29.4 (100.0/11)	-28.9	12.3 (100.0/11)	12.2		
1986	1761 (3)	2.1 (100.0/12)	2.3	-6.00 (93.4/11)	-5.76	-35.5 (100.0/12)	-33.2	11.8 (93.4/11)	12.4		
1987		1.9 (81.6/6)	1.9	-6.00 (87.1/7)	-5.57	-39.0 (87.1/7)	-36.1	9.1 (87.1/7)	8.5		
Long Term											
Means 1710				-5.58	-5.02	-34.8	-30.9	9.7	9.7	27.1	28.2
σ				0.66	0.62	5.6	4.5	1.6	1.6	0.2	0.4

MONTHLY MEANS

Month	Mean Prec.		Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
		<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	379	21	-6.07	1.37	14	-39.3	10.7	13	9.5	3.5	13	26.2	0.6	21	28.5	0.7	19
Feb	304	21	-5.45	0.76	14	-32.8	6.9	14	10.9	2.5	14	26.5	0.5	21	28.9	0.7	19
Mar	242	20	-5.88	1.61	11	-35.4	10.4	12	10.9	3.0	11	26.8	0.4	20	29.0	0.6	18
Apr	122	21	-5.23	1.40	14	-31.1	9.8	14	10.8	3.6	14	27.4	0.3	21	29.4	0.8	19
May	128	21	-5.14	1.58	17	-30.8	10.9	17	10.3	5.0	17	27.6	0.5	21	29.1	0.7	19
Jun	94	20	-4.59	2.12	15	-26.8	14.3	15	9.9	4.4	15	27.1	0.5	20	28.0	0.9	19
Jul	58	21	-5.59	2.68	14	-33.5	22.6	14	11.2	2.4	14	27.0	0.4	21	27.2	0.8	19
Aug	59	19	-3.82	2.40	11	-19.5	17.7	11	11.0	3.6	11	27.2	0.3	18	26.7	0.9	17
Sep	75	20	-4.20	2.30	14	-22.9	18.3	14	10.7	2.1	14	27.4	0.4	20	27.0	0.9	19
Oct	110	20	-5.23	2.08	14	-31.2	17.1	14	10.7	1.7	14	27.6	0.5	20	27.7	0.6	18
Nov	150	21	-4.92	2.72	16	-29.5	20.3	16	9.8	4.6	16	27.3	0.4	21	28.3	0.7	18
Dec	193	20	-5.85	1.94	14	-36.4	14.0	15	10.0	3.9	14	26.8	0.5	20	28.4	0.5	17

CORRELATIONS

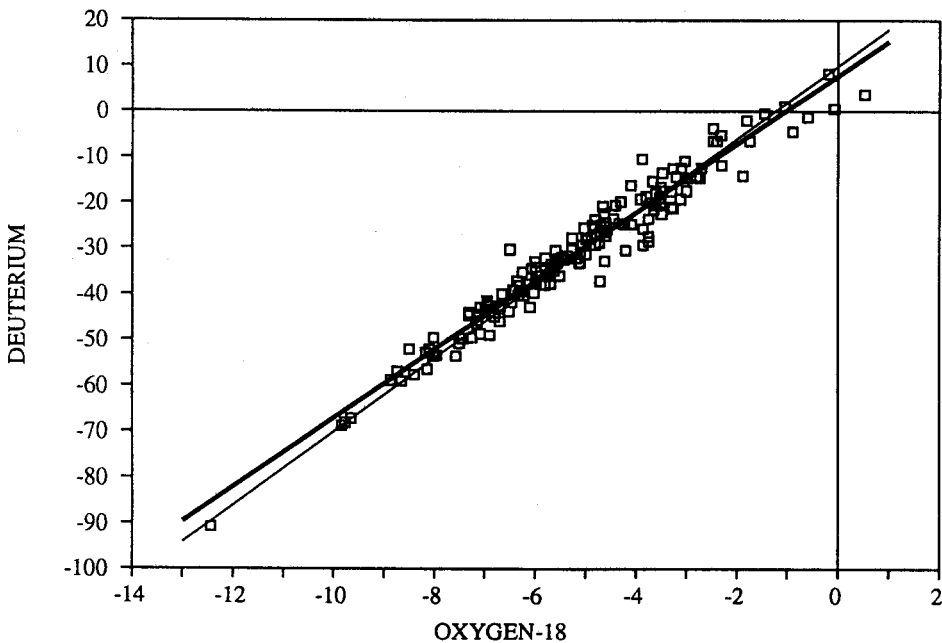
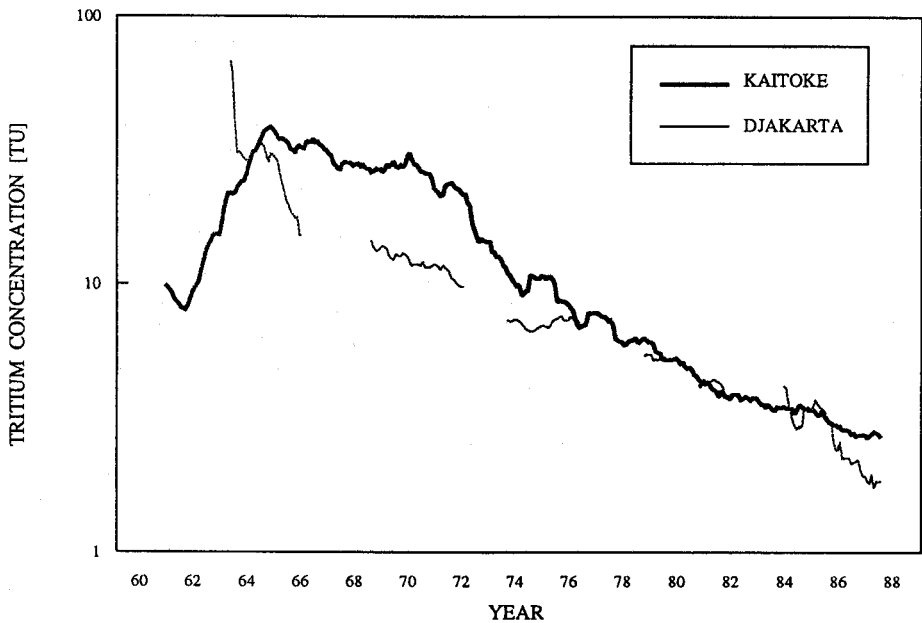
	<i>n</i>	<i>a</i>	σ	<i>b</i>	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	208	0.84	0.08	0.06	0.08	0.350	0.45
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	13	0.80	0.08	0.08	0.09	0.893	0.13
3) Monthly Deut vs. Monthly Precipitation	169	-0.04	0.01	-25.22	1.83	0.086	14.87
4) Monthly Oxyg-18 vs. Monthly Prec	168	-0.00	0.00	-4.54	0.24	0.067	1.97
5) Monthly Deut vs. Monthly Temperature	141	5.75	2.07	-187.21	56.19	0.053	14.92
6) Monthly Oxyg-18 vs. Monthly Temp	140	0.66	0.27	-23.14	7.28	0.042	1.98
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	167	7.48	0.13	7.77	0.71	0.954	3.35
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	167	7.66	0.13	8.69	0.75	0.954	3.35

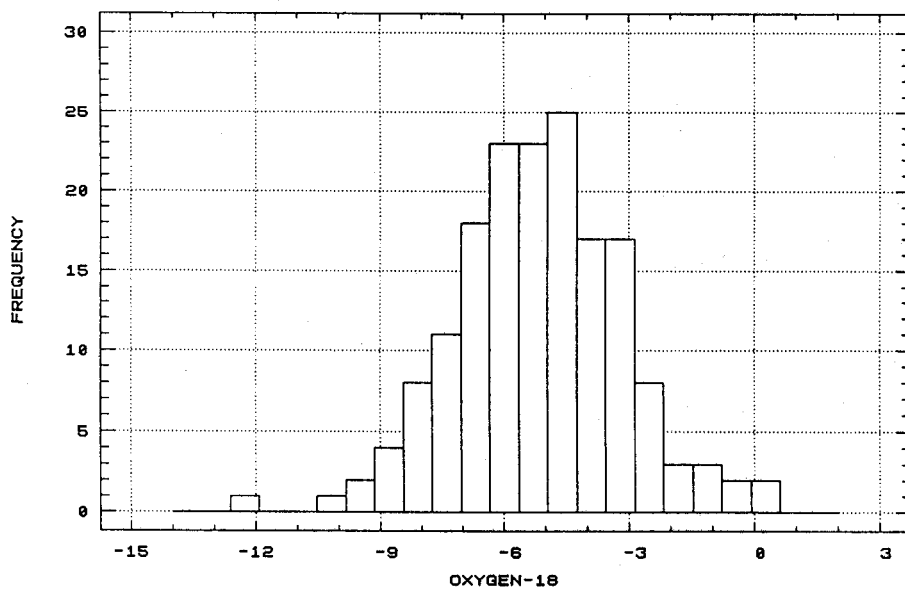
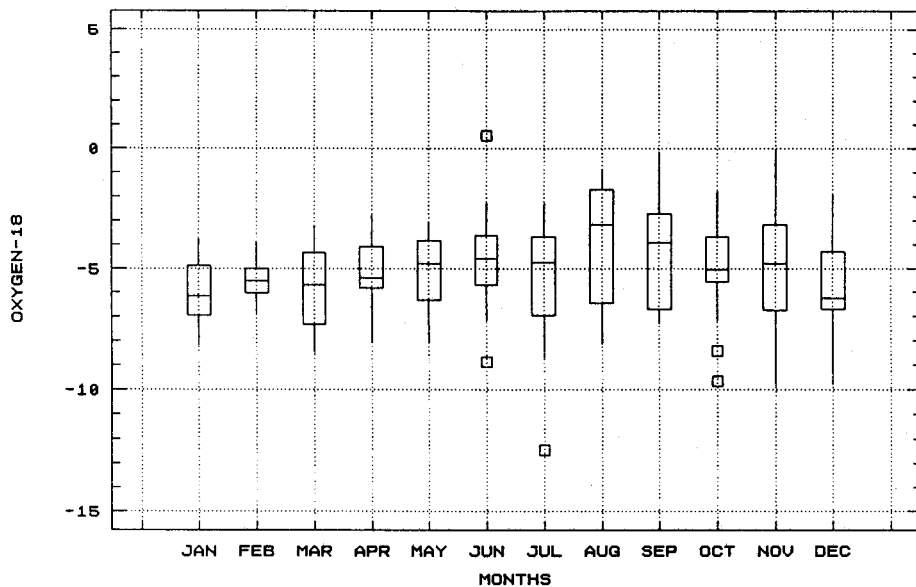
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
70 / 7			38.70	3.8
70 / 8			49.50	5.1
76 / 8	1.39	-6.2		

9674500 DJAKARTA, INDONESIA

Lat. 6.18S Long. 106.83E Alt. 8 m a.s.l.





9769800 DJAJAPURA, INDONESIA

Lat. 2.53S Long. 140.72E Alt. 3 m a.s.l.

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1957	2198 (12)	8.7 (22.2/3)	9.0							26.8 (12)	29.8 (12)
1958	2925 (12)	21.6 (30.9/3)	21.4							26.8 (12)	30.2 (12)
1959	3040 (12)	19.6 (58.8/6)	20.1							26.6 (12)	29.9 (12)
1960	2282 (12)	9.2 (16.0/3)	8.4							26.9 (12)	29.1 (12)
1961	2908 (12)			-6.73 (72.4/9)	-6.76	-46.8 (72.4/9)	-47.1	7.1 (72.4/9)	7.0	26.8 (12)	29.3 (12)
1962	2556 (12)			-6.73 (100.0/12)	-6.52	-45.3 (100.0/12)	-43.6	8.6 (100.0/12)	8.7	26.8 (12)	29.4 (12)
1963	2001 (12)			-6.66 (100.0/12)	-6.38	-43.8 (100.0/12)	-41.8	9.6 (100.0/12)	9.3	26.9 (12)	29.6 (12)
1964	2461 (12)	28.2 (95.5/11)	26.8	-6.40 (71.4/9)	-5.97	-41.7 (71.4/9)	-39.7	9.6 (71.4/9)	8.1	26.9 (12)	30.2 (12)
1965	2940 (12)	9.9 (1.2/1)	9.9	-5.86 (1.2/1)	-5.86	-34.0 (1.2/1)	-34.0	12.9 (1.2/1)	12.9	26.7 (12)	29.4 (12)
1966	2277 (12)	8.6 (100.0/12)	8.4	-7.19 (18.4/2)	-7.22	-46.1 (18.4/2)	-46.1	11.4 (18.4/2)	11.7	27.1 (12)	31.6 (12)
1967	2688 (12)									27.0 (12)	29.7 (12)
1968	1888 (12)			-6.71 (25.2/4)	-6.22	-47.4 (25.2/4)	-43.6	6.3 (25.2/4)	6.2	27.5 (12)	30.6 (12)
1969	2310 (12)			-6.46 (94.0/11)	-6.48	-40.1 (94.0/11)	-40.5	11.6 (94.0/11)	11.4	27.2 (12)	30.6 (12)
1970	2343 (12)			-6.77 (100.0/12)	-6.38	-45.0 (94.7/11)	-41.8	9.6 (94.7/11)	9.5	28.5 (12)	30.2 (12)
1971	3014 (12)			-7.90 (93.5/11)	-7.48					26.8 (12)	30.3 (12)
1972	2377 (12)			-6.02 (88.8/10)	-6.07	-26.9 (8.0/1)	-26.9	9.0 (8.0/1)	9.0	27.0 (12)	28.2 (12)
1973	2612 (12)			-5.04 (100.0/12)	-4.70	-30.9 (100.0/12)	-28.6	9.4 (100.0/12)	9.1	28.0 (12)	29.2 (12)
1974	1752 (12)	5.5 (100.0/12)	5.5	-5.38 (92.1/11)	-5.13	-35.6 (73.6/10)	-33.6	7.4 (73.6/10)	7.2	27.8 (12)	30.9 (12)
1975	2210 (12)	4.4 (100.0/12)	4.3	-5.65 (95.8/11)	-5.20	-35.7 (95.8/11)	-32.6	9.5 (95.8/11)	9.1	27.7 (12)	31.1 (12)
1976	2690 (12)	4.2 (100.0/12)	4.2	-5.97 (100.0/12)	-5.52	-34.7 (100.0/12)	-31.8	13.1 (100.0/12)	12.4	27.4 (12)	29.2 (12)
1977	2040 (12)	4.0 (78.9/10)	3.9	-6.49 (94.5/11)	-6.65	-42.3 (94.5/11)	-43.8	9.7 (94.5/11)	9.4	27.5 (12)	
1978	2146 (12)	3.8 (72.0/9)	3.5	-3.98 (82.1/10)	-3.55	-25.1 (82.1/10)	-21.2	6.7 (82.1/10)	7.3	28.2 (12)	30.8 (12)
1979	2131 (12)	4.3 (100.0/12)	4.0	-3.90 (100.0/12)	-3.88	-27.8 (100.0/12)	-27.9	3.5 (100.0/12)	3.2		
1980	2536 (12)	3.5 (68.0/9)	3.4	-5.26 (100.0/12)	-5.48	-34.7 (100.0/12)	-35.2	7.4 (100.0/12)	8.6	27.1 (12)	29.4 (12)
1981	2446 (12)	3.0 (100.0/12)	2.9	-5.58 (100.0/12)	-4.75					27.7 (12)	29.7 (12)
1982	2178 (6)	3.4 (74.1/9)	3.4	-3.15 (93.3/12)	-2.70	-24.1 (93.3/12)	-20.5	1.2 (93.3/12)	1.2		
1983	2151 (6)	3.0 (25.8/3)	3.0	-2.31 (92.2/12)	-2.10	-16.8 (92.2/12)	-17.4	1.7 (92.2/12)	-0.6		
1984		2.5 (100.0/12)	2.6	-2.42 (100.0/12)	-2.54	-18.6 (100.0/12)	-19.1	0.8 (100.0/12)	1.3		

YEARLY MEANS

Year	Total Prec.	Tritium		Oxygen-18		Deuterium		Deuterium Excess		Temp. Aver.	Vap. Pr. Aver.
		W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.	W. Mean	Aver.		
1985		2.8 (100.0/12)	2.7 (100.0/12)	-4.59 (100.0/12)	-4.68 (100.0/12)	-33.1 (100.0/12)	-33.5 (100.0/12)	3.6 (100.0/12)	4.0 (100.0/12)		
1986		2.5 (100.0/12)	2.5 (100.0/12)	-4.92 (100.0/12)	-4.70 (100.0/12)	-35.0 (100.0/12)	-33.3 (100.0/12)	4.4 (100.0/12)	4.3 (100.0/12)		
1987		2.1 (100.0/12)	2.0 (100.0/12)	-4.05 (100.0/12)	-3.78 (100.0/12)	-26.1 (100.0/12)	-24.7 (100.0/12)	6.4 (100.0/12)	5.6 (100.0/12)		
Long Term Means 2332											
				-5.24	-4.98	-32.9	-31.6	6.9	6.7	27.2	29.9
σ				1.49	1.48	8.8	8.8	3.8	3.8	0.5	0.7

MONTHLY MEANS

Month	Mean Prec.	<i>n</i>	Oxygen-18			Deuterium			Deuterium Excess			Temperature			Vapour Pr.		
			Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>	Aver.	σ	<i>n</i>
Jan	316	27	-5.20	1.95	22	-30.9	12.0	19	7.2	3.5	19	27.1	0.6	27	29.8	1.1	26
Feb	260	27	-5.50	2.20	23	-35.4	17.6	20	7.3	5.0	20	26.8	0.7	27	29.5	1.6	26
Mar	274	27	-5.46	2.31	22	-36.7	16.2	18	6.3	6.3	18	27.1	0.7	27	30.3	1.5	26
Apr	232	25	-6.38	2.22	23	-43.6	15.3	20	6.4	6.0	20	27.5	0.7	25	30.9	1.3	24
May	170	25	-5.16	2.26	21	-32.7	11.2	18	5.9	6.2	18	27.3	0.8	25	30.3	1.5	24
Jun	171	25	-4.99	2.40	22	-29.7	14.3	18	5.0	5.8	18	27.3	0.8	25	30.2	1.8	24
Jul	126	26	-5.03	2.20	23	-33.3	16.3	20	6.8	5.8	20	26.9	0.8	25	29.5	1.6	23
Aug	140	26	-3.86	2.08	20	-26.7	14.9	17	5.2	4.6	17	27.1	0.8	25	29.6	1.2	23
Sep	153	26	-3.79	2.67	22	-26.1	16.7	20	6.4	6.3	20	27.4	1.0	25	29.8	1.2	23
Oct	155	26	-4.86	2.29	23	-29.6	16.3	21	8.5	5.5	21	27.3	0.7	26	29.6	1.5	25
Nov	176	26	-5.14	2.13	23	-31.9	11.7	21	7.8	7.1	21	27.4	1.1	26	29.7	0.9	25
Dec	239	26	-5.50	2.20	24	-36.2	15.4	22	7.6	5.1	22	27.3	1.0	26	29.7	1.0	25

CORRELATIONS

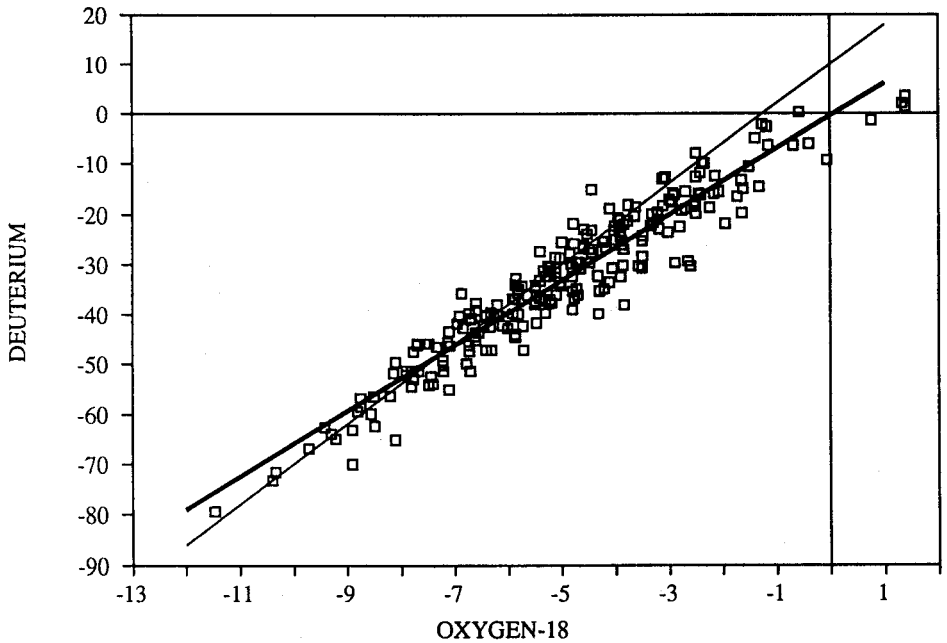
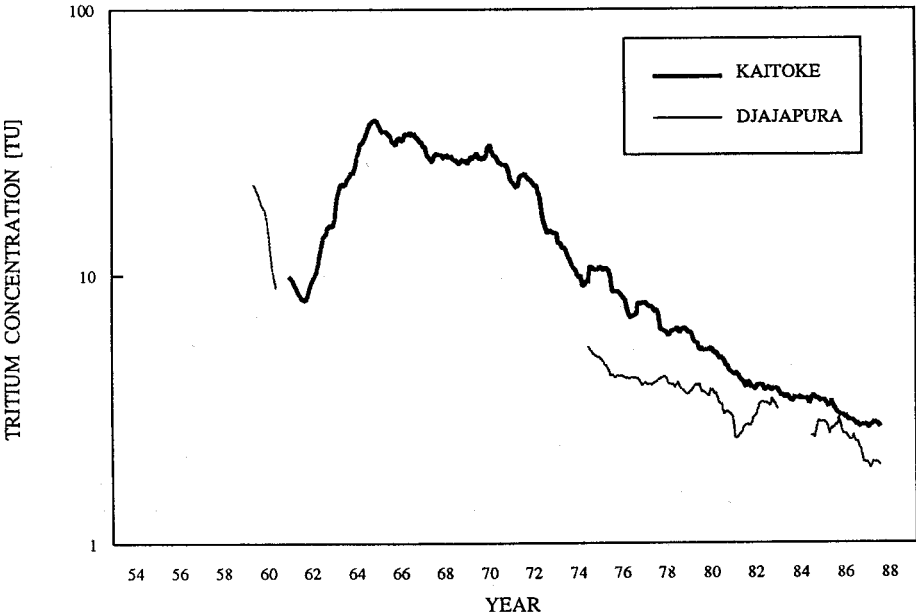
	n	a	σ	b	σ	r^2	S.E.E.
1) Monthly log T.U. vs. Monthly log T.U. of Kaitoke	171	0.67	0.04	0.06	0.04	0.587	0.20
2) log Yearly Weighted T.U. Mean vs. log Yearly Weighted T.U. Mean of Kaitoke	12	0.73	0.09	0.03	0.08	0.860	0.12
3) Monthly Deut vs. Monthly Precipitation	234	-0.03	0.01	-26.90	2.29	0.034	15.13
4) Monthly Oxyg-18 vs. Monthly Prec	268	-0.01	0.00	-3.97	0.31	0.057	2.24
5) Monthly Deut vs. Monthly Temperature	171	2.93	1.30	-115.42	35.67	0.029	15.33
6) Monthly Oxyg-18 vs. Monthly Temp	205	0.54	0.17	-20.38	4.77	0.046	2.14
7) Monthly Deut vs. Monthly Oxyg-18 (LSF)	234	6.55	0.14	-0.42	0.73	0.910	4.61
8) Monthly Deut vs. Monthly Oxyg-18 (RMA)	234	6.87	0.13	1.14	0.79	0.910	4.61

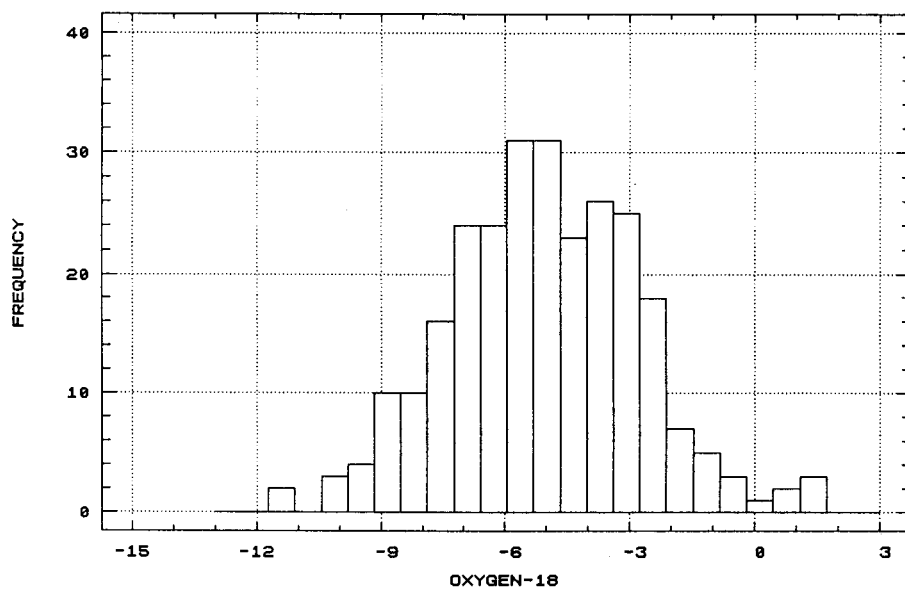
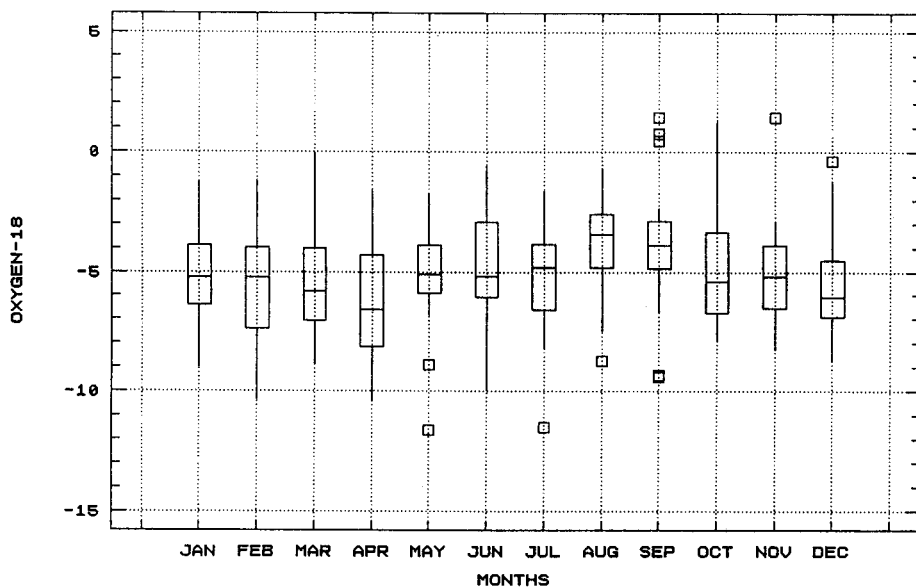
REJECTED VALUES

Year / Month	Oxygen-18	Deuterium	Tritium	Trit Error
74 / 5	-3.12	-43.5		
75 / 5	-7.02	-15.2		
82 / 9			14.80	3.3

9769800 DJAJAPURA, INDONESIA

Lat. 2.53S Long. 140.72E Alt. 3 m a.s.l.





DATA SUMMARY

The following table summarizes basic data for each of the 180 stations considered in this volume. It contains the following information:

Column 1	Station code
Column 2	Station name
Columns 3-4	Geographical co-ordinates (in degrees and hundredths)
Column 5	Altitude (metres above sea level)
Columns 6-7	Long term arithmetic and weighted means of ^{18}O content in precipitation (weighting is by amount of precipitation)
Columns 8-9	Maximum and minimum values of ^{18}O in the record
Column 10	Number of monthly ^{18}O data in the record
Column 11	Beginning of ^{18}O record (year-month)
Column 12	End of ^{18}O record (year-month) (asterisk indicates that the station is continuing operation)
Columns 13-19	The same as columns 6-12, but for deuterium
Column 20	Number of monthly tritium data in the record
Column 21	Beginning of tritium record (year-month)
Column 22	End of tritium record (year-month) (asterisk indicates that the station is continuing operation)
Column 23	Long term annual mean of precipitation amount (mm)
Column 24	Long term annual mean of surface air temperature ($^{\circ}\text{C}$)
Column 25	Long term annual mean of vapour pressure (mbar)

Station code	Station name	Lat.	Long.	Alt.	Oxygen-18						
					Mean	W. Mean	Max.	Min.	n	Start	End
7045400	Adak, Alaska, USA	51.88N	176.65W	4	-8.83	-8.89	-4.30	-14.80	66	63-10	73-05
1735000	Adana, Turkey	36.98N	35.30E	73	-4.70	-5.50	-0.20	-10.75	91	64-03	87-12*
6345000	Addis Ababa, Ethiopia	9.00N	38.73E	2360	-0.36	-1.31	6.13	-6.93	102	61-03	87-09*
9467500	Adelaide, Australia	34.93S	138.58E	43	-4.06	-4.63	3.16	-11.30	111	63-11	84-12*
0776100	Ajaccio (Campo del Oro), France	41.92N	8.80E	5	—	—	—	—	—	—	—
7236500	Albuquerque, New Mexico, USA	35.05N	106.62W	1619	—	—	—	—	—	—	—
9432600	Alice Springs, Australia	23.80S	133.88E	546	-2.84	-6.70	7.60	-15.41	153	62-03	87-09*
7027300	Anchorage, Alaska, USA	61.17N	150.02W	35	—	—	—	—	—	—	—
1713000	Ankara (Central), Turkey	39.95N	32.88E	902	-7.52	-8.34	-0.01	-17.65	212	63-07	87-12*
1730000	Antalya, Turkey	36.88N	30.70E	49	-4.70	-5.62	0.68	-10.95	139	63-05	87-12*
6708500	Antananarivo, Madagascar	18.90S	47.53E	1300	-4.95	-6.41	0.31	-18.75	70	61-12	75-03
9176200	Apia, Western Samoa	13.80S	171.78W	2	-3.75	-4.48	0.21	-10.28	111	62-10	77-09
8895200	Argentine Island (Antarctic), UK	65.25S	64.27W	0	-10.54	-10.80	-2.32	-20.51	278	64-10	87-12*
2255000	Arkhangelsk, Russian Federation	64.58N	40.50E	13	-13.21	-12.77	-5.70	-21.20	55	80-04	84-12*
6190000	Ascension Island (Atlantic Oc.), UK	7.92S	14.42W	15	0.29	-0.76	2.55	-3.50	73	61-12	76-06
1032500	Bad Salzuflen, Germany	52.10N	8.73E	100	-7.99	-8.22	-2.67	-14.00	117	78-12	87-12*
4042700	Bahrain, Bahrain	26.27N	50.62E	2	0.57	-0.97	6.34	-5.30	89	61-11	87-03*
6129000	Bamako, Mali	12.63N	8.03E	329	-1.88	-4.44	9.74	-10.70	111	62-05	79-08
4845500	Bangkok, Thailand	13.73N	100.50E	2	-4.84	-6.60	3.88	-11.21	185	68-07	87-11*
7895400	Barbados (Seawell Airport), Barbados	13.07N	59.48W	50	-1.03	-1.14	4.87	-6.44	186	61-02	87-12*
0818001	Barcelona, Spain	41.38N	2.12E	65	-5.23	-6.11	-0.20	-12.30	35	84-01	87-02*
8002800	Barranquilla, Colombia	10.88N	74.78W	14	-4.60	-5.09	2.96	-14.62	85	71-07	87-06*
7002600	Barrow, Alaska, USA	71.30N	156.78W	7	-18.54	-19.61	-4.20	-34.41	48	62-02	69-10
8219100	Belém, Brazil	1.43S	48.48W	24	-1.78	-2.71	5.71	-15.50	233	65-03	87-09*
1038400	Berlin, Germany	52.47N	13.40E	50	-8.66	-8.67	-1.84	-21.83	113	78-03	87-12*
7801600	Bermuda Island (Atlantic Oc.), USA	32.37N	64.68W	6	-3.35	-3.53	0.90	-5.70	46	65-02	66-01
0663000	Bern, Switzerland	46.92N	7.50E	511	-10.40	-10.25	-3.60	-18.09	204	71-01	87-12*

Deuterium							Tritium			Prec. Mean	Temp. Mean	Vap.Pr. Mean
Mean	W. Mean	Max.	Min.	n	Start	End	n	Start	End			
-64.2	-64.40	-33.5	-111.4	58	63-07	73-05	115	62-03	73-05	1466	4.8	7.3
-24.3	-28.00	8.3	-56.7	82	64-03	87-12*	180	63-03	87-12*	659	19.0	15.3
8.5	1.80	42.7	-37.9	94	61-03	87-09*	76	64-12	87-10*	1181	16.3	11.0
-20.7	-25.30	18.8	-76.9	121	63-11	84-12*	174	62-04	86-12*	493	17.0	11.5
—	—	—	—	—	—	—	101	65-12	80-01	668	14.5	13.9
—	—	—	—	—	—	—	276	62-07	87-12*	224	13.4	6.4
-14.8	-37.80	47.2	-111.2	137	62-03	87-09*	103	64-04	86-12*	298	20.8	9.4
—	—	—	—	—	—	—	224	66-07	87-12*	367	2.2	6.2
-51.6	-56.70	4.5	-126.2	186	64-03	87-12*	196	63-06	87-09*	401	11.7	8.3
-24.6	-28.50	14.5	-64.2	130	63-05	87-12*	165	63-07	87-12*	1098	18.5	14.2
-26.4	-36.00	13.2	-138.5	66	61-12	74-12	101	62-01	75-03	1390	17.8	15.9
-17.8	-23.30	11.1	-68.4	108	62-10	77-09	163	63-01	76-12	3024	26.4	28.6
-84.5	-85.50	-36.3	-161.6	259	64-10	87-12*	261	64-05	87-12*	363	-4.0	4.1
-99.8	-95.20	-28.0	-162.0	40	81-02	84-09*	139	69-07	84-12*	548	1.2	6.4
10.0	2.50	21.1	-12.4	74	61-12	76-06	95	62-09	76-06	238	25.5	22.1
-56.2	-58.10	-19.1	-103.8	116	78-12	87-12*	117	87-12	87-12*	859	8.8	—
13.6	4.60	45.3	-33.9	91	61-11	87-03*	65	61-12	87-03*	66	26.5	23.5
-15.8	-30.70	62.4	-77.5	103	62-05	79-08	101	63-04	79-09	917	27.6	18.4
-31.9	-43.60	27.7	-76.8	157	68-08	87-11*	178	68-07	87-11*	1425	28.2	29.1
-0.9	-4.00	30.9	-40.5	188	61-02	87-12*	252	59-05	87-12*	1257	26.6	26.9
-27.7	-38.20	-0.9	-90.5	21	85-04	87-02*	123	72-06	87-02*	520	16.1	13.0
-29.3	-33.90	30.7	-111.0	77	72-08	87-06*	100	71-08	87-06*	743	27.4	28.9
-132.9	-131.10	-18.2	-223.3	50	62-02	69-11	—	—	—	133	-12.7	2.9
-6.4	-13.90	33.1	-118.0	200	65-03	87-02*	195	65-03	83-05*	2845	26.0	29.6
-61.4	-61.60	-14.7	-167.5	112	78-03	87-12*	111	78-03	87-12*	584	8.7	9.0
-16.1	-16.70	-0.6	-36.6	42	62-03	65-12	66	62-07	67-12	1372	21.5	18.3
—	—	—	—	—	—	—	222	69-06	87-12*	1090	8.5	8.3

Station code	Station name	Lat.	Long.	Alt.	Oxygen-18						
					Mean	W. Mean	Max.	Min.	n	Start	End
4017900	Bet Dagan, Israel	32.00N	34.80E	30	-4.52	-5.35	-0.30	-9.21	137	60-11	87-12*
7021900	Bethel, Alaska, USA	60.78N	161.80W	41	-12.52	-11.95	-4.80	-23.00	48	66-02	66-02
7276400	Bismarck, North Dakota, USA	46.77N	100.75W	502	—	—	-22.20	-22.20	1	69-01	69-01
8022200	Bogotá, Colombia	4.70N	74.13W	2547	-8.35	-9.50	-0.10	-21.07	120	71-08	87-06*
4305700	Bombay, India	18.90N	72.82E	10	-1.72	-1.51	0.80	-7.80	50	61-06	77-09
7250900	Boston, Massachusetts, USA	42.37N	71.03W	5	—	—	—	—	—	—	—
8337800	Brasilia (Airport), Brazil	15.85S	47.93W	1061	-4.07	-4.96	2.76	-14.73	135	65-03	87-06*
1034800	Braunschweig, Germany	52.30N	10.45E	88	-7.98	-8.10	-1.82	-15.35	116	78-01	87-12*
9457600	Brisbane, Australia	27.43S	153.08E	0	-3.50	-4.49	3.55	-13.90	224	63-01	87-12*
1284300	Budapest (Lörinc), Hungary	47.43N	19.22E	139	—	—	—	—	—	—	—
8758500	Buenos Aires, Argentina	34.58S	58.48W	24	-5.03	-5.01	-0.90	-11.20	106	61-07	85-04
9394400	Campbell Island (Pacific Oc.), New Zealand	52.55S	169.15E	15	—	—	—	—	—	—	—
9499801	Cape Grim, Tasmania, Australia	40.68S	144.69E	90	-3.80	-4.41	0.33	-7.66	95	79-09	87-12*
8140500	Cayenne, French Guiana, France	4.83N	52.37W	8	-1.67	-2.09	2.41	-5.43	91	62-05	75-08
8259800	Ceará Mirim, Brazil	5.80S	35.20W	8	-1.58	-2.30	0.60	-6.25	148	61-12	82-12*
7253400	Chicago (Midway), Illinois, USA	41.78N	87.75W	189	-6.90	-6.04	2.50	-22.63	192	62-01	79-10
7622500	Chihuahua, Mexico	28.63N	106.07W	1423	-6.41	-6.69	-0.03	-14.34	127	62-06	87-08*
7252101	Coshocton, Ohio, USA	40.37N	81.80W	344	-7.90	-7.49	-1.24	-17.65	63	66-06	71-06
8336100	Cuiabá, Brazil	15.60S	56.10W	165	-4.07	-5.33	5.20	-15.80	167	61-11	82-07*
1013100	Cuxhaven, Germany	53.87N	8.72E	12	-7.20	-7.29	-2.14	-15.61	117	78-01	87-12*
6389400	Dar es Salaam, United Rep. Tanzania	6.88S	39.20E	55	-2.03	-2.83	2.60	-8.95	126	61-01	73-10
9412000	Darwin, Australia	12.43S	130.87E	26	-3.49	-4.90	4.36	-12.52	159	62-04	87-12*
7420500	Destruction Island (Pacific Oc.), USA	47.67N	124.48W	21	-6.88	-7.47	-2.50	-11.10	48	62-04	66-03
6196700	Diego Garcia Island (Indian Oc.), USA	7.32S	72.40E	1	-3.46	-4.03	2.34	-8.74	180	62-02	87-12*
9769800	Djajapura, Indonesia	2.53S	140.72E	3	-4.98	-5.24	1.39	-11.61	268	61-02	87-12*
9674500	Djakarta, Indonesia	6.18S	106.83E	8	-5.02	-5.58	0.52	-12.44	166	63-07	87-12*
2307400	Dudinka, Russian Federation	69.24N	86.10E	0	—	—	—	—	—	—	—

Deuterium							Tritium			Prec.	Temp.	Vap.Pr.
Mean	W. Mean	Max.	Min.	n	Start	End	n	Start	End	Mean	Mean	Mean
-17.1	-21.80	10.9	-47.5	99	60-11	87-12*	172	60-11	87-12*	557	19.2	15.9
-98.7	-94.50	-58.9	-163.2	45	65-12	65-12	78	62-02	68-12	325	-1.9	5.0
—	—	-174.5	-174.5	1	69-01	69-01	244	63-02	84-07*	398	5.0	7.2
-57.1	-65.50	6.1	-156.4	113	72-06	87-06*	156	71-07	87-06*	781	13.2	12.1
-5.1	-4.10	17.3	-63.2	48	61-06	77-09	69	61-06	78-09	1984	27.4	26.9
—	—	—	—	—	—	—	274	76-02	86-10*	1041	10.7	10.1
-22.2	-29.90	26.1	-107.6	123	65-03	87-06*	103	65-01	76-12*	1474	20.6	16.6
-57.6	-58.50	-8.8	-117.4	114	78-01	87-12*	114	78-01	87-12*	643	8.3	—
-13.3	-21.10	15.5	-93.3	215	63-01	87-12*	287	63-01	87-12*	1197	21.0	16.5
—	—	—	—	—	—	—	120	77-07	87-12*	459	10.2	9.7
-26.1	-26.00	6.3	-85.0	87	61-07	84-12	83	59-04	85-08*	1113	17.5	14.9
—	—	—	—	—	—	—	148	63-12	77-01	1257	7.0	8.6
-20.3	-24.30	2.8	-41.2	90	79-09	87-12*	99	79-09	87-12*	782	12.3	11.8
-7.6	-10.00	8.7	-26.7	60	62-05	75-08	93	63-01	75-09	3737	25.5	28.0
-3.1	-9.10	17.4	-39.2	115	61-12	82-12*	157	61-12	82-12	1324	25.7	25.6
-50.0	-43.00	4.9	-165.3	170	62-01	79-10	210	62-01	79-12	908	10.2	10.0
-41.7	-42.90	9.9	-96.9	122	62-06	87-08*	94	64-07	87-08*	345	18.2	10.8
-50.7	-47.30	3.6	-125.7	61	66-06	71-06	65	69-12	71-09	977	—	—
-22.5	-31.90	47.0	-111.4	153	61-11	82-07*	154	65-03	82-07	1273	25.8	24.2
-51.8	-52.10	-15.0	-120.3	116	78-01	87-12*	115	78-01	87-12*	829	8.3	—
-7.1	-13.30	18.7	-62.6	119	61-01	73-10	122	60-03	73-10	1139	25.7	25.6
-18.7	-28.20	24.3	-101.1	144	63-01	87-12*	199	63-02	87-12*	1775	27.7	24.8
-49.5	-52.90	-14.9	-84.9	48	62-04	66-03	—	—	—	2012	—	—
-20.0	-23.70	13.2	-66.4	168	62-02	87-12*	162	62-05	87-12*	2195	26.9	29.0
-31.6	-32.90	3.5	-79.4	234	61-02	87-12*	187	57-07	87-12*	2332	27.2	29.9
-30.9	-34.80	8.3	-90.7	166	63-07	87-12*	208	62-03	87-12*	1710	27.1	28.2
—	—	—	—	—	—	—	104	73-06	83-12*	509	-9.9	4.2

Station code	Station name	Lat.	Long.	Alt.	Oxygen-18						
					Mean	W. Mean	Max.	Min.	n	Start	End
1040600	Emmerich, Germany	51.83N	6.60E	43	-6.98	-7.30	-2.60	-11.47	94	80-01	87-12*
2926300	Enisejsk, Russian Federation	58.27N	92.09E	98	—	—	—	—	—	—	—
6370500	Entebbe (Airport), Uganda	0.05N	32.45E	1155	-2.26	-2.91	2.91	-11.60	120	61-02	74-09
0855400	Faro, Portugal	37.01N	7.96W	9	-3.93	-4.39	0.27	-8.13	68	78-11	87-12*
7237500	Flagstaff, Arizona, USA	35.13N	111.67W	2137	-7.26	-8.07	7.90	-20.40	114	61-12	74-07
8239700	Fortaleza, Brazil	3.72S	38.55W	27	-1.83	-2.65	0.62	-8.60	126	65-04	85-12*
1058201	Freiberg, Germany	50.55N	13.21E	300	—	—	—	—	—	—	—
9164300	Funafuti Atoll (Pacific Oc.), Tuvalu	8.52S	179.22E	4	—	—	—	—	—	—	—
1096300	Garmisch-Partenkirchen, Germany	47.48N	11.07E	720	-11.49	-10.95	-4.83	-19.18	117	84-12	87-12*
1612000	Genoa (Sestri), Italy	44.42N	8.85E	2	-5.41	-5.78	-1.24	-12.70	216	61-11	87-12*
0849500	Gibraltar, UK	36.15N	5.35W	5	-4.18	-4.70	0.00	-8.05	145	61-10	87-12*
6890600	Gough Island (Atlantic Oc.), South Africa	40.35S	9.88W	54	-3.63	-3.73	-0.02	-6.85	236	61-04	87-09*
0665701	Grimmel, Switzerland	46.57N	8.33E	1950	-14.23	-14.69	-6.05	-22.94	209	70-08	87-12*
0628001	Groningen, Netherlands	53.21N	6.57E	0	-7.70	-7.84	-2.50	-13.18	284	64-03	87-12*
0426100	Grønneidal, Greenland, Denmark	61.22N	48.12W	27	-11.47	-11.29	-6.30	-22.70	95	61-03	74-08
0665702	Guttannen, Switzerland	46.65N	8.30E	1055	-13.06	-12.87	-4.75	-21.56	208	70-08	87-12*
3173500	Habarovsk, Russian Federation	48.52N	135.17E	72	-16.13	-14.30	-6.50	-22.80	11	71-01	71-12
8902200	Halley Bay (Antarctic), UK	75.50S	26.65W	0	-20.87	-20.67	-5.66	-36.38	232	65-07	87-12*
4015301	Har Kna'an (Tirat Yael), Israel	32.97N	35.50E	964	-6.21	-6.74	-2.80	-9.23	77	64-03	87-12*
6777400	Harare, Zimbabwe	17.83S	31.02E	1471	-3.88	-6.14	4.50	-14.36	175	60-11	83-12*
7230400	Hatteras, North Carolina, USA	35.27N	77.55W	3	-3.82	-4.29	1.05	-9.80	93	62-01	76-12
9128500	Hawaii (Hilo), USA	19.72N	155.07W	9	-2.02	-2.29	0.20	-4.70	87	62-02	69-10
1096200	Hohenpeißenberg, Germany	47.80N	11.02E	977	-11.93	-11.38	-5.38	-20.62	168	74-01	87-12*
3212800	Holmsk, Russian Federation	47.03N	142.03E	29	—	—	—	—	—	—	—
4500400	Hong Kong, UK	22.32N	114.17E	65	-5.01	-6.70	2.65	-13.10	191	61-12	87-11*
7880600	Howard AFB, Panama (Canal Zone), USA	8.92N	79.60W	13	-4.56	-5.65	3.17	-12.93	165	68-07	87-12*
9384400	Invercargill, New Zealand	46.42S	168.32E	2	-6.95	-7.11	-3.60	-11.55	113	77-04	87-12*

Deuterium							Tritium			Prec. Mean	Temp. Mean	Vap.Pr. Mean
Mean	W. Mean	Max.	Min.	n	Start	End	n	Start	End			
-50.0	-52.50	-16.0	-89.3	94	80-01	87-12*	109	78-07	87-12*	744	9.1	—
—	—	—	—	—	—	—	109	73-04	83-11*	476	-1.8	6.1
-5.8	-11.20	22.8	-81.2	114	60-03	74-09	124	60-03	74-11	1613	21.6	20.5
-21.7	-25.20	4.1	-46.5	63	78-11	87-12*	62	78-11	87-12*	365	17.5	14.0
-59.8	-65.90	11.2	-158.2	101	61-12	74-07	92	62-01	74-07	533	7.5	5.5
-4.4	-11.80	9.2	-54.5	97	65-04	84-12*	114	65-04	76-12	1705	26.4	27.3
—	—	—	—	—	—	—	183	69-03	87-12*	753	7.9	8.0
—	—	—	—	—	—	—	148	66-07	87-12*	3071	28.0	30.8
-84.6	-79.90	-27.3	-148.1	116	84-12	87-12*	117	78-01	87-12*	1383	6.4	—
-33.1	-35.10	2.6	-91.0	216	61-11	87-12*	277	61-11	87-12*	1117	14.5	13.2
-22.6	-25.70	1.4	-48.3	145	61-10	87-12*	175	62-10	87-12*	747	18.2	15.5
-20.3	-20.80	-6.2	-43.1	76	61-04	74-09	237	61-04	84-10*	3193	11.6	11.2
—	—	—	—	—	—	—	206	70-08	87-11*	2079	1.3	4.8
-50.2	-51.20	-14.3	-97.4	279	64-03	87-12*	213	70-01	87-12*	758	9.5	—
-88.0	-87.70	-42.2	-133.5	74	62-05	74-08	93	62-05	72-10	1018	1.2	5.0
—	—	—	—	—	—	—	192	71-10	87-12*	1683	6.2	7.8
-120.7	-103.00	-55.0	-171.0	11	71-01	71-12	110	70-06	83-11*	683	1.7	7.8
-158.0	-155.40	-62.0	-276.0	213	65-07	87-12*	233	66-04	87-12*	432	-18.2	1.8
-27.8	-28.70	-5.4	-51.2	45	64-03	87-12*	147	61-10	87-12*	734	16.5	10.6
-16.1	-32.40	34.2	-101.4	110	60-11	75-10*	99	60-11	80-04*	809	18.0	12.9
-19.0	-22.50	7.5	-63.0	93	62-01	76-12	278	62-01	87-12*	1386	16.6	16.3
-4.8	-6.40	8.1	-28.6	85	62-02	69-10	77	62-02	70-01	3312	23.3	21.5
-84.2	-80.20	-32.4	-156.7	209	70-07	87-12*	210	70-07	87-12*	1053	6.5	9.0
—	—	—	—	—	—	—	108	73-03	83-12*	778	3.6	8.0
-30.0	-43.20	21.2	-100.3	190	61-12	87-11*	246	61-02	87-11*	2156	23.0	22.7
-28.8	-37.00	18.1	-87.4	150	68-07	87-12*	177	68-12	87-12*	1626	27.0	28.7
-46.7	-47.30	-23.0	-77.4	105	77-04	87-12*	277	62-11	87-12*	1037	9.8	10.0

Station code	Station name	Lat.	Long.	Alt.	Oxygen-18						
					Mean	W. Mean	Max.	Min.	n	Start	End
3071000	Irkutsk, Russian Federation	52.27N	104.35E	485	—	—	-9.30	-25.10	4	71-02	71-11
0100500	Isfjord Radio, Norway	78.07N	13.63E	6	-9.55	-9.17	-4.60	-19.26	98	61-07	75-05
8404400	Izobamba, Ecuador	0.37S	78.55W	3058	-10.68	-11.05	-4.64	-20.51	110	73-06	84-11*
9127500	Johnston Island (Pacific Oc.), USA	16.73N	169.52W	2	-1.72	-2.58	1.63	-6.80	90	64-05	76-12
4094900	Kabul (Karizimir), Afghanistan	34.67N	69.08E	1860	-6.01	-7.15	3.49	-15.98	91	62-02	87-12*
9301100	Kaitaia, New Zealand	35.07S	173.28E	76	-4.54	-5.01	0.50	-13.52	193	62-10	87-12*
9341701	Kaitoke, New Zealand	41.10S	175.17E	0	—	—	—	—	—	—	—
6504600	Kano, Nigeria	12.05N	8.53E	476	-2.88	-3.81	2.40	-9.97	39	61-05	73-09
4178000	Karachi, Pakistan	24.90N	67.13E	23	-2.96	-3.93	5.60	-9.20	45	61-07	75-08
1072700	Karlsruhe, Germany	49.02N	8.38E	120	-8.44	-8.48	-3.60	-20.01	79	81-01	87-11*
6272100	Khartoum, Sudan	15.60N	32.55E	382	-0.44	-2.10	6.81	-8.28	40	62-06	78-08
1051500	Koblenz, Germany	50.35N	7.58E	97	-7.68	-7.45	-2.78	-21.19	80	81-03	87-12*
1092900	Konstanz, Germany	47.68N	9.18E	447	-10.43	-10.18	-3.06	-21.80	116	78-01	87-12*
1256500	Kraków (Wola Justowska), Poland	50.07N	19.88E	205	-10.06	-9.35	-5.06	-19.56	154	75-03	87-12*
0723500	Le Mans, France	47.93N	0.20E	0	—	—	—	—	—	—	—
7255100	Lincoln, Nebraska, USA	40.82N	96.70W	351	—	—	—	—	—	—	—
0142700	Lista, Norway	58.10N	6.57E	13	-6.66	-6.89	-2.26	-13.10	128	61-02	77-08
0676000	Locarno, Switzerland	46.17N	8.78E	379	-9.47	-8.64	-3.21	-21.42	179	72-09	87-12*
9401400	Madang, Papua New Guinea	5.22S	145.80E	4	-7.04	-7.70	-0.64	-13.62	125	68-08	82-07
7264100	Madison, Wisconsin, USA	43.13N	89.32W	262	—	—	—	—	—	—	—
0822201	Madrid, Spain	40.41N	3.68W	655	—	—	-4.30	-10.80	5	86-02	87-12*
6881600	Malan (Cape Town), South Africa	33.97S	18.60E	44	-2.81	-3.45	1.70	-6.34	217	61-04	83-04
6621500	Malange, Angola	9.55S	16.37E	1139	-3.67	-4.48	3.31	-7.91	84	69-04	83-03
8233100	Manaus, Brazil	3.12S	60.02W	60	-4.55	-5.52	0.11	-12.69	183	65-07	87-08*
8041300	Maracay, Venezuela	10.25N	67.65W	442	-3.91	-4.01	5.60	-8.75	64	61-05	75-08
6899400	Marion Island (Indian Oc.), South Africa	46.88S	37.87E	26	-4.91	-4.93	-1.30	-13.64	194	61-04	87-12*
0765000	Marseille (Marignane), France	43.45N	5.22E	8	—	—	—	—	—	—	—

Deuterium							Tritium			Prec. Mean	Temp. Mean	Vap.Pr. Mean
Mean	W. Mean	Max.	Min.	n	Start	End	n	Start	End			
—	—	-65.0	-192.0	4	71-02	71-11	139	69-07	83-12*	457	0.1	6.4
-63.3	-59.90	-32.3	-138.3	75	61-07	75-05	139	61-07	76-07	488	-5.1	3.9
-75.8	-78.90	-27.6	-157.1	101	73-06	84-11*	148	68-05	84-04*	1287	11.1	10.5
-6.4	-13.60	14.6	-44.1	87	64-05	76-12	135	62-03	74-06	798	26.0	25.2
-33.2	-36.10	30.0	-103.0	68	62-02	87-12*	105	62-02	87-12*	327	11.5	7.1
-24.7	-28.60	15.6	-98.8	180	62-10	87-12*	291	62-10	87-12*	1382	15.4	14.3
—	—	—	—	—	—	—	332	60-07	87-12*	2268	—	—
-19.1	-27.20	22.3	-58.3	33	61-05	73-09	15	71-05	73-08	763	26.2	16.0
-19.2	-23.50	38.6	-72.6	43	61-07	75-08	34	61-07	75-09	195	25.7	22.0
-59.5	-59.80	-23.7	-151.9	79	81-01	87-11*	128	77-11	87-11*	851	9.8	—
1.7	-10.00	48.4	-32.3	37	62-06	78-08	60	60-06	78-08	147	29.0	12.9
-56.2	-54.60	-13.7	-161.2	80	81-03	87-12*	159	74-08	87-12*	637	10.2	—
-77.0	-74.70	-20.9	-168.2	115	78-01	87-12*	117	78-12	87-12*	873	8.8	9.4
-72.2	-66.50	-31.8	-148.7	153	75-03	87-12*	153	87-12	87-12*	619	7.7	9.4
—	—	—	—	—	—	—	177	65-06	86-12*	634	9.9	10.6
—	—	—	—	—	—	—	275	62-07	86-05*	737	10.3	10.4
-46.2	-48.60	-9.6	-93.5	107	61-02	77-08	183	61-02	78-10	1025	7.4	9.0
—	—	—	—	—	—	—	179	66-09	87-11*	1850	11.6	9.1
-44.8	-49.70	-3.4	-92.1	105	68-08	82-07	140	68-08	82-07	3218	27.0	29.5
—	—	—	—	—	—	—	228	82-03	82-03	760	7.4	9.1
—	—	-36.5	-79.5	5	86-02	87-12*	137	70-09	87-11*	461	14.4	8.4
-8.9	-12.90	10.1	-31.6	127	61-04	75-09	225	61-04	87-11*	513	16.3	13.9
-21.1	-26.10	22.1	-52.6	63	69-04	83-04	71	69-05	83-02	1060	21.9	17.5
-25.9	-33.10	14.4	-93.6	156	65-07	87-08*	164	65-06	85-06*	2211	26.8	29.0
-25.5	-27.90	19.3	-60.6	48	61-05	75-08	53	65-04	75-08	806	24.5	22.5
-33.4	-33.50	-4.0	-64.5	79	61-04	76-03	233	61-04	87-04*	2452	5.5	7.6
—	—	—	—	—	—	—	144	65-06	84-12	566	14.5	11.9

Station code	Station name	Lat.	Long.	Alt.	Oxygen-18						
					Mean	W. Mean	Max.	Min.	n	Start	End
0665703	Meiringen, Switzerland	46.73N	8.20E	632	-12.29	-11.77	-3.92	-21.60	209	70-08	87-12*
9486800	Melbourne, Australia	37.82S	144.97E	28	-4.68	-5.13	1.24	-13.00	246	65-01	87-12*
7249401	Menlo Park, California, USA	37.45N	122.13W	7	—	—	—	—	—	—	—
7220201	Miami (Inst. Marine Science), Florida, USA	25.75N	80.16W	15	—	—	—	—	—	—	—
9106600	Midway Island (Pacific Oc.), USA	28.22N	177.37W	13	-2.33	-2.52	3.00	-9.00	264	62-02	87-12*
2761200	Moskva, Russian Federation	55.75N	37.57E	157	-11.42	-10.99	-4.60	-20.40	63	70-01	79-12
6470000	N'Djamena, Chad	12.13N	15.03E	294	-1.51	-4.11	9.20	-9.56	81	64-03	78-09
6756100	Ndola, Zambia	13.00S	28.65E	1331	-6.03	-6.59	1.01	-17.46	79	68-11	85-05*
4218200	New Delhi, India	28.58N	77.20E	212	-3.40	-5.81	8.20	-15.30	216	61-07	87-09*
0431000	Nord, Greenland, Denmark	81.60N	16.67W	35	-25.01	-24.98	-7.60	-38.30	91	61-05	72-05
2963400	Novosibirsk, Russian Federation	55.03N	82.90E	162	—	—	—	—	—	—	—
7220501	Ocala, Florida, USA	29.18N	82.13W	26	—	—	—	—	—	—	—
3383700	Odessa, Ukraine	46.48N	30.63E	64	-8.45	-9.09	-1.10	-17.70	40	80-04	83-12*
2869800	Omsk, Russian Federation	54.56N	74.24E	94	—	—	—	—	—	—	—
7262800	Ottawa, Ontario, Canada	45.32N	75.67W	0	-11.18	-10.89	-3.40	-22.01	197	70-02	86-05*
2822500	Perm, Russian Federation	58.01N	56.18E	161	-13.02	-12.90	-3.20	-20.30	42	80-04	83-12*
9460800	Perth, Australia	31.95S	115.97E	17	-3.12	-3.87	3.75	-5.66	97	62-02	76-12
3258300	Petropavlovsk-na-Kamkatke, Russian Federation	52.98N	158.65E	24	—	—	—	—	—	—	—
4713800	Pohang, Rep. Korea	36.03N	129.38E	6	-7.31	-7.78	0.07	-17.80	110	61-03	76-12
0851200	Ponta Delgada, Azores (Atlantic Oc.), Portugal	37.77N	25.65W	175	-3.53	-4.20	0.51	-6.40	69	62-02	74-12
7269800	Portland, Oregon, USA	45.60N	122.60W	6	—	—	-7.52	-7.52	1	69-05	69-05
8396700	Pôrto Alegre, Brazil	30.08S	51.18W	7	-4.63	-4.71	-0.56	-11.43	200	65-03	83-07*
8282500	Pôrto Velho, Brazil	8.77S	63.92W	105	-5.74	-6.82	1.50	-13.28	86	65-08	81-10*
6826200	Pretoria, South Africa	25.73S	28.18E	1330	-2.57	-3.70	3.44	-13.43	190	61-04	83-01
9184300	Rarotonga, Cook Islands (Pacific Oc.), New Zealand	21.20S	159.80W	6	-3.47	-4.26	0.84	-10.30	86	79-04	87-12*
1077600	Regensburg, Germany	49.02N	12.07E	377	-10.29	-10.02	-4.62	-17.58	117	78-01	87-12*
0403000	Reykjavik, Iceland	64.13N	21.93W	14	-7.49	-7.65	-3.80	-12.13	147	61-04	76-12

Deuterium							Tritium			Prec. Mean	Temp. Mean	Vap.Pr. Mean
Mean	W. Mean	Max.	Min.	n	Start	End	n	Start	End			
—	—	—	—	—	—	—	197	70-08	87-03*	1278	7.9	8.9
-25.5	-28.20	9.9	-94.7	208	65-01	87-12*	290	62-02	87-12*	635	15.4	11.4
—	—	—	—	—	—	—	211	61-09	87-12*	492	13.8	10.9
—	—	—	—	—	—	—	273	68-11	87-12*	1289	24.3	22.6
-8.8	-10.60	21.7	-53.9	232	62-02	87-12*	255	62-02	87-12*	1090	22.3	20.6
-91.4	-89.10	-36.7	-160.0	115	70-01	79-12	140	69-08	83-12*	693	5.4	7.5
-6.2	-22.50	56.4	-53.4	70	64-03	78-09	73	63-09	78-09	557	27.9	16.6
-35.1	-39.50	25.5	-121.2	69	68-11	85-04*	61	68-11	82-04	1172	20.4	14.8
-19.3	-37.20	55.8	-120.0	183	61-07	87-09*	60	61-07	79-09	774	25.1	17.4
-185.6	-185.60	-76.9	-254.1	60	61-05	67-06	84	62-01	72-05	164	-17.1	2.0
—	—	—	—	—	—	—	140	69-07	83-11	418	0.8	7.3
—	—	—	—	—	—	—	272	61-09	87-11*	1317	21.3	19.3
-60.5	-64.50	-25.0	-124.0	32	81-02	83-12*	133	69-07	84-12*	459	10.0	10.5
—	—	—	—	—	—	—	107	73-05	83-12	398	1.6	6.7
-77.0	-74.20	-27.4	-164.1	183	67-06	86-05*	391	53-08	86-05*	881	5.8	8.3
-93.2	-92.10	-16.0	-152.0	32	81-01	83-12*	124	73-03	84-12*	630	2.4	7.0
-12.0	-14.90	15.6	-32.9	91	62-02	76-12	162	63-01	86-11*	809	18.6	13.2
—	—	—	—	—	—	—	116	69-07	83-12	1266	2.1	6.1
-44.5	-51.00	7.7	-131.9	117	61-03	76-12	141	61-07	76-07	1106	13.2	12.4
-16.0	-19.90	7.3	-31.6	70	62-02	74-12	93	63-02	70-12	1058	16.6	15.5
—	—	-53.6	-53.6	1	69-05	69-05	254	65-08	87-12*	920	11.9	10.1
-24.8	-25.20	13.1	-84.9	175	65-03	83-07*	206	58-01	83-07	1305	19.6	17.8
-34.4	-43.00	18.7	-96.6	73	65-08	81-10*	90	65-08	81-10	2210	25.3	28.1
-9.2	-16.80	31.0	-85.3	121	61-04	75-04	174	58-05	85-04*	682	17.8	11.9
-17.8	-23.70	11.8	-74.5	86	79-04	87-12*	225	57-10	87-12*	1953	23.9	24.2
-76.0	-73.50	-25.8	-141.6	116	78-01	87-12*	116	78-01	87-12*	639	7.7	—
-53.7	-55.20	-19.2	-87.2	98	61-04	76-12	65	60-02	66-10	870	4.7	7.2

Station code	Station name	Lat.	Long.	Alt.	Oxygen-18						
					Mean	W. Mean	Max.	Min.	n	Start	End
8374300	Rio de Janeiro, Brazil	22.90S	43.17W	26	-3.81	-4.54	0.70	-11.02	179	61-11	87-09*
3473100	Rostov-na-Donu, Russian Federation	47.25N	39.82E	77	-8.29	-8.83	-1.80	-16.00	51	80-04	84-09*
4751300	Ryori, Japan	39.02N	141.50E	260	-8.37	-8.13	-3.74	-15.24	84	80-05	86-06*
7257200	Salt Lake City, Utah, USA	40.77N	111.97W	1286	—	—	—	—	—	—	—
8322900	Salvador (Ondina), Brazil	13.00S	38.52W	45	-1.45	-1.73	0.70	-7.74	168	65-02	87-07*
7852600	San Juan, Puerto Rico, USA	18.43N	66.00W	4	-1.57	-2.19	0.56	-4.44	45	68-08	73-04
7866300	San Salvador (Ilopango), El Salvador	13.70N	89.12W	615	-6.46	-6.77	0.19	-13.66	98	68-07	84-08*
7239400	Santa Maria, California, USA	34.90N	120.45W	79	-4.22	-6.01	1.80	-9.71	62	62-01	76-12
8210600	São Gabriel, Brazil	0.13S	67.08W	87	-4.39	-4.65	0.30	-11.15	100	61-11	83-01*
6193100	São Tomé (Atlantic Oc.), São Tomé and Príncipe	0.38N	6.72E	8	-2.84	-3.39	2.60	-7.89	121	62-04	76-12
4869400	Singapore (Airport), Singapore	1.35N	103.90E	32	-6.89	-7.26	-2.01	-11.26	97	68-06	76-12
6190100	St. Helena (Atlantic Oc.), UK	15.97S	5.70W	604	-1.31	-1.42	0.30	-2.40	80	62-05	75-12
7243400	St. Louis, Missouri, USA	38.75N	90.38W	163	—	—	—	—	—	—	—
8889000	Stanley, Falkland Islands (Atlantic Oc.), UK	51.70S	57.87W	51	-7.99	-8.08	-3.70	-12.40	95	61-11	76-12
0719000	Strasbourg, France	48.55N	7.63E	154	—	—	—	—	—	—	—
1073900	Stuttgart (Cannstatt), Germany	48.83N	9.20E	315	-8.19	-8.01	-1.11	-17.20	225	61-02	87-12*
9121700	Taguac, Guam Island (Pacific Oc.), USA	13.55N	144.83E	110	-3.73	-5.21	2.10	-9.40	112	61-12	77-03
9161000	Tarawa Island (Pacific Oc.), Kiribati	1.35N	172.92E	4	—	—	—	—	—	—	—
3845700	Tashkent, Uzbekistan	41.27N	69.27E	428	-7.05	-7.01	-3.30	-12.90	7	71-01	71-12
3754900	Tbilisi, Georgia	41.68N	44.95E	490	—	—	—	—	—	—	—
4075400	Teheran, Islam. Rep. Iran	35.68N	51.32E	1200	-5.22	-6.76	9.30	-15.34	159	61-02	87-03*
7286700	The Pas, Manitoba, Canada	53.97N	101.10W	272	-19.47	-16.31	-10.40	-35.40	73	75-08	82-07
0748501	Thonon-les-Bains, France	46.22N	6.28E	385	-9.58	-9.77	-0.40	-17.85	196	63-06	87-01*
0420200	Thule, Greenland, Denmark	76.52N	68.83W	77	-24.14	-22.72	-13.98	-39.56	57	66-10	71-09
4766200	Tokyo, Japan	35.68N	139.77E	4	-7.10	-7.30	-0.76	-12.80	219	60-02	79-12
1060900	Trier, Germany	49.75N	6.07E	273	-7.48	-7.75	-2.47	-15.35	116	78-01	87-12*
9133400	Truk, East Caroline Islands (Pacific Oc.), USA	7.47N	151.85E	2	-4.94	-5.35	0.59	-9.02	93	68-03	77-05

Deuterium							Tritium			Prec. Mean	Temp. Mean	Vap.Pr. Mean
Mean	W. Mean	Max.	Min.	n	Start	End	n	Start	End			
-18.4	-26.20	12.7	-76.9	138	61-11	85-12*	133	61-11	76-12	1167	23.8	22.7
-64.5	-67.10	-16.0	-129.0	36	81-01	84-09*	155	70-05	84-12*	641	9.8	10.1
-53.2	-53.00	-21.0	-101.0	86	83-04	86-06*	81	83-02	86-06*	1124	10.0	10.5
—	—	—	—	—	—	—	226	63-06	84-08*	436	11.0	6.9
-1.3	-2.90	15.0	-46.5	116	65-02	85-04*	136	65-02	76-11	2106	25.2	25.7
-3.8	-5.60	10.1	-13.4	18	68-08	73-04	252	63-02	86-03*	1356	27.0	25.7
-42.3	-45.80	12.8	-87.4	74	68-07	84-07*	88	68-07	81-05	1509	23.2	20.6
-26.5	-38.70	6.2	-67.6	60	62-01	76-12	102	62-10	76-12	312	13.7	11.3
-26.3	-28.80	11.8	-80.1	101	61-11	83-01*	108	62-05	83-01	2764	25.5	28.1
-12.5	-17.70	26.7	-48.9	91	62-04	76-12	105	64-01	76-12	939	25.2	26.2
-43.9	-46.20	-15.9	-79.2	52	68-06	75-12	100	68-06	76-12	2164	26.3	29.2
3.1	2.40	14.3	-3.8	74	62-05	75-12	151	62-05	75-12	893	16.9	16.6
—	—	—	—	—	—	—	288	70-01	87-12*	952	12.8	12.1
-57.5	-58.00	-25.5	-84.9	94	61-11	76-12	157	61-11	76-12	605	5.7	8.0
—	—	—	—	—	—	—	146	65-05	84-12*	608	9.9	10.1
-59.9	-58.40	-5.6	-134.2	222	61-02	87-12*	265	61-02	87-12*	655	9.3	9.4
-20.3	-31.10	18.5	-62.6	106	61-12	77-03	143	61-12	76-11	2659	26.0	28.2
—	—	—	—	—	—	—	164	66-07	87-12*	2005	28.2	31.4
-44.5	-43.00	4.0	-83.0	7	71-01	71-12	103	69-07	83-12	445	13.6	10.0
—	—	—	—	—	—	—	120	69-07	83-11	523	12.9	11.2
-30.3	-41.40	55.8	-114.2	137	61-02	87-03*	159	61-02	87-03*	211	16.8	6.7
-144.5	-122.80	-79.0	-271.0	70	75-08	82-07	62	75-08	82-02	379	1.5	—
—	—	-73.0	-73.7	2	85-01	87-03*	245	63-06	85-04*	982	10.2	—
-184.2	-171.90	-103.4	-305.0	42	66-10	70-03	47	66-10	70-06	189	-11.6	2.3
-43.8	-46.40	12.1	-81.6	184	61-03	79-12	214	61-03	79-12	1378	15.5	13.3
-53.3	-55.20	-13.1	-106.9	115	78-01	87-12*	115	78-01	87-12*	829	8.7	—
-30.1	-32.90	6.6	-57.8	71	68-03	77-05	104	68-03	77-04	3582	27.5	29.9

Station code	Station name	Lat.	Long.	Alt.	Oxygen-18						
					Mean	W. Mean	Max.	Min.	n	Start	End
7239800	Truro, Nova Scotia, Canada	45.37N	63.27W	40	-9.48	-9.53	-5.10	-20.40	91	75-08	83-12
6071500	Tunis (Carthage), Tunisia	36.83N	10.23E	4	-3.58	-4.54	3.34	-8.49	143	68-04	87-11*
0395300	Valentia (Observatory), Ireland	51.93N	10.25W	9	-5.01	-5.34	-1.62	-8.31	209	60-03	87-12*
7669200	Veracruz, Mexico	19.20N	96.13W	16	-2.86	-4.13	5.06	-12.10	169	62-04	87-06*
1103500	Vienna (Hohe Warte), Austria	48.25N	16.37E	203	-9.87	-9.96	0.49	-24.41	306	61-02	87-12*
7225600	Waco, Texas, USA	31.62N	97.22W	156	-3.75	-4.04	2.66	-9.92	96	62-01	76-12
9124500	Wake Island (Pacific Oc.), USA	19.28N	166.65E	3	-1.46	-2.11	2.78	-6.15	150	62-02	76-12
7240500	Washington, D.C., USA	38.85N	77.03W	4	—	—	—	—	—	—	—
1054400	Wasserkuppe Rhön, Germany	50.50N	9.95E	921	-9.88	-9.78	-5.29	-19.10	118	78-01	87-12*
7500001	Weathership E (Atlantic Oc.), USA	35.00N	48.00W	0	-2.90	-3.16	1.10	-8.55	127	63-08	73-06
9000001	Weathership V (Pacific Oc.), USA	31.00N	164.00E	0	-3.99	-4.35	0.46	-8.44	96	62-11	71-09
7296400	Whitehorse, Yukon, Canada	60.72N	135.07W	702	-20.86	-20.95	-8.20	-27.80	54	61-05	66-01
6811000	Windhoek, Namibia	22.57S	17.10E	1728	-2.59	-5.03	6.44	-16.39	135	61-04	80-12
1065500	Würzburg, Germany	49.80N	9.90E	259	-8.07	-8.10	-2.41	-16.30	120	78-01	87-12*
7286500	Wynyard, Saskatchewan, Canada	51.77N	104.20W	561	-17.84	-15.55	-7.40	-33.30	77	75-08	82-07
2495900	Yakutsk, Russian Federation	62.08N	129.75E	107	-21.56	-19.54	-14.90	-33.60	7	78-06	78-12
9141300	Yap, Western Caroline Islands (Pacific Oc.), USA	9.49N	138.09E	0	-4.98	-5.65	1.10	-9.30	99	68-06	76-12
1312701	Zagreb, Yugoslavia	45.49N	15.59E	165	-9.08	-9.08	-3.71	-15.05	94	80-01	87-12*

Deuterium							Tritium			Prec. Mean	Temp. Mean	Vap.Pr. Mean
Mean	W. Mean	Max.	Min.	n	Start	End	n	Start	End			
-65.8	-66.10	-30.0	-150.0	91	75-08	83-12	84	75-08	83-12	1008	10.1	7.0
-21.5	-26.60	13.6	-49.6	129	68-04	87-11*	142	68-04	87-03*	481	18.2	15.0
-33.6	-35.70	-4.3	-60.0	179	60-03	87-12*	345	57-08	87-12*	1426	10.5	10.9
-16.1	-27.10	35.2	-88.5	136	62-04	87-06*	186	62-04	87-06*	1518	25.4	25.9
-70.9	-70.80	-7.8	-183.6	302	61-02	87-12*	308	61-02	87-12*	610	10.0	9.5
-19.8	-22.90	18.0	-68.4	96	62-01	76-12	263	61-12	86-03*	810	19.4	16.1
-3.9	-10.30	21.7	-37.2	130	62-02	76-12	149	62-06	76-12	908	26.6	25.7
—	—	—	—	—	—	—	276	63-09	87-12*	964	14.3	12.1
-68.3	-67.60	-33.4	-143.4	117	78-01	87-12*	117	78-01	87-12*	1127	4.2	—
-14.9	-16.40	8.0	-64.7	99	63-08	73-00	114	62-07	75-02	527	20.4	18.9
-22.8	-23.70	-3.9	-53.9	84	62-11	69-12	92	62-11	71-09	832	19.1	18.1
-162.6	-162.20	-91.0	-211.2	54	61-05	66-01	94	61-05	69-06	269	-1.1	4.7
-11.3	-24.50	44.4	-115.1	91	61-04	75-04	121	61-04	86-04*	385	19.3	7.6
-59.0	-58.90	-14.5	-123.4	120	78-01	87-12*	129	77-02	87-12*	612	8.3	—
-139.2	-119.30	-39.0	-256.0	76	75-08	82-07	69	75-08	82-03	354	3.0	—
-161.2	-148.30	-110.0	-250.0	7	78-06	78-12	139	69-07	83-12	237	-10.3	4.8
-29.1	-34.70	8.8	-63.7	65	68-06	76-12	69	68-06	74-06	2812	27.1	29.1
-64.5	-64.30	-24.7	-114.0	94	80-01	87-12*	141	75-11	87-12*	840	11.0	10.4

NUMERICAL STATION INDEX

Station code	Station name	Page
0100500	Isfjord Radio, Norway	20
0142700	Lista, Norway	24
0395300	Valentia (Observatory), Ireland	28
0403000	Reykjavik, Iceland	32
0420200	Thule, Greenland, Denmark	36
0426100	Grønnedal, Greenland, Denmark	40
0431000	Nord, Greenland, Denmark	44
0628001	Groningen, Netherlands	48
0663000	Bern, Switzerland	52
0665701	Grimsel, Switzerland	56
0665702	Guttannen, Switzerland	60
0665703	Meiringen, Switzerland	64
0676000	Locarno, Switzerland	68
0719000	Strasbourg, France	72
0723500	Le Mans, France	76
0748501	Thonon-les-Bains, France	80
0765000	Marseille (Marignane), France	84
0776100	Ajaccio (Campo del Oro), France	88
0818001	Barcelona, Spain	92
0822201	Madrid, Spain	96
0849500	Gibraltar, UK	100
0851200	Ponta Delgada, Azores (Atlantic Ocean), Portugal	104
0855400	Faro, Portugal	108
1013100	Cuxhaven, Germany	112
1032500	Bad Salzuflen, Germany	116
1034800	Braunschweig, Germany	120
1038400	Berlin, Germany	124
1040600	Emmerich, Germany	128
1051500	Koblenz, Germany	132
1054400	Wasserkuppe Rhön, Germany	136
1058201	Freiberg, Germany	140
1060900	Trier, Germany	144
1065500	Würzburg, Germany	148
1072700	Karlsruhe, Germany	152
1073900	Stuttgart (Cannstatt), Germany	156
1077600	Regensburg, Germany	160
1092900	Konstanz, Germany	164
1096200	Hohenpeissenberg, Germany	168
1096300	Garmisch-Partenkirchen, Germany	172

Station code	Station name	Page
1103500	Vienna (Hohe Warte), Austria	176
1256500	Kraków (Wola Justowska), Poland	180
1284300	Budapest (Lőrinc), Hungary	184
1312701	Zagreb, Yugoslavia	188
1612000	Genoa (Sestri), Italy	192
1713000	Ankara (Central), Turkey	196
1730000	Antalya, Turkey	200
1735000	Adana, Turkey	204
2255000	Arkhangelsk, Russian Federation	208
2307400	Dudinka, Russian Federation	212
2495900	Yakutsk, Russian Federation	216
2761200	Moskva, Russian Federation	220
2822500	Perm, Russian Federation	224
2869800	Omsk, Russian Federation	228
2926300	Enisejsk, Russian Federation	232
2963400	Novosibirsk, Russian Federation	236
3071000	Irkutsk, Russian Federation	240
3173500	Habarovsk, Russian Federation	244
3212800	Holmsk, Russian Federation	248
3258300	Petropavlovsk-na-Kamcatke, Russian Federation	252
3383700	Odessa, Ukraine	256
3473100	Rostov-na-Donu, Russian Federation	260
3754900	Tbilisi, Georgia	264
3845700	Tashkent, Uzbekistan	268
4015301	Har Kna'an (Tirat Yael), Israel	272
4017900	Bet Dagan, Israel	276
4042700	Bahrain, Bahrain	280
4075400	Teheran, Islamic Republic of Iran	284
4094900	Kabul (Karizimir), Afghanistan	288
4178000	Karachi, Pakistan	292
4218200	New Delhi, India	296
4305700	Bombay, India	300
4500400	Hong Kong, UK	304
4713800	Pohang, Republic of Korea	308
4751300	Ryori, Japan	312
4766200	Tokyo, Japan	316
4845500	Bangkok, Thailand	320
4869400	Singapore (Airport), Singapore	324
6071500	Tunis (Carthage), Tunisia	328
6129000	Bamako, Mali	332

Station code	Station name	Page
6190000	Ascension Island (Atlantic Ocean), UK	336
6190100	St. Helena (Atlantic Ocean), UK	340
6193100	São Tomé (Atlantic Ocean), São Tomé and Príncipe	344
6196700	Diego Garcia Island (Indian Ocean), USA	348
6272100	Khartoum, Sudan	352
6345000	Addis Ababa, Ethiopia	356
6370500	Entebbe (Airport), Uganda	360
6389400	Dar es Salaam, United Republic of Tanzania	364
6470000	N'Djamena, Chad	368
6504600	Kano, Nigeria	372
6621500	Malange, Angola	376
6708500	Antananarivo, Madagascar	380
6756100	Ndola, Zambia	384
6777400	Harare, Zimbabwe	388
6811000	Windhoek, Namibia	392
6826200	Pretoria, South Africa	396
6881600	Malan (Cape Town), South Africa	400
6890600	Gough Island (Atlantic Ocean), South Africa	404
6899400	Marion Island (Indian Ocean), South Africa	408
7002600	Barrow, Alaska, USA	412
7021900	Bethel, Alaska, USA	416
7027300	Anchorage, Alaska, USA	420
7045400	Adak, Alaska, USA	424
7220201	Miami (Inst. Marine Science), Florida, USA	428
7220501	Ocala, Florida, USA	432
7225600	Waco, Texas, USA	436
7230400	Hatteras, North Carolina, USA	440
7236500	Albuquerque, New Mexico, USA	444
7237500	Flagstaff, Arizona, USA	448
7239400	Santa Maria, California, USA	452
7239800	Truro, Nova Scotia, Canada	456
7240500	Washington, D.C., USA	460
7243400	St. Louis, Missouri, USA	464
7249401	Menlo Park, California, USA	468
7250900	Boston, Massachusetts, USA	472
7252101	Coshocton, Ohio, USA	476
7253400	Chicago (Midway), Illinois, USA	480
7255100	Lincoln, Nebraska, USA	484
7257200	Salt Lake City, Utah, USA	488
7262800	Ottawa, Ontario, Canada	492

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7264100	Madison, Wisconsin, USA	496
7269800	Portland, Oregon, USA	500
7276400	Bismarck, North Dakota, USA	504
7286500	Wynyard, Saskatchewan, Canada	508
7286700	The Pas, Manitoba, Canada	512
7296400	Whitehorse, Yukon, Canada	516
7420500	Destruction Island (Pacific Ocean), USA	520
7500001	Weathership E (Atlantic Ocean), USA	524
7622500	Chihuahua, Mexico	528
7669200	Veracruz, Mexico	532
7801600	Bermuda Island (Atlantic Ocean), USA	536
7852600	San Juan, Puerto Rico, USA	540
7866300	San Salvador (Ilopango), El Salvador	544
7880600	Howard AFB, Panama (Canal Zone), USA	548
7895400	Barbados (Seawell Airport), Barbados	552
8002800	Barranquilla, Colombia	556
8022200	Bogotá, Colombia	560
8041300	Maracay, Venezuela	564
8140500	Cayenne, French Guiana, France	568
8210600	São Gabriel, Brazil	572
8219100	Belém, Brazil	576
8233100	Manaus, Brazil	580
8239700	Fortaleza, Brazil	584
8259800	Ceará Mirim, Brazil	588
8282500	Pôrto Velho, Brazil	592
8322900	Salvador (Ondina), Brazil	596
8336100	Cuiabá, Brazil	600
8337800	Brasilia (Airport), Brazil	604
8374300	Rio de Janeiro, Brazil	608
8396700	Pôrto Alegre, Brazil	612
8404400	Izobamba, Ecuador	616
8758500	Buenos Aires, Argentina	620
8889000	Stanley, Falkland Islands (Atlantic Ocean), UK	624
8895200	Argentine Island (Antarctic), UK	628
8902200	Halley Bay (Antarctic), UK	632
9000001	Weathership V (Pacific Ocean), USA	636
9106600	Midway Island (Pacific Ocean), USA	640
9121700	Taguac, Guam Island (Pacific Ocean), USA	644
9124500	Wake Island (Pacific Ocean), USA	648
9127500	Johnston Island (Pacific Ocean), USA	652

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9128500	Hawaii (Hilo), USA	656
9133400	Truk, Eastern Caroline Islands (Pacific Ocean), USA	660
9141300	Yap, Western Caroline Islands (Pacific Ocean), USA	664
9161000	Tarawa Island (Pacific Ocean), Kiribati	668
9164300	Funafuti Atoll (Pacific Ocean), Tuvalu	672
9176200	Apia, Western Samoa	676
9184300	Rarotonga, Cook Islands (Pacific Ocean), New Zealand	680
9301100	Kaitaia, New Zealand	688
9341701	Kaitoke, New Zealand	694
9384400	Invercargill, New Zealand	698
9394400	Campbell Island (Pacific Ocean), New Zealand	706
9401400	Madang, Papua New Guinea	710
9412000	Darwin, Australia	714
9432600	Alice Springs, Australia	718
9457600	Brisbane, Australia	722
9460800	Perth, Australia	726
9467500	Adelaide, Australia	730
9486800	Melbourne, Australia	734
9499801	Cape Grim, Tasmania, Australia	738
9674500	Djakarta, Indonesia	742
9769800	Djajapura, Indonesia	746

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Station code	Station name	Page
7045400	Adak, Alaska, USA	424
1735000	Adana, Turkey	204
6345000	Addis Ababa, Ethiopia	356
9467500	Adelaide, Australia	730
0776100	Ajaccio (Campo del Oro), France	88
7236500	Albuquerque, New Mexico, USA	444
9432600	Alice Springs, Australia	718
7027300	Anchorage, Alaska, USA	420
1713000	Ankara (Central), Turkey	196
1730000	Antalya, Turkey	200
6708500	Antananarivo, Madagascar	380
9176200	Apia, Western Samoa	676
8895200	Argentine Island (Antarctic), UK	628
2255000	Arkhangelsk, Russian Federation	208
6190000	Ascension Island (Atlantic Ocean), UK	336
1032500	Bad Salzuflen, Germany	116
4042700	Bahrain, Bahrain	280
6129000	Bamako, Mali	332
4845500	Bangkok, Thailand	320
7895400	Barbados (Seawell Airport), Barbados	552
0818001	Barcelona, Spain	92
8002800	Barranquilla, Colombia	556
7002600	Barrow, Alaska, USA	412
8219100	Belém, Brazil	576
1038400	Berlin, Germany	124
7801600	Bermuda Island (Atlantic Ocean), USA	536
0663000	Bern, Switzerland	52
4017900	Bet Dagan, Israel	276
7021900	Bethel, Alaska, USA	416
7276400	Bismarck, North Dakota, USA	504
8022200	Bogotá, Colombia	560
4305700	Bombay, India	300
7250900	Boston, Massachusetts, USA	472
8337800	Brasilia (Airport), Brazil	604
1034800	Braunschweig, Germany	120
9457600	Brisbane, Australia	722
1284300	Budapest (Lőrinc), Hungary	184
8758500	Buenos Aires, Argentina	620
9394400	Campbell Island (Pacific Ocean), New Zealand	706

Station code	Station name	Page
9499801	Cape Grim, Tasmania, Australia	738
8140500	Cayenne, French Guiana, France	568
8259800	Ceará Mirim, Brazil	588
7253400	Chicago (Midway), Illinois, USA	480
7622500	Chihuahua, Mexico	528
7252101	Coshocton, Ohio, USA	476
8336100	Cuiabá, Brazil	600
1013100	Cuxhaven, Germany	112
6389400	Dar es Salaam, United Republic of Tanzania	364
9412000	Darwin, Australia	714
7420500	Destruction Island (Pacific Ocean), USA	520
6196700	Diego Garcia Island (Indian Ocean), USA	348
9769800	Djajapura, Indonesia	746
9674500	Djakarta, Indonesia	742
2307400	Dudinka, Russian Federation	212
1040600	Emmerich, Germany	128
2926300	Enisejsk, Russian Federation	232
6370500	Entebbe (Airport), Uganda	360
0855400	Faro, Portugal	108
7237500	Flagstaff, Arizona, USA	448
8239700	Fortaleza, Brazil	584
1058201	Freiberg, Germany	140
9164300	Funafuti Atoll (Pacific Ocean), Tuvalu	672
1096300	Garmisch-Partenkirchen, Germany	172
1612000	Genoa (Sestri), Italy	192
0849500	Gibraltar, UK	100
6890600	Gough Island (Atlantic Ocean), South Africa	404
0665701	Grimsel, Switzerland	56
0628001	Groningen, Netherlands	48
0426100	Grønnedal, Greenland, Denmark	40
0665702	Guttannen, Switzerland	60
3173500	Habarovsk, Russian Federation	244
8902200	Halley Bay (Antarctic), UK	632
4015301	Har Kna'an (Tirat Yael), Israel	272
6777400	Harare, Zimbabwe	388
7230400	Hatteras, North Carolina, USA	440
9128500	Hawaii (Hilo), USA	656
1096200	Hohenpeissenberg, Germany	168
3212800	Holmsk, Russian Federation	248
4500400	Hong Kong, UK	304

Station code	Station name	Page
7880600	Howard AFB, Panama (Canal Zone), USA	548
9384400	Invercargill, New Zealand	698
3071000	Irkutsk, Russian Federation	240
0100500	Isfjord Radio, Norway	20
8404400	Izobamba, Ecuador	616
9127500	Johnston Island (Pacific Ocean), USA	652
4094900	Kabul (Karizimir), Afghanistan	288
9301100	Kaitaia, New Zealand	688
9341701	Kaitoke, New Zealand	694
6504600	Kano, Nigeria	372
4178000	Karachi, Pakistan	292
1072700	Karlsruhe, Germany	152
6272100	Khartoum, Sudan	352
1051500	Koblenz, Germany	132
1092900	Konstanz, Germany	164
1256500	Kraków (Wola Justowska), Poland	180
0723500	Le Mans, France	76
7255100	Lincoln, Nebraska, USA	484
0142700	Lista, Norway	24
0676000	Locarno, Switzerland	68
9401400	Madang, Papua New Guinea	710
7264100	Madison, Wisconsin, USA	496
0822201	Madrid, Spain	96
6881600	Malan (Cape Town), South Africa	400
6621500	Malange, Angola	376
8233100	Manaus, Brazil	580
8041300	Maracay, Venezuela	564
6899400	Marion Island (Indian Ocean), South Africa	408
0765000	Marseille (Marignane), France	84
0665703	Meiringen, Switzerland	64
9486800	Melbourne, Australia	734
7249401	Menlo Park, California, USA	468
7220201	Miami (Inst Marine Science), Florida, USA	428
9106600	Midway Island (Pacific Ocean), USA	640
2761200	Moskva, Russian Federation	220
6470000	N'Djamena, Chad	368
6756100	Ndola, Zambia	384
4218200	New Delhi, India	296
0431000	Nord, Greenland, Denmark	44
2963400	Novosibirsk, Russian Federation	236

Station code	Station name	Page
7220501	Ocala, Florida, USA	432
3383700	Odessa, Ukraine	256
2869800	Omsk, Russian Federation	228
7262800	Ottawa, Ontario, Canada	492
2822500	Perm, Russian Federation	224
9460800	Perth, Australia	726
3258300	Petropavlovsk-na-Kamcatke, Russian Federation	252
4713800	Pohang, Republic of Korea	308
0851200	Ponta Delgada, Azores (Atlantic Ocean), Portugal	104
7269800	Portland, Oregon, USA	500
8396700	Pôrto Alegre, Brazil	612
8282500	Pôrto Velho, Brazil	592
6826200	Pretoria, South Africa	396
9184300	Rarotonga, Cook Islands (Pacific Ocean), New Zealand	680
1077600	Regensburg, Germany	160
0403000	Reykjavik, Iceland	32
8374300	Rio de Janeiro, Brazil	608
3473100	Rostov-na-Donu, Russian Federation	260
4751300	Ryori, Japan	312
7257200	Salt Lake City, Utah, USA	488
8322900	Salvador (Ondina), Brazil	596
7852600	San Juan, Puerto Rico, USA	540
7866300	San Salvador (Ilopango), El Salvador	544
7239400	Santa Maria, California, USA	452
8210600	São Gabriel, Brazil	572
6193100	São Tomé (Atlantic Ocean), São Tomé and Príncipe	344
4869400	Singapore (Airport), Singapore	324
6190100	St. Helena (Atlantic Ocean), UK	340
7243400	St. Louis, Missouri, USA	464
8889000	Stanley, Falkland Islands (Atlantic Ocean), UK	624
0719000	Strasbourg, France	72
1073900	Stuttgart (Cannstatt), Germany	156
9121700	Taguac, Guam Island (Pacific Ocean), USA	644
9161000	Tarawa Island (Pacific Ocean), Kiribati	668
3845700	Tashkent, Uzbekistan	268
3754900	Tbilisi, Georgia	264
4075400	Teheran, Islamic Republic of Iran	284
7286700	The Pas, Manitoba, Canada	512
0748501	Thonon-les-Bains, France	80
0420200	Thule, Greenland, Denmark	36

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4766200	Tokyo, Japan	316
1060900	Trier, Germany	144
9133400	Truk, Eastern Caroline Islands (Pacific Ocean), USA	660
7239800	Truro, Nova Scotia, Canada	456
6071500	Tunis (Carthage), Tunisia	328
0395300	Valentia (Observatory), Ireland	28
7669200	Veracruz, Mexico	532
1103500	Vienna (Hohe Warte), Austria	176
7225600	Waco, Texas, USA	436
9124500	Wake Island (Pacific Ocean), USA	648
7240500	Washington, D.C., USA	460
1054400	Wasserkuppe Rhön, Germany	136
7500001	Weathership E (Atlantic Ocean), USA	524
9000001	Weathership V (Pacific Ocean), USA	636
7296400	Whitehorse, Yukon, Canada	516
6811000	Windhoek, Namibia	392
1065500	Würzburg, Germany	148
7286500	Wynyard, Saskatchewan, Canada	508
2495900	Yakutsk, Russian Federation	216
9141300	Yap, Western Caroline Islands (Pacific Ocean), USA	664
1312701	Zagreb, Yugoslavia	188

LABORATORIES WHICH HAVE CO-OPERATED OR ARE CO-OPERATING IN THE IAEA/WMO NETWORK

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| (2) Chalk River Nuclear Laboratories,
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Bern, Switzerland |
| (3) Weizmann Institute of Science,
Rehovoth, Israel | (18) Universität Heidelberg,
Heidelberg, Germany |
| (4) University of California,
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| (5) University of Chicago,
Chicago, Illinois, USA | (20) Bureau de recherches géologiques
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| (6) Technische Hochschule,
Darmstadt, Germany | (21) Wantage Research Laboratory,
Wantage, UK |
| (7) Centre d'études nucléaires de Saclay,
Gif-sur-Yvette, France | (22) Institute of Marine Science,
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| (8) Universität Köln,
Cologne, Germany | (23) Centre d'études nucléaires
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Grenoble, France |
| (9) University of California,
La Jolla, California, USA | (24) Ministry of Water Development,
Salisbury, Zimbabwe |
| (10) New Mexico Institute of Mining
and Technology,
Socorro, New Mexico, USA | (25) Bundesanstalt für Gewässerkunde,
Koblenz, Germany |
| (11) United States Geological Survey,
Washington, D.C., USA | (26) Bundesversuchs- und Forschungs-
anstalt,
Vienna, Austria |
| (12) Columbia University,
New York, N.Y., USA | (27) Westwood Laboratories
(Isotopes, Inc.),
Westwood, New Jersey, USA |
| (13) Tata Institute of Fundamental
Research,
Colaba, Bombay, India | (28) University of Witwatersrand,
Johannesburg, South Africa |
| (14) University of Saskatchewan,
Saskatoon, Saskatchewan, Canada | (29) Hydrometeorological Service,
Moscow, Russian Federation |
| (15) IAEA Isotope Hydrology Laboratory,
Vienna, Austria | |

- (30) National Geophysical Research
Institute,
Hyderabad, India
- (31) Gabinete de Aplicaciones Nucleares,
Madrid, Spain
- (32) Natuurkundig Laboratorium
der Rijksuniversiteit,
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- (33) Centre de recherches géodynamiques,
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- (34) Institute of Physics and Nuclear
Techniques,
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- (35) Ruder Bošković Institute,
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- (36) Institute of Isotopes of the Hungarian
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- (37) Institut für Hydrologie,
Gesellschaft für Strahlen- und
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- (38) Istituto Internazionale per
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Pisa, Italy
- (39) Bergakademie Freiberg,
Freiberg (Sachsen), Germany
- (40) Instituto de Geocronología
y Geología Isotópica,
Buenos Aires, Argentina
- (41) Zentralinstitut für Isotopen-
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Leipzig, Germany
- (42) University of Waterloo,
Waterloo, Ontario, Canada
- (43) Australian Atomic Energy
Commission,
Lucas Heights, New South Wales,
Australia
- (44) Hydrogeological Experimental
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Shijiazhuang (Hebei), China

STABLE ISOTOPE LABORATORIES

- | | |
|---|--|
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Ljubljana, Yugoslavia</p> <p>(18) University of Waterloo,
Waterloo, Ontario, Canada</p> <p>(19) University of Witwatersrand,
Johannesburg, South Africa</p> <p>(20) Commonwealth Scientific and
Industrial Research Organization,
Glen Osmond, South Australia,
Australia</p> <p>(21) Institute of Nuclear Sciences,
Lower Hutt, New Zealand</p> <p>(22) Water Problems Institute,
Academy of Sciences,
Moscow, Russian Federation</p> <p>(23) Hydrogeological Experimental
Centre,
Shijiazhuang (Hebei), China</p> <p>(24) Centro de Energia Nuclear
na Agricultura,
Piracicaba, Brazil</p> <p>(25) Gabinete de Aplicaciones Nucleares,
Madrid, Spain</p> |
|---|--|

