Commission of the European Communities

environment and quality of life

EXCHANGE OF INFORMATION
CONCERNING ATMOSPHERIC POLLUTION
IN THE EUROPEAN COMMUNITY

ANNUAL REPORT 83
Daily data
Period: October 82 to September 83
Decision 82/459/EEC extending Decision 75/441/EEC

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Enex Group
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RESUMEN

En el presente informe se ofrece un estudio de los datos diarios referentes a los agentes contaminantes de la atmósfera específicos de los países de las Comunidades Europeas. Abarca el período comprendido entre octubre de 1982 y septiembre de 1983.

Para preservar la continuidad de los informes anuales, el formato de este documento es similar al de los informes de 1981 y 1982, aunque en él se han tenido en cuenta los comentarios y sugerencias de los coordinadores nacionales.

El informe se divide en dos partes. La primera consiste en una presentación general de las estaciones que han efectuado las mediciones; la segunda, en la que se evalúan los parámetros estadísticos que caracterizan la serie, consta a su vez de dos apartados :

- estadísticas descriptivas
- análisis periódicos.

El objetivo principal de este informe acerca del intercambio de información es crear un documento de referencia.

RESUME

Denne beretning indeholder en analyse af de daglige oplysninger om bestemte luftforurende stoffer i EF-landene. Den dækker tidsrummet fra oktober 1982 til september 1983.

Af hensyn til kontinuiteten i årsberetningerne er denne beretning stillet op på stort set samme måde som beretningerne fra 1981 of 1982, idet der dog er taget hensyn til de nationale koordinatorers bemærkninger og forslag.

Beretningen er delt i to dele. Den første del indeholder en generel beskrivelse af de målestationer, hvorfra oplysningerne stammer. Den anden del vedrører evalueringen af de statistiske parametre for serierne opdelt på :

- beskrivende statistik
- tidsrækkeanalyser.

Hovedformålet med denne beretning om udvekslingen af oplysninger er at opnå et opslagsværk.

ZUSAMMENFASSUNG

In diesem Bericht wird eine Analyse der aus den Mitgliedstaaten der Europäischen Gemeinschaft stammenden Tagesdaten für bestimmte Luftschadstoffe vorgelegt. Er erstreckt sich auf den Zeitraum Oktober 82 bis September 83.

Aus Gründen der Einheitlichkeit ist dieses Dokument ähnlich aufgebaut wie die Jahresberichte 81 und 82, berücksichtigt jedoch die Bemerkungen und Empfehlungen der nationalen Koordinatoren.

Der Bericht besteht aus zwei Teilen. Der erste enthält eine allgemeine Vorstellung der Stationen, die Messungen vorgelegt haben. Der zweite Teil enthält die Bewertung der statistischen Parameter der Meßreihen und ist wie folgt gegliedert :

- deskriptive Statistik
- Zeitreihenanalysen.

In erster Linie soll dieser Bericht über den gegenseitigen Austausch von Informationen ein Bezugsdokument darstellen.

ΠΕΡΙΛΗΨΗ

Η έκθεση αυτή παρουσιάζει μια ανάλυση των ημερήσιων στοιχείων για ορισμένα αερολύματα στις χώρες των Ευρωπαϊκών Κοινοτήτων. Καλύπτει την περίοδο από Οκτώβριο 1982 μέχρι Σεπτέμβριο 1983.

Με σκοπό να εξασφαλιστεί μία συνέχεια των ετήσιων εκθέσεων, η παρουσίαση αυτού του εγγράφου είναι όμοια με αυτήν των εκθέσεων του 81 και του 82 αλλά λαμβάνει υπόψη της τις παρατηρήσεις και τις προτάσεις των Εθνικών Συντονιστών.

Η έκθεση διαιρείται σε δύο μέρη. Το πρώτο μέρος αφορά μια γενική παρουσίαση των σταθμών οι οποίοι διαβίβασαν τις μετρήσεις τους. Το δεύτερο μέρος, που αναφέρεται στην αξιολόγηση των στατιστικών παραμέτρων που χαρακτηρίζουν τις σειρές των μετρήσεων, υποδιαιρείται σε :

- περιγραφική στατιστική
- αναλύσεις χρονικών σειρών.

Κύριος στόχος αυτής της έκθεσης ανταλλαγής πληροφοριών είναι να αποτελέσει έγγραφο αναφοράς.

ABSTRACT

This report presents an analysis of the daily data for specific atmospheric pollutants in the countries of the European Communities. It covers the period October 82 to September 83.

In order to ensure continuity of the annual reports, the presentation of this document is similar to the one of the reports 81 and 82 but taking into consideration the comments and suggestions of the National Coordinators.

The report is divided in two parts. The first part concerns a general presentation of the stations which submitted measurements. The second part related to the evaluation of the statistical parameters characterizing the series is divided into :

- descriptive statistics
- time series analyses.

The main goal of this report on the exchange of information is to present a reference document.

RESUME

Le présent rapport propose une analyse des données journalières relatives à la pollution atmosphérique par des polluants spécifiques dans les pays de la Communauté européenne. Il couvre la période d'octobre 1982 à septembre 1983.

En vue d'assurer une continuité dans la présentation des rapports, la présentation de ce document est similaire à celle des rapports annuels antérieurs, tout en tenant compte des commentaires et propositions émis par les coordinateurs nationaux.

Le rapport comprend deux parties. La première partie consiste en une présentation générale des stations qui ont fourni des mesures. La seconde partie a trait à l'évaluation des paramètres statistiques caractérisant les séries et comprend elle-même les deux sections suivantes :

- statistiques descriptives
- analyse des séries chronologiques.

L'objectif principal de ce rapport relatif à l'échange d'informations est de constituer un document de référence.

SOMMARIO

La presente relazione contiene un'analisi dei dati giornalieri relativi a determinati inquinanti atmosferici nei paesi della Comunità europea e riguarda il periodo compreso tra l'ottobre 1982 e il settembre 1983.

Volendo garantire una certa continuità nelle relazioni annuali il presente documento è stato redatto in maniera analoga a quella delle relazioni del 1981 e del 1982, pur tenendo conto dei commenti e dei suggerimenti dei coordinatori nazionali.

La relazione si compone di due parti : la prima presenta in generale le stazioni di misurazione che hanno trasmesso i dati mentre la seconda, relativa alla valutazione dei parametri statistici che caratterizzano le serie, si suddivide in :

- statistiche descrittive
- analisi di serie cronologiche.

L'obiettivo principale della presente relazione sullo scambio di informazioni è la presentazione di un documento di riferimento.

SAMENVATTING

Dit verslag bevat een analyse van de dagelijkse gegevens met betrekking tot de door specifieke stoffen veroorzaakte luchtverontreiniging in de landen van de Europese Gemeenschap. Het betreft de periode oktober 1982 tot en met september 1983.

Met het oog op de continuïteit van de jaarverslagen komt de presentatie van dit verslag in grote lijnen overeen met die van de jaarverslagen 1981 en 1982, met dien verstande dat er rekening is gehouden met de opmerkingen en suggesties van de nationale coördinatoren.

Het verslag bestaat uit twee delen. In het eerste deel wordt een algemene beschrijving van de meetstations gegeven. Het tweede deel, dat betrekking heeft op de evaluatie van de statistische parameters waarmee de datareeksen worden gekarateriseerd, is ingedeeld in :

- beschrijvende statistiek en
- tijdreeksanalyse.

Dit verslag met betrekking tot de gegevensuitwisseling is in de eerste plaats bedoeld als referentiedocument.

SUMÁRIO

O presente relatório apresenta uma análise dos dados diários sobre poluentes atmosféricos específicos nos países das Comunidades Europeias. Abrange o período de Outubro de 1982 a Setembro de 1983.

Para assegurar a continuidade dos relatórios anuais, a apresentação deste documento é semelhante à dos relatórios de 1981 e 1982, tomando ainda em consideração os comentários e sugestões dos coordenadores nacionais.

O relatório divide-se em duas partes. A primeira diz respeito à apresentação geral das estações que efectuaram medições. A segunda parte, referente à avaliação dos parâmetros estatísticos que caracterizam as séries, divide-se em :

- estatística descritiva
- análise de séries cronológicas.

O presente relatório sobre a troca de informações pretende essencialmente constituir um documento de referência.

C O N T E N T S

ACKNOWLEDGMENTS

We wish to express our appreciation to Mr. A. Price for his constructive comments during the elaboration of this report. We also express our thanks to Mrs. M.-Ch. Van Houtte for her collaboration.

INTRODUCTION

The Council Decision 82/459/EEC extends the Decision 75/441/EEC which has established a common procedure for the exchange of information between the surveillance and monitoring networks based on data relating to atmospheric pollution caused by sulphur compounds and suspended particulates.

The new decision allows the measurements of additional pollutants i.e. NO_x, CO, O_3 and particulate heavy metals such as lead, cadmium, etc. over recommended averaging times.

To make the considerable amount of data submitted by the Member States available to the experts and to draw constructive conclusions on the content of the exchange of information on atmospheric pollution, annual reports summarizing the results of this exchange must be drafted.

It is important to consider the series of measurement received from the field stations in two perspectives, first on individual basis, to obtain records of each station and their characteristics, which may in turn lead to a representative selection or the establishment of standards. Secondly on a global basis to show the yearly European situation and hence to obtain an overall synopsis which may, for instance, fit into forecasting programmes. Both approaches are envisaged throughout this report and should certainly help clarifying the function and the role of such an important exchange system in the frame of the European programme for the protection of man and the environment.

This report covers only the pollutants for which the Council Decision recommends an averaging time of 24 hours: i.e. sulphur compounds, suspended particulates and heavy metals. The time period considered is from October 82 to September 83.

Chapter I. GENERAL PRESENTATION OF THE SERIES

This chapter covers three different items:

I.1 to I.3 : an overall description of the state of the exchange of information in the European Communities

I.4 and I.5 : some annual characteristics of the raw series

I.6 : technical remarks concerning the annual series.

It is important to remind that this report covers only the pollutants for which the Council Decision recommends an averaging time of 24 hours: i.e. sulphur compounds, suspended particulates and heavy metals.

The covered period extends from 1st October 1982 up to 30 September 1983.

I.1 CONTENT OF THE EXCHANGE OF INFORMATION

Table I.1 gives a summary of the number of the annual series with respect to the pollutant code.

Table I.1

	Pollutant code						
	1	2	3	4	19	28	Tot
	SO2	Smoke	SPM	Acid	Pb	Cd	
no. of annual series	160	96	88	115	13	12	484
percentage	33.1	19.8	18.2	23.8	2.7	2.5	100 %

The number of series transmitted by the Member States on SO_2 is predominent over the other pollutants.

As in 1982, heavy metals (lead and cadmium) are included in the exchange of information in accordance with the Council Decision 82/459/EEC. However, the number of annual series relating to these two pollutants remains very low compared with the number of series covering the traditional ones. Fig. I.1.1. illustrates Table I.1.

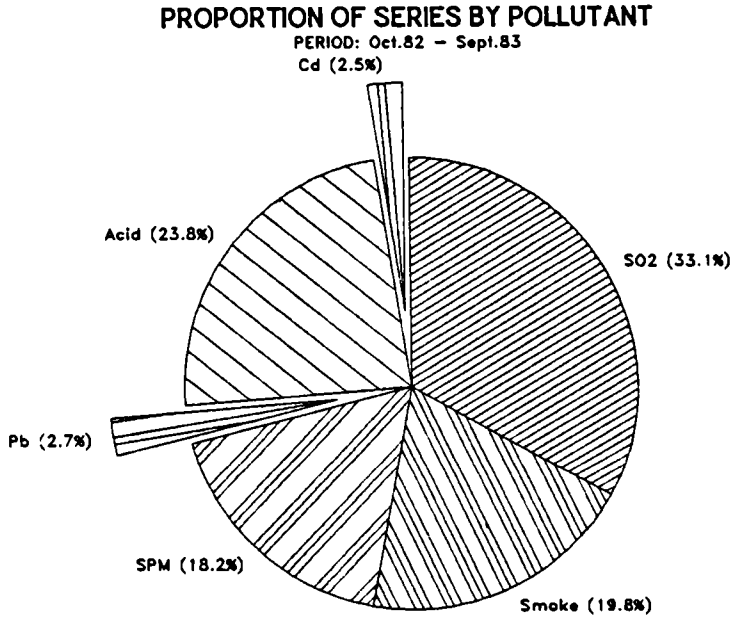


Fig. I.1.1

Table I.2, illustrated in Fig I.1.2, gives a summary of the number of the annual series with respect to the town class in terms of number of inhabitants.

Table I.2

	Town class - (inhabitants)						
	1 >2M	2 1-2M	3 .5-1M	4 .1-.5M	5 1-100m	6 <1m	Tot
no. of annual series	30	83	78	173	80	40	484
percentage	6.2	17.1	16.1	35.7	16.5	8.3	100 %

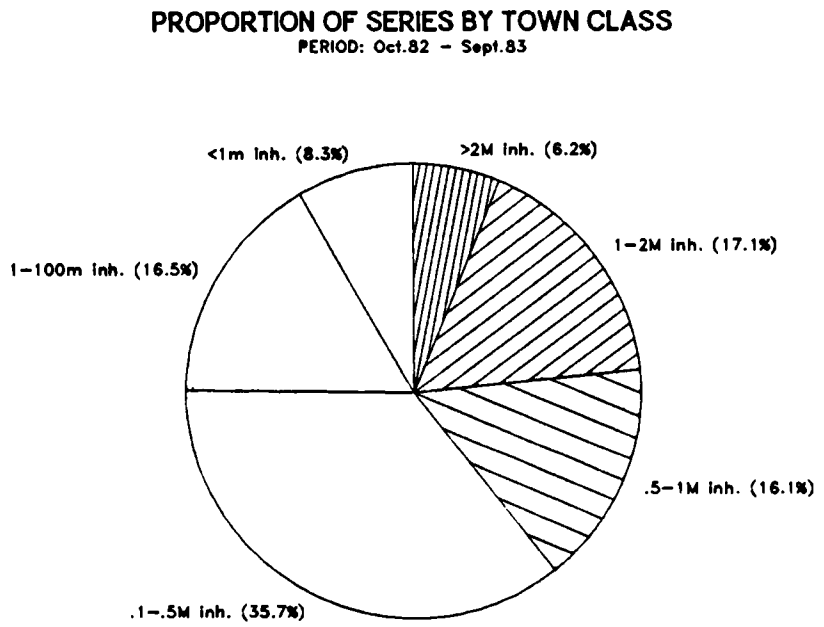


Fig. I.1.2

I.2 SUMMARY OF THE MEASURED POLLUTANTS BY COUNTRY AND BY TOWN CLASS

Table I.3 summarizes the number of annual series for each town class and for each pollutant. The results are grouped by countries.

Table I.3

	Town class	Pollutant 1 SO_2	2 Smoke	3 SPM	4 Acid	19 Pb	28 Cd	Tot
Belgium (B) code 1	1	0	0	0	0	0	0	0
	2	0	7	0	7	0	0	14
	3	0	6	0	6	0	0	12
	4	0	18	0	18	0	0	36
	5	0	6	0	6	0	0	12
	6	0	0	0	0	0	0	0
	all	0	37	0	37	0	0	74

	Town class	Pollutant 1 SO_2	2 Smoke	3 SPM	4 Acid	19 Pb	28 Cd	Tot
Federal Rep. of Germany (D) code 2	1	6	0	0	0	0	0	6
	2	10	0	5	0	0	0	15
	3	14	0	11	0	0	0	25
	4	23	0	20	0	0	0	43
	5	5	0	5	0	0	0	10
	6	16	0	15	0	0	0	31
	all	74	0	56	0	0	0	130

	Town class	Pollutant 1 SO_2	2 Smoke	3 SPM	4 Acid	19 Pb	28 Cd	Tot
Denmark (DK) code 3	1	0	0	0	0	0	0	0
	2	7	0	6	0	6	6	25
	3	0	0	0	0	0	0	0
	4	4	0	2	0	2	2	10
	5	8	0	4	0	4	4	20
	6	0	0	0	0	0	0	0
	all	19	0	12	0	12	12	55

	Town class	Pollutant 1 SO_2	2 Smoke	3 SPM	4 Acid	19 Pb	28 Cd	Tot
France (F) code 4	1	0	5	0	5	0	0	10
	2	7	5	0	5	0	0	17
	3	6	0	2	2	0	0	10
	4	3	15	6	30	0	0	54
	5	4	0	5	2	0	0	11
	6	0	0	0	0	0	0	0
	all	20	25	13	44	0	0	102

	Town class	Pollutant 1 SO_2	2 Smoke	3 SPM	4 Acid	19 Pb	28 Cd	Tot
Ireland (IRL) code 5	1	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0
	3	0	5	0	5	1	0	11
	4	0	1	0	1	0	0	2
	5	0	2	0	2	0	0	4
	6	0	0	0	0	0	0	0
	all	0	8	0	8	1	0	17

	Town class	Pollutant 1 SO_2	2 Smoke	3 SPM	4 Acid	19 Pb	28 Cd	Tot
Italy (I) code 6	1	6	0	0	0	0	0	6
	2	3	0	3	0	0	0	6
	3	0	0	0	0	0	0	0
	4	4	0	3	0	0	0	7
	5	2	0	1	0	0	0	3
	6	0	0	0	0	0	0	0
	all	15	0	7	0	0	0	22

	Town class	Pollutant 1 SO_2	2 Smoke	3 SPM	4 Acid	19 Pb	28 Cd	Tot
Luxembourg (L) code 7	1	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0
	5	0	4	0	4	0	0	8
	6	0	1	0	1	0	0	2
	all	0	5	0	5	0	0	10

	Town class	Pollutant 1 SO_2	2 Smoke	3 SPM	4 Acid	19 Pb	28 Cd	Tot
The Netherlands (NL) code 8	1	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0
	3	12	0	0	0	0	0	12
	4	7	0	0	0	0	0	7
	5	6	0	0	0	0	0	6
	6	7	0	0	0	0	0	7
	all	32	0	0	0	0	0	32

	Town class	Pollutant 1 SO_2	2 Smoke	3 SPM	4 Acid	19 Pb	28 Cd	Tot
United Kingdom (GB) code 9	1	0	4	0	4	0	0	8
	2	0	3	0	3	0	0	6
	3	0	4	0	4	0	0	8
	4	0	7	0	7	0	0	14
	5	0	3	0	3	0	0	6
	6	0	0	0	0	0	0	0
	all	0	21	0	21	0	0	42

This table deserves some comments:

- two countries (Denmark and Ireland) have transmitted data on the heavy metals.

- except for France, Denmark, Ireland and The Netherlands transmitting data on respectively 4, 4, 3 and 1 pollutants, the other countries report for a couple of pollutants (SO_2 - SPM or Smoke - Acid).

- three countries (Germany, Luxemburg and The Netherlands) have transmitted data from background sites.

- the breakdown by town class group of the annual series sent by each Member State is not always well balanced.

Figure I.2.1 shows the breakdown of the annual series by country.

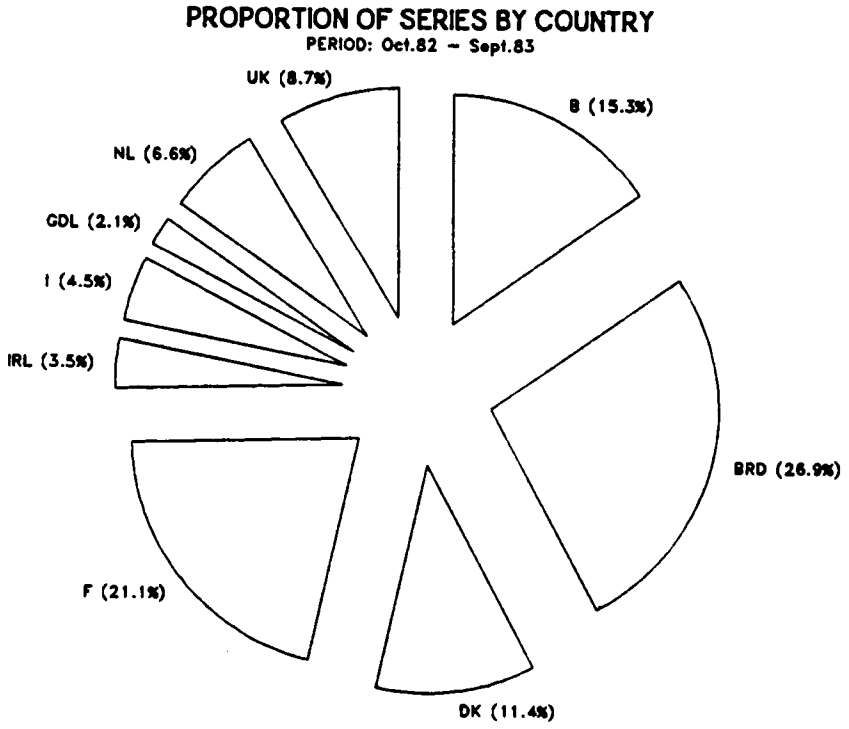


Fig. I.2.1

I.3 BREAKDOWN OF THE ANNUAL SERIES BY THE MEASUREMENT TECHNIQUE CODES

Table I.4 compares the measurement technique codes used by each Member State for the period October 82 - September 83 in terms of annual series. The results are grouped by pollutant.
It is important to remind that the codes of measurement techniques not only cover the sampling and the calibration method but also in some countries, the laboratory or the organization responsible for the analysis.

Table I.4

No. of annual series for SO_2

TM	B	D	DK	F	IRL	I	L	NL	GB	Tot
2	0	0	0	0	0	0	0	32	0	32
3	0	6	0	0	0	0	0	0	0	6
4	0	10	0	0	0	0	0	0	0	10
5	0	4	0	0	0	0	0	0	0	4
6	0	4	0	0	0	0	0	0	0	4
7	0	2	0	0	0	0	0	0	0	2
9	0	14	0	0	0	0	0	0	0	14
10	0	5	0	0	0	0	0	0	0	5
12	0	6	0	0	0	0	0	0	0	6
13	0	15	0	0	0	0	0	0	0	15
20	0	0	0	0	0	6	0	0	0	6
21	0	0	0	0	0	3	0	0	0	3
22	0	0	0	0	0	3	0	0	0	3
24	0	0	0	0	0	3	0	0	0	3
26	0	8	0	0	0	0	0	0	0	8
27	0	0	12	0	0	0	0	0	0	12
28	0	0	1	0	0	0	0	0	0	1
29	0	0	6	0	0	0	0	0	0	6
35	0	0	0	7	0	0	0	0	0	7
36	0	0	0	11	0	0	0	0	0	11
37	0	0	0	2	0	0	0	0	0	2
all	0	74	19	20	0	15	0	32	0	160

No. of annual series for Smoke

TM	B	D	DK	F	IRL	I	L	NL	GB	Tot
1	0	0	0	0	0	0	5	0	0	5
3	37	0	0	0	0	0	0	0	0	37
4	0	0	0	0	5	0	0	0	0	5
5	0	0	0	0	2	0	0	0	0	2
6	0	0	0	0	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	21	21
10	0	0	0	25	0	0	0	0	0	25
all	37	0	0	25	8	0	5	0	21	96

No. of annual series for SPM

TM	B	D	DK	F	IRL	I	L	NL	GB	Tot
2	0	8	0	0	0	0	0	0	0	8
3	0	3	0	0	0	0	0	0	0	3
5	0	1	0	0	0	0	0	0	0	1
6	0	10	0	0	0	0	0	0	0	10
8	0	14	0	0	0	0	0	0	0	14
15	0	0	0	0	0	7	0	0	0	7
18	0	0	0	13	0	0	0	0	0	13
25	0	7	0	0	0	0	0	0	0	7
26	0	13	0	0	0	0	0	0	0	13
47	0	0	12	0	0	0	0	0	0	12
all	0	56	12	13	0	7	0	0	0	88

No. of annual series for Acid

TM	B	D	DK	F	IRL	I	L	NL	GB	Tot
1	0	0	0	0	0	0	5	0	0	5
3	37	0	0	0	0	0	0	0	0	37
4	0	0	0	0	5	0	0	0	0	5
5	0	0	0	0	2	0	0	0	0	2
6	0	0	0	0	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	21	21
8	0	0	0	10	0	0	0	0	0	10
10	0	0	0	4	0	0	0	0	0	4
11	0	0	0	30	0	0	0	0	0	30
all	37	0	0	44	8	0	5	0	21	115

No. of annual series for Lead

TM	B	D	DK	F	IRL	I	L	NL	GB	Tot
1	0	0	12	0	0	0	0	0	0	12
2	0	0	0	0	1	0	0	0	0	1
all	0	0	12	0	1	0	0	0	0	13

No. of annual series for Cadmium

TM	B	D	DK	F	IRL	I	L	NL	GB	Tot
1	0	0	12	0	0	0	0	0	0	12
all	0	0	12	0	0	0	0	0	0	12

This table indicates whether countries are using one code preferably or not.

Although it does not appear in the previous table, it is also worth noting that 7 stations of Denmark measure SO_2 according to two different measurement techniques. These stations as well as the techniques used are presented in Table I.5:

Table I.5

TM	Measurement technique	Station identifier PPCVVSSS	Town name
27	colorimetric	03201103	Kobenhaven
28	coulometric		
27	colorimetric	03401815	Aalborg
		03402915	Odense
		03501565	Esbjerg
29	UV fluorescence	03502515	Fredericia
		03503351	Naestvest
		03504635	Randers

For more details about the measurement techniques, the reader should refer to the Descriptive Table of the Commission.

Figures I.3.1 to I.3.7 (see pages F1 to F7) present the coefficients of correlation and the orthogonal regression lines for these seven stations. Fig. I.3.1, I.3.2 and I.3.7 point out some peculiar measurements aligned along the vertical axis. In such a case the regression line could be biased.

Except for heavy metals for which only few series have been transmitted, the content of the exchange of information summarized in this chapter corresponds well to the Decision of the Council 82/459/EEC. However, one must point out that the whole set of values involved in this exchange does not necessarily reflect the real situation of the atmospheric pollution in the European Communities for the following reasons:

- the exchange of information concerns only a selection of measurement stations.
- the majority of the stations are located in urban areas.
- the coverage is not equivalent in each Member State.
- the policy for placing stations differs between Member States and even regions or towns.

I.4 THE MONTHLY MEDIAN

Before applying any treatment on the data received from the Member States, a reduction operation is necessary to obtain a useful and interpretable parameter.
One such reduction parameter is the monthly median, which gives the middle value of the ranked daily data. The tables of Annex 1 contain the list of the monthly medians for each station.
The results are computed on the basis of the (unselected) values received by the Commission. The measurement units are the $\mu g/m^3$ for

SO_2, Smoke, SPM and Acid. The values for Pb and Cd are expressed in ng/m^3.

The representativity of the median values is related to the number of daily measured values.

I.5 CHARACTERISTICS OF THE ANNUAL SERIES

Annex 2 summarizes the main characteristics and occurrences shown by all the series before any selection.

The first ten columns concern the completeness of the series and point out several limit values:

MONTH — label used: month

number of months (monthly records) stored in the archives of the Commission for the period October 82 - September 83.

BLANK and REP — labels used: bla and rep

respectively the numbers of BLANK and REP found in the records. The label BLANK is a letter code used for a day with no valid measurement for any reason, while the label REP is the code used to indicate a single measurement over several days.

FIVE SPACES FIELDS — label used: spa

number of five spaces fields found in the records. These fields symbolize a non existing day in the year (e.g 31st September). Normally each series should contain 7 fields "space" for the period October 82 - September 83 since all the monthly records contain 31 data fields.

NULL VALUES label used: ze

number of null values. From an analytical point of view, null values have no meaning and one should preferably speak about "below the detection limit".

VALUES ABOVE 9999 MEASUREMENT UNITS label used: >9999

number of values higher than 9999 measurement units considered as an upper limit above which values become unlikely and hence require confirmation from the Member State.

MEASURED VALUES label used: cas

number of cases or measured values found in the records. This excludes the BLANK, REP and spaces field but includes the null values.

MINIMUM and its OCCURRENCE labels used: min and occ

the lowest (non null) value observed and its occurrence.

MEDIAN label used: med

the median is computed on the basis of all the values found in the annual series. The null values are taken into consideration.

The following two columns of Annex 2 illustrate the practical accuracy of the series:

DISCONTINUITIES label used: gap

the number of discontinuities in a fixed range of the distribution i.e. between the minimum value and the median.

MISSING DIGIT label used: dig

symbol indicating the number of missing digits in the series. It is composed of a number of missing digits in the tens and a number of missing digits in the units. For example: 10 stations seem to report specific SO_2 to the nearest 10 $\mu g/m^3$ than to the nearest $\mu g/m^3$ (9 digits are missing in the units).

The last column of Annex 2 gives a status code for each series associated to the following hierarchical conditions:

hierarchical condition	status code
no. of month < 12	1
no. of BLANK + space > 177	2
no. of val. with concentration > 9999 measurement units	3
no. of measured values + REP < 240	4
no. of REP > 104	5
else	0

This status code will allow to select or to reject the series in the subsequent treatments.

The following histograms illustrate some of the results presented in Annex 2.

Figure I.5.1 shows the breakdown of the annual series with respect to the number of months contained in each series: 410 series (84.7%) contain 12 months. The average number of months per series is 11.85.

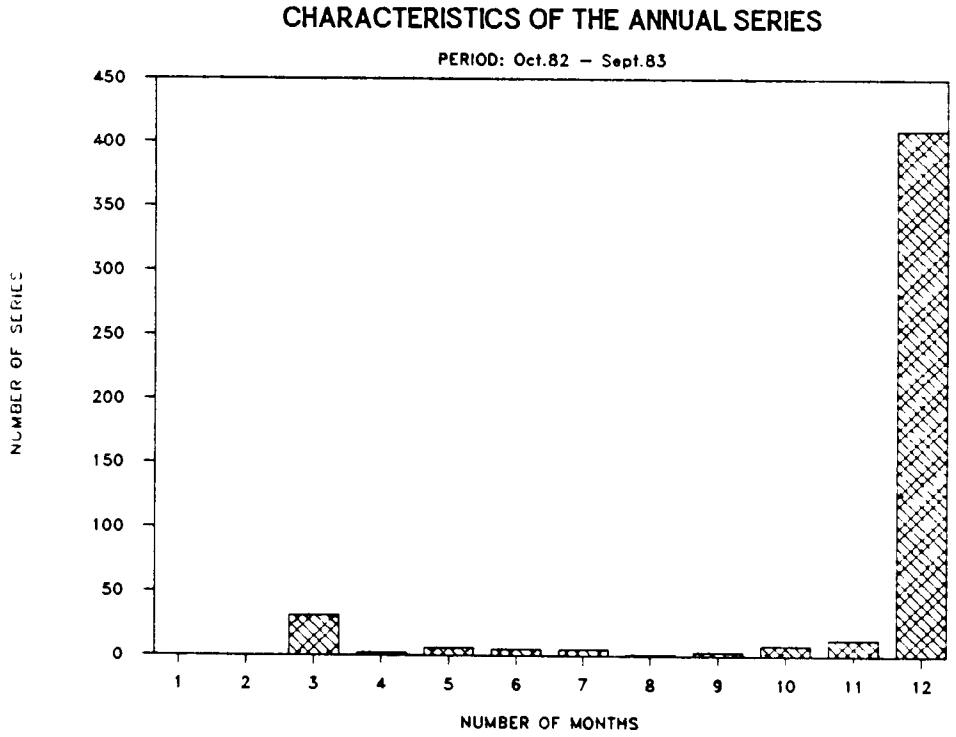

CHARACTERISTICS OF THE ANNUAL SERIES
PERIOD: Oct.82 – Sept.83
NUMBER OF SERIES
450
400
350
300
250
200
150
100
50
0
1
2
3
4
5
6
7
8
9
10
11
12
NUMBER OF MONTHS

Fig. I.5.1

Figure I.5.2 presents the breakdown of the series according to the percentage of measured values contained in each series (no meas. val./365).

The class noted "0" covers the series which contain less than 5% of measured values, the class "10" the series containing between 5 and 15% and so on.
342 series (70.6%) contain 75% and more of measured values.

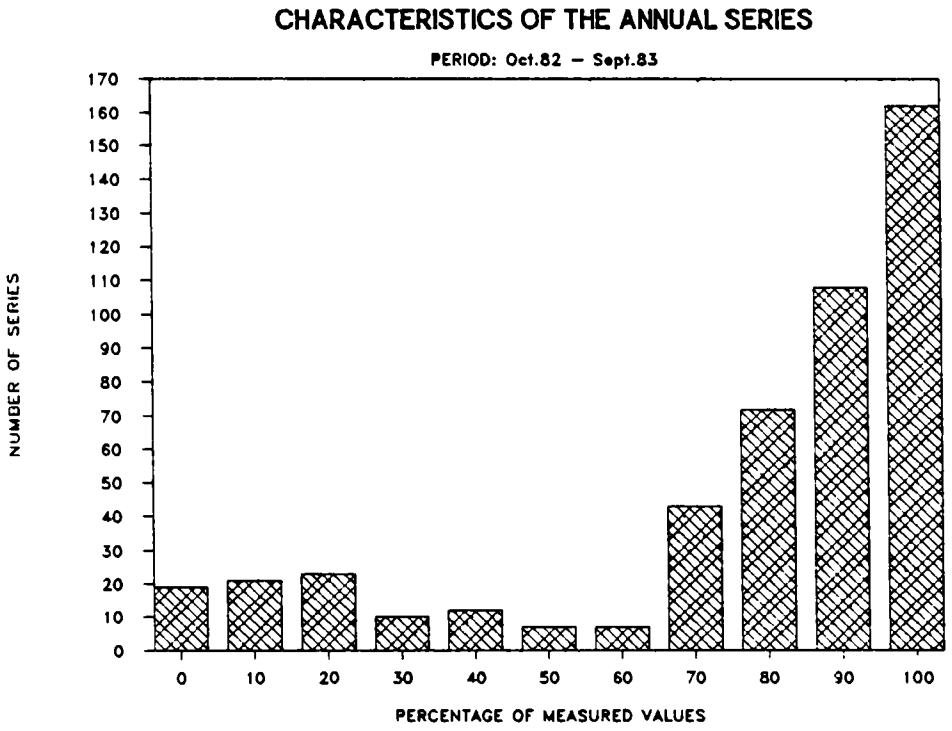


Fig. I.5.2

Figure I.5.3 presents the cumulated percentages of series containing a certain proportion of BLANK labels. The percentage of BLANK is determined by the ratio between the number of BLANK and the number of measurements plus the number of BLANK.

For SO_2, 81.3% of the series present a percentage below 25%. The figures are respectively of 84.4%, 79.6% and 76.5% for Smoke, SPM and Acid. No conclusion can be drawn for Lead and Cadmium as the number of series is very low.

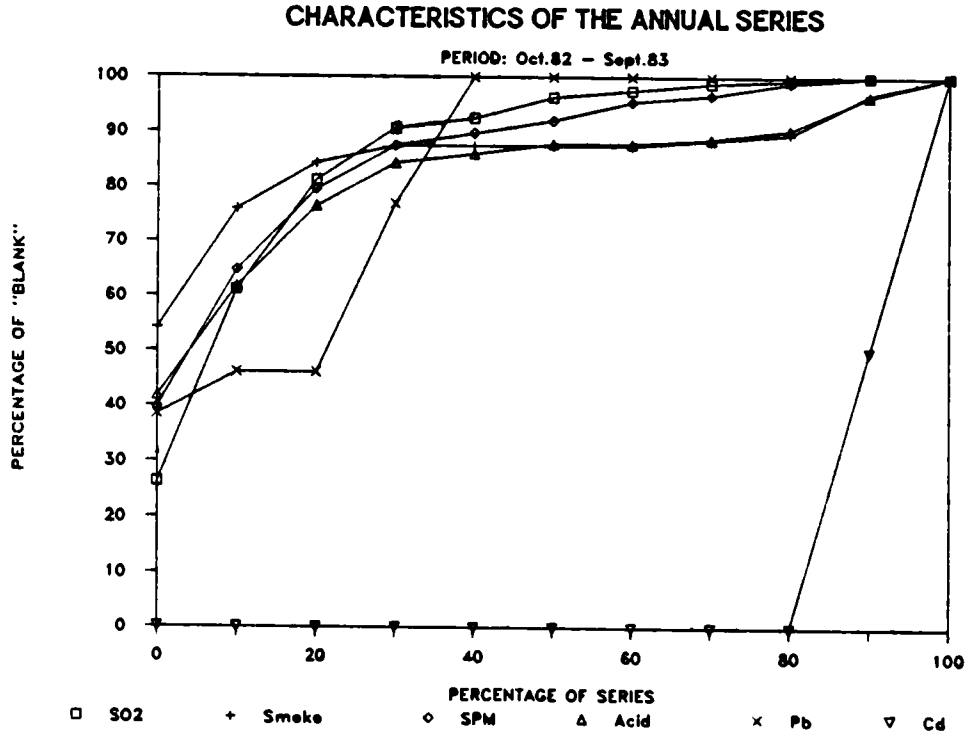


Fig. I.5.3

I.6 TECHNICAL REMARKS

The following technical remarks can be made on the 484 annual series:

I.6.1 A total of 5374 monthly records constituting the 484 series have been treated in Annexes 1 and 2.

I.6.2 One series containing 12 months is completely filled with BLANK labels. The identifier of this series is:

PPCVVSSS PLTM	town name
05502002 0405	Cork County

I.6.3 Two countries have used the REP labels: France and United Kingdom.

I.6.4 50.0% of the series for SO_2 and 51.3% of the series for Acid contain at least one null value (0). The percentages are lower for Smoke and SPM with respectively 8.3% and 11.4%.

I.6.5 No station has reported values above 9999 measurement units.

I.6.6 14 monthly records present the decimal field filled with a space character. All these records contain only BLANK labels. The identifiers are the following:

YYMM PPCVVSSS PLTM	YYMM PPCVVSSS PLTM
8306 02403001 0110	8306 02503001 0126
8308 02403001 0110	8301 02503001 0326
8302 02403001 0326	8306 02503001 0326
8309 02406110 0326	8301 02504001 0126
	8306 02504001 0126
8306 02413001 0126	8306 02504001 0326
8306 02413001 0326	
8306 02699024 0110	
8306 02699024 0326	

These records have not been taken into consideration for the elaboration of this report.

I.6.7 2 monthly records concerning SO_2 present a number of decimal of 3. The content of these records is the following:

```
YYMM PPCVVSSS PLTM SITN D DATA

8305 06201002 0122 1441 3 00000000000000000000000000000000000
                          00000000000000000000000000000000000
                          00000000000000000000000000000000000
                          00000000000000000000000000000000000
                          00000000000000031312808850000

8303 06408001 0124 1632 3 BLANKBLANKBLANKBLANKBLANKBLANKBLANK
                          00010BLANKBLANKBLANKBLANKBLANKBLANK
                          00008BLANKBLANKBLANKBLANKBLANKBLANK
                          00005BLANKBLANKBLANKBLANKBLANKBLANK
                          BLANKBLANKBLANK03032808850000
```

These records have not been taken into consideration for the elaboration of this report as a transmission problem seems to have taken place.

CHAPTER II. TREATMENT OF THE SELECTED SERIES

II.1 INTRODUCTION

This chapter presents three major topics:

- non parametric statistics
- parametric statistics
- some characteristics of the time series

Each of the above topics is accompanied by Annexes and Figures.

Table II.1 summarizes the number of series associated with one of the reject codes described in Annex 2.

Table II.1

country	reject code						total
	0	1	2	3	4	5	
1	56	6	12	0	0	0	74
2	110	16	4	0	0	0	130
3	25	30	0	0	0	0	55
4	83	7	8	0	4	0	102
5	13	0	2	0	1	1	17
6	10	11	1	0	0	0	22
7	8	2	0	0	0	0	10
8	29	0	2	0	1	0	32
9	34	2	2	0	0	4	42
total	368	74	31	0	6	5	484

The series associated with the code 1, 2, 3 and 4 are rejected in the subsequent treatments. The reader should refer to I.5 for the signification of these reject codes.

After the application of the selection criteria, 373 series have been retained out of which one concerns Lead. However, this last series will not be treated in the following data treatment. Indeed, the data on heavy metals require specific analysis.

Figure II.1.1 shows the proportion of rejected and selected series for the 4 traditional pollutants and Table II.2 summarizes the results of the selection process.

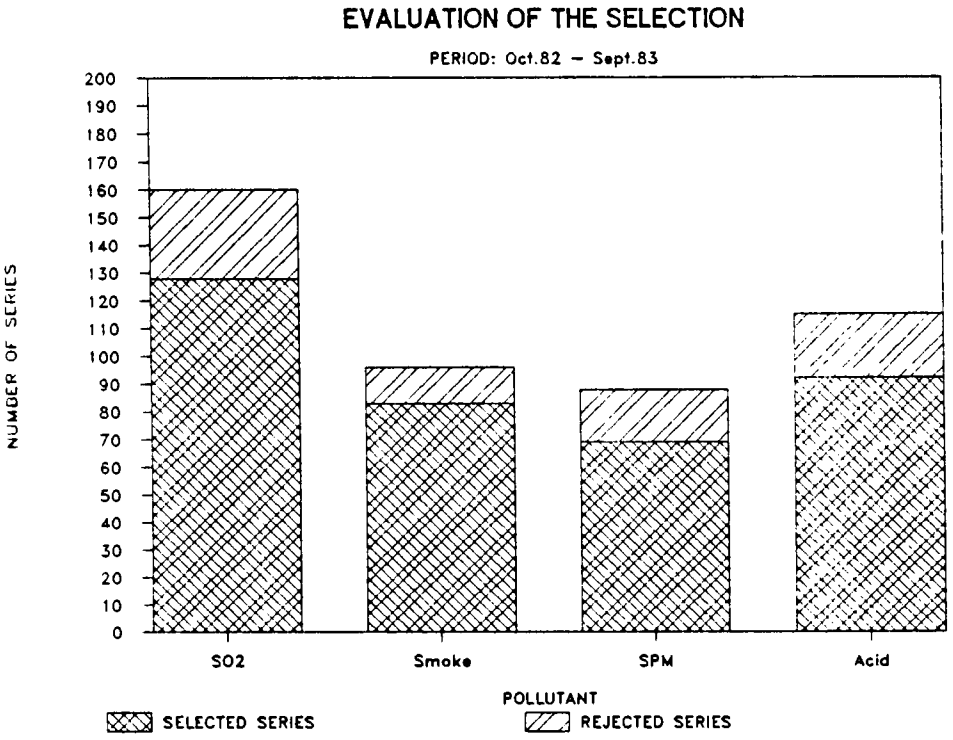


Fig. II.1.1

Table II.2

	pollutant				
	1 SO_2	2 Smoke	3 SPM	4 Acid	Tot
no. of annual series	160	96	88	115	459
no of annual series selected	128	83	69	92	372
percentage of selection	80.0	86.5	78.4	80.0	81.1 %

The selection has not modified significantly the repartition of the series between the classes of town (fig II.1.2).

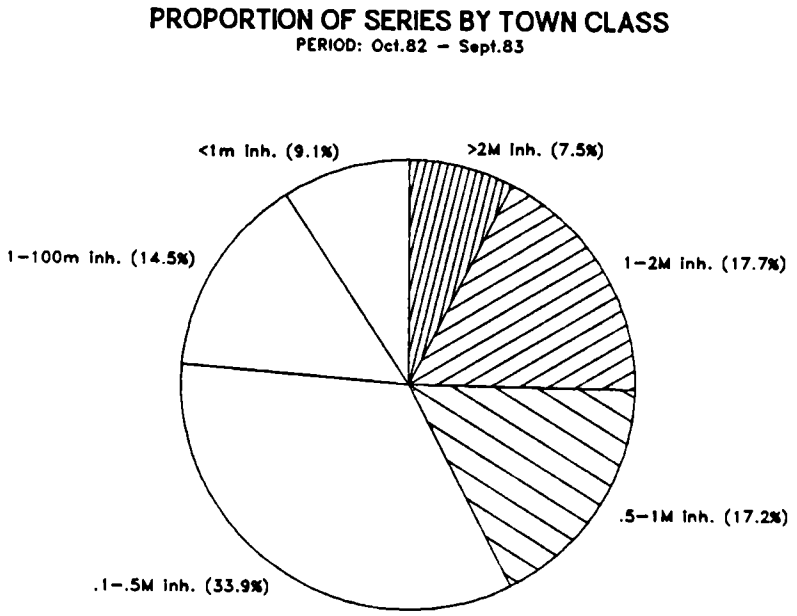


Fig. II.1.2

Before presenting the results of the treatments, it is important to underline three remarks:

- the representativity of the parameters used is dependent of the number of measured values. The selection performed previously guarantees a minimum of 240 daily values. This also means that 2/3 of the 12 months are covered and thus the series must necessarily contain measurements taken during both seasons.

- the statistics performed in this report are only descriptive statistics, and not inferential statistics. That is, the parameters presented are reductions of the sample of the measurements sent by each Member State, and not estimators of the effective pollution level of the area covered by the station.

- some parameters like the kurtosis may appear sophisticated. However these parameters are presented in this report because they show the characteristics of the distribution of the air pollution values.

II.2 NON-PARAMETRIC STATISTICS

Annex 3 gives the yearly percentiles 25, 50, 75, 95, 98 computed for the selected series and both the maximum and the minimum values recorded for each series.

This Annex should be compared with the plot of the median, the interquartile range and the 98 percentile for each series presented in the Fig. II.2.1 to II.2.9 (pages F.8 to F.16).
Such a presentation gives an idea of the dissymetry of the distribution. It also allows rapid comparison of the whole set of series grouped by pollutant.

Based also on results presented in Annex 3, two groups of scattered diagrams are presented for each pollutant, in the Fig. II.2.10 to II.2.17 (pages F.17 to F.24).

The first group (Fig. II.2.10 - II.2.13) concerns the correlation between central tendency parameters (median) and a marker of the higher values (percentile 98).

The second group (Fig. II.2.14 - II.2.17) concerns the correlation between central tendency parameters (median) and a central dispersion tendency parameter (interquartile range).

The relation between the median associated with a town and the town class is presented in Fig. II.2.18 (page F.25). The illustrative label used is the country code.
Comparisons between country levels are doubtful without knowledge of the conversion factors between the measurement methods.
Although the relationship between the global median value computed by town class and the town class itself differs between country, a decreasing trend is observed for SO_2.

II.3 PARAMETRIC STATISTICS

Annex 4 gives some descriptive statistics computed for the selected series: the mean, the standard deviation, the variation coefficient, the skewness, a shape estimator, and the kurtosis.

II.3.1 Definitions

A succinct description of the descriptive parameters computed is listed below (see definition in Comparative study on data analysis - part 2: Descriptive statistics and data reduction - Technical Report no 2, April 1984, APRECO).

MEAN Label used: mean

The mean is the most common measure of central tendency for variable measured at interval-level. Often referred to as the "average", it is merely the sum of the individual values for each case divided by the number of cases.

STANDARD DEVIATION Label used: std.d

The standard deviation is a measure of the dispersion of the data about the mean of an interval-level variable. This statistic is one way of measuring how closely the individual scores of the variable cluster around the mean. The standard deviation has the same units as the original variable.

VARIATION COEFFICIENT Label used: V

The variation coefficient is a relative measure of the dispersion (without units).

$$V = \text{std.d} / \text{mean}$$

SKEWNESS: Label used: skew

Skewness measures deviation from symmetry. The measure of skewness will take on a value of zero when the distribution is completely symmetric. A positive value indicates that the cases are clustered more to the left of the mean with most of the extreme values to the right. A negative value indicates clustering to the right. For example, a normal distribution is completely symmetric and has a skewness value of zero. A lognormal distribution is dissymetric with a positive value for skewness.

SHAPE ESTIMATOR: Label used: D

The skewness and the kurtosis are usually applied to compare the relative frequency function with the theoretically normal distribution. Since other shape may also be expected, an estimator D of the frequency distribution shape is defined:

$$D = \text{skew} / (V (V^2 + 3))$$

D has the following properties:

D = 0 normal distribution

D = 0.364 Maxwell

D = 0.37 Rayleigh

D = 0.5 Chi-Square with 2 degrees of freedom

D = 0.6 Chi-Square with 6 degrees of freedom

D = 1 log-normal.

KURTOSIS Label used: kurt

Kurtosis is a measure of the relative peakedness or flatness of the curve defined by the distribution.

A normal distribution will have a kurtosis of zero. If the kurtosis is positive, then the distribution is more peaked than a normal distribution, while a negative value means that it is flatter.

Remark:

Relative descriptive parameters (such as V, skew, D, kurt) can be used to compare stations or pollutants without any assumption of conversion factors.

II.3.2 Histograms: (Fig. II.3.1 to II.3.7)

The histograms corresponding to each of the above parameters are presented in Fig. II.3.1 to II.3.7 (pages F.26 to F.32). The histograms of the medians (presented in Annex 3) have also been included in these figures.

MEAN and MEDIAN (Fig. II.3.1 and II.3.2)

Compared to the mean, the shift of the median to the left illustrates the dissymetry of the distributions.

STANDARD DEVIATION (Fig II.3.3)

The maximum of standard deviation lies in the following range of values:

pollutant	% of series	range value std.d in $\mu g/m^3$
SO_2	65.7	10 - 30
Smoke	61.4	5 - 15
SPM	50.7	20 - 30
Acid	58.7	20 - 40

VARIATION COEFFICIENT (Fig. II.3.4)

The maximum of the annual variation coefficient lies in the following range of values:

pollutant	% of series	range value V
SO_2	69.5	0.6 - 1.0
Smoke	59.1	0.4 - 0.8
SPM	52.2	0.6 - 0.8
Acid	62.0	0.4 - 0.8

SKEWNESS (Fig. II.3.5)

Two series present a negative skewness for Smoke: 044031040210 and 044031060210.

All the other annual series have a positive skewness. This fact indicates that the frequency distribution is dissymmetric with left clustering.

pollutant	% of series	range value skw
SO_2	54.7	1.4 - 2.6
Smoke	60.3	1.0 - 2.6
SPM	60.1	1.0 - 1.8
Acid	59.7	1.0 - 2.2

A percentage of series have an annual skewness higher than 4.65. This high spreading of the frequency distribution could result from the effect of high pollution events during this year.

SHAPE ESTIMATOR (Fig. II.3.6)
As a general rule for all pollutants, the frequency distribution is far from a normal distribution (D=0) and not precisely a log-normal distribution (D=1).
The annual shape estimator lies in the range of 0.6 to 0.8 as a chi-square with a large degree of freedom (0.67).

KURTOSIS (Fig. II.3.7)
Except for SPM for which a marked peak is observed, the kurtosis values for the other pollutants are spread over large ranges. Only 6 series have a negative kurtosis.

II.4 CHARACTERISTICS OF THE TIME SERIES

Annex 5 contains some characteristics of the time series: the ratio of the number of summer to winter measurements, the seasonal percentiles 50 and 98, the parameters of the annual regression line and the number of the 3 days persistence for a concentration value higher than 125 $\mu g/m^3$.
The winter is defined as the period October 82 to March 83 and the summer, the period April 83 to September 83.
This is an arbitrary balanced splitting of the year. In fact, seasonal periodicity can only be detected by a spectral analysis of a time series performed over several years (e.g.: in a Summary Report).

The scatter diagrams between the median and the percentile 98 presented in Annex 5 are drawn for both seasons in Fig. II.4.1 to II.4.8 (pages F.33 to F.36).

Irrespective of the number of measurements made, the scatter of high values happens systematically in winter for SO_2, Smoke and Acid. Such a clear differentiation does not appear for SPM.

The Fig. II.4.9 to II.4.12 (pages F.37 to F.40) compare the percentiles of the winter and the summer period.
The orthogonal regressions are given for indicative purposes. The outliers labelled with an arrow are not included in the calculation of the regression line.
For SO_2, Smoke and Acid, the discrepancy between winter and summer seems to be systematic. The parameters used are in most cases higher in winter than in summer. There is no evidence of such a discrepancy for SPM.
It is also worth noting that the slopes of the regression lines of the 98 percentile are higher than the slopes of the median for all pollutants. The weight of the winter 98 percentiles is greater than for the winter medians indicating isolated pollution events of higher magnitude in winter.
Although one must also take into consideration the scattering of the points illustrated by the coefficients of correlation, such graphics show preculiar behavior of stations. For example, in the plot of the seasonal medians for SO_2 (Fig. II.4.9), some stations present summer values higher than winter value (plot below the diagonal). This fact is worth noting when considering the behavior of the other stations. This particularity is not shown for the 98 percentile which is more indicative of high and episodic pollution events.

Annex 6 gives the status of the isolated extremum of the monthly median values. To find out a relative dispersion of the monthly median values around a central tendency, Z is defined as the normalized monthly median :

$$Z = \frac{| X - MEAN |}{STD.D}$$

where the MEAN statistics is the mean of the monthly median distribution (X) excluding the minimum and maximum, and the STD.D statistics is the standard deviation of this distribution. Each normalized median value has been ranked from -5 to 5 according to the following intervals:

1	if	Z	$>$ 2.33	and	Z	$\leq$ 2.88
2	if	Z	$>$ 2.88	and	Z	$\leq$ 3.09
3	if	Z	$>$ 3.09	and	Z	$\leq$ 3.71
4	if	Z	$>$ 3.71	and	Z	$\leq$ 3.99
5	if	Z	$>$ 3.99			

The minus sign is given when the calculated monthly value is lower than the MEAN, the sign + when the value is higher. The variation range of the scale is thus extending from - 5 (minimum value at more than 3.99 standard deviation from the MEAN) to + 5 (maximum value at more than 3.99 standard deviation from the MEAN).

Tables of Annex 6 point out monthly values at least at 2.33 standard deviation from the MEAN tendency. The boxes left empty represent thus the monthly medians with values lower than 2.33.
Fig. II.4.13 (page F.41) illustrates the Annex 6 and presents the average value for each month.
For all pollutants there are more exceptional higher than lower months; this is confirmed by the distribution of the skewness described in Chapter II.3.

For SO_2, Smoke and Acid, exceptional high pollution events are more frequently observed in February (maximum average value).
SPM is characterized by positive average value in July and August.

FIGURES

COMMENTS ON FIGURES I.3.1 TO I.3.7

Figures I.3.1 to I.3.7 present the coefficient of correlation and the orthogonal regression lines for seven stations of Denmark using two different measurement techniques for SO_2.

The stations and techniques are the following:

TM	Measurement technique	Station identifier PPCVVSSS	Town name
27	colorimetric	03201103	Kobenhaven
28	coulometric		
		03401815	Aalborg
27	colorimetric	03402915	Odense
		03501565	Esbjerg
29	UV fluorescence	03502515	Fredericia
		03503351	Naestvest
		03504635	Randers

For more details, the reader should refer to the Descriptive Tables of the Commission.

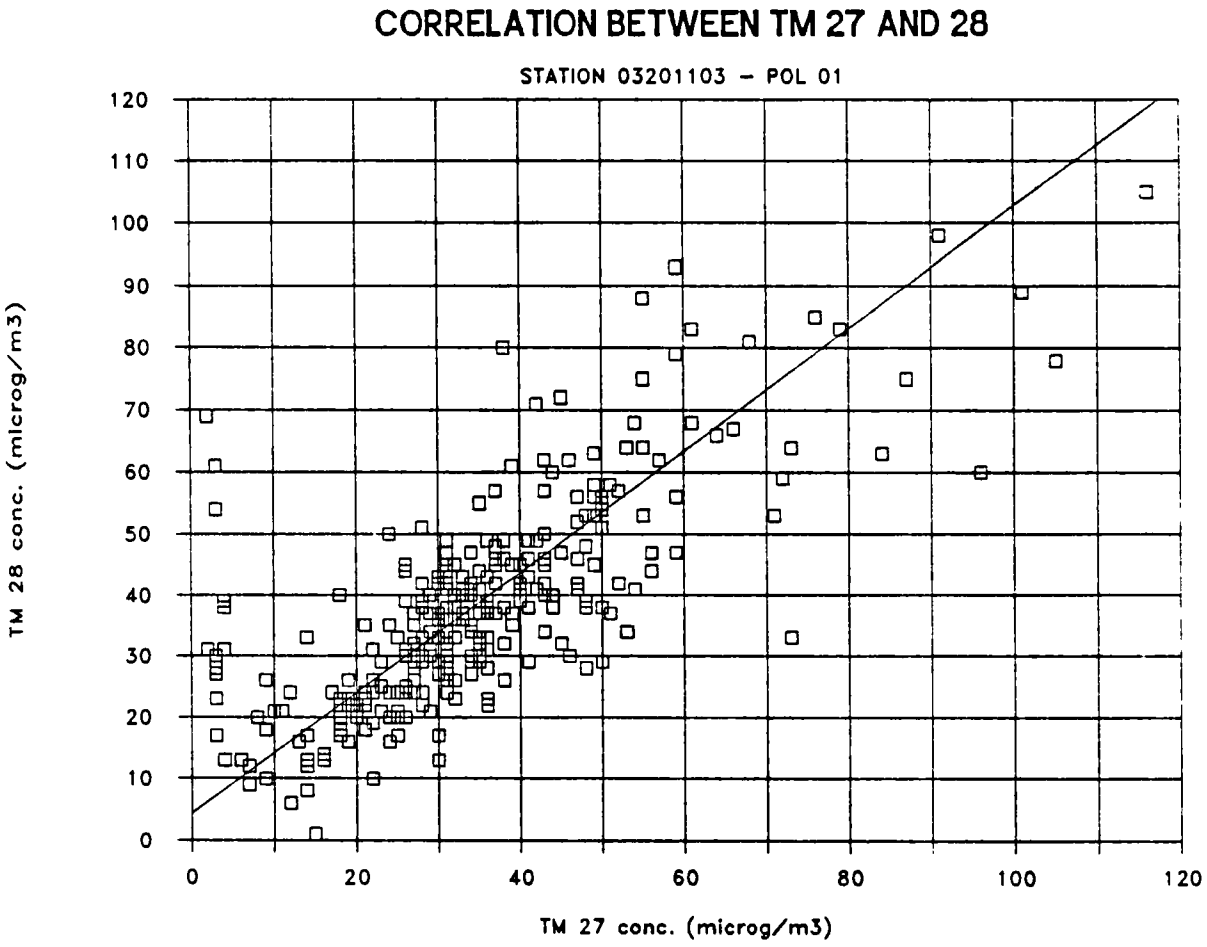


Fig. I.3.1

orthogonal regression line:

n: 308

slope: 0.98

int.: 4.36 $\mu g/m^3$

corr. coeff.: 0.757

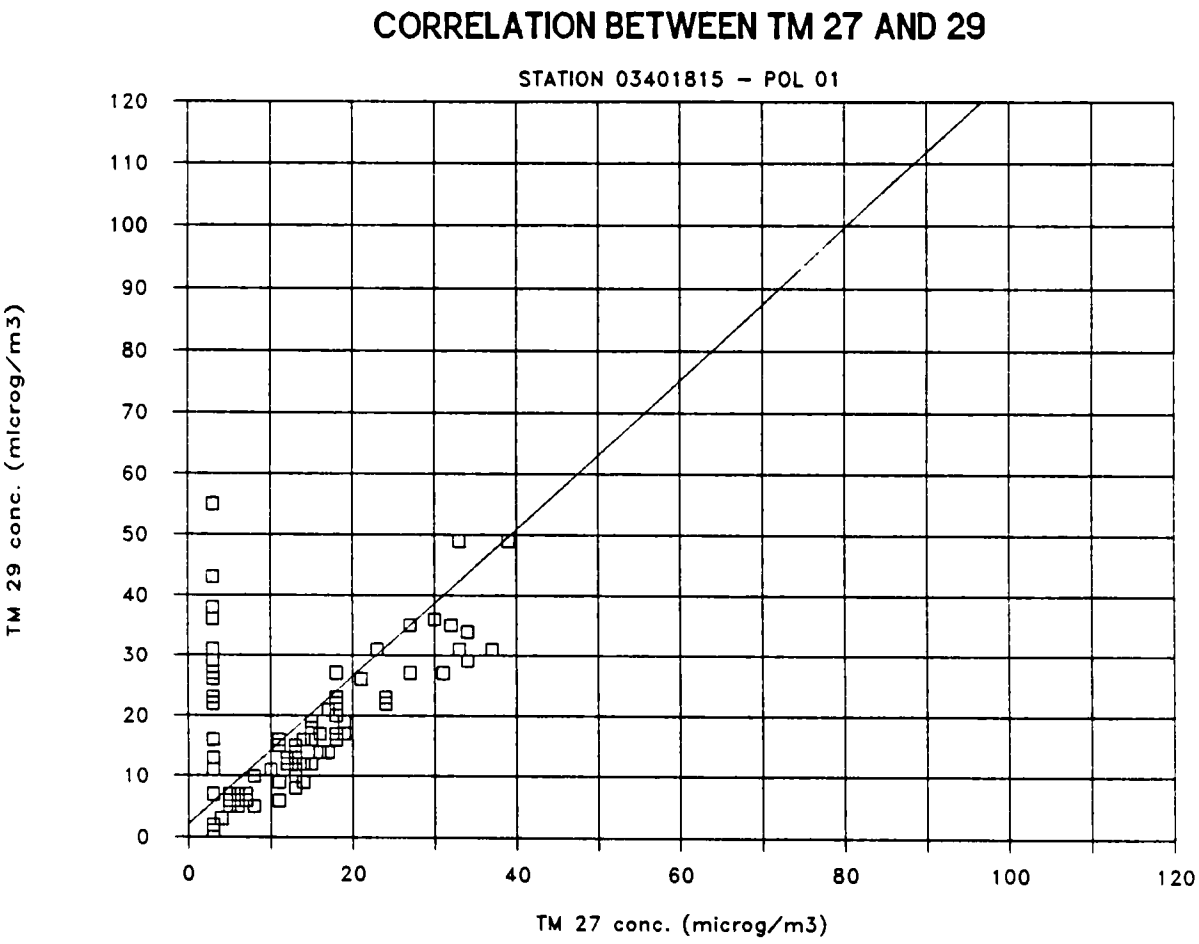


Fig. I.3.2

orthogonal regression line:

n: 83

slope: 1.22

int.: 2.10 $\mu g/m^3$

corr. coeff.: 0.473

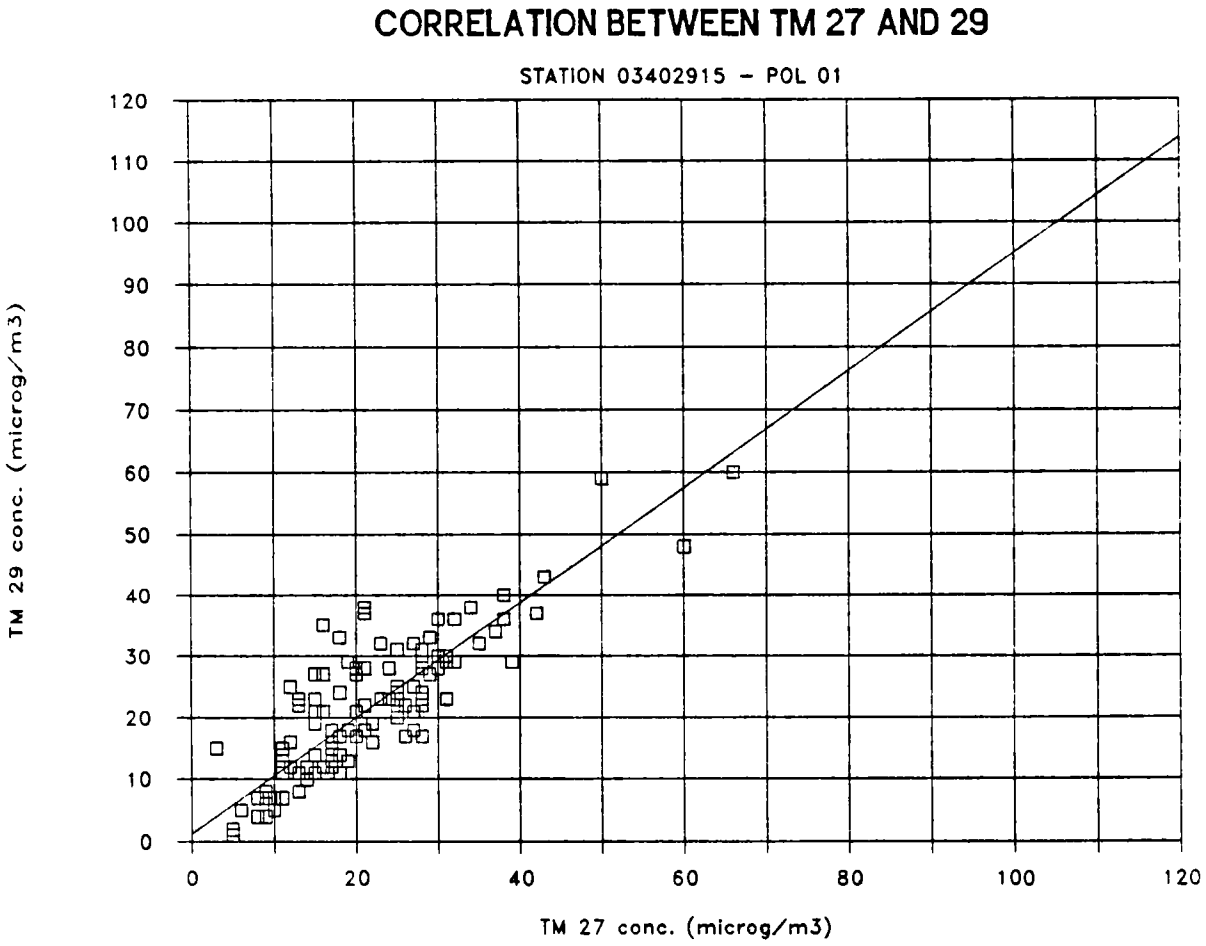


Fig. I.3.3

orthogonal regression line:

n: 114

slope: 0.94

int.: 1.28 $\mu g/m^3$

corr. coeff.: 0.904

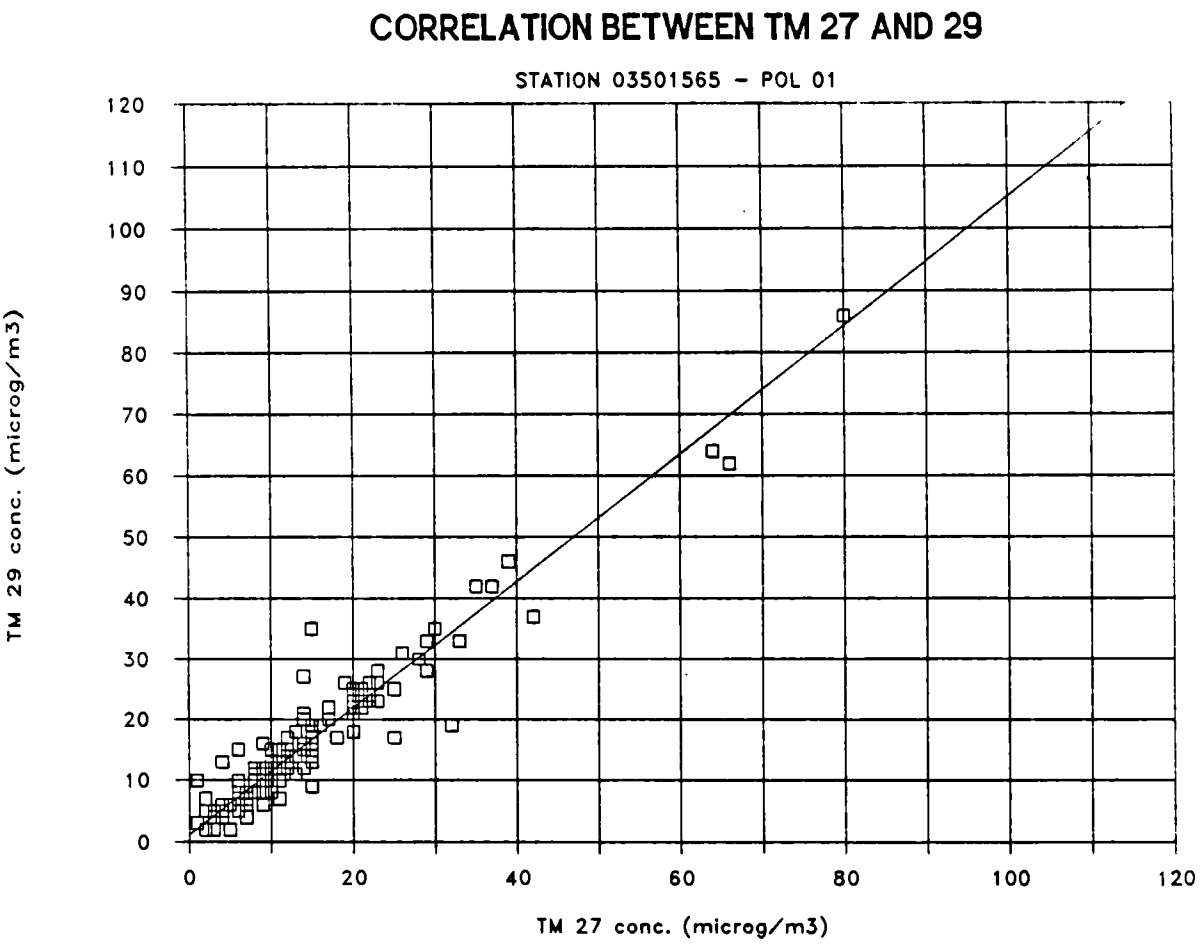


Fig. I.3.4

orthogonal regression line:

n: 133

slope: 1.04

int.: 1.21 $\mu g/m^3$

corr. coeff.: 0.954

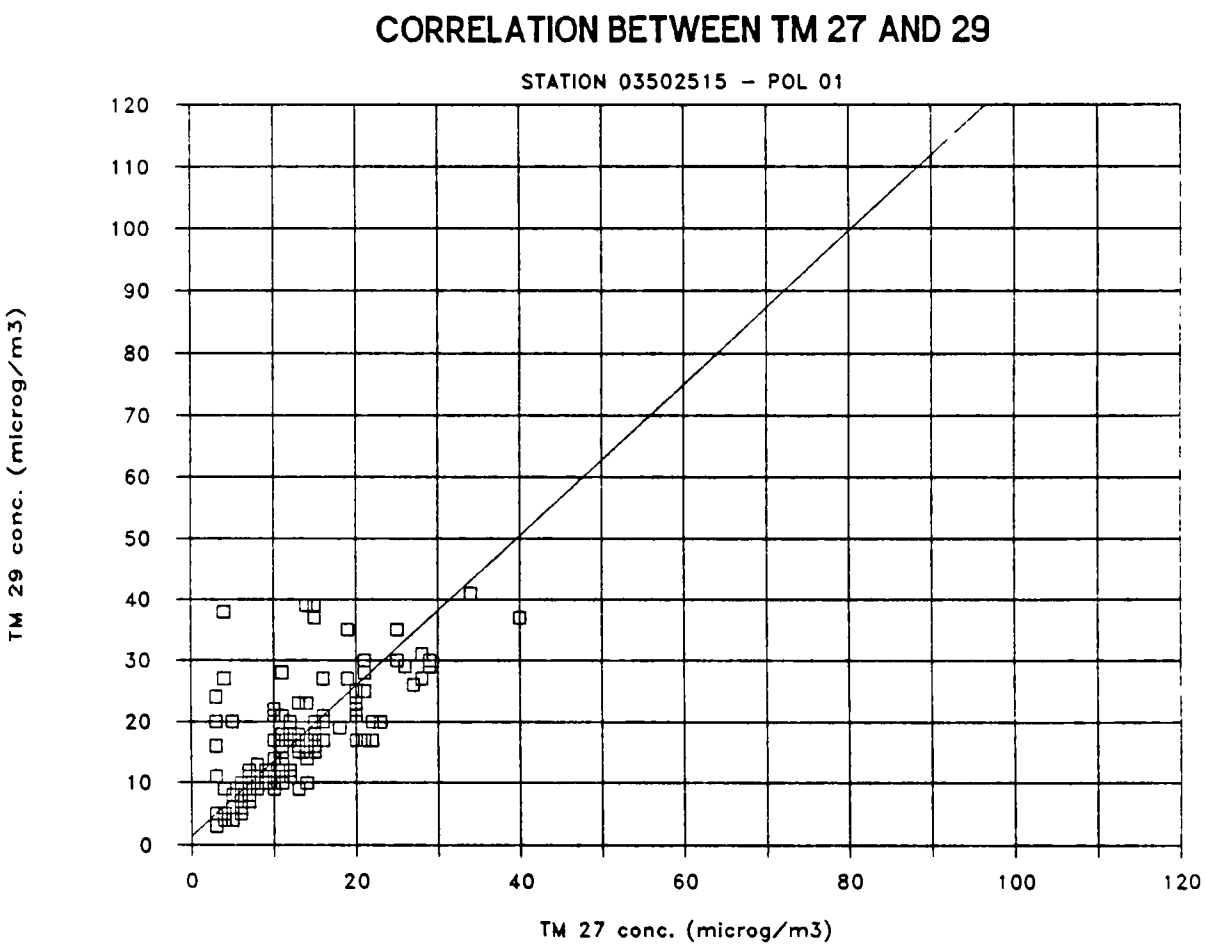


Fig. I.3.5

orthogonal regression line:

n: 139

slope: 1.23

int.: 1.32 $\mu g/m^3$

corr. coeff.: 0.708

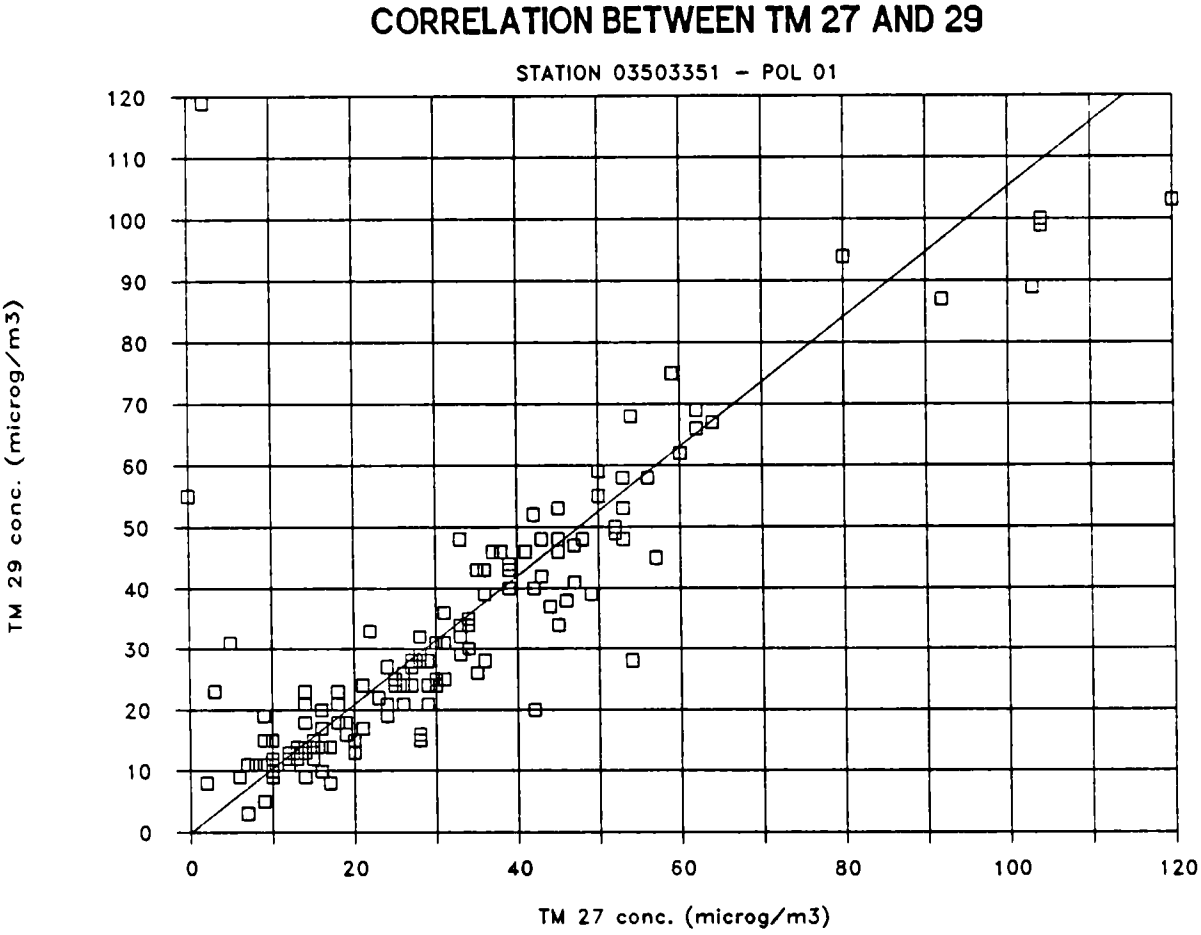


Fig. I.3.6

orthogonal regression line:

n: 139

slope: 1.05

int.: - 0.15 $\mu g/m^3$

corr. coeff.: 0.735

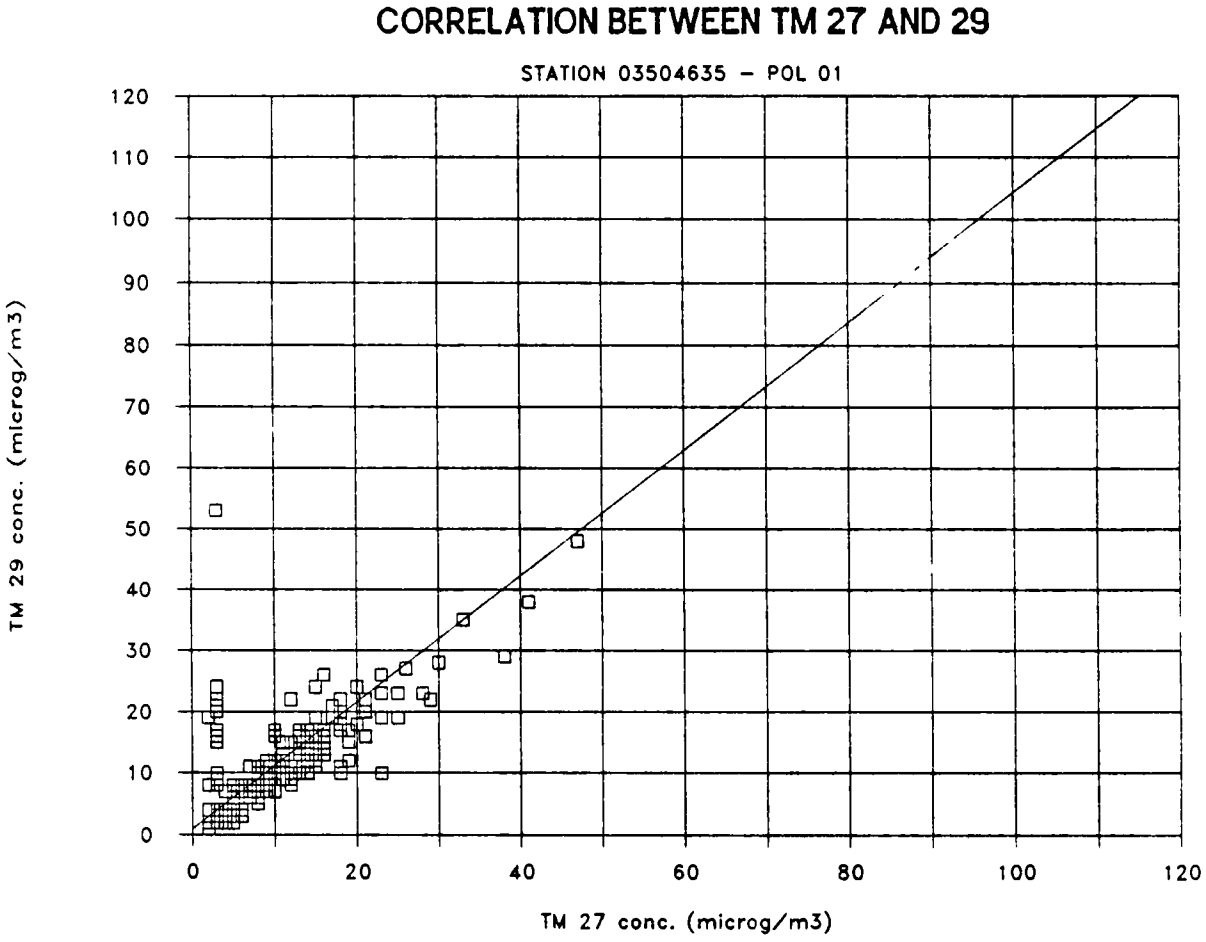


Fig. I.3.7

orthogonal regression line:

n: 175

slope: 1.03

int.: 0.93 $\mu g/m^3$

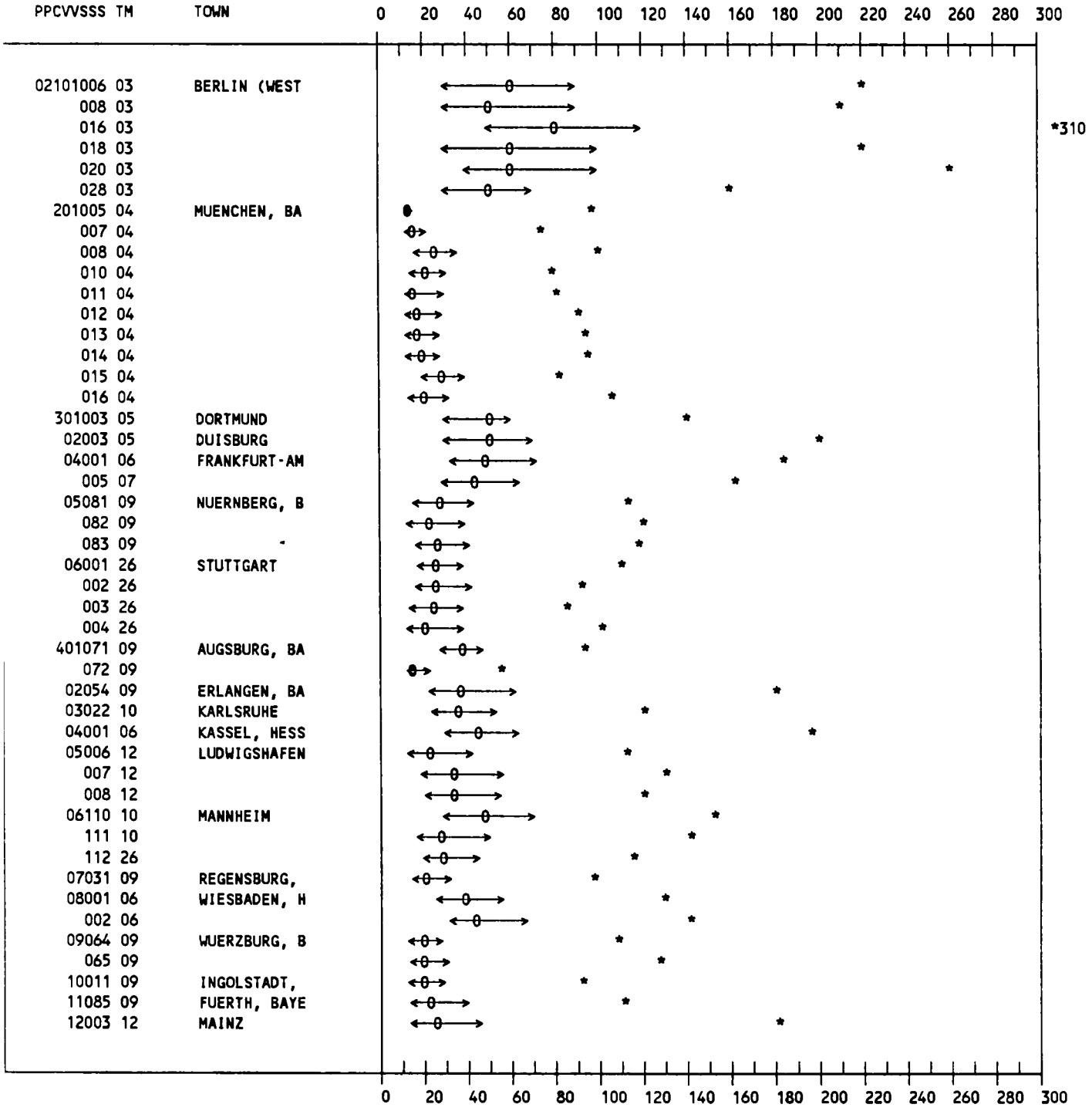
corr. coeff.: 0.680

Global representation of the percentiles 25 50 75 98 %

Pollutant : SO_2

Year : October 82 - September 83

Units : microgr/m^3



Caption : < 25 th percentile.
0 50 th percentile.
> 75 th percentile.
* 98 th percentile.

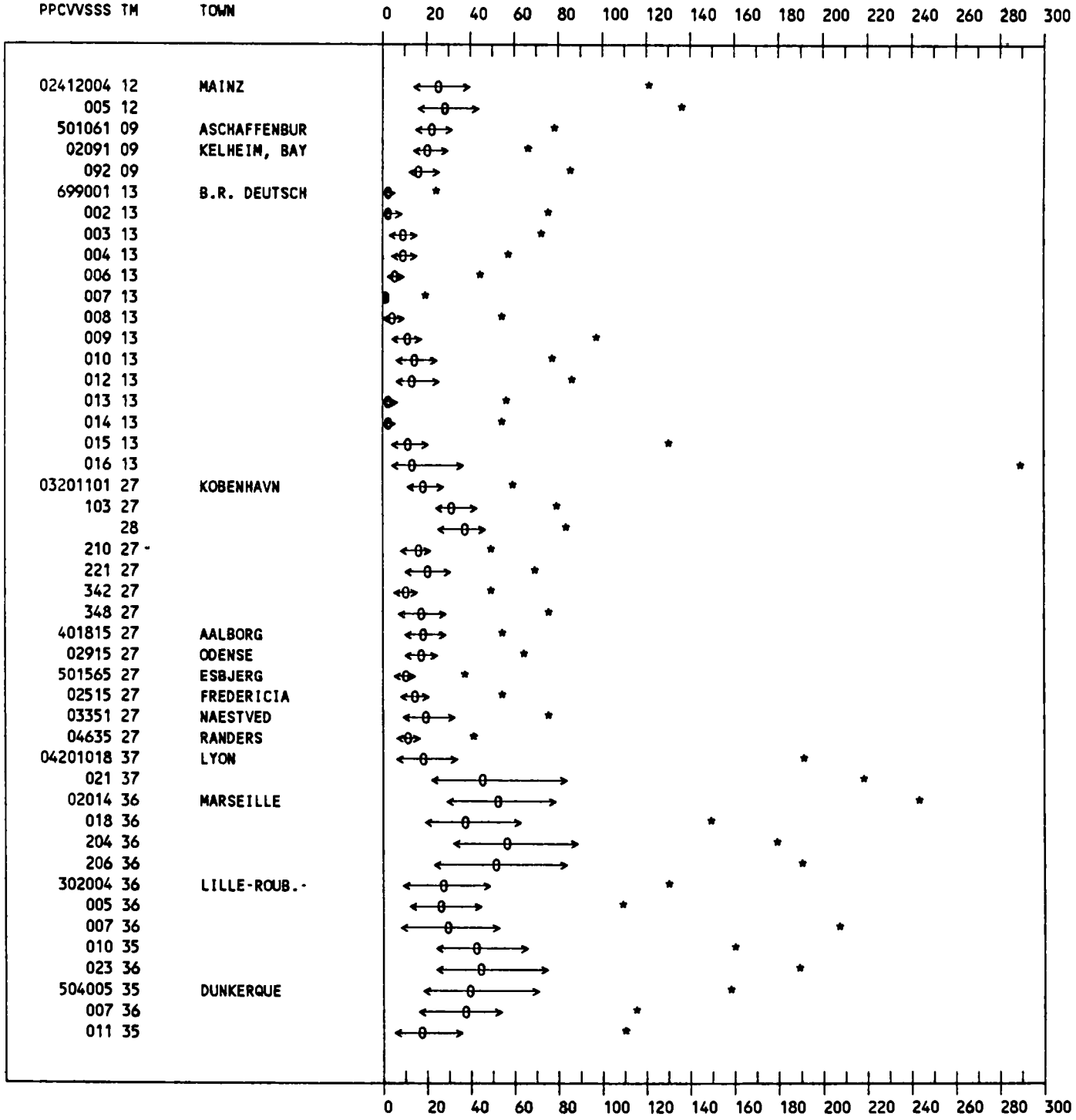
Fig. II.2.1

Global representation of the percentiles 25 50 75 98 %

Pollutant : SO_2

Year : October 82 - September 83

Units : microgr/m^3



Caption : < 25 th percentile.
0 50 th percentile.
> 75 th percentile.
* 98 th percentile.

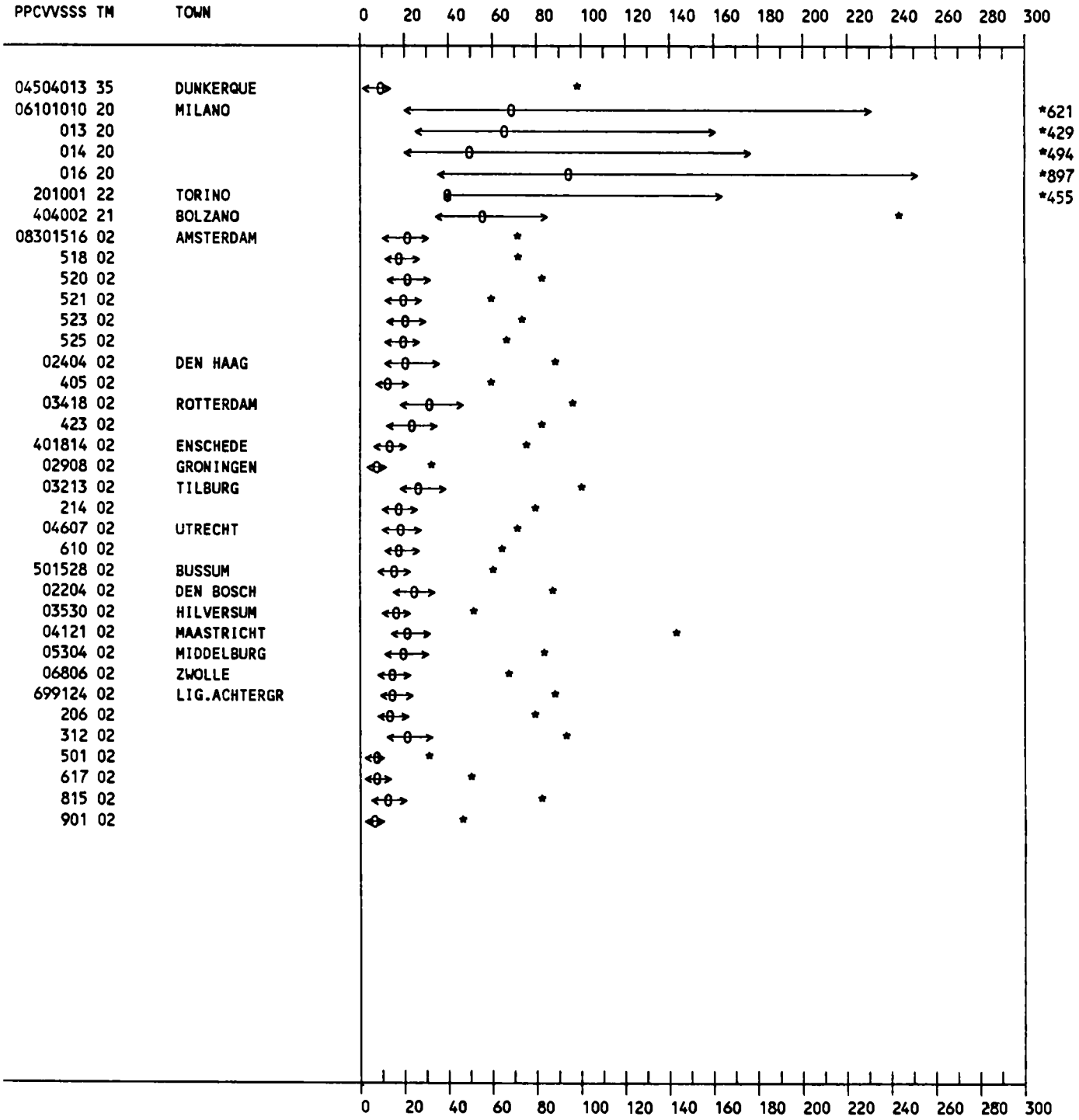
Fig. II.2.2

Global representation of the percentiles 25 50 75 98 %

Pollutant : SO_2

Year : October 82 - September 83

Units : microgr/m^3



Caption : < 25 th percentile.
0 50 th percentile.
> 75 th percentile.
* 98 th percentile.

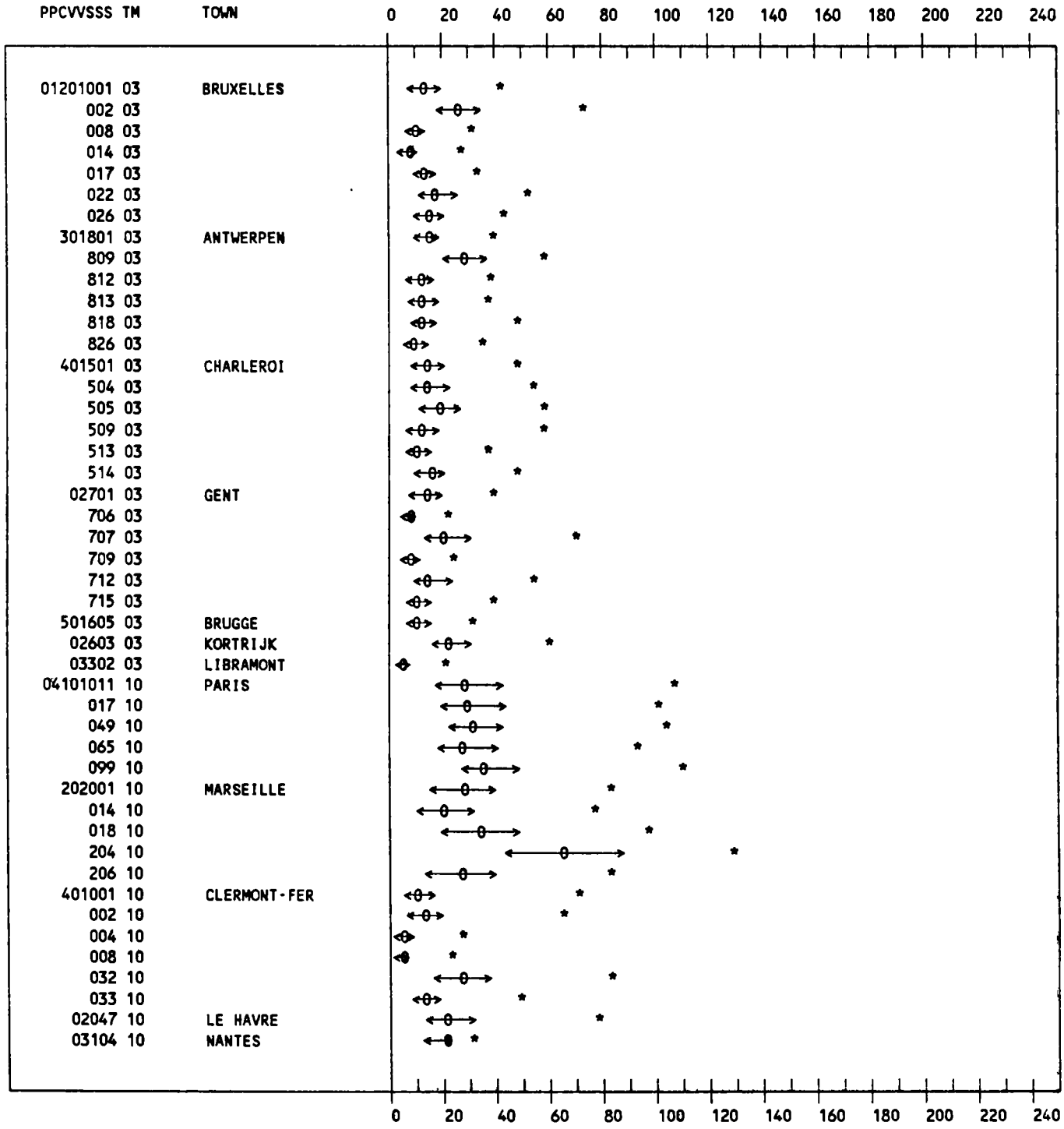
Fig. II.2.3

Global representation of the percentiles 25 50 75 98 %

Pollutant : Smoke

Year : October 82 - September 83

Units : microgr/m^3



Caption : < 25 th percentile.
0 50 th percentile.
> 75 th percentile.
* 98 th percentile.

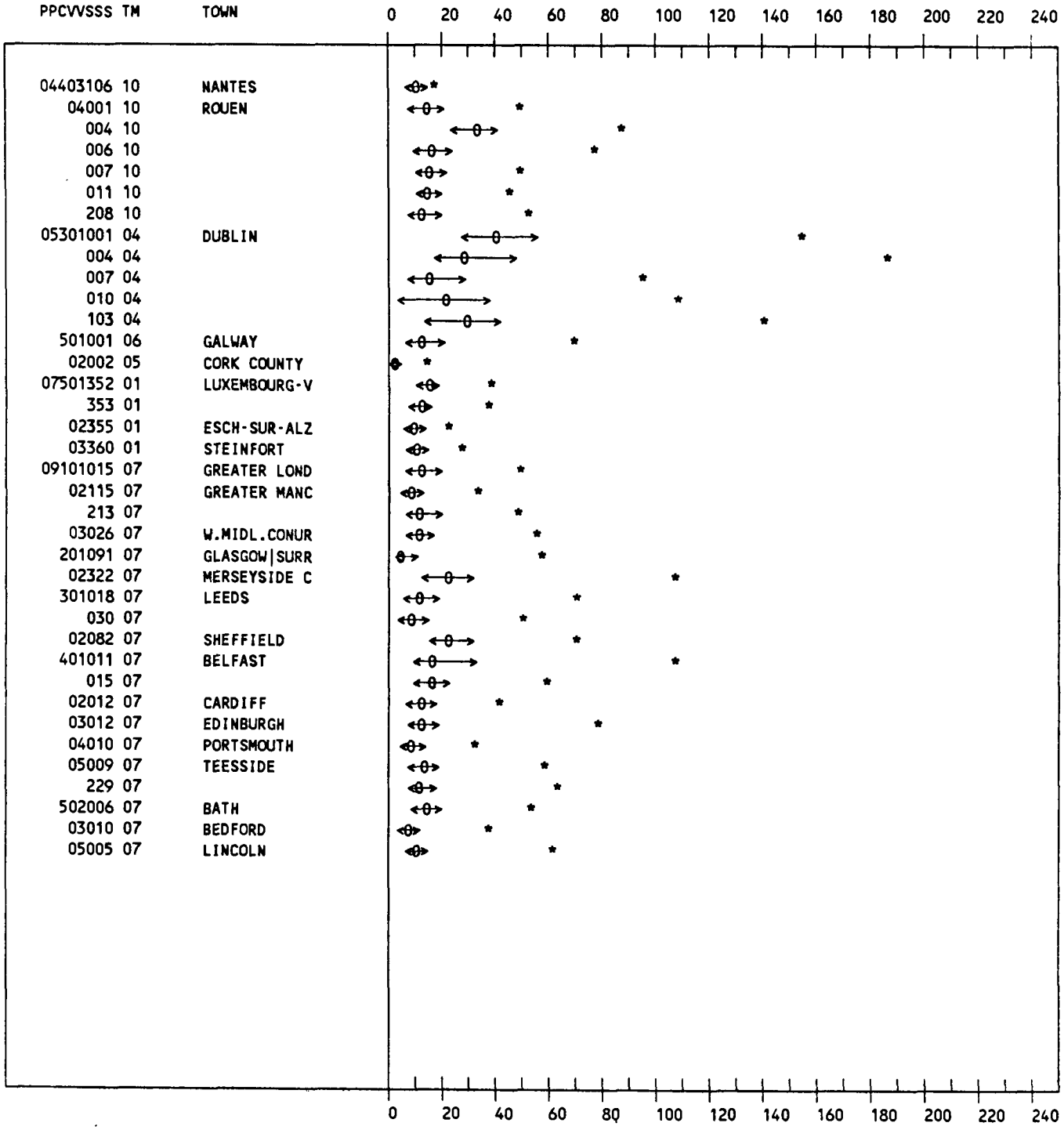
Fig. II.2.4

Global representation of the percentiles 25 50 75 98 %

Pollutant : Smoke

Year : October 82 - September 83

Units : microgr/m^3



Caption : < 25 th percentile.
0 50 th percentile.
> 75 th percentile.
* 98 th percentile.

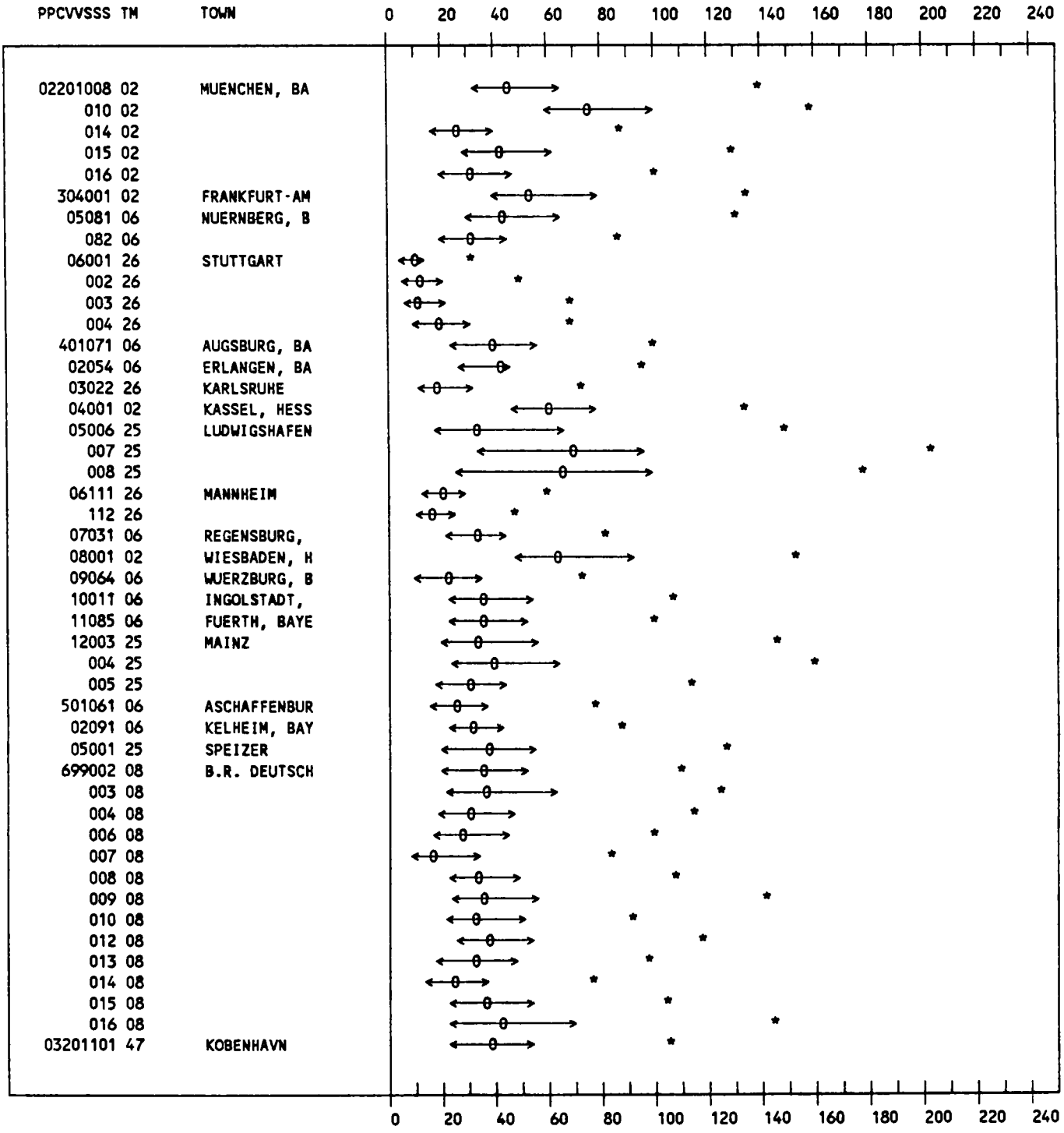
Fig. II.2.5

Global representation of the percentiles 25 50 75 98 %

Pollutant : SPM

Year : October 82 - September 83

Units : microgr/m^3



Caption : < 25 th percentile.
0 50 th percentile.
> 75 th percentile.
* 98 th percentile.

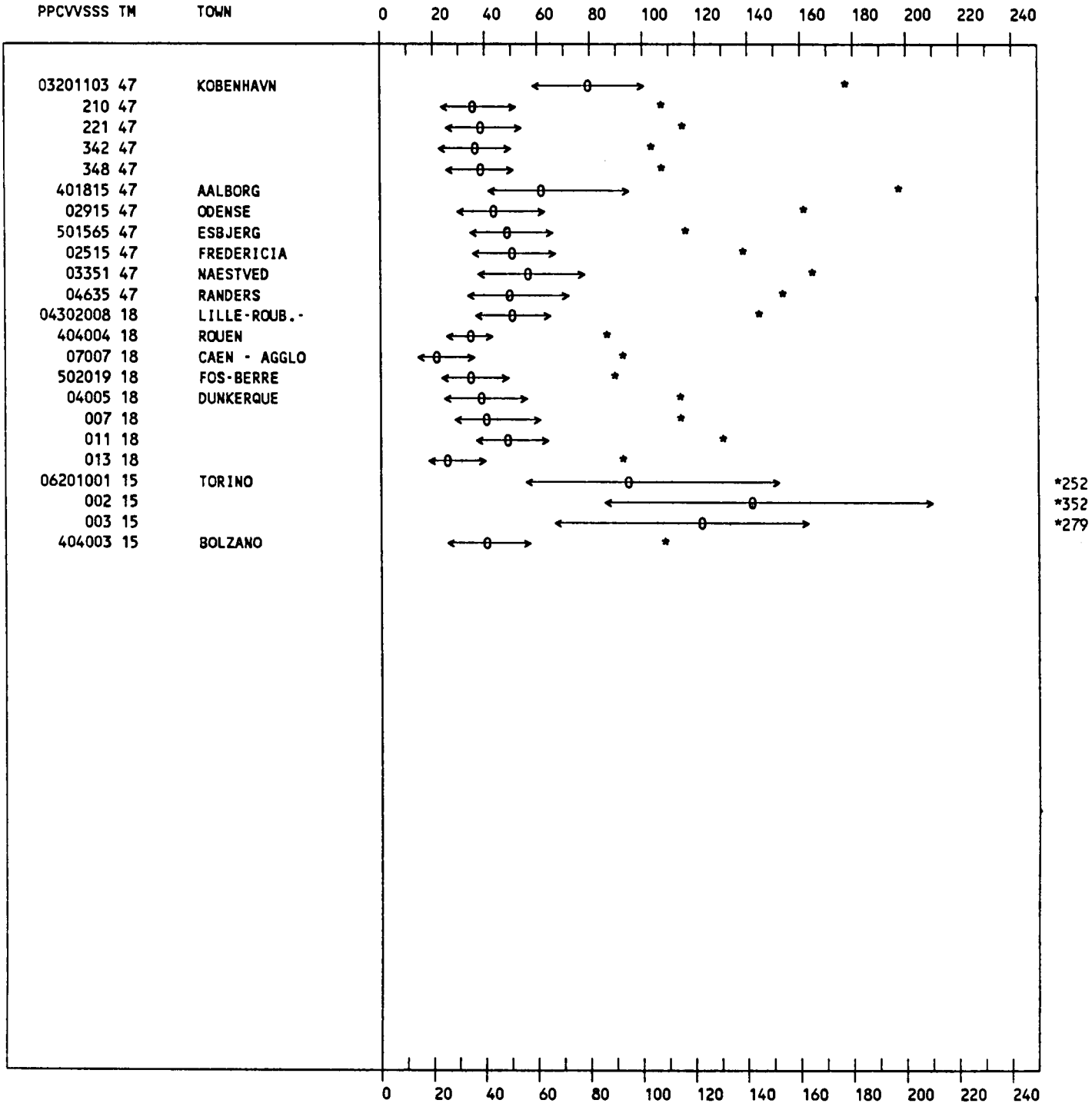
Fig. II.2.6

Global representation of the percentiles 25 50 75 98 %

Pollutant : SPM

Year : October 82 - September 83

Units : microgr/m^3



Caption : < 25 th percentile.
0 50 th percentile.
> 75 th percentile.
* 98 th percentile.

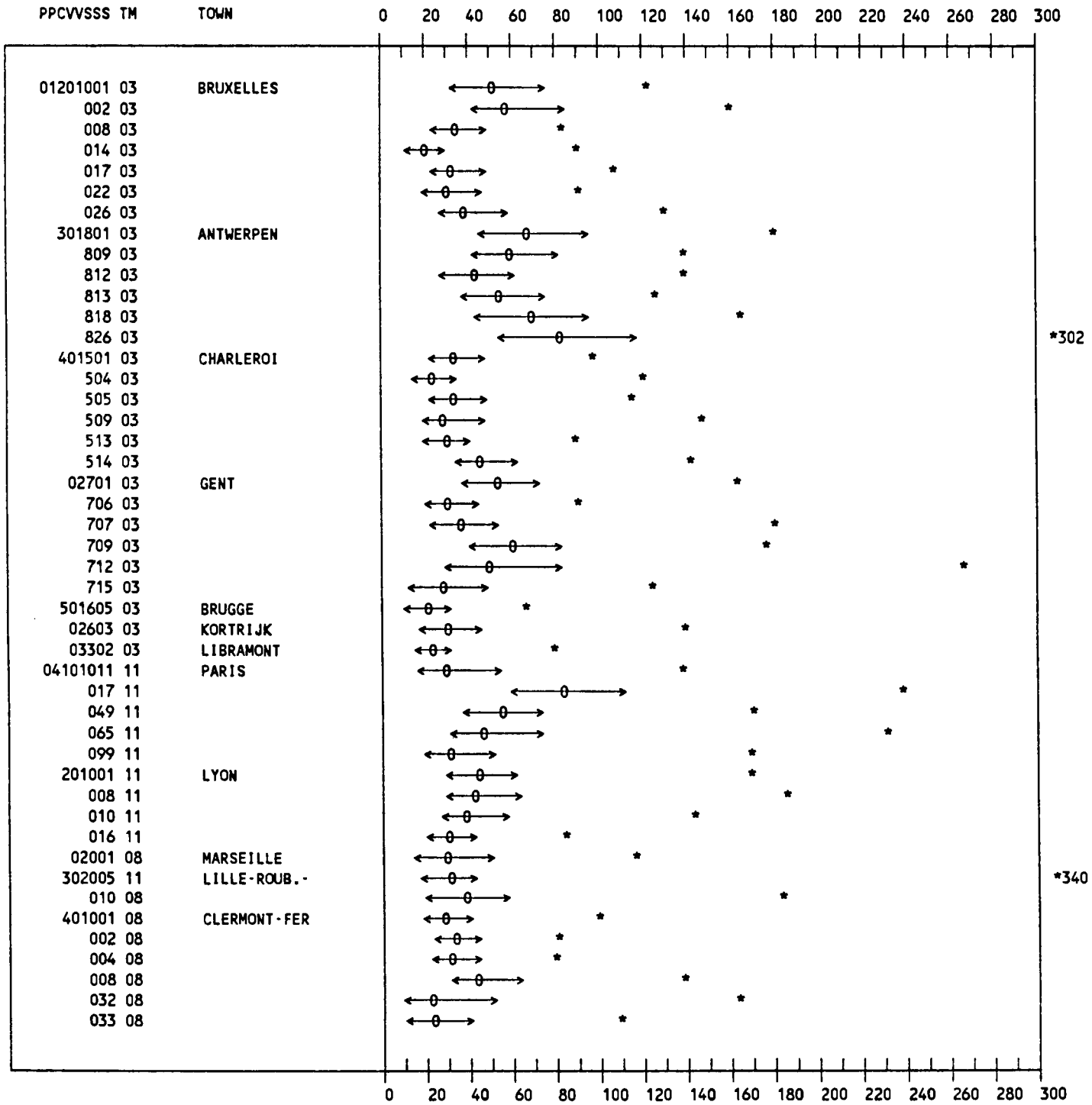
Fig. II.2.7

Global representation of the percentiles 25 50 75 98 %

Pollutant : Acid

Year : October 82 - September 83

Units : microgr/m^3



Caption : < 25 th percentile.
0 50 th percentile.
> 75 th percentile.
* 98 th percentile.

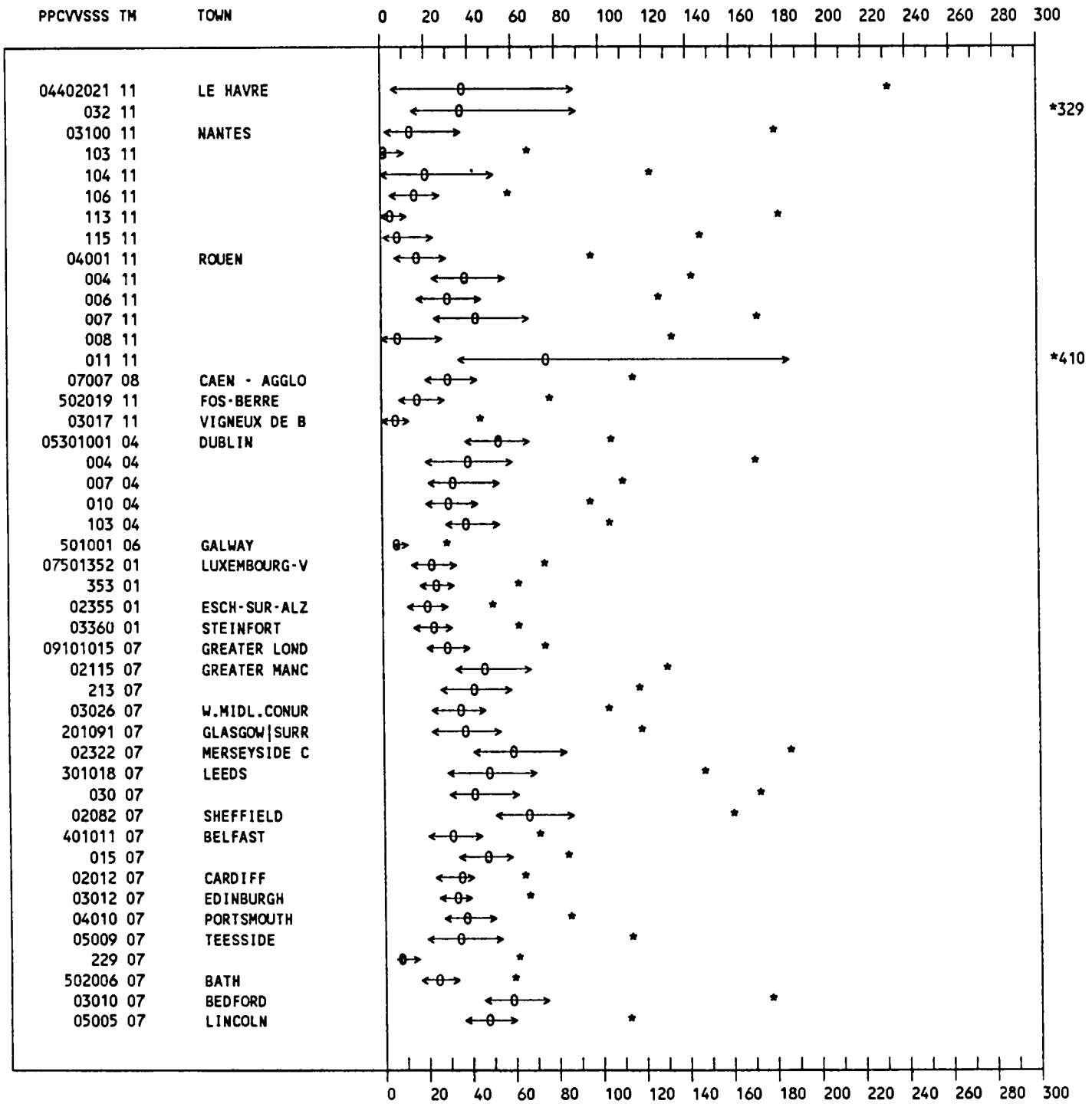
Fig. II.2.8

Global representation of the percentiles 25 50 75 98 %

Pollutant : Acid

Year : October 82 - September 83

Units : microgr/m^3



Caption : < 25 th percentile.
0 50 th percentile.
> 75 th percentile.
* 98 th percentile.

Fig. II.2.9

Scatter chart of the percentiles 50 and 98 labelled with the country code.

Pollutant : SO_2

Year : October 82 - September 83

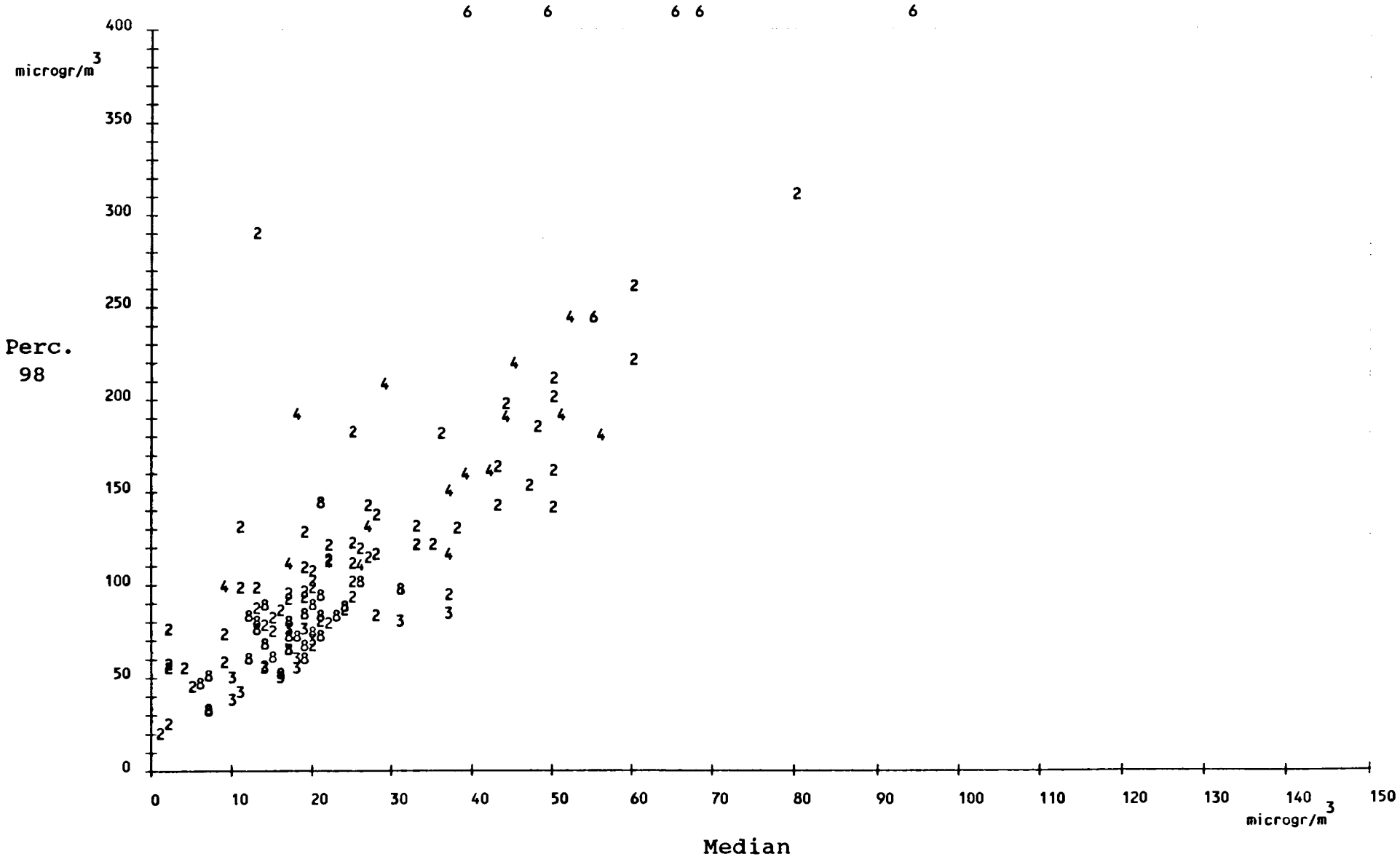


Fig. II.2.10

Scatter chart of the percentiles 50 and 98 labelled with the country code.

Pollutant : Smoke

Year : October 82 - September 83

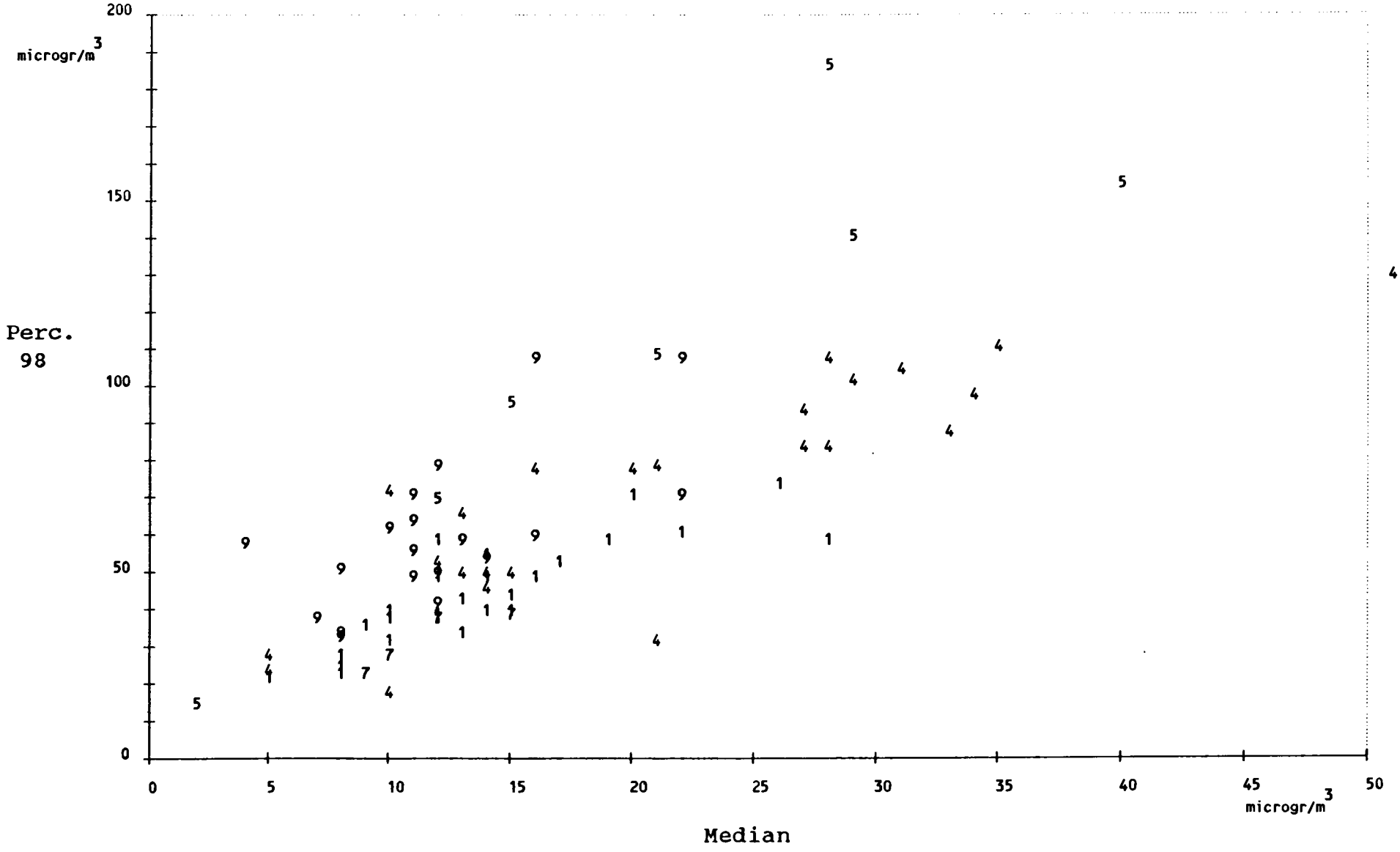


Fig. II.2.11

Scatter chart of the percentiles 50 and 98 labelled with the country code.

Pollutant : SPM

Year : October 82 - September 83

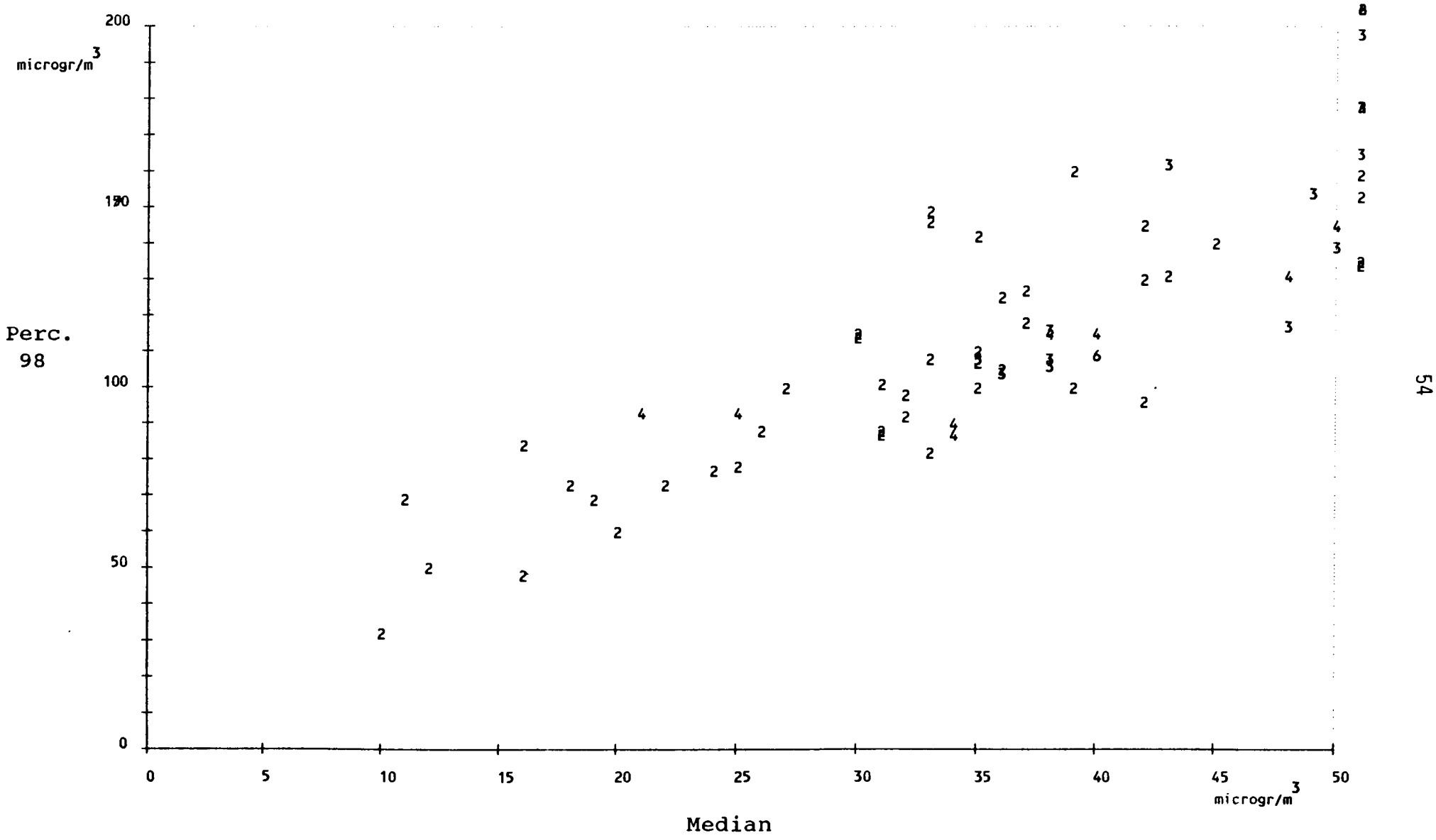


Fig. II.2.12

Scatter chart of the percentiles 50 and 98 labelled with the country code.

Pollutant : Acid

Year : October 82 - September 83

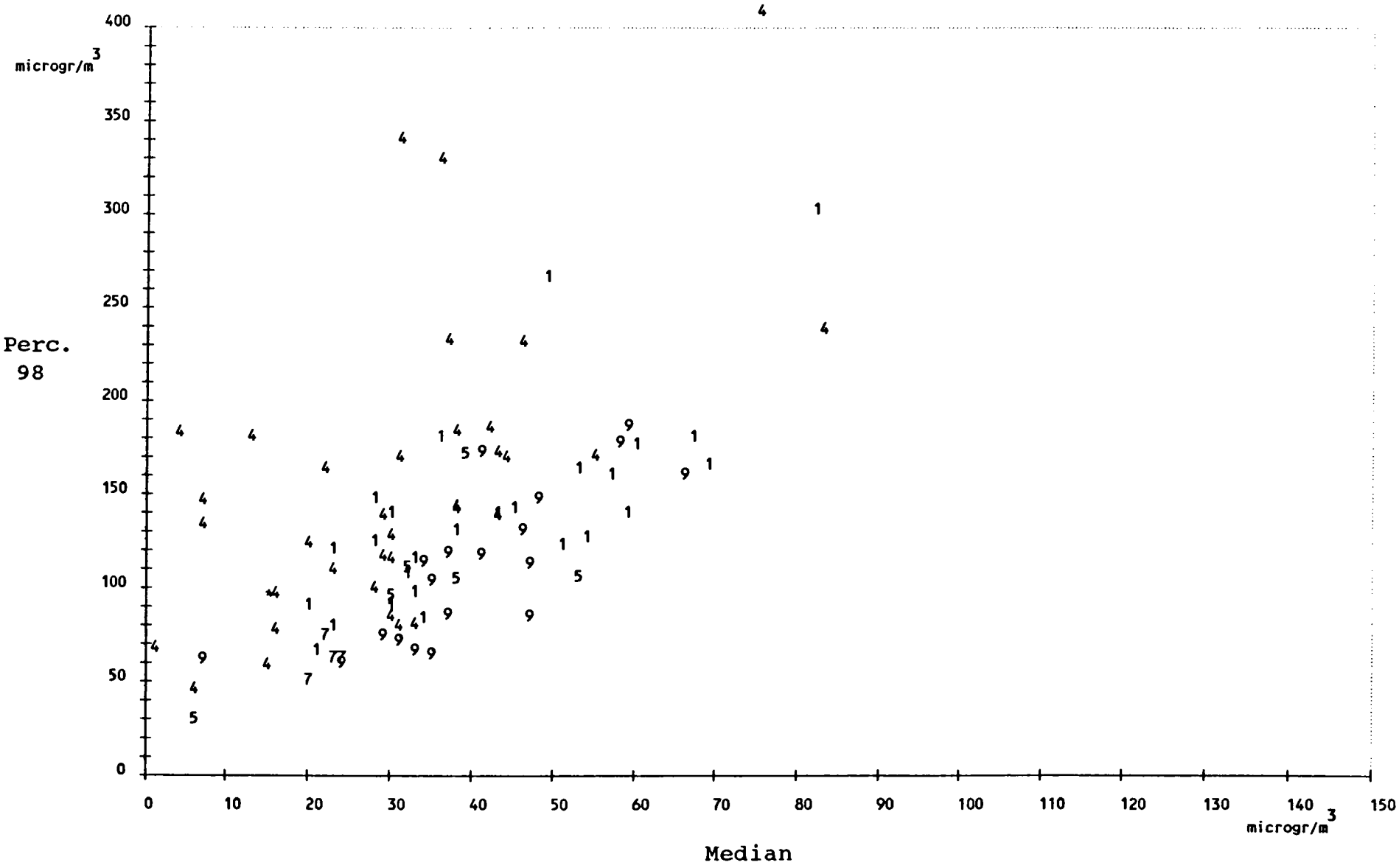


Fig. II.2.13

Scatter chart of the median and interquartile range with the country code.

Pollutant : SO_2

Year : October 82 - September 83

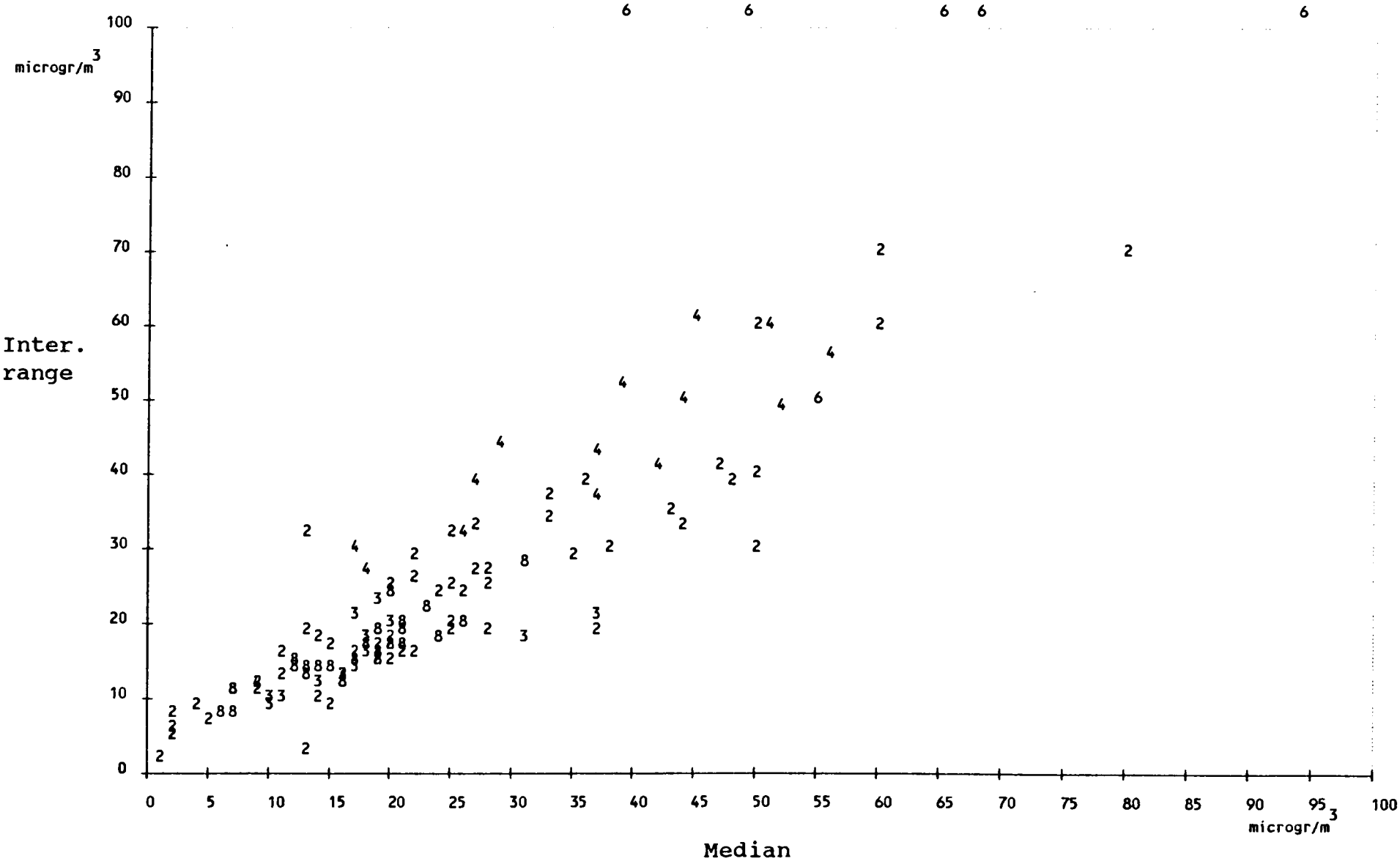


Fig. II.2.14

Scatter chart of the median and interquartile range with the country code.

Pollutant : Smoke

Year : October 82 - September 83

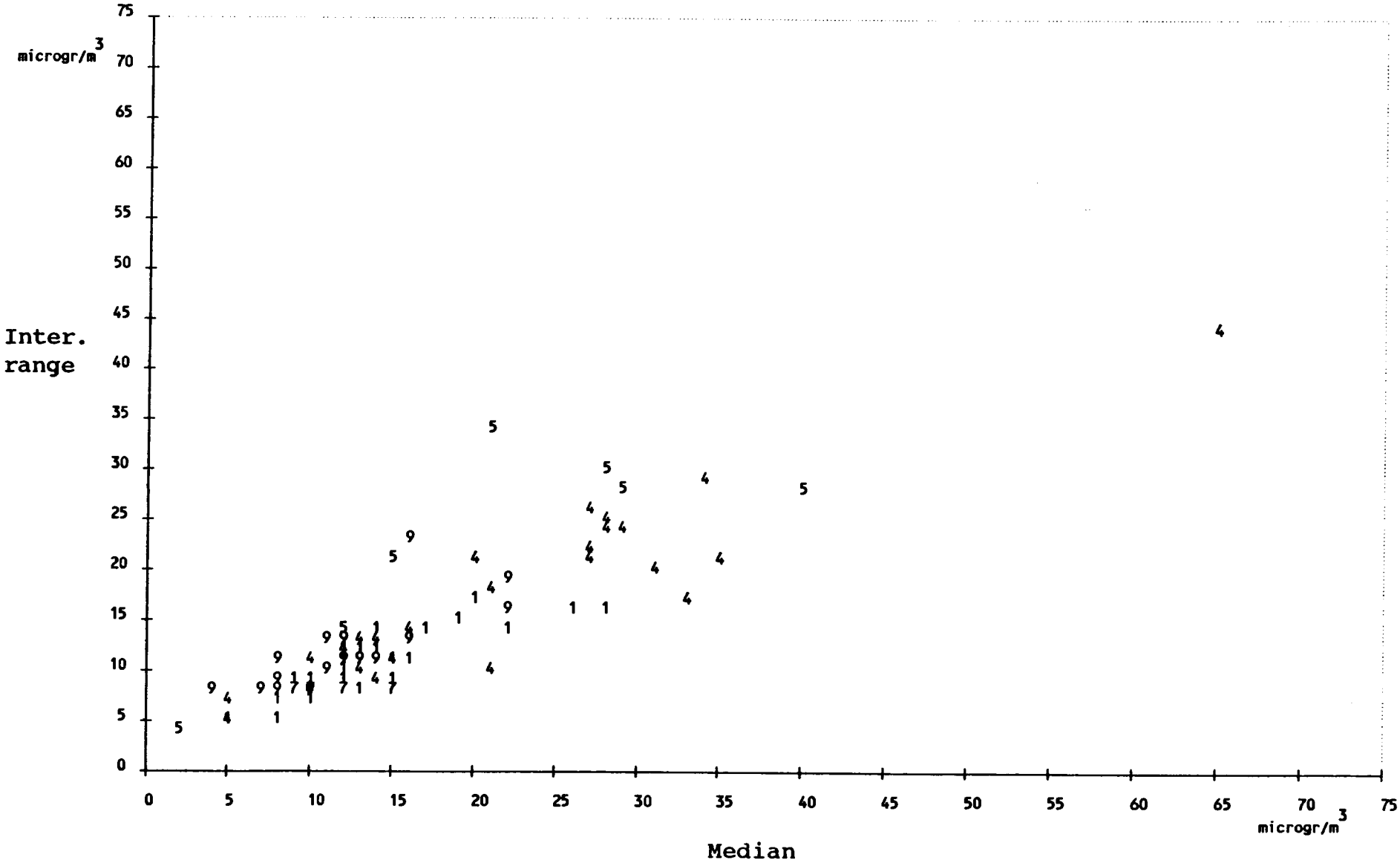


Fig. II.2.15

Scatter chart of the median and interquartile range with the country code.

Pollutant : SPM

Year : October 82 - September 83

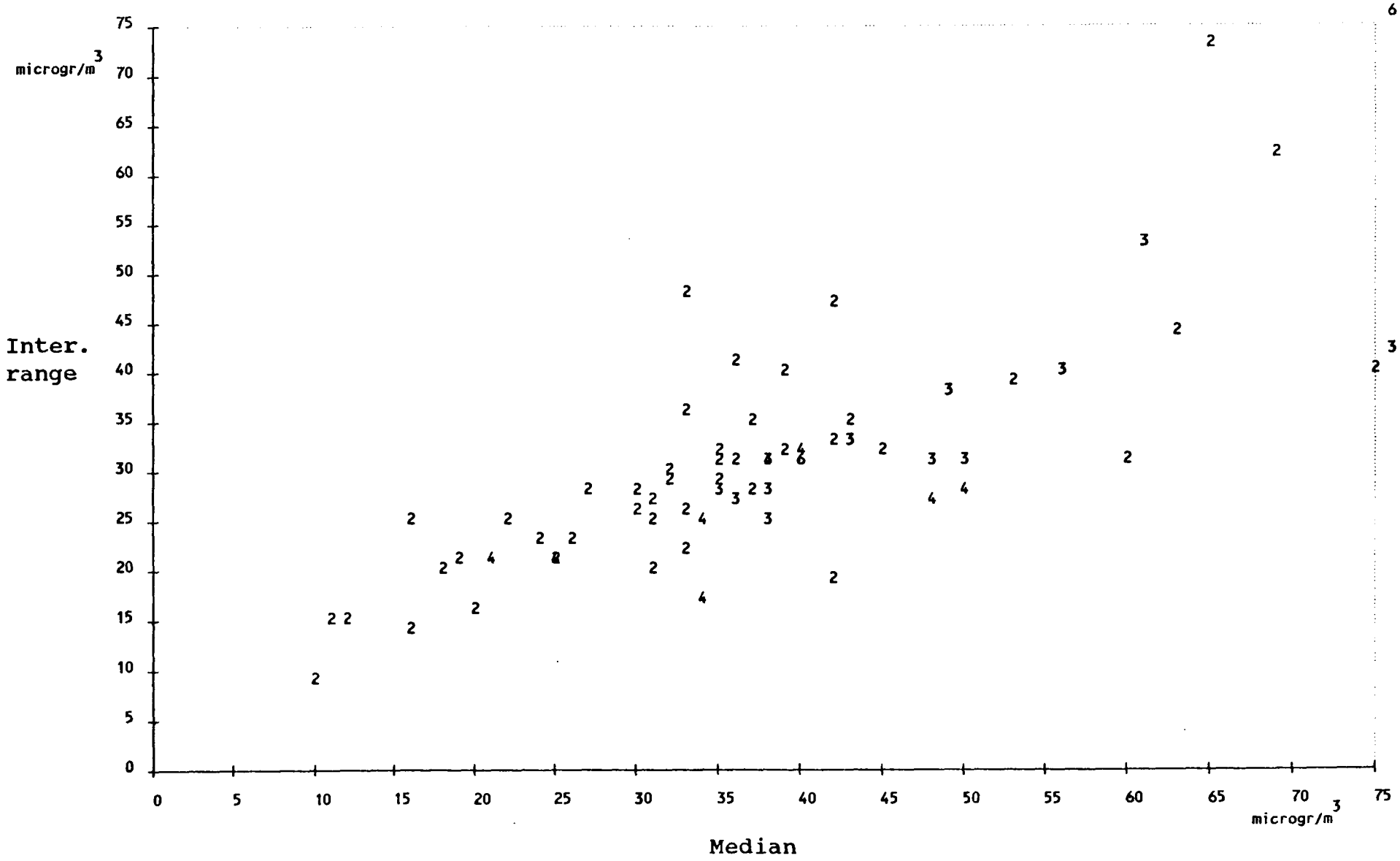


Fig. II.2.16

Scatter chart of the median and interquartile range with the country code.

Pollutant : Acid

Year : October 82 - September 83

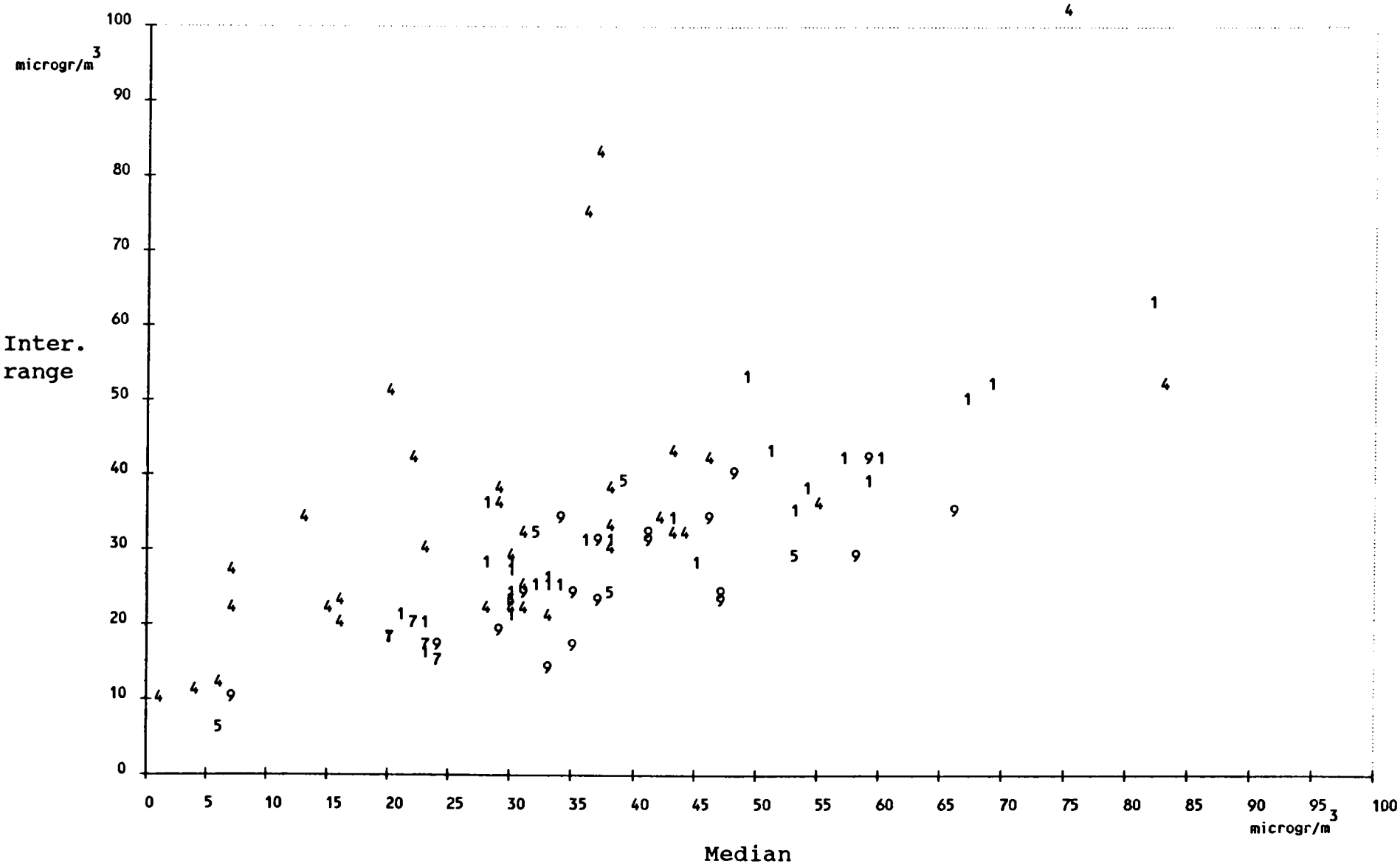
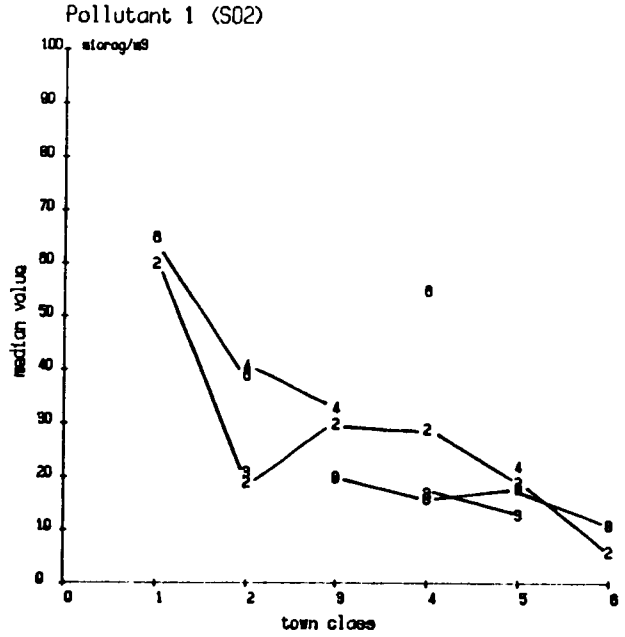
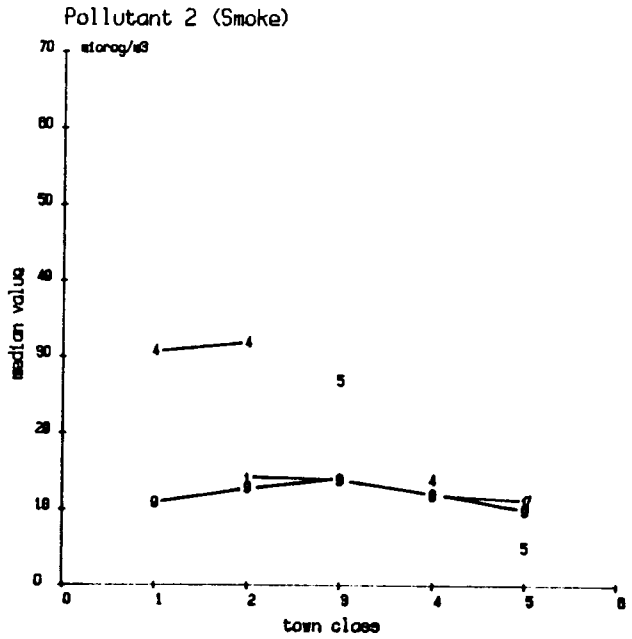
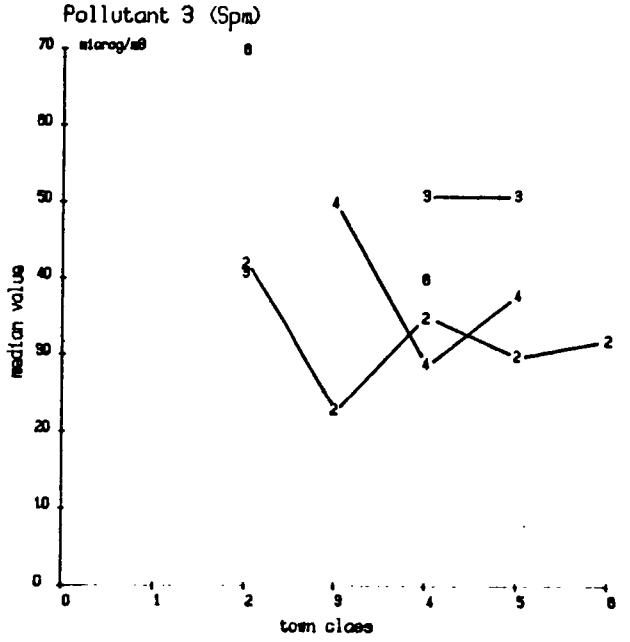


Fig. II.2.17

Global median value by town class - period: Oct. 82 - Sept. 83







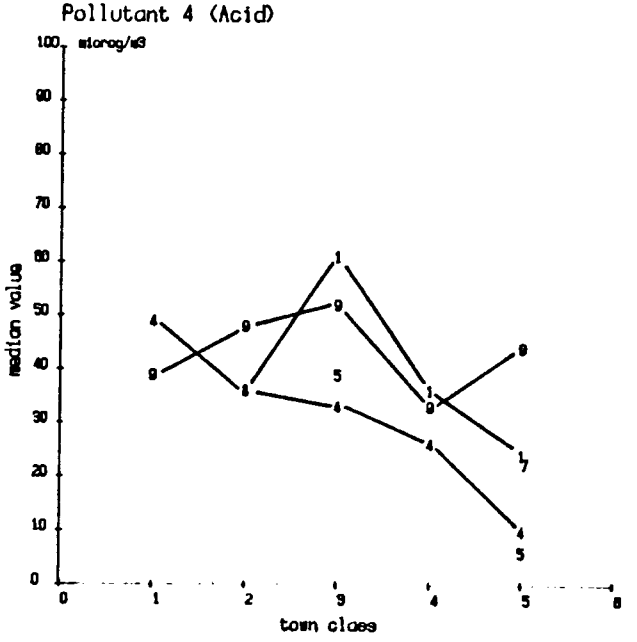
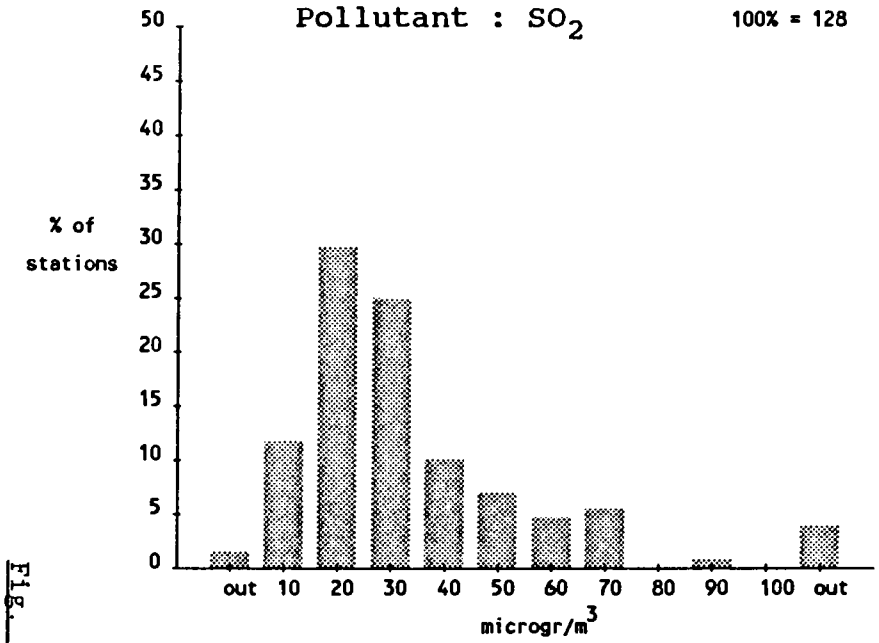
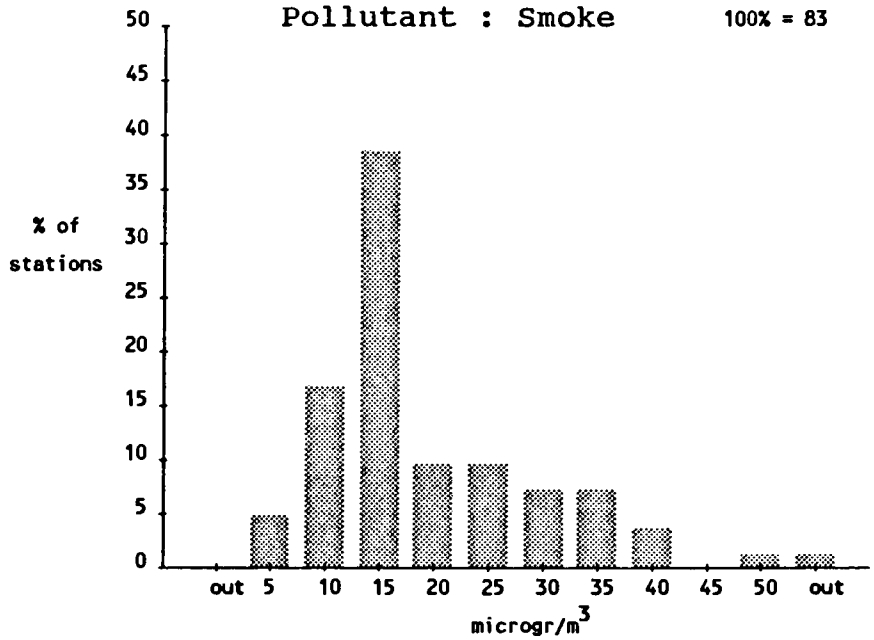
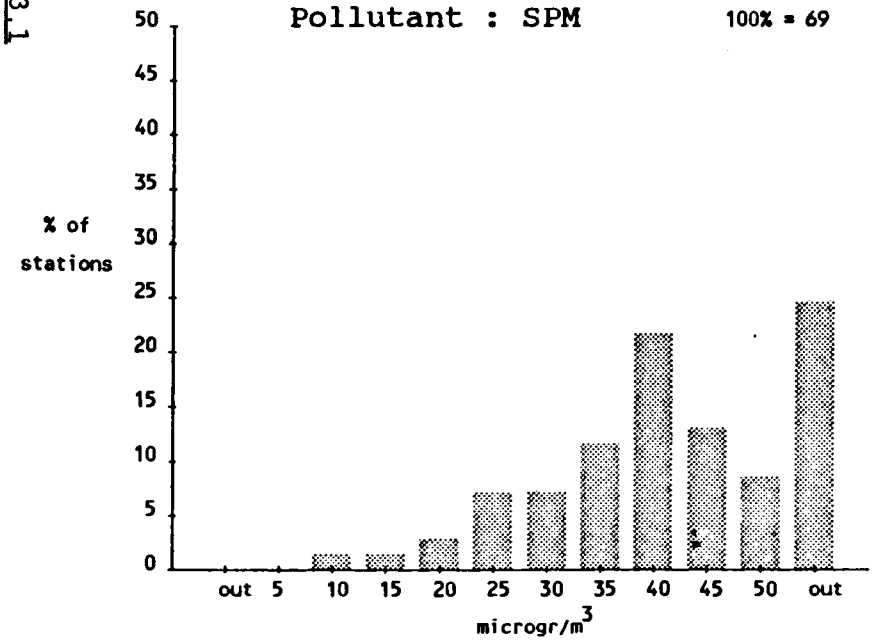


Fig. II.2.18

ANNUAL MEAN FOR STATIONS - October 82 - September 83







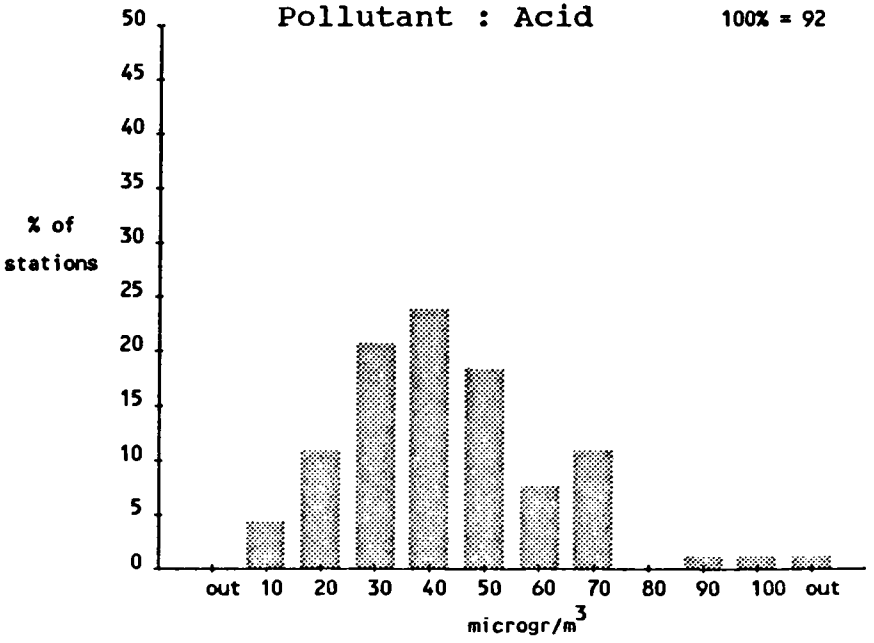
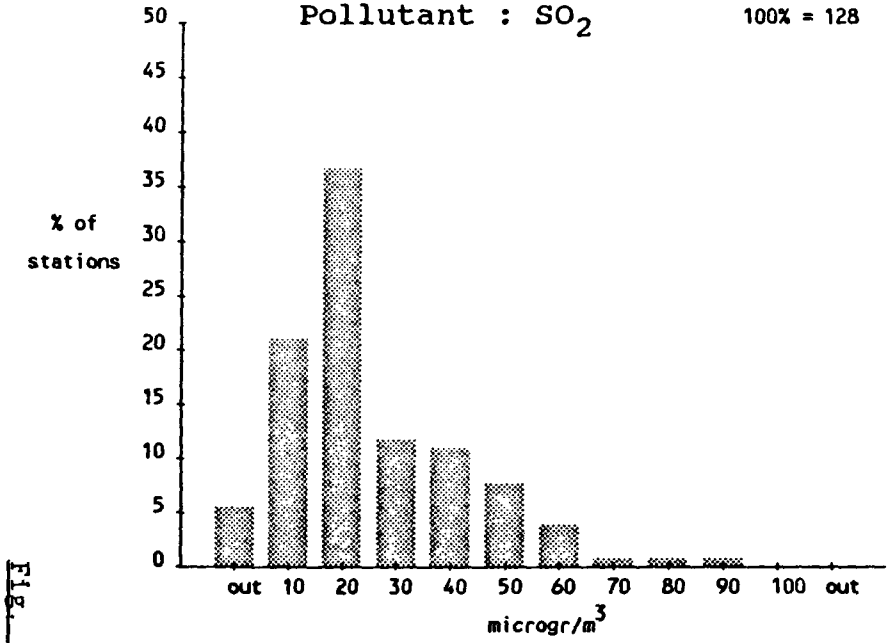
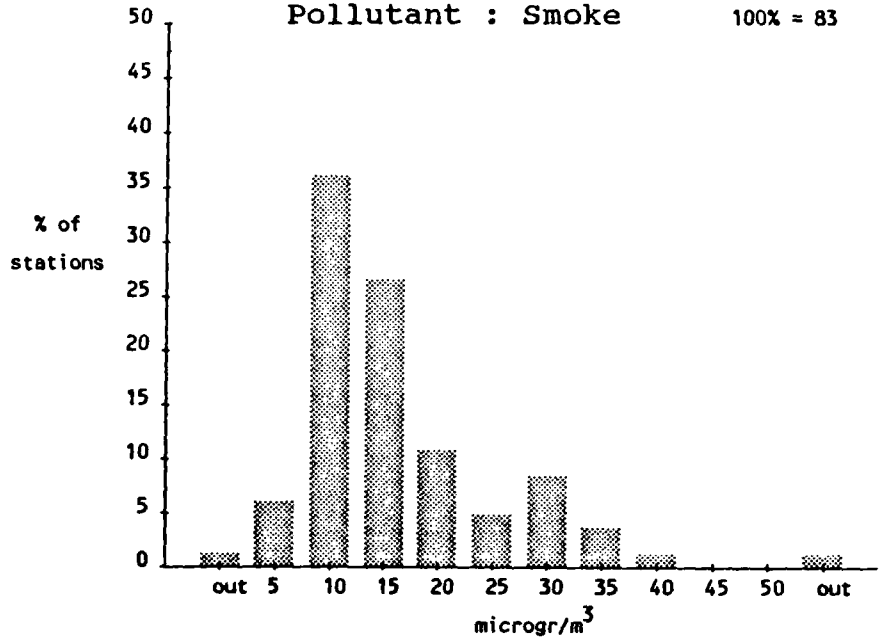
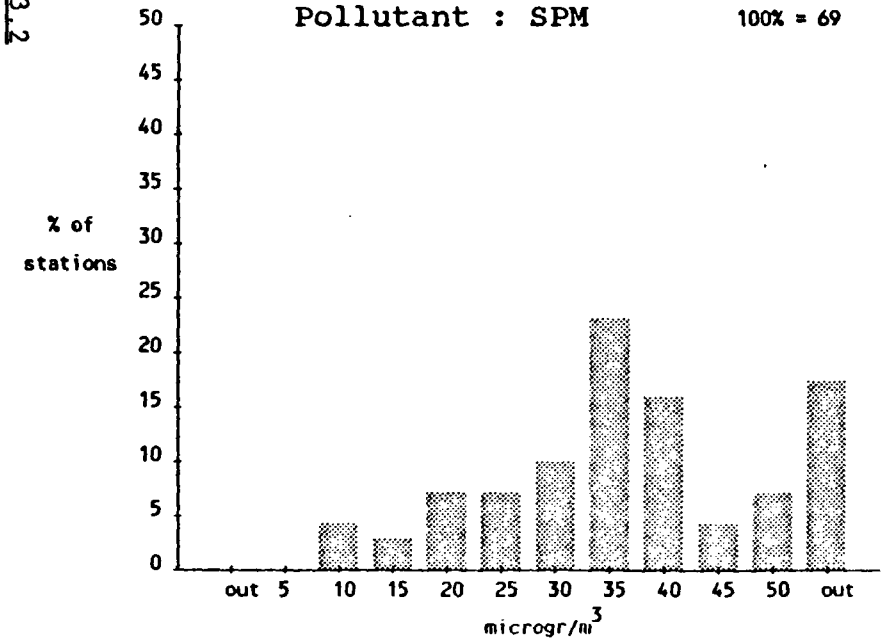


Fig. II.3.1

ANNUAL MEDIAN FOR STATIONS - October 82 - September 83







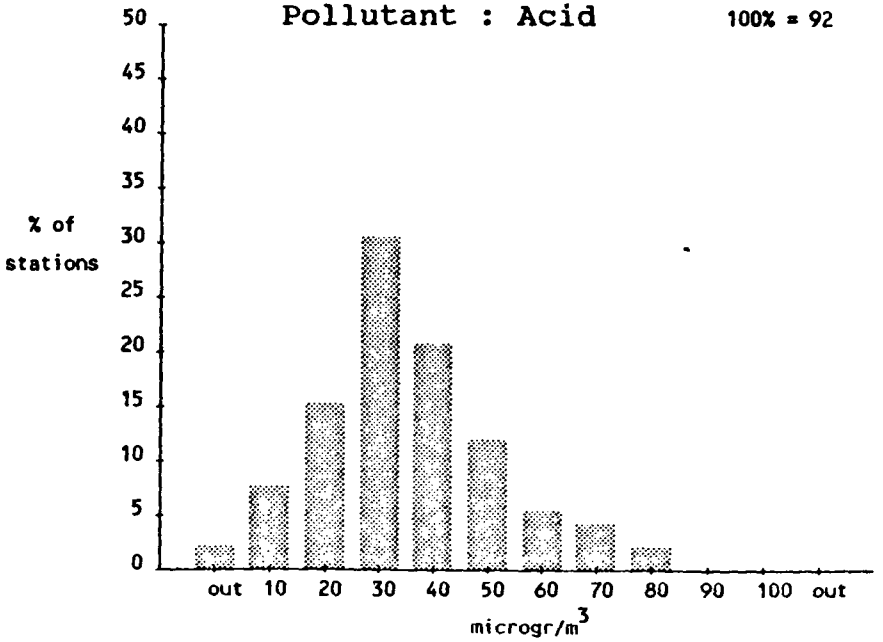
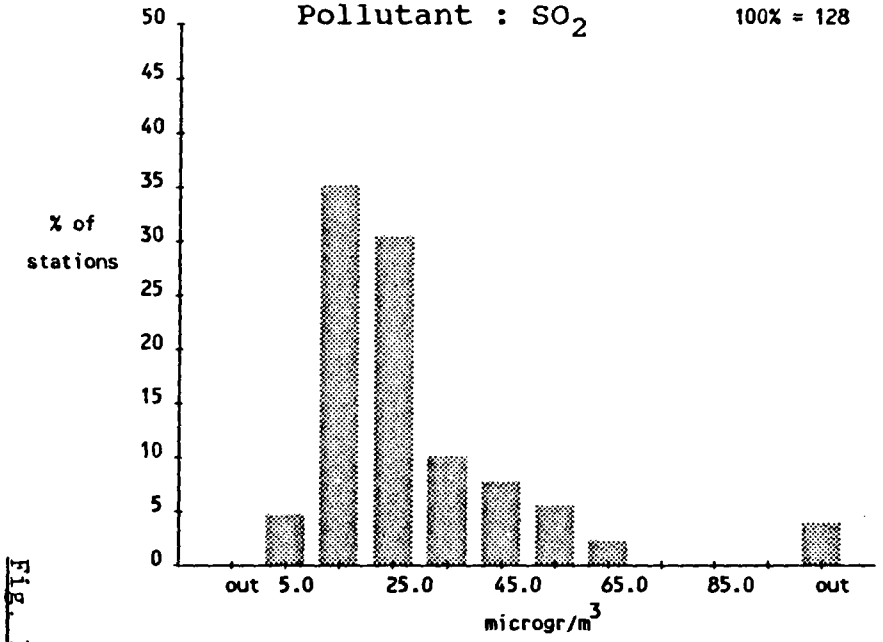
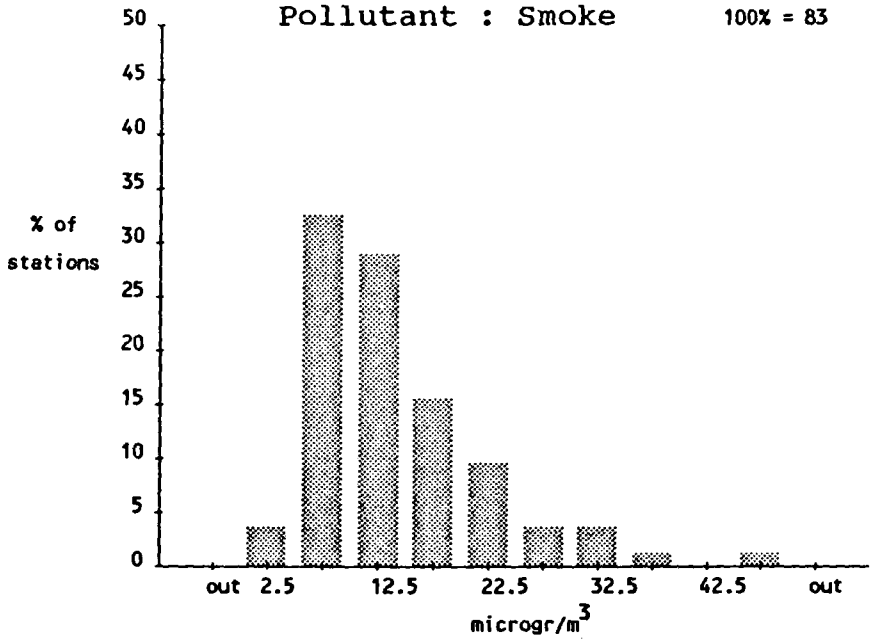
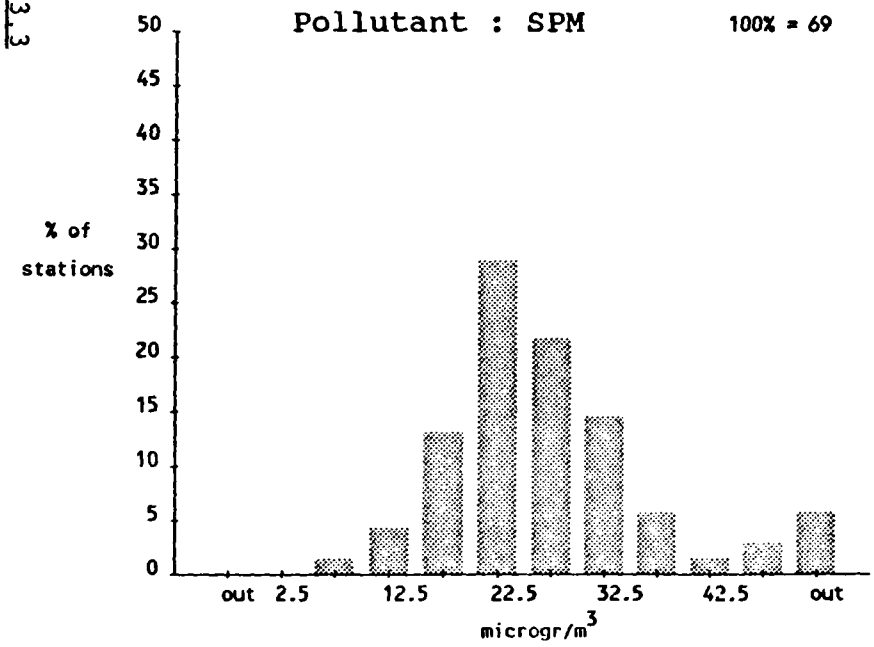


Fig. II.3.2

ANNUAL STANDARD DEVIATION FOR STATIONS - October 82 - September 83







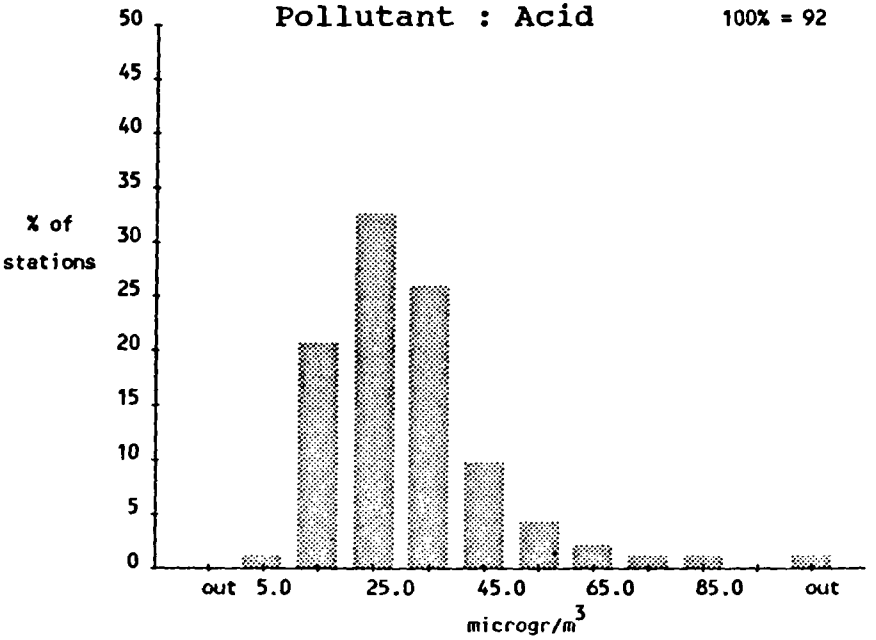
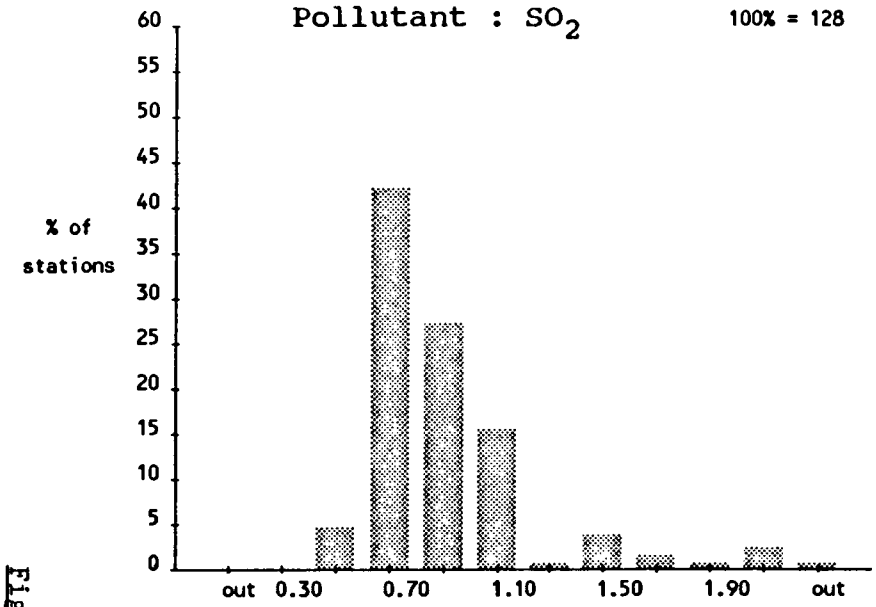
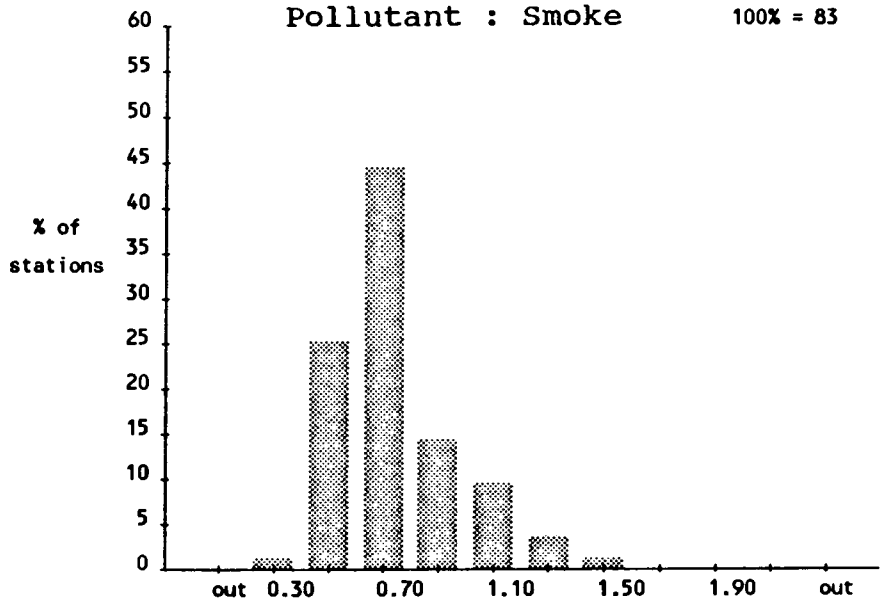
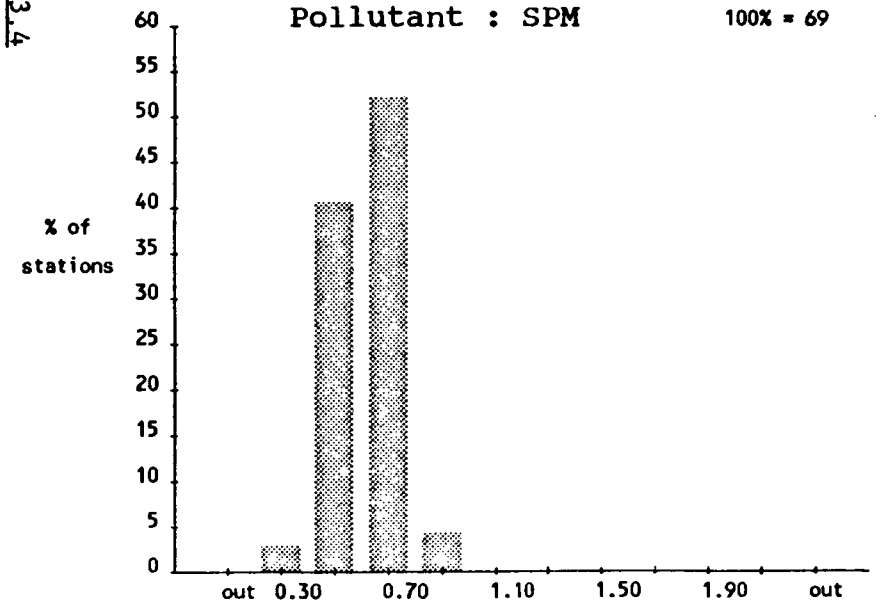


Fig. II.3.3

ANNUAL COEFFICIENT OF VARIATION FOR STATIONS - October 82 - September 83







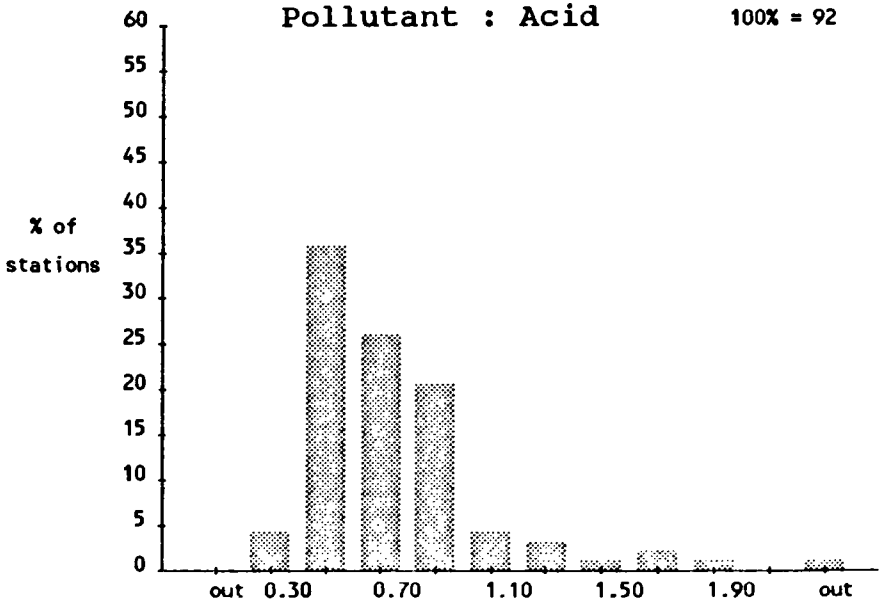
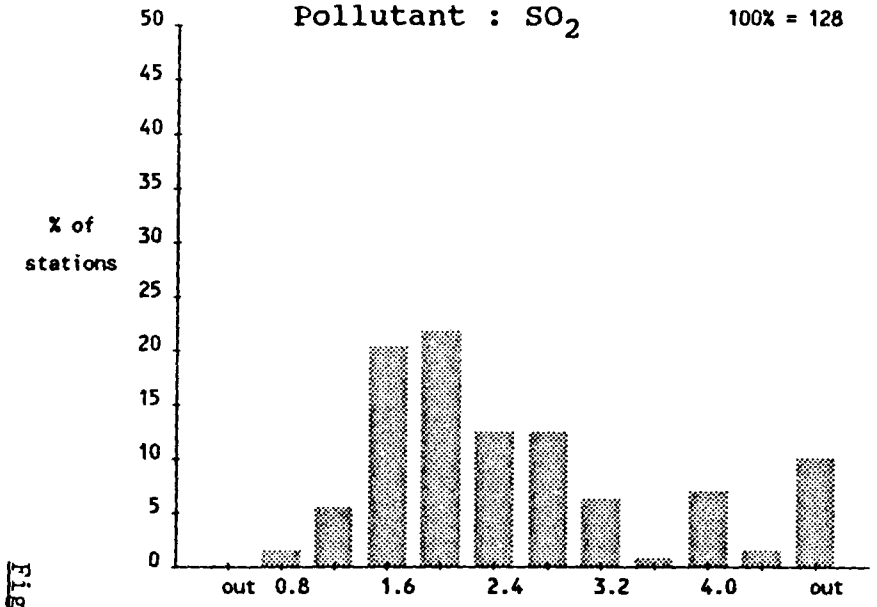
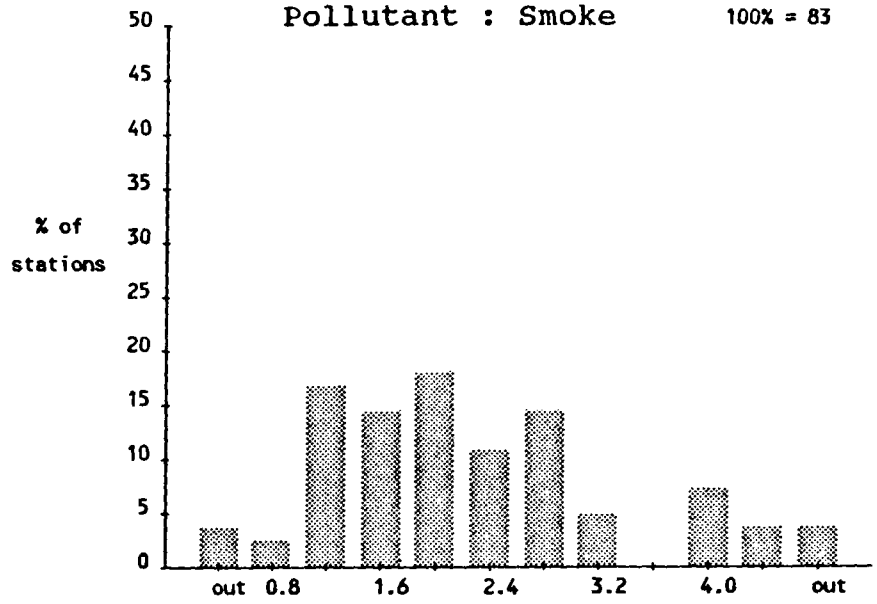
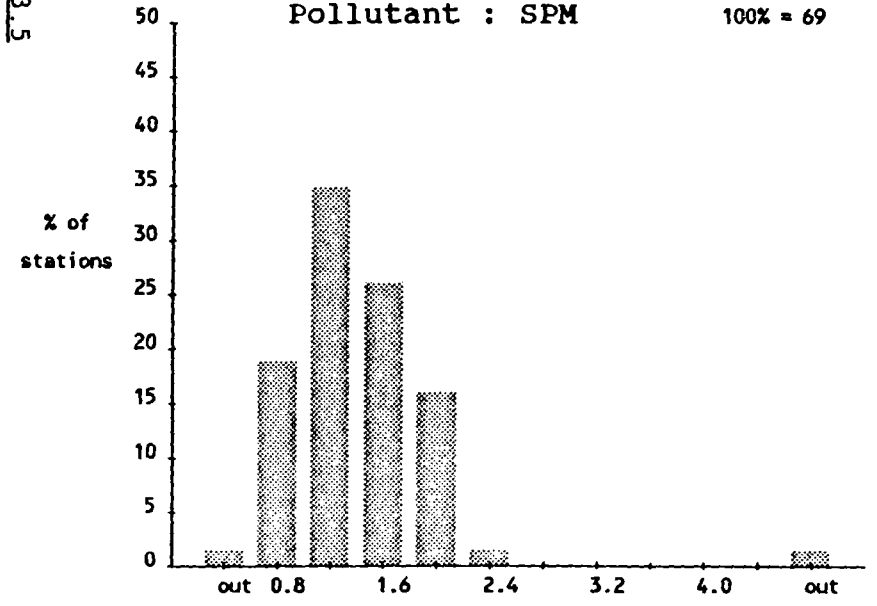


Fig. II.3.4

ANNUAL SKEWNESS FOR STATIONS - October 82 - September 83







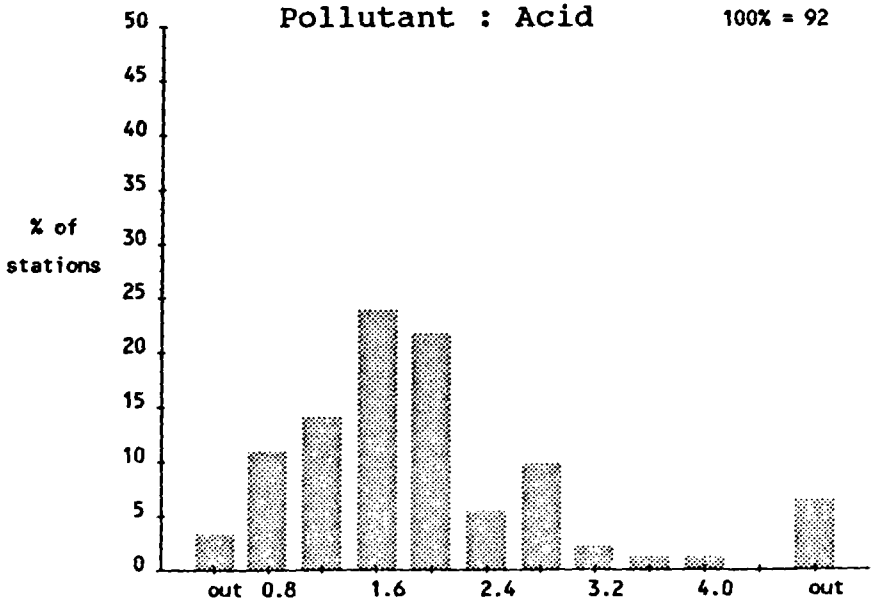
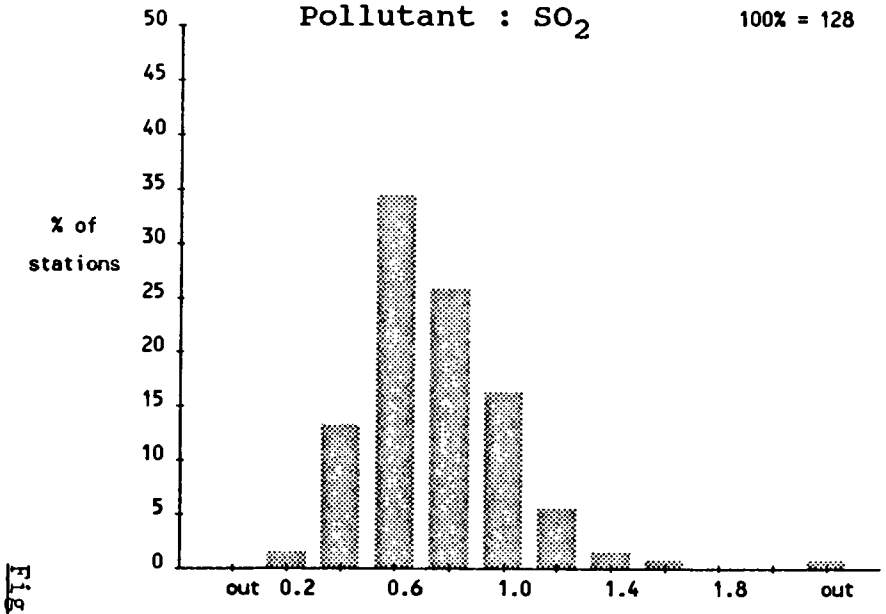
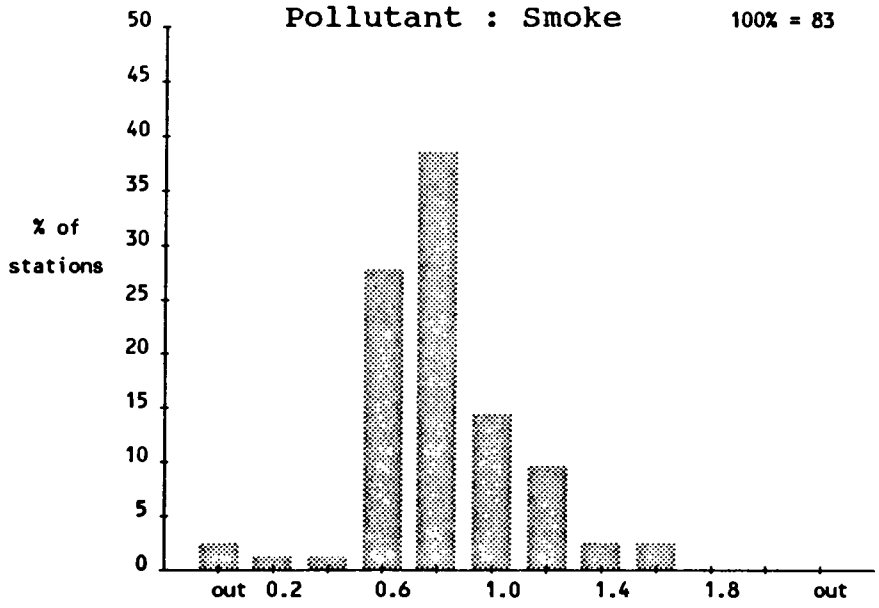
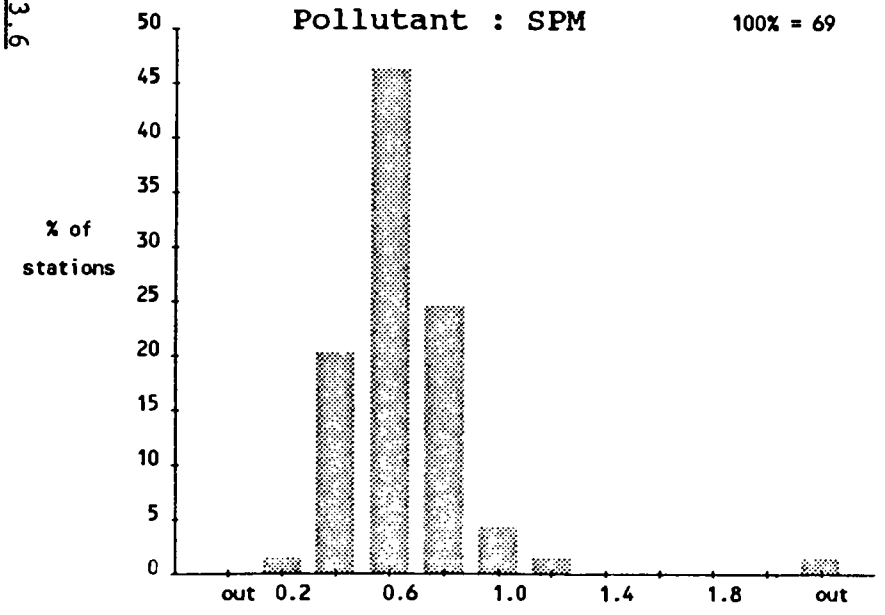


Fig. II.3.5

ANNUAL SHAPE ESTIMATOR OF THE FREQUENCY DISTRIBUTION FOR STATIONS - October 82 - September 83







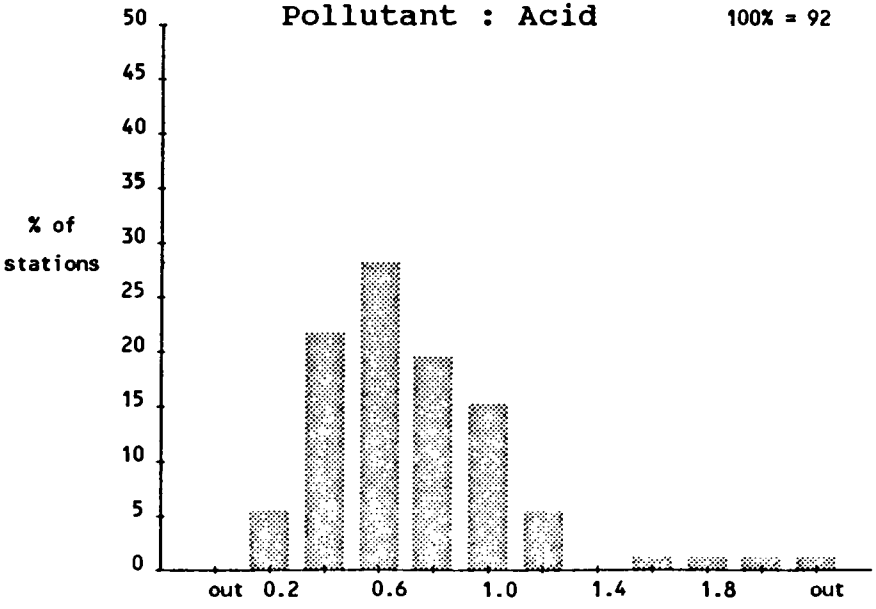
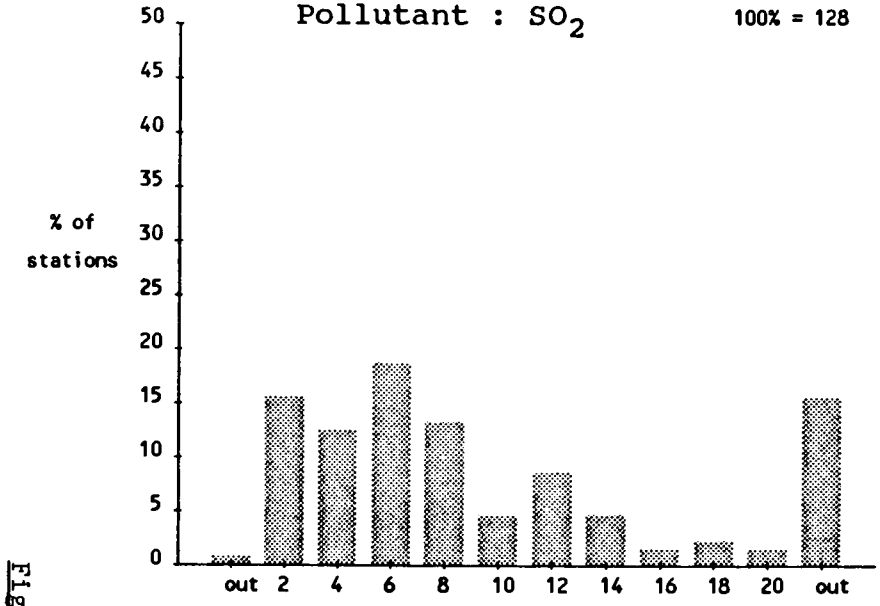
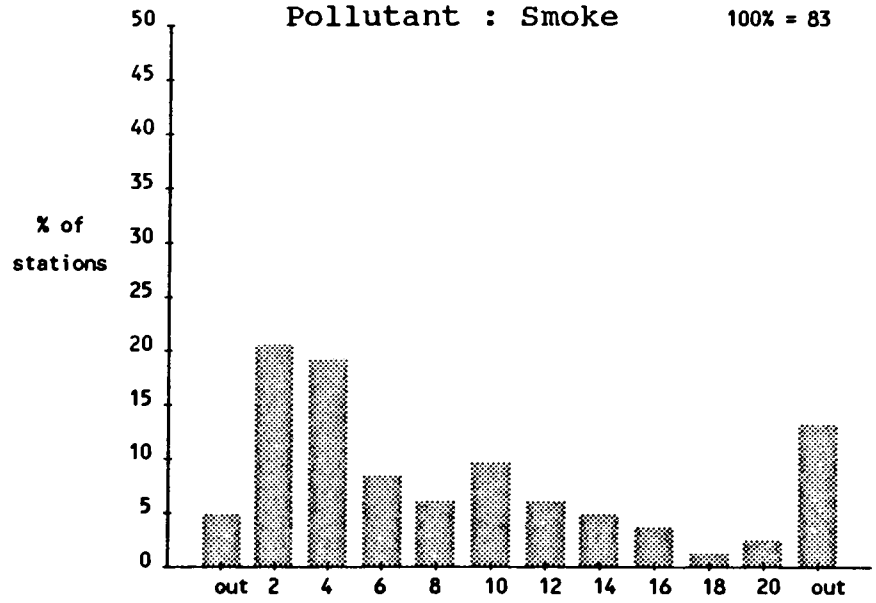
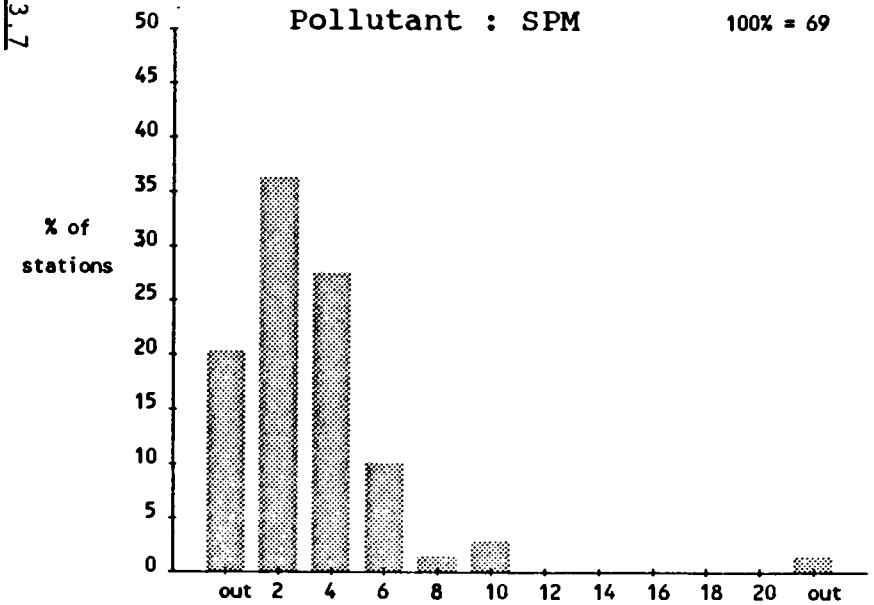


Fig. II.3.6

ANNUAL KURTOSIS FOR STATIONS - October 82 - September 83







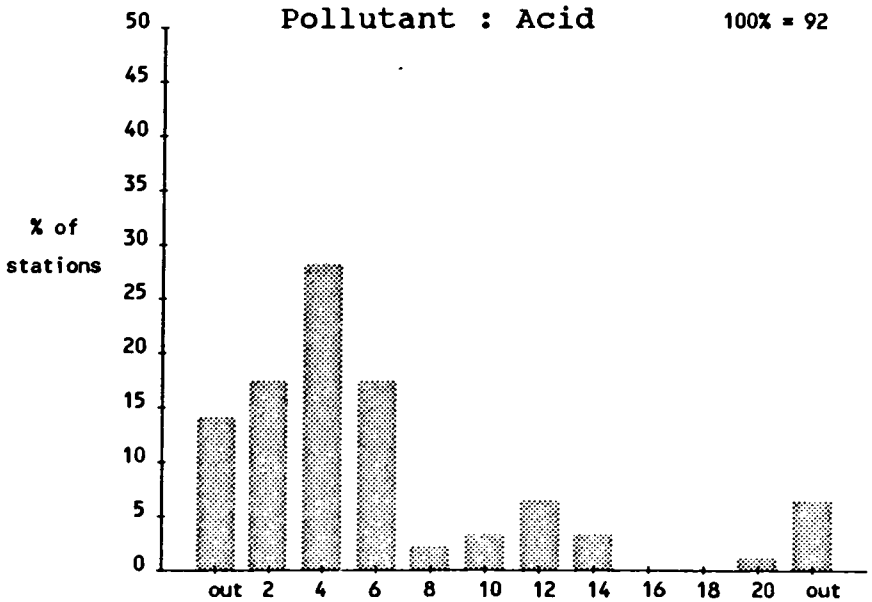


Fig. II.3.7

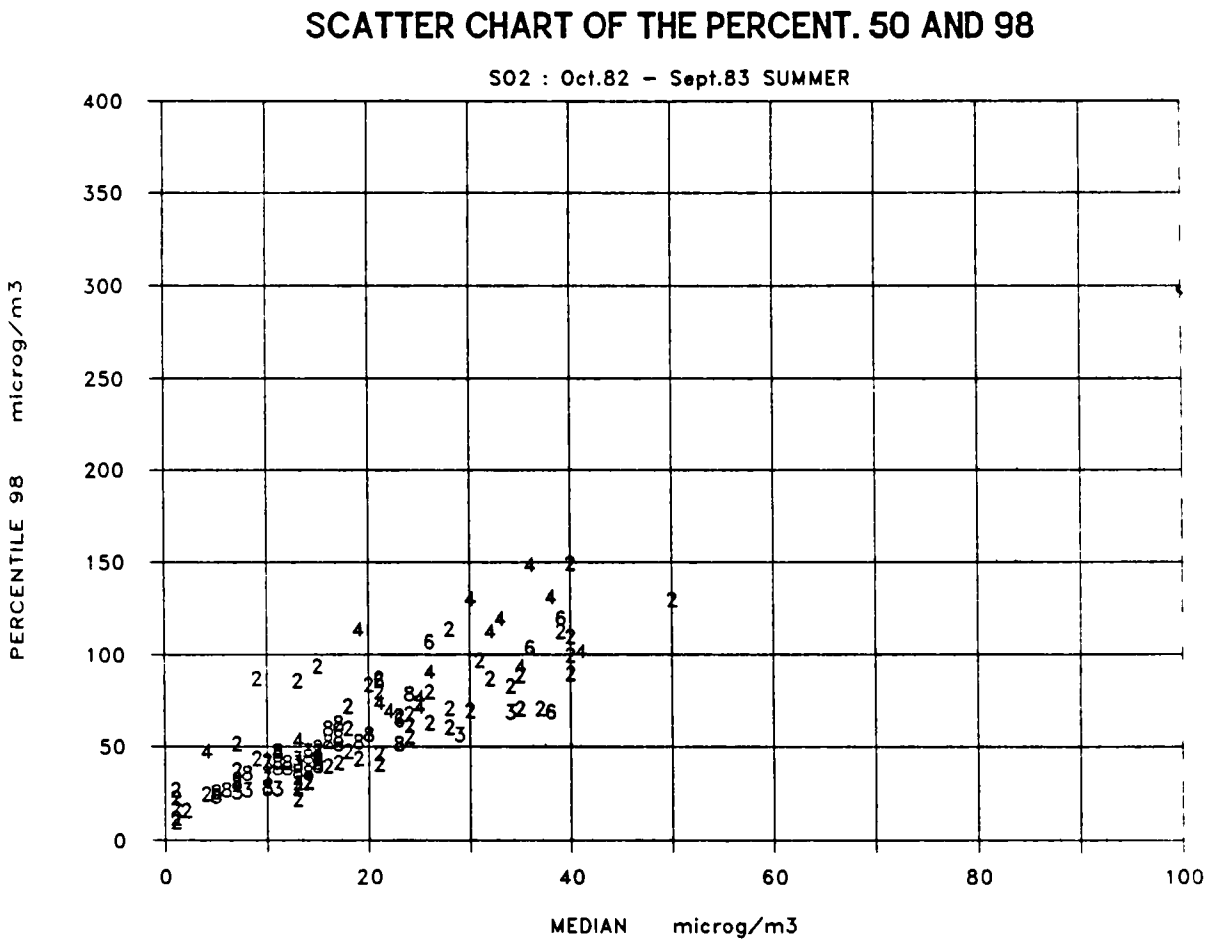


Fig. II.4.1

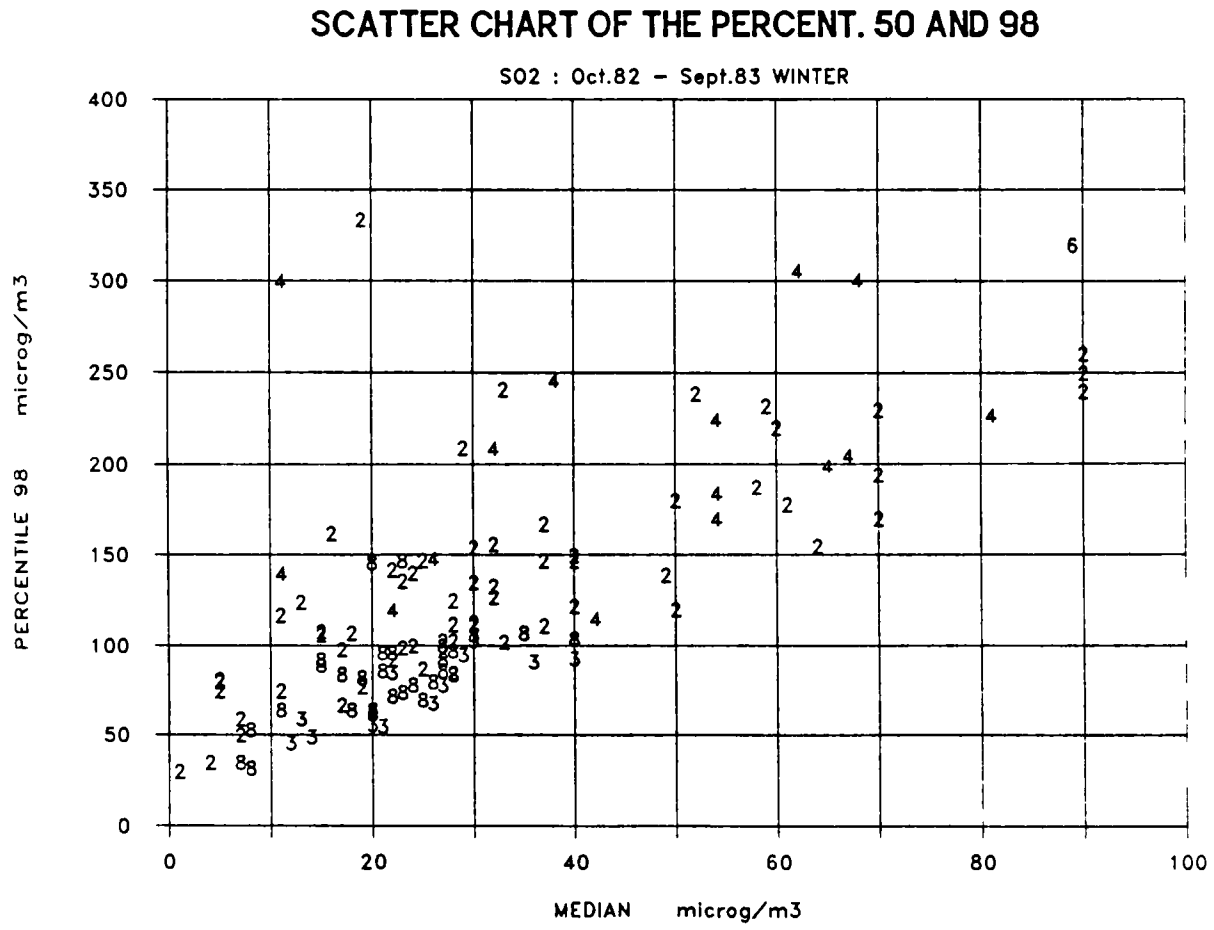


Fig. II.4.2

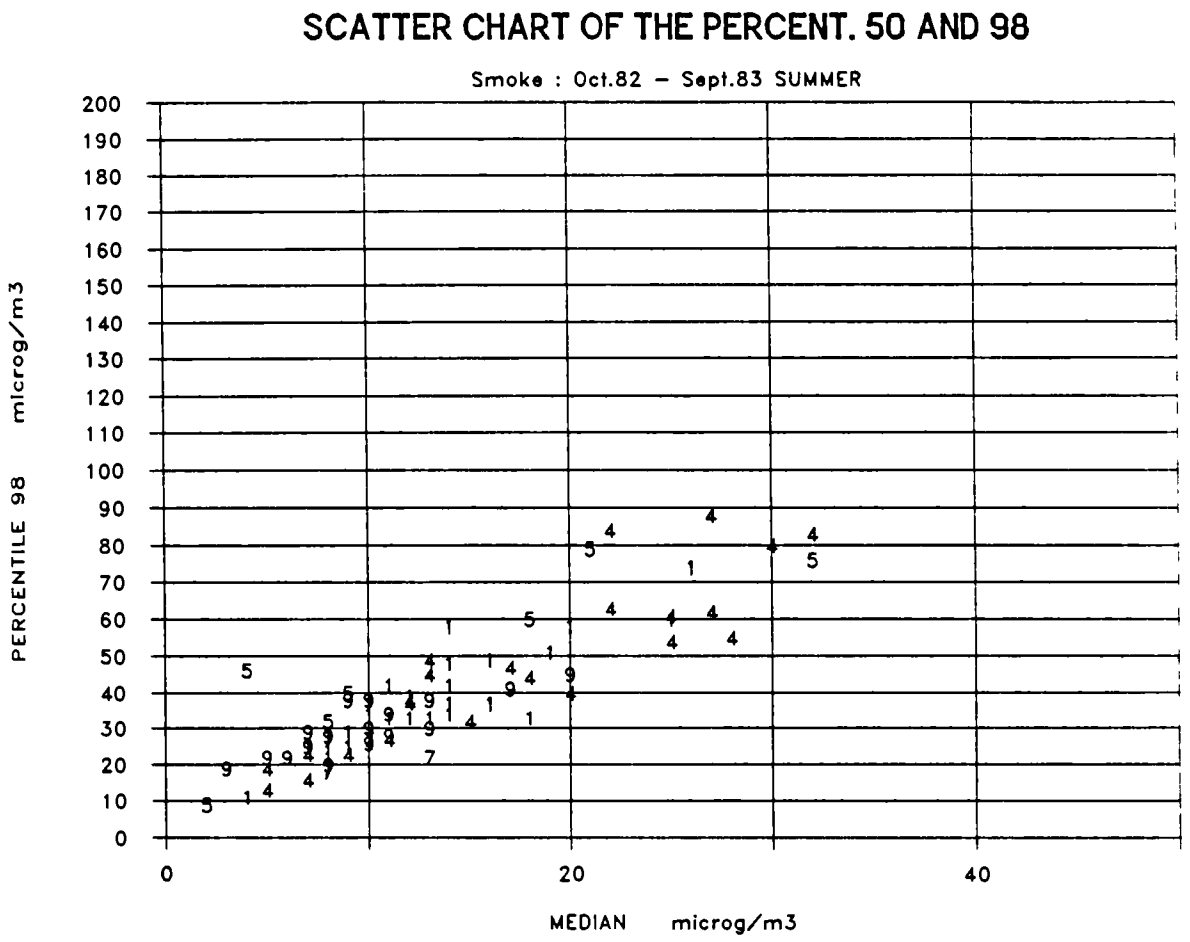


Fig. II.4.3

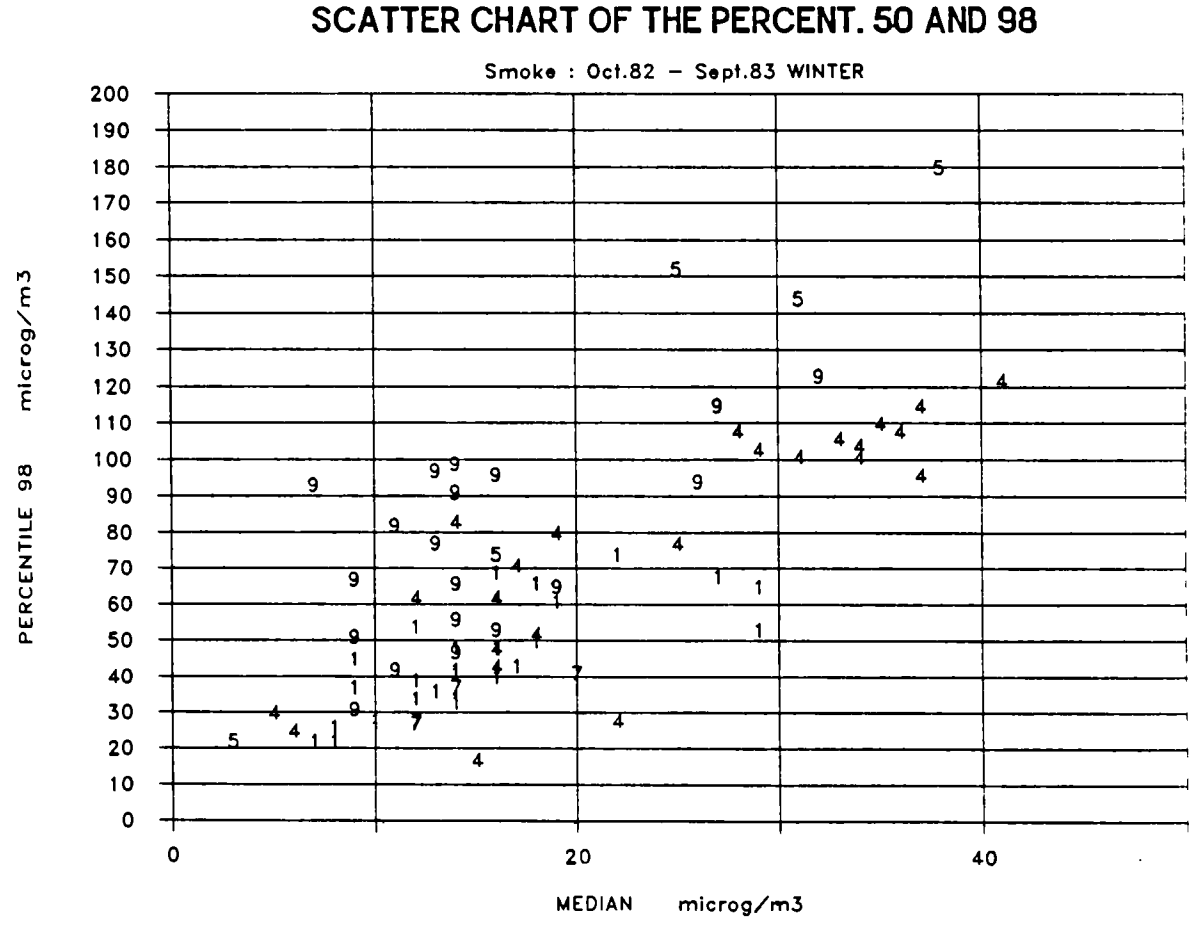


Fig. II.4.4

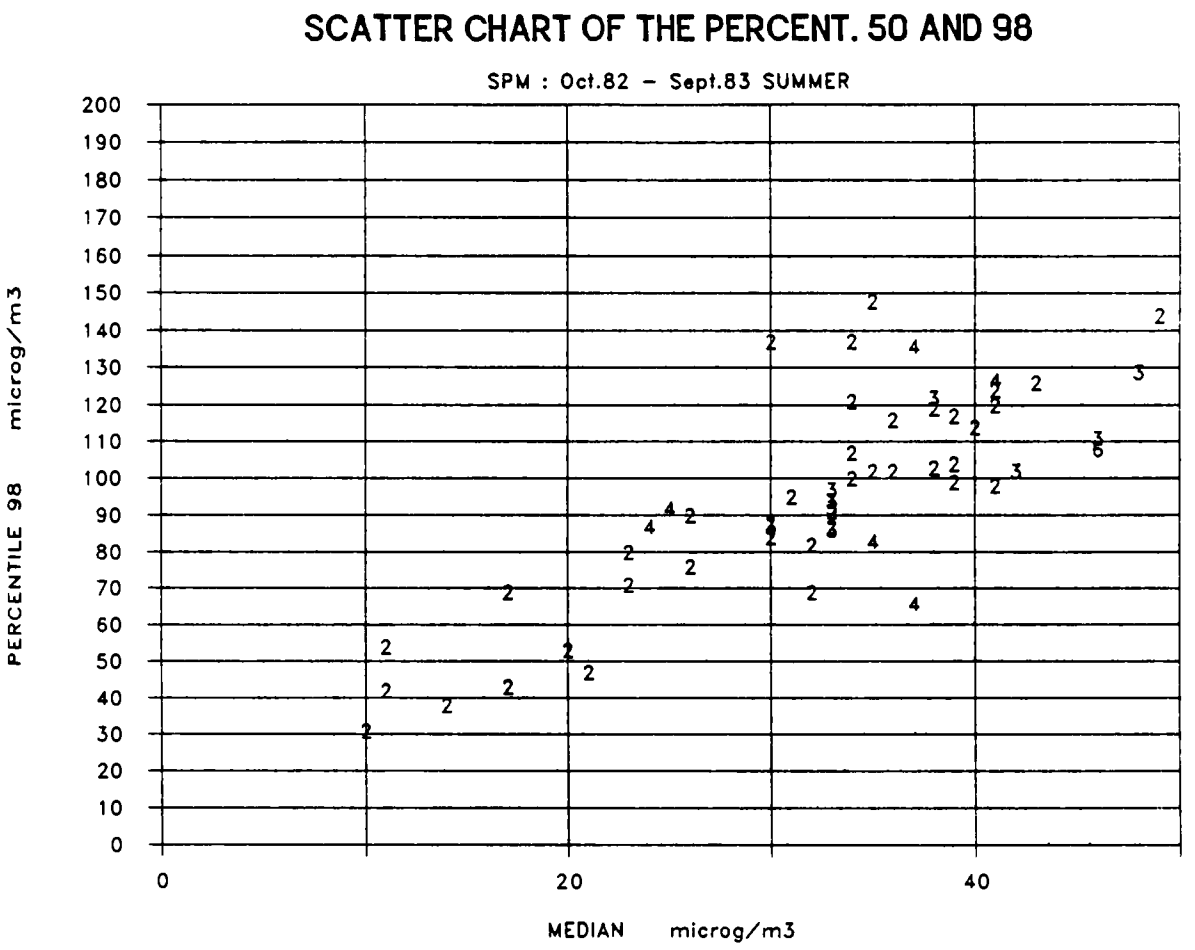


Fig. II.4.5

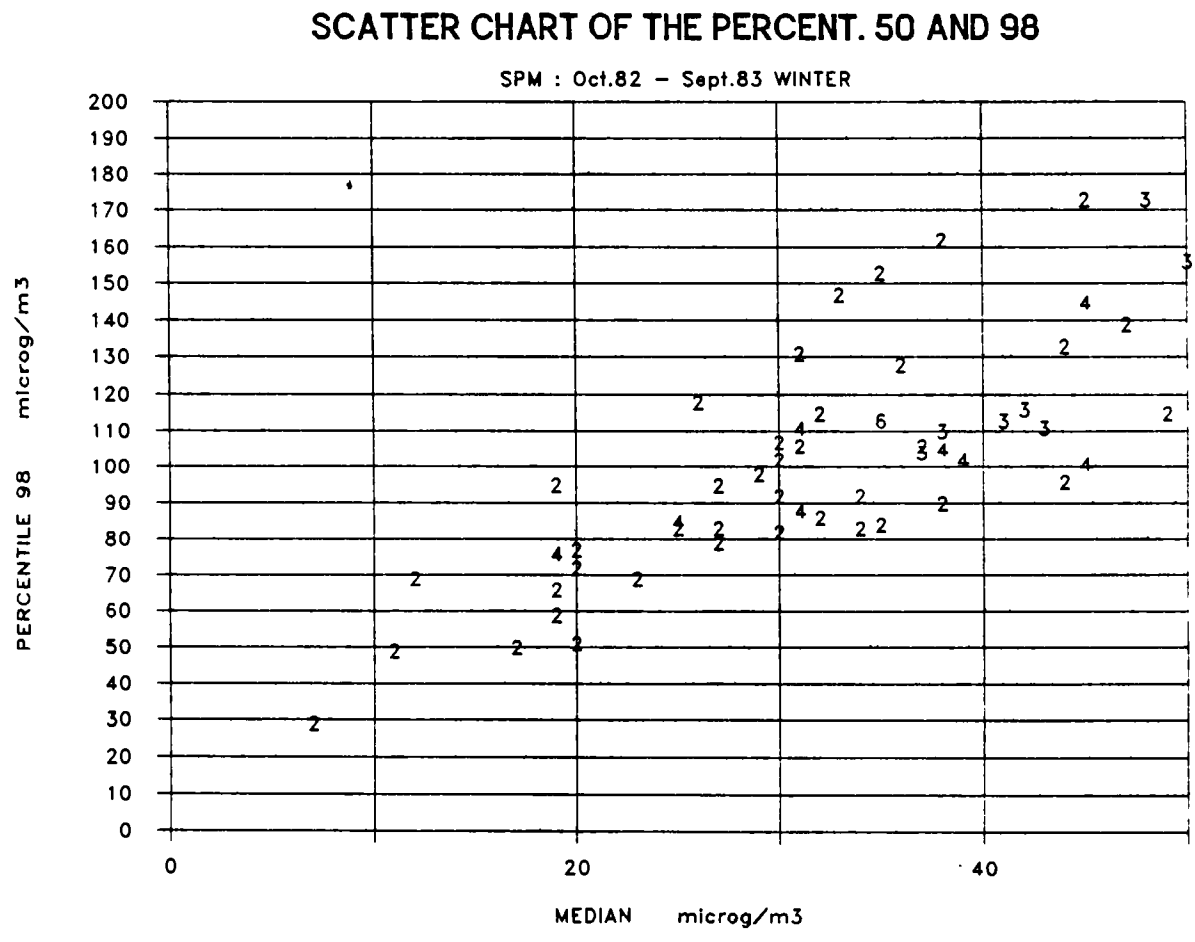


Fig. II.4.6

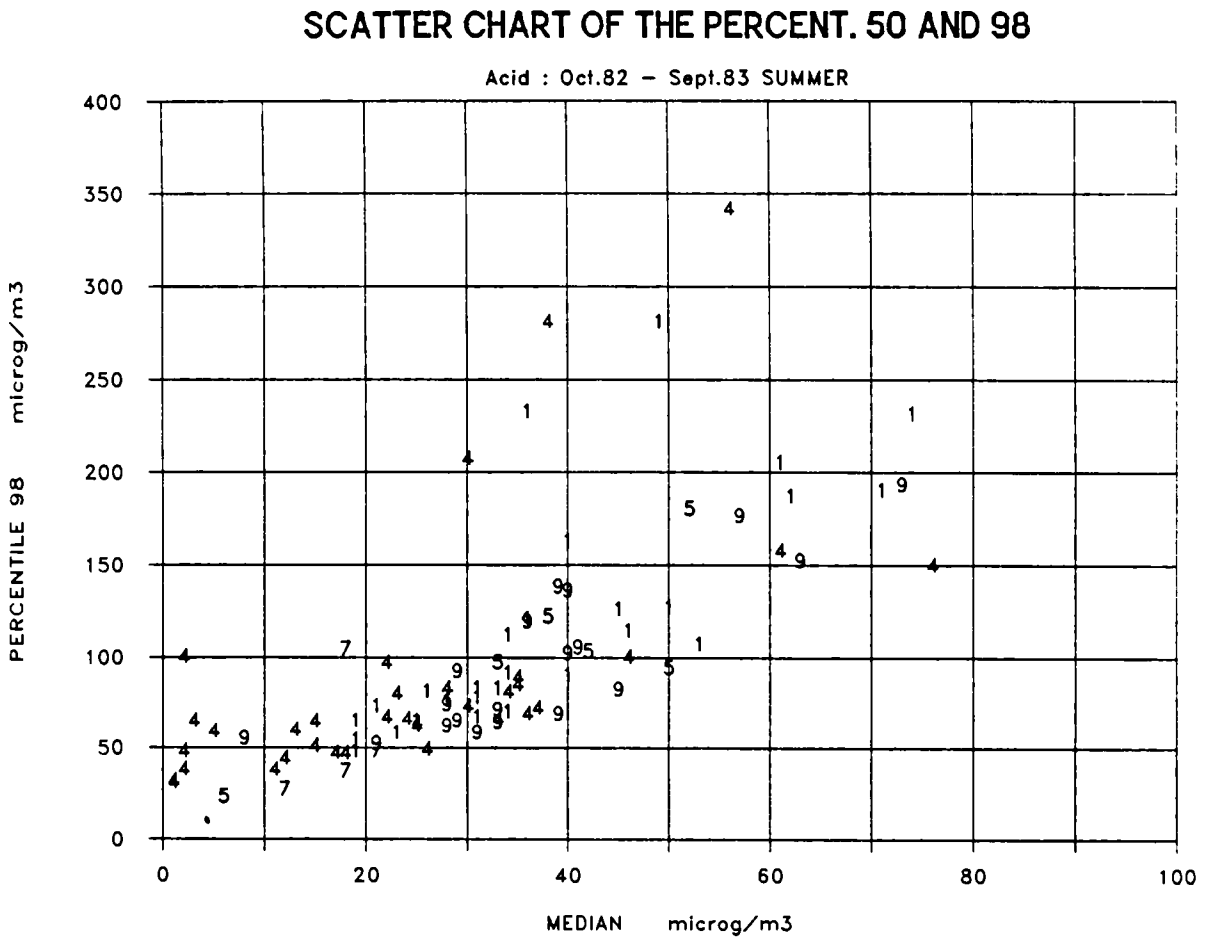


Fig. II.4.7

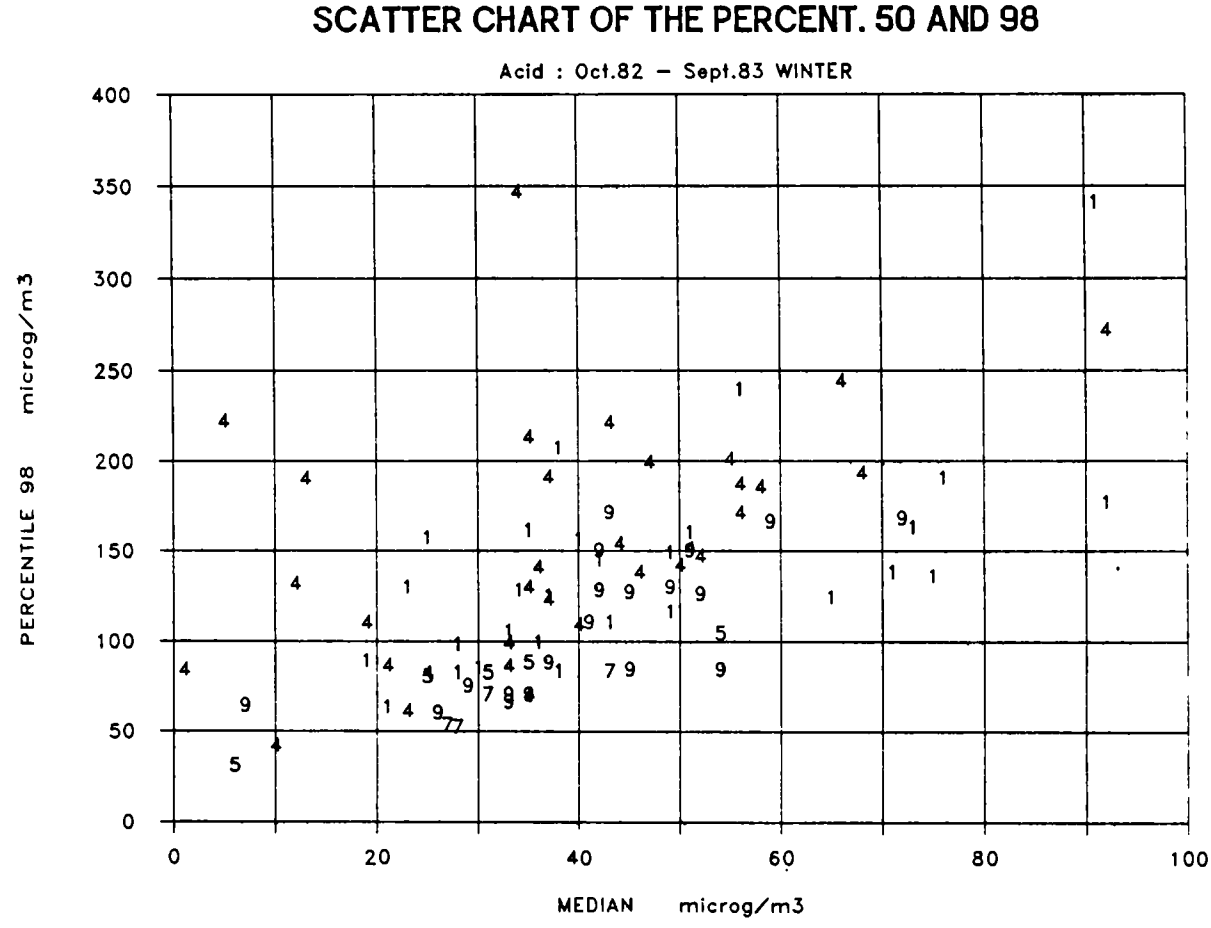


Fig. II.4.8

Correlation between the summer and winter percentiles 50 and 98 labelled with the country code.
Pollutant 1 (SO2) Oct. 82 - Sept. 83

dashed line: bisector.
continuous line: orthogonal regression line.

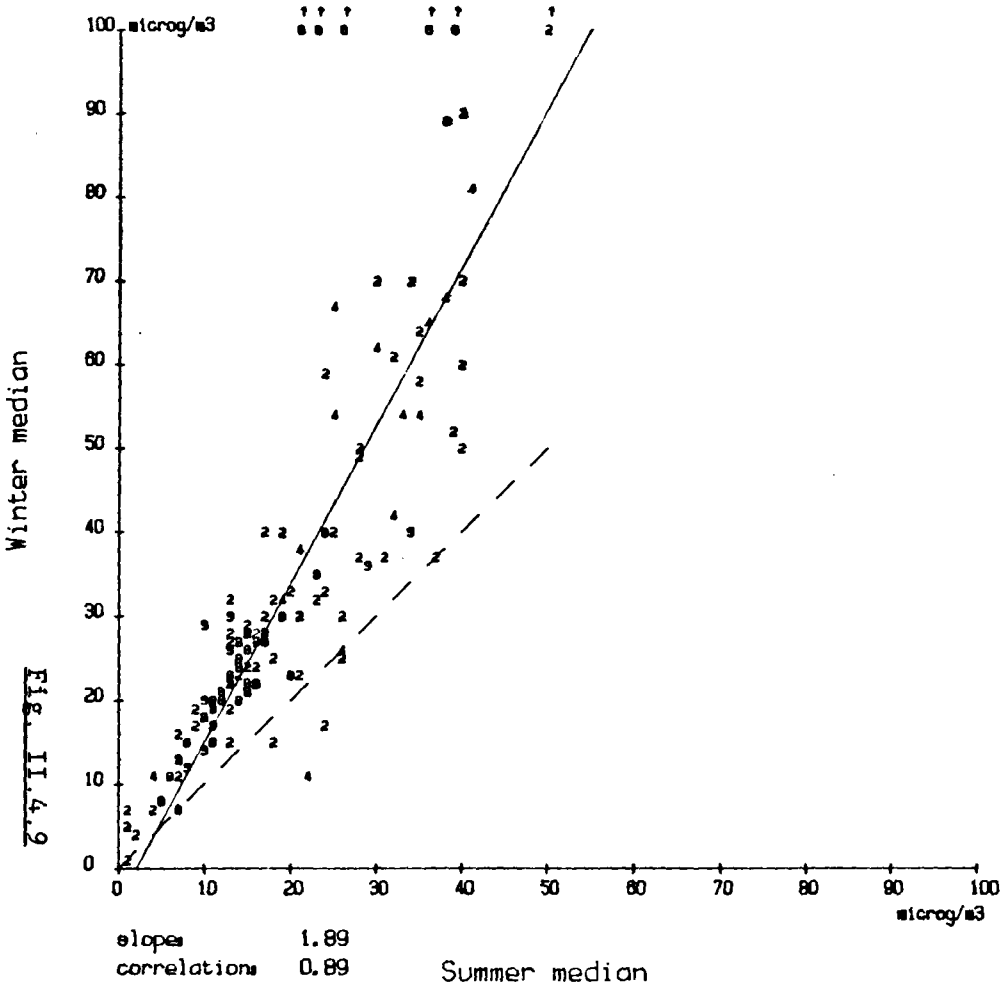
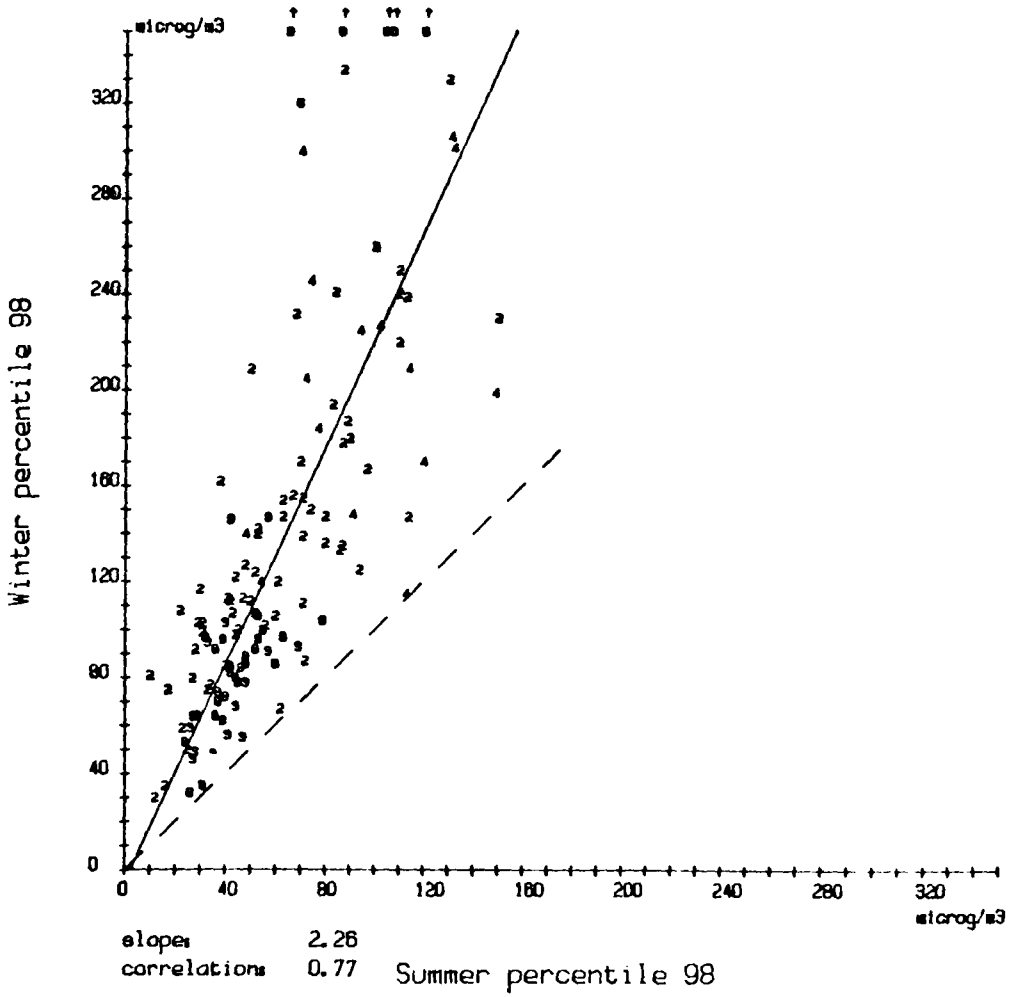


Fig. II.4.9



Correlation between the summer and winter percentiles 50 and 98 labelled with the country code.
Pollutant 2 (Smoke) Oct. 82 - Sept. 83

dashed line: bisector.
continuous line: orthogonal regression line.

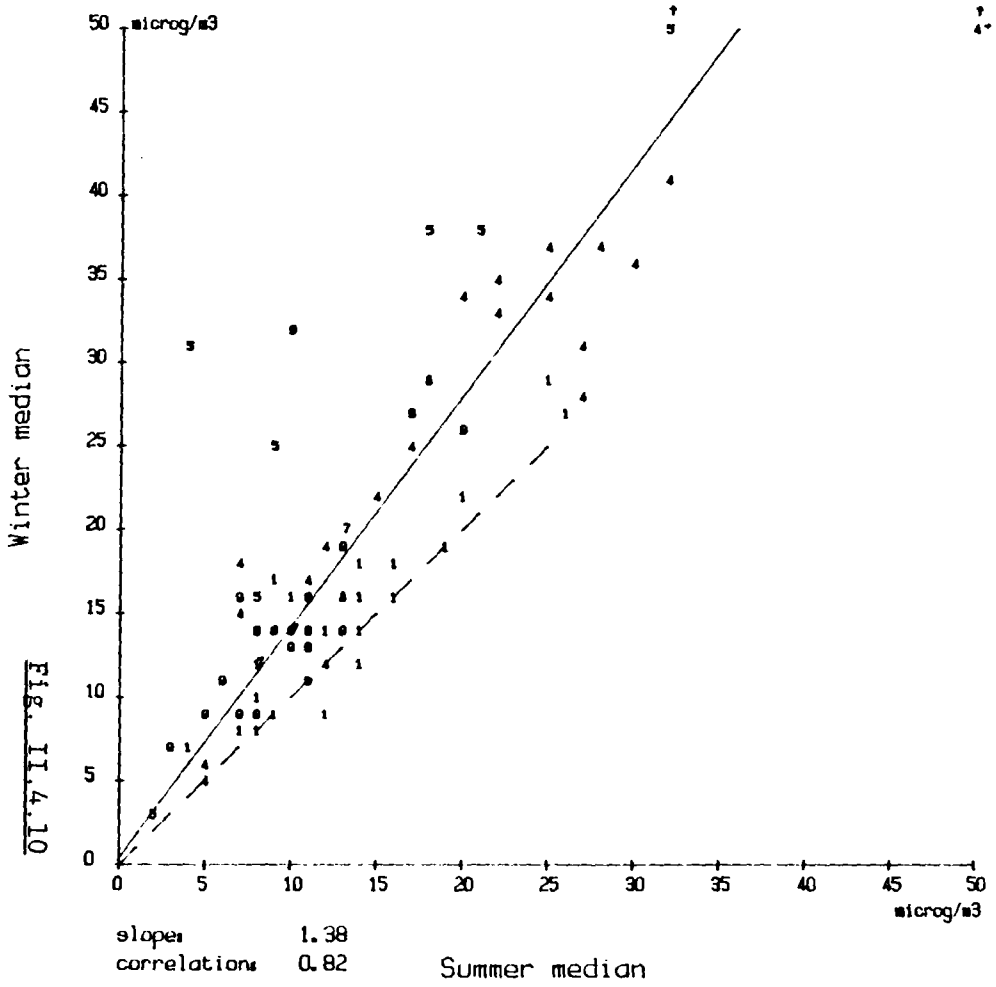
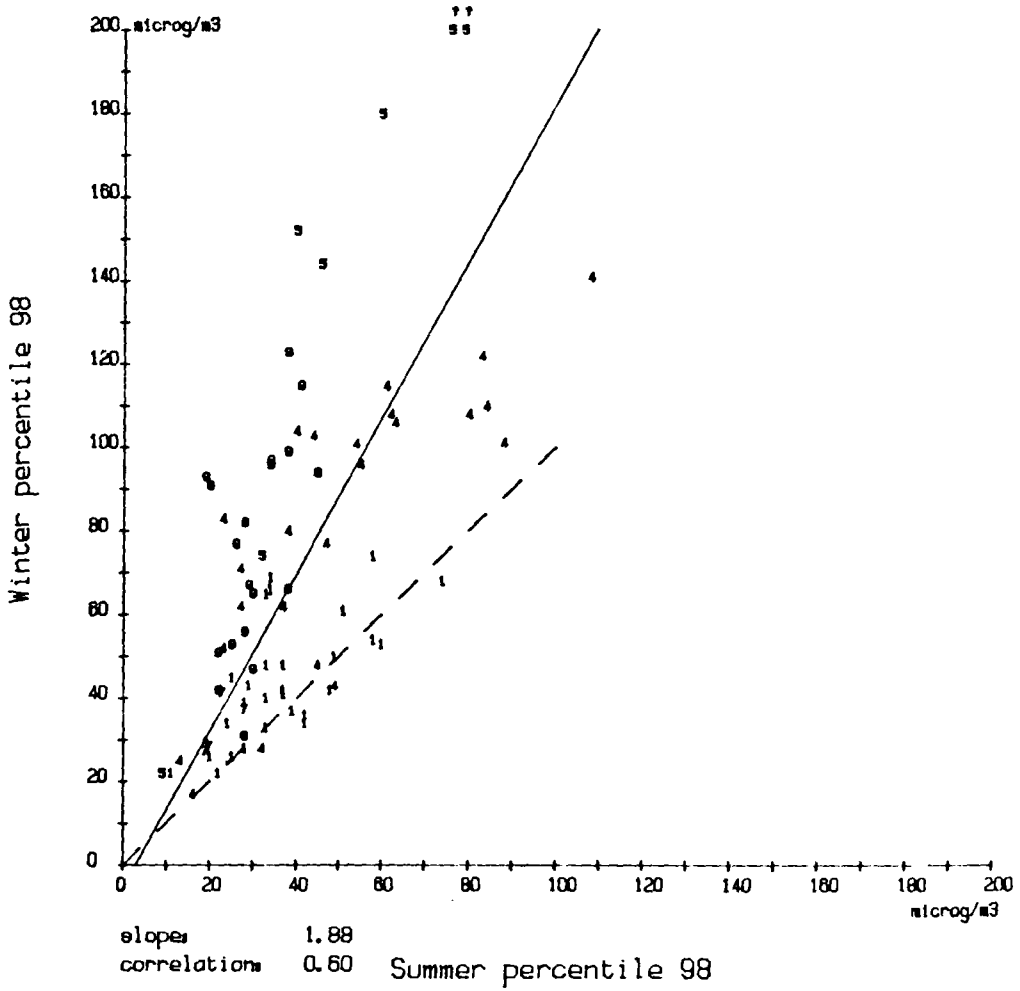


Fig. II.4.10



Correlation between the summer and winter percentiles 50 and 98 labelled with the country code.
Pollutant 3 (Spm) Oct. 82 - Sept. 83

dashed line: bisector.
continuous line: orthogonal regression line.

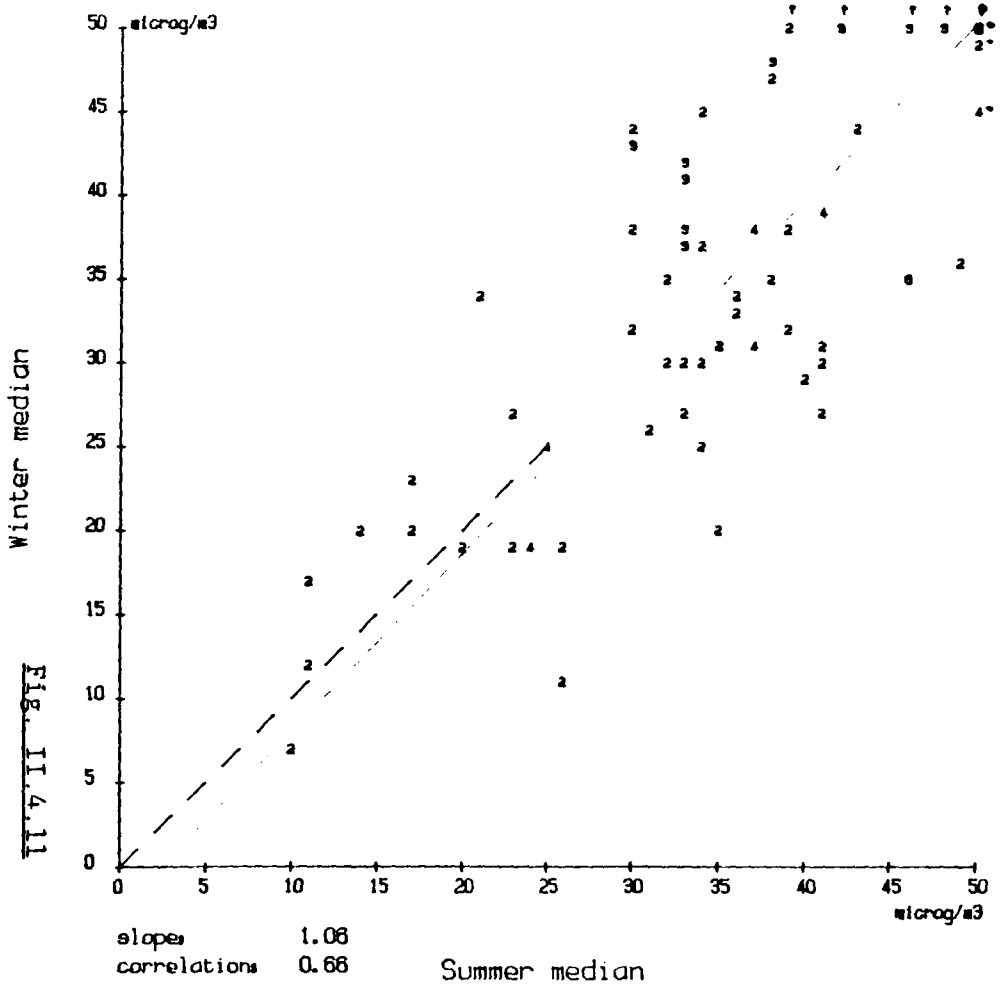
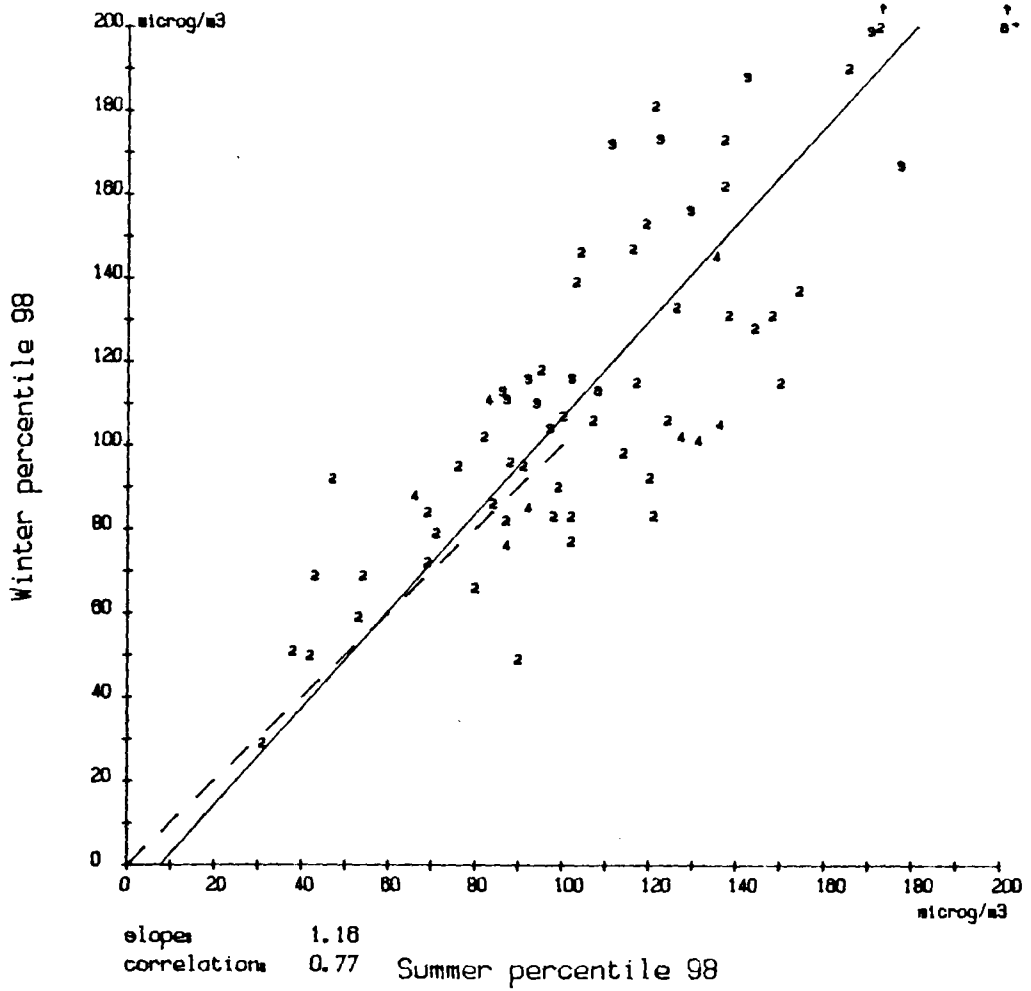


Fig. II.4.11



Correlation between the summer and winter percentiles 50 and 98 labelled with the country code.
Pollutant 4 (Acid) Oct. 82 - Sept. 83

dashed line: bisector.
continuous line: orthogonal regression line.

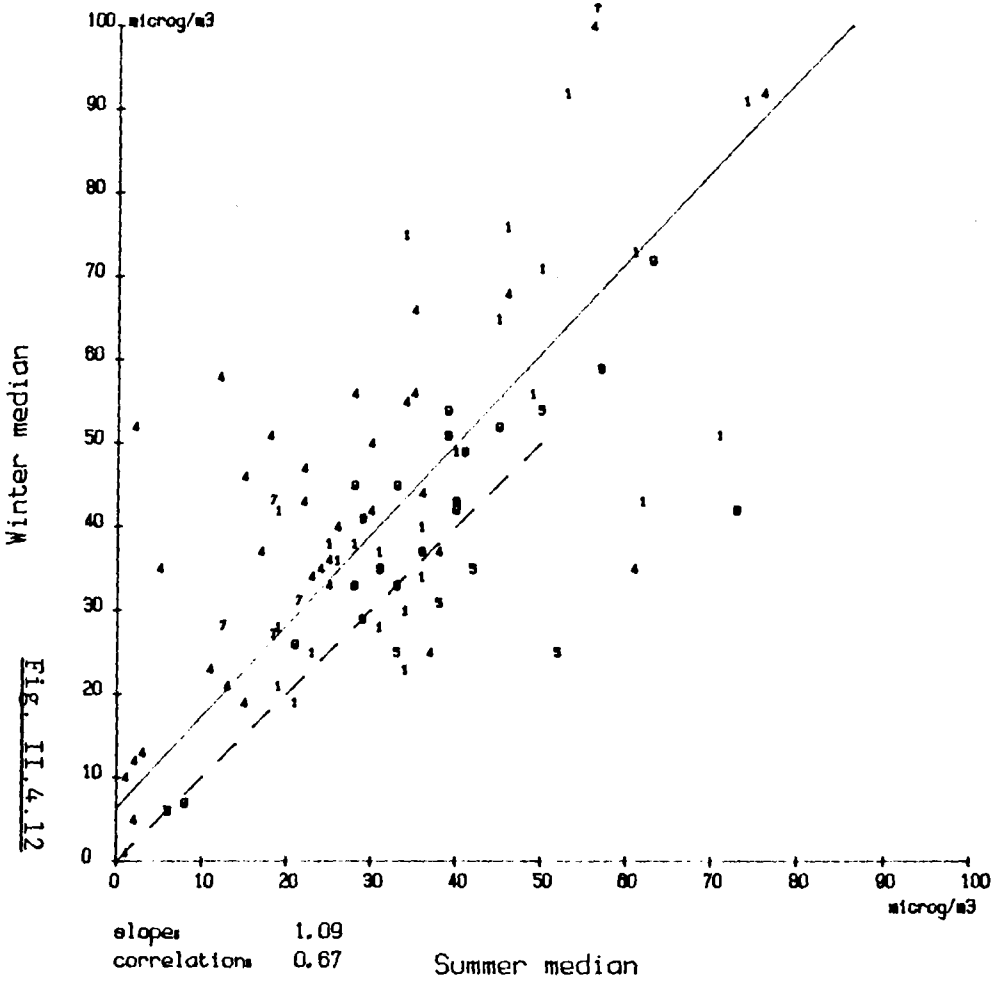
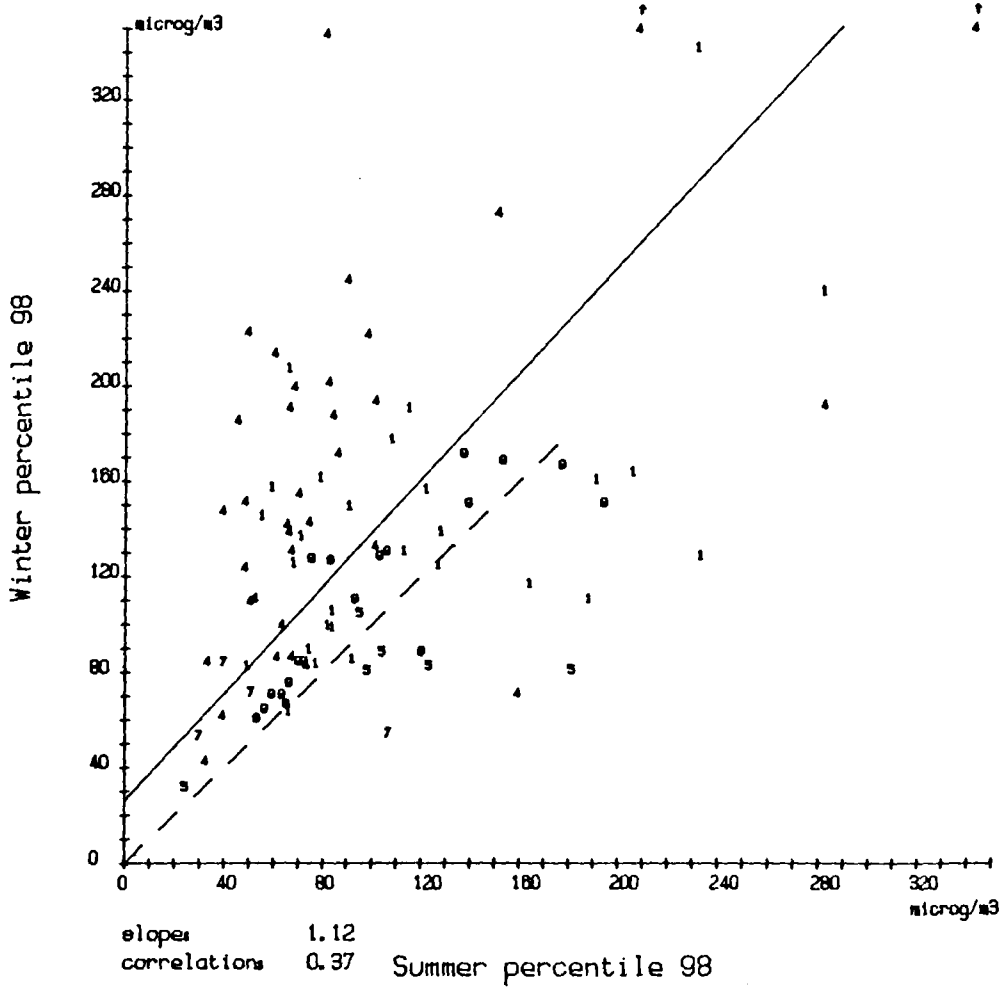


Fig. II.4.12



ISOLATED EXTREMES OF THE MONTHLY MEDIAN

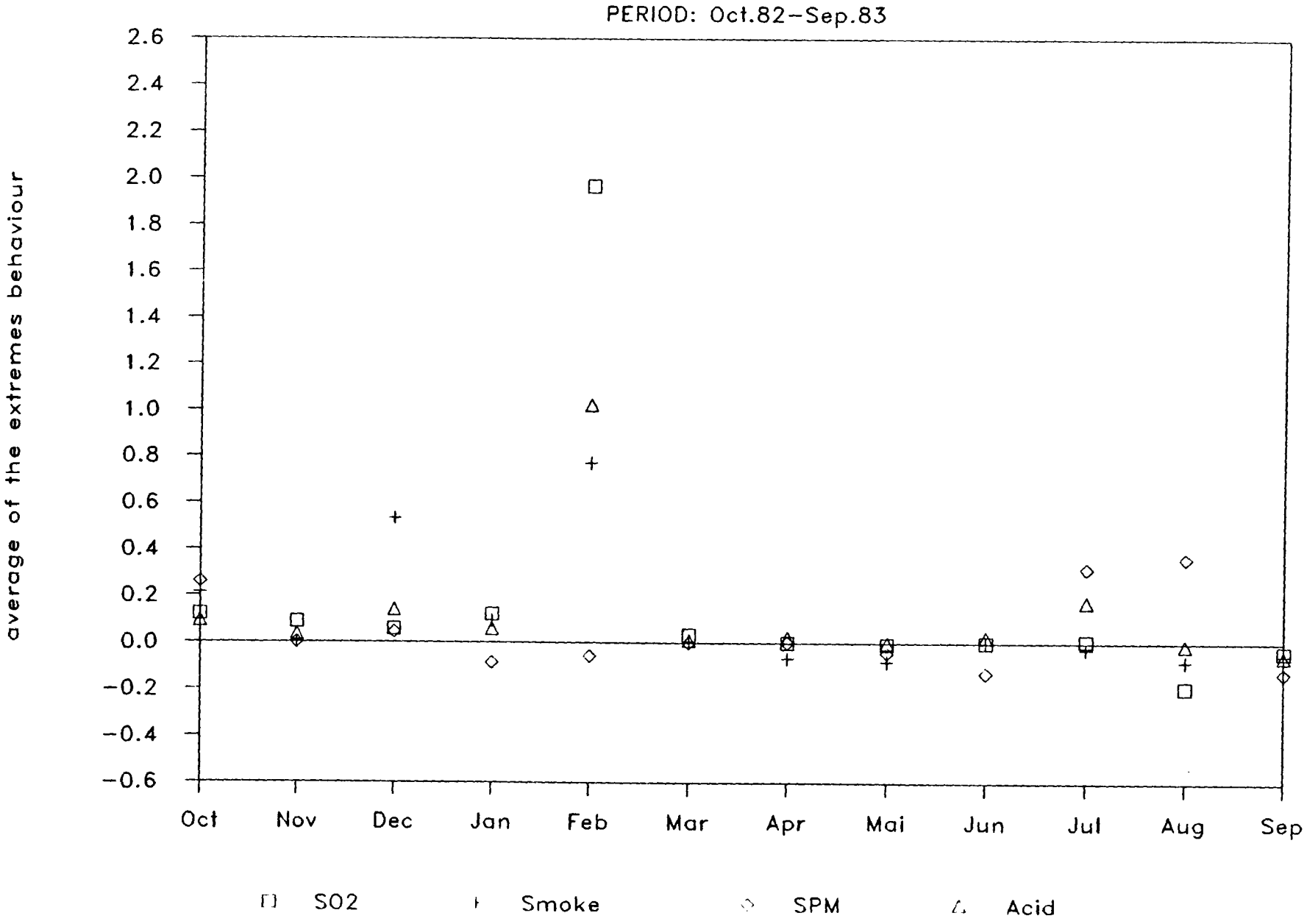


Fig. II.4.13

ANNEXES

Unselected series

A.1 Monthly medians

A.2 Global description

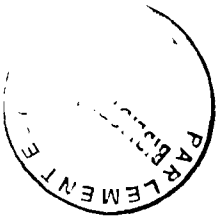
Selected series

A.3 Yearly percentiles 25,50,75,95,98

A.4 Annual descriptive parameters

A.5 First characteristics of the time series

A.6 Status of the isolated extremum of the monthly median values.



ANNUAL CHARACTERISTICS OF THE SERIES

October 1982 - September 1983

Annex 1: Monthly medians

Column caption:

Label	Explanation
Station code	PPCVVSSSPLTM: PP country code C town class code VV town code SSS station code PL pollutant code TM measurement technique code
monthly medians	measurement unit poll. 1-4: $\mu g/m^3$ poll. 19,28: ng/m^3 special symbols used: "--": no data recorded for the month "." : at least one missing value for the month
cas no.	number of cases reported for the year (measured values).

Monthly medians
Pollutant 1: SO_2 (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
021010060103	BERLIN (WEST	90	110	100	60	85	80	70	50	30	30	30	50.	364
021010080103	BERLIN (WEST	90	70	80	40	85	70	60	60	30	30	30	30.	364
021010160103	BERLIN (WEST	90	130	150	80	165	90	80	60	40	40	40	50.	364
021010180103	BERLIN (WEST	80	110	110	60	135	70	60	50	30	30	30	40.	364
021010200103	BERLIN (WEST	70	105	110	70	115	70	60	50	30	30	30	40.	364
021010280103	BERLIN (WEST	60	80	90	60	85	50	45	40	20	20	30	30.	364
022010050104	MUENCHEN, BA	13	17.	13.	13.	64.	17.	13.	13	13	13.	13	13.	333
022010070104	MUENCHEN, BA	13	21	20	14.	46.	20.	14.	13.	13.	16	13	15.	318
022010080104	MUENCHEN, BA	28	31	35	33.	65.	31.	20	18	16.	15.	18.	31.	338
022010100104	MUENCHEN, BA	25.	31.	30.	21.	49.	24.	17.	14.	15.	14	14.	19.	309
022010110104	MUENCHEN, BA	14.	35.	35	23	43.	30.	19.	13.	13.	13.	0.	13.	314
022010120104	MUENCHEN, BA	21	34.	32	21.	57.	21.	14.	13.	15.	16	13	15.	329
022010130104	MUENCHEN, BA	18	29.	30	15	69	23.	14.	13.	13.	17.	5.	16.	322
022010140104	MUENCHEN, BA	21.	26.	30	27	56	23.	15.	14.	14.	14.	0.	18.	289
022010150104	MUENCHEN, BA	27	38.	41	27.	63.	32.	23	21.	26	32	16.	23.	345
022010160104	MUENCHEN, BA	24.	30	28	18.	73.	24.	15	13	19	18.	13	15.	347
023010030105	DORTMUND	45.	50.	60	50	65	60	50.	30	40	40	40	50.	353
023020030105	DUISBURG	45.	50.	65.	40	70	60	60	50	40	40	0	50	341
023030010105	DUESSELDORF	100.	70.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	46
023030030105	DUESSELDORF	--.	--.	--.	--.	--.	60	40	40	30	20	20	30	214
023040010106	FRANKFURT-AM	--.	70.	63.	71	91.	59	46	32.	37.	29	17.	36.	283
023040030107	FRANKFURT-AM	35.	58.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	44
023040050107	FRANKFURT-AM	49.	61.	--.	--.	80.	60.	43.	22	39.	38.	44.	37.	264
023050810109	NUERNBERG, B	25.	43.	43	35	65.	44.	22.	20.	15	19	14	14	351
023050820109	NUERNBERG, B	30	41	44	24.	61.	21.	13	13	13.	27	21	15.	354
023050830109	NUERNBERG, B	24	34	30	26	86.	31.	17.	16	17.	20.	40	37	351
023060010126	STUTTGART	20	30.	30.	38.	83.	38.	21.	17	22.	29.	25.	14	320
023060020126	STUTTGART	20.	50.	50	39	47.	33.	24.	14	21.	15.	20.	21.	302
023060030126	STUTTGART	20	40.	30	30.	61.	39.	22.	15.	30.	26.	23.	15	296
023060040126	STUTTGART	20.	40.	20	30.	52.	38.	19.	15.	18.	16.	18.	15.	325
024010710109	AUGSBURG, BA	35.	46.	37	32	42.	41.	38.	31	43.	42.	28.	29.	322
024010720109	AUGSBURG, BA	20	28	27	17	32.	19.	13	13.	13	13.	13.	13	342
024020540109	ERLANGEN, BA	37	68.	61	48.	112	54.	35.	25	26	23	9.	15	354
024030010110	KARLSRUHE	45.	60.	50.	46	75.	45.	29.	22.	--.	20.	--.	45.	190
024030220110	KARLSRUHE	50.	90.	50.	40.	65.	46.	28.	20.	30.	31.	32.	25	285
024040010106	KASSEL, HESS	46	51	54	39	105	56	43	39	35	31.	59	36	362
024050060112	LUDWIGSHAFEN	23	40.	19.	15.	57.	26.	24.	15	25	22	40.	11	350
024050070112	LUDWIGSHAFEN	35	46.	43.	27.	54.	35.	23	23.	25.	29.	59.	34.	341
024050080112	LUDWIGSHAFEN	33.	50.	33	27	71.	38.	24.	27.	31	40.	38.	29	350
024061100110	MANNHEIM	50.	70.	60.	73.	70.	57.	40.	40	28.	18.	36.	38.	258
024061110110	MANNHEIM	30.	60.	40.	23.	77.	39.	18.	10.	20.	29.	41.	20.	278
024061120126	MANNHEIM	20.	50.	30.	27.	78.	39.	27.	22	44.	31.	29.	26.	264
024070310109	REGENSBURG,	23	25	28	27	74	33.	16.	15.	17.	18	4.	13.	336
024080010106	WIESBADEN, H	47	46.	49	47.	57.	58.	27	21.	27.	27.	46.	28.	302
024080020106	WIESBADEN, H	42	75	72	61	78.	49	43	36	34	32.	31	27	353
024090640109	WUERZBURG, B	15	24	20	19.	79	29.	17.	13	19	17.	16	14.	355

Monthly medians

Pollutant 1: SO_2 (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
024090650109	WUERZBURG, B	17.	26	29.	33	84	32.	21.	14	18	15.	14	14.	345
024100110109	INGOLSTADT,	17.	30	25.	21	54.	22.	15	14.	18.	18.	17	13.	344
024110850109	FUERTH, BAYE	13	22	29.	27	69	43.	30.	14	13.	20.	14.	55.	330
024120030112	MAINZ	27.	37.	40	25.	126.	32.	29	15.	20.	19.	29.	17.	350
024120040112	MAINZ	16.	17.	28.	20	53.	36.	30	17.	30.	29.	40	21.	339
024120050112	MAINZ	29	34.	34	26	62.	28.	23	17.	28	23	32.	13	354
024130010126	FREIBERG	20.	25.	20	14.	47.	24.	16.	11.	--.	12.	10.	8	269
025010610109	ASCHAFFENBUR	22	32.	22.	21	37.	26.	24.	17.	20.	17.	15.	20	338
025020910109	KELHEIM, BAY	17.	17.	14.	13.	37.	24.	18.	23	30.	35.	20	26.	335
025020920109	KELHEIM, BAY	14	15	13.	13.	53.	25.	17	17.	19	22	3.	19.	347
025030010126	HEILBROENN	40.	40.	40.	49.	72.	48.	32.	24	--.	37.	30.	31.	300
025040010126	ULM	10.	--.	--.	--.	29.	30.	21.	13.	--.	26.	19.	4.	201
026990010113	B.R. DEUTSCH	9.	3	3	2	10	3	5.	3.	2	1.	1	1.	359
026990020113	B.R. DEUTSCH	2	3.	3	4.	50	11	2.	0	2	0.	4.	1	353
026990030113	B.R. DEUTSCH	6.	8	12	13.	24	13	10	3	9	6	8	6	363
026990040113	B.R. DEUTSCH	12	11	10	7	30	10	6	6	5	8	9	5	365
026990050113	B.R. DEUTSCH	9.	--.	15.	9	15.	8	12	9	3	3	2	9.	325
026990060113	B.R. DEUTSCH	2	3	7.	8	14	14	3	3	4	7.	5	4	363
026990070113	B.R. DEUTSCH	0	2	1.	1	7	3	1	0	0	1	1	0	363
026990080113	B.R. DEUTSCH	8	7	7	5	10	5	8	3	0	0	0	4	365
026990090113	B.R. DEUTSCH	18	15	14	11	14	11	12	9.	4.	4	6	7	360
026990100113	B.R. DEUTSCH	8.	10.	22	27	35.	29	12.	6.	14.	8	8.	13.	340
026990120113	B.R. DEUTSCH	17	14	17	14.	33	14.	14.	10.	9.	6.	7	13.	344
026990130113	B.R. DEUTSCH	2	5	4.	4.	18	10	2	0	1	2	1	0	356
026990140113	B.R. DEUTSCH	1.	3	4	8.	20	7	2	0	0.	0	0	0	349
026990150113	B.R. DEUTSCH	9	14	17	14	62	17.	13.	5	8	3	5	6	363
026990160113	B.R. DEUTSCH	10	11	16	14	165	23.	13	5	12	8	19.	2.	358
026990240110	B.R. DEUTSCH	30.	40.	30.	50	45.	42.	25.	17.	--.	15.	22.	21.	285
032011010127	KOBENHAVN	25.	25.	31.	23.	33.	26.	24.	18	8	7	13	12	328
032011030127	KOBENHAVN	31.	41.	53.	34.	47.	27.	32.	29	26	23	31	31	337
032011030128	KOBENHAVN	39.	41	46	29	45	29.	33.	36.	33.	24	37.	42	336
032012100127	KOBENHAVN	21	20	20.	18.	20.	18.	23	18	4	6	9	9	331
032012210127	KOBENHAVN	26.	24.	47.	19.	47.	29.	29.	22	9	10	11	11	327
032013420127	KOBENHAVN	10.	11.	17.	13.	39.	13.	11	8	5	5	6	6	331
032013480127	KOBENHAVN	16.	30.	36.	24.	37.	29.	17	14	6	7	10	12	345
034018150127	AALBORG	26	20	22	14	35.	19.	28	18	11	9	15	14	351
034018150129	AALBORG	--.	--.	--.	--.	--.	--.	--.	23.	13.	7.	18.	14.	83
034029150127	ODENSE	21	24.	25.	19	32.	19.	19	12	12	9	15	12	347
034029150129	ODENSE	27.	24.	18.	15	26.	--.	--.	--.	--.	--.	--.	--.	129
035015650127	ESBJERG	14	14	13	9	11.	10.	8	8	5	7	13	9	351
035015650129	ESBJERG	16.	18	13.	11	13.	8.	--.	--.	--.	--.	--.	--.	146
035025150127	FREDERICIA	19.	22	23	16	22.	20.	15	14	4	8	9	9	348
035025150129	FREDERICIA	--.	--.	--.	--.	--.	17.	20.	21	18.	10	11.	12.	140
035033510127	NAESTVED	21.	40.	33	33	28.	26.	19	5	9	10	13	17	349
035033510129	NAESTVED	14.	46.	35	27.	44.	25	18.	--.	--.	--.	--.	--.	151
035046350127	RANDERS	16.	14	14	10	19.	14.	13	10	8	8	12	10	350

Monthly medians

Pollutant 1: SO_2 (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
035046350129	RANDERS	--.	--.	--.	--.	--.	11.	15	15.	11.	6.	10	12.	180
042010180137	LYON	5	16	10	24.	30.	5.	1.	20	24.	45.	18	24	336
042010210137	LYON	52	62.	48	99.	82.	41.	62.	23.	50.	36.	17.	17	299
042020010136	MARSEILLE	28.	31.	63.	83.	57	30.	12.	8.	15	15.	11.	21.	237
042020140136	MARSEILLE	53.	40.	71.	78.	122.	82.	40.	49.	49.	39.	19.	34	309
042020180136	MARSEILLE	49	53.	69.	58.	59.	48.	27.	20.	36.	20	15.	27.	296
042022040136	MARSEILLE	72	53.	86.	102.	110.	89.	29.	31.	53.	40	20.	64	310
042022060136	MARSEILLE	63.	55.	71.	83.	39.	63.	49.	24.	54	32.	13.	21.	265
043020040136	LILLE-ROUB.-	30.	25.	44.	28.	73.	48	19.	11.	20.	17	30.	47.	320
043020050136	LILLE-ROUB.-	29.	20.	39.	23.	75.	20.	18.	29.	35.	32	20.	21.	275
043020070136	LILLE-ROUB.-	19.	17.	58.	59.	114.	38.	21.	13.	22.	32	7.	30.	303
043020080136	LILLE-ROUB.-	--.	--.	--.	--.	--.	12	20.	21.	11.	18.	21.	19.	172
043020100135	LILLE-ROUB.-	30.	35.	84.	63.	59.	39	74.	51.	24.	30.	31.	36.	317
043020230136	LILLE-ROUB.-	37.	57.	105.	66.	96.	89	51.	26.	39.	24.	13.	18.	291
044020470135	LE HAVRE	75.	205.	82.	--.	159.	--.	--.	95.	42.	--.	--.	--.	76
044040040135	ROUEN	54.	67.	74.	99.	89.	46.	--.	49.	--.	39.	--.	--.	135
044070070135	CAEN - AGGLO	--.	--.	--.	--.	35.	18.	24.	15.	11.	8.	--.	--.	129
045040050135	DUNKERQUE	19.	33.	74.	83.	96.	48.	39.	17.	30	39.	27	30.	330
045040070136	DUNKERQUE	32.	43.	45.	54.	43.	45.	29.	34.	37	44.	22.	9.	305
045040110135	DUNKERQUE	7.	15.	36.	20.	59.	15.	8.	3.	10	29.	17	10.	324
045040130135	DUNKERQUE	9.	10.	20.	12.	66.	7.	1.	2.	1	5.	6	11.	306
061010090120	MILANO	34.	211.	333.	375.	226.	--.	--.	--.	21.	8.	--.	--.	111
061010100120	MILANO	31.	185.	356.	426.	289.	138.	42.	16.	29.	21.	11.	18.	258
061010130120	MILANO	30.	153.	218.	263.	209.	109.	39.	18.	24.	23.	23.	75.	252
061010140120	MILANO	27.	164.	249.	294.	186	88.	32	22.	22.	8.	19.	23.	268
061010150120	MILANO	57.	132.	204.	167.	174	91.	47.	36.	39.	39.	--.	61.	255
061010160120	MILANO	48.	252.	407.	600.	250	130.	58.	34.	31.	36.	39.	34.	259
062010010122	TORINO	123.	200.	341.	372	173	0	94	0	0	0	0	0	347
062010020122	TORINO	160.	201.	278.	309	192	177	99	--.	0	0	0	0	305
062010030122	TORINO	--.	--.	--.	270	150	114	72	0	0	0	0	0	273
064040010121	BOLZANO	--.	--.	--.	--.	115.	62.	42.	--.	--.	21	--.	47	135
064040020121	BOLZANO	72.	115.	110.	154.	65	81	59	55	28	35	26	37	342
064040030121	BOLZANO	--.	157.	--.	161.	142.	100	95	83.	20	25	31	49	287
064080010124	PESCARA	3.	--.	23.	34.	26.	--.	4.	3.	0.	6.	0.	5.	34
065090010124	PISTOIA	--.	--.	--.	99.	60.	26.	--.	--.	--.	--.	--.	--.	56
065140010124	VERCELLI	35.	95	146	229	159	104.	--.	--.	--.	--.	--.	--.	163
083015150102	AMSTERDAM	26.	33.	31.	20.	20.	--.	--.	--.	--.	--.	--.	--.	105
083015160102	AMSTERDAM	26.	32.	31.	26.	16.	30.	23.	16.	17.	10.	5	18.	290
083015180102	AMSTERDAM	24.	25.	27.	13.	20.	--.	23.	--.	14.	16.	13	14.	244
083015190102	AMSTERDAM	26.	23.	40.	22.	17.	--.	--.	--.	--.	--.	--.	--.	115
083015200102	AMSTERDAM	29	27.	32.	25.	16.	28.	28.	18.	16.	11.	4.	18.	294
083015210102	AMSTERDAM	28.	25.	30.	14.	26.	20.	23.	17.	12.	14.	8.	17.	269
083015230102	AMSTERDAM	30.	30.	35.	25.	25.	20.	18.	13.	14.	15.	8.	24.	283
083015250102	AMSTERDAM	21.	23.	27.	19.	25.	22.	24.	13.	12.	15.	9.	17.	267
083024040102	DEN HAAG	38	31.	33	20	18.	25.	29.	20.	15	16	8.	16.	348
083024050102	DEN HAAG	28.	24.	25	10.	15.	13.	15.	11.	9	11.	8.	9	335

Monthly medians

Pollutant 1: SO_2 (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
083034180102	ROTTERDAM	31	41	42.	45.	41.	37.	32	23.	26.	18	11.	22.	335
083034230102	ROTTERDAM	26	26.	31.	24.	29.	34.	24.	15.	17	19	10.	22	327
084018140102	ENSCHEDE	19	11.	15.	12	19	13.	18	12.	8.	9.	8.	13.	338
084029080102	GRONINGEN	18.	--.	--.	5.	5	7.	12.	8	7.	5.	4	5.	279
084029090102	GRONINGEN	8.	--.	--.	4.	8.	4.	--.	--.	9.	8.	5.	5.	195
084032130102	TILBURG	40.	36.	37.	29.	35.	32.	26.	21.	24.	17.	17.	23.	300
084032140102	TILBURG	17.	25.	30.	20.	21.	21	16.	10.	13.	13.	6.	12	329
084046070102	UTRECHT	26.	23.	27.	20	21.	23.	22.	13.	15.	10.	7.	13.	322
084046100102	UTRECHT	24.	21.	28.	17	17.	23.	20.	15	14.	11.	6	17.	334
085015280102	BUSSUM	28.	17.	21.	18.	16.	17.	18.	13.	11.	8.	8.	12.	262
085022040102	DEN BOSCH	27.	31.	36.	26.	33.	30	25.	17.	21.	16	12.	24.	332
085035300102	HILVERSUM	25	18.	22.	12.	18.	18.	18.	13.	13.	11.	9.	15.	280
085041210102	MAASTRICHT	18.	17.	34.	19.	48.	21.	19.	19	22.	23.	20.	16	296
085053040102	MIDDELBURG	26.	27.	22	12	30.	19.	21.	17.	14.	17.	13.	12	339
085068060102	ZWOLLE	24.	19.	19.	15	16	19.	17.	13	11.	9.	5.	11.	341
086991240102	LIG.ACHTERGR	14.	16.	24.	14.	39.	19.	15.	8	13.	15.	13.	9.	318
086992060102	LIG.ACHTERGR	13.	28.	22.	15.	22.	18.	13.	8.	13.	12.	8.	9.	286
086993120102	LIG.ACHTERGR	27.	38.	32	23.	21.	26.	20.	19.	14.	20.	10.	17.	299
086995010102	LIG.ACHTERGR	14.	11.	6.	8.	5.	7.	8.	5.	3.	6.	3	3.	284
086996170102	LIG.ACHTERGR	10.	12.	12.	8.	5.	11.	8	7	7.	4.	2.	1.	322
086998150102	LIG.ACHTERGR	18.	15.	13.	11.	17	16.	19.	11.	7	7.	7.	9.	316
086999010102	LIG.ACHTERGR	12.	8.	8.	8.	7.	7.	8.	7	4.	4.	2	3.	332

Monthly medians
Pollutant 2: Smoke (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
012010010203	BRUXELLES	23	16	21	12	23	14	11	9	8	6	11	9	365
012010020203	BRUXELLES	33	25	30	24	26	29	23	17	24	33	30	27	365
012010080203	BRUXELLES	12	8	12	7	12	10	8	7	9	12	12	7	365
012010140203	BRUXELLES	7	8	9	4	11	11	8	4	8.	--.	10.	6	323
012010170203	BRUXELLES	16	12	13	11.	17	13	10	10.	11	15	14	15.	333
012010220203	BRUXELLES	21	14	16.	14.	24.	21	16	14	18	13	23	17	320
012010260203	BRUXELLES	14	10.	20	13	24	20	13	12	13	16	14	11	364
013018010203	ANTWERPEN	19	15.	18.	15	18	15	12	14	13.	11	13	15.	339
013018090203	ANTWERPEN	26	30	34	28	30	30	28	29	27	19	22	34.	351
013018120203	ANTWERPEN	11	15	15	10	17	16	11	9	8	8	10	12.	351
013018130203	ANTWERPEN	11	12	14	9	16	17	13	15	11	9	11	15.	351
013018180203	ANTWERPEN	16	12	26.	9	16	11	12	9	12	10	14	12.	350
013018260203	ANTWERPEN	9	10	13.	3	14	11	11	6	8	11	11	8	351
014015010203	CHARLEROI	16.	14.	21.	14	14	7	14	9	13.	16	16	9.	325
014015040203	CHARLEROI	9	9	12	12	28	14	12	10	17	16	21	7.	351
014015050203	CHARLEROI	17	16	23	14	33	16	16	16	25	17	25	14.	351
014015090203	CHARLEROI	6	6	16.	17	32	27	14	9	10	9	14	16.	344
014015130203	CHARLEROI	9	7	10	9	13	12	6	9	10	16	17	17.	351
014015140203	CHARLEROI	14	12	17	17	21	16	14	14	14	16	17	9.	351
014027010203	GENT	20	8.	14.	8	15	18	13	16	13	14	12.	19	361
014027060203	GENT	9.	8.	8.	7	9	8	7	8	7	8	5.	9	346
014027070203	GENT	28	16	22.	14.	31	22.	16	16	20	22.	26	22	356
014027090203	GENT	12.	10	10	7	11	7.	8	8.	6	8	10	12	352
014027120203	GENT	18	14	23.	12	25	14.	12	16	10	12	12	17	357
014027150203	GENT	14.	12.	16.	10	13	7.	--.	7.	8	9.	8.	13	284
014032020203	LIEGE	12.	--.	14.	--.	--.	--.	--.	--.	--.	--.	--.	--.	28
014032050203	LIEGE	17.	--.	22.	--.	--.	--.	--.	--.	--.	--.	--.	--.	28
014032150203	LIEGE	30.	--.	78.	--.	--.	--.	--.	--.	--.	--.	--.	--.	28
014032180203	LIEGE	8.	--.	4.	--.	--.	--.	--.	--.	--.	--.	--.	16.	42
014032290203	LIEGE	10.	--.	12.	--.	--.	--.	--.	--.	--.	--.	--.	--.	28
014032300203	LIEGE	11.	--.	14.	--.	--.	--.	--.	--.	--.	--.	--.	--.	28
015016050203	BRUGGE	16.	14.	19.	10	14.	8	10	8.	7	8	10	9	340
015026030203	KORTRIJK	29	29	35	25	37	27	20	19	18	21.	10.	16.	349
015033020203	LIBRAMONT	6	6	7	5	10	7	5	4	4	4	6	3.	357
015044040203	NAMUR	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	0
015044050203	NAMUR	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	0
015044110203	NAMUR	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	0
041010110210	PARIS	40	35	33	28	47	30	27.	17	20	28	20	23	340
041010170210	PARIS	35	29	31.	26	40	28	25	19	25	38	29.	28	381
041010490210	PARIS	40	37	38.	36	44	34	27.	19	24	30	22	26	362
041010650210	PARIS	32.	33.	33.	27.	45	31.	24.	18.	19.	31.	23.	20	342
041010990210	PARIS	48	40	44	37	47	36	32.	27	30	37	24	32	364
042020010210	MARSEILLE	--.	27.	38	40	34.	34	17.	20.	29	28	17	31	301
042020140210	MARSEILLE	20	26	30	25	24	19	10	19.	14.	23	16.	29.	308
042020180210	MARSEILLE	34.	36	59	40	38	32	14	17	31.	36	34	51	346
042022040210	MARSEILLE	77	78	87	62	83	80	47	51.	71.	68	49	65	348

Monthly medians

Pollutant 2: Smoke (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
042022060210	MARSEILLE	28	28	30.	20	29	23	13	22	39	38	28	33.	360
044010010210	CLERMONT-FER	11	11	13	23	20	11	8	7	8	9.	9	8	364
044010020210	CLERMONT-FER	13	14.	16	27	21	17	11	7	12	13.	13.	11	359
044010040210	CLERMONT-FER	4	4	6	7	8	7	4	2	5	7	5	5	365
044010080210	CLERMONT-FER	4	5	6	9	11	7	4	4	6	6	4	2	365
044010320210	CLERMONT-FER	32	43	38	47	32	27	22	25	24	17	19	22	365
044010330210	CLERMONT-FER	14	14	14	23	22	14	13.	10.	14	10	9	13	348
044020470210	LE HAVRE	42	30	30.	16.	17	29	23	14	18.	24.	15.	10	326
044031040210	NANTES	12	21	22	21	23	23	13	10	16	16	15	13.	362
044031060210	NANTES	12.	14	15	15	13	15.	7.	5	9	7	6.	9.	319
044040010210	ROUEN	21	16	18	19.	16	14	5	5.	--.	16.	7	8.	269
044040040210	ROUEN	55	44	39	28	34	33	27	24	30	26	26	35	365
044040060210	ROUEN	27	21	20	16	18.	12.	14.	7	10.	16.	--.	14.	302
044040070210	ROUEN	21.	22.	22.	17.	12	15.	12.	11	13.	16.	16.	20	244
044040110210	ROUEN	16.	14.	18.	7.	17.	14	11.	11.	18	17.	14	9	277
044042080210	ROUEN	27.	8.	10.	10	12	17.	14.	10.	18	18	10.	5	321
053010010204	DUBLIN	54	60	62	45	53	42	34	45	25	31	24.	45	364
053010040204	DUBLIN	35	42	62	33	55	27	28	25	16	15	18	27	365
053010070204	DUBLIN	28	34	42	18	20.	13	18.	9	6	8	9	18	356
053010100204	DUBLIN	27	34	51	24	44	29	28.	25.	2.	1.	2	5.	338
053011030204	DUBLIN	25	42	54	29	41	32	39	29	12	7	11	25	365
054010010205	CORK	21	27.	49.	--.	--.	--.	--.	--.	--.	--.	4.	8.	61
055010010206	GALWAY	13	21	15	12	31	19	22	11	7	5.	5	8	351
055020020205	CORK COUNTY	1.	2.	5	2	5	6	2	3.	2	1	1	1.	358
075013520201	LUXEMBOURG-V	--.	--.	17.	15.	29.	20	13	17	16	12	10	14	261
075013530201	LUXEMBOURG-V	10.	12	14	8.	37.	25.	19.	8	12	8	7.	11	290
075023550201	ESCH-SUR-ALZ	9	15	12.	7.	13.	15	11	9	6	6.	--.	5.	287
075033600201	STEINFORT	11	12	13	14	12	11	14.	7	9.	7.	7.	7	322
076990010201	SITE DE FOND	5	3.	6	--.	--.	--.	--.	--.	--.	--.	--.	--.	85
091010150207	GREATER LOND	16	14	19	11	15	12	9	8	8.	14	12	11	361
091021150207	GREATER MANC	10.	12.	12.	6.	8.	10.	7.	6.	7.	15.	10.	12.	258
091022130207	GREATER MANC	21.	18.	17.	7	16	12.	16	7	7	7	7	7	326
091030260207	W.MIDL.CONUR	16	10	29.	7.	15.	11	14	7.	7.	11	11	7	313
092010910207	GLASGOW|SURR	10	9	4	4.	10.	--.	11.	11.	3	3	3	6	291
092023220207	MERSEYSIDE C	32	29	42	18	22	24	17	13	13	16.	17.	17	359
092024060207	MERSEYSIDE C	5.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	18
093010180207	LEEDS	23	13	17	5	17	10	8	12	6	8	8	12.	359
093010300207	LEEDS	15	10	9	4	14	5	5	10	5	5.	4.	10.	329
093020820207	SHEFFIELD	31.	24.	36.	16.	38.	25.	24.	22.	14.	22.	17.	19.	243
093031310207	TYNESIDE	--.	--.	--.	--.	--.	--.	--.	--.	7.	11	13	10	108
094010110207	BELFAST	24.	39.	63.	29.	30.	16.	16.	10.	11.	7.	10.	17.	259
094010150207	BELFAST	18	21	32	16	14	16	8	14	14	10	14	17	365
094020120207	CARDIFF	15.	10.	19.	9.	17.	15.	13.	8.	8.	13.	12.	11.	241
094030120207	EDINBURGH	13	17	18	8	28	13	16	16	10	9	8	13	365
094040100207	PORTSMOUTH	9	9	14	12	14.	10	7	4	4.	8	9	7	363
094050090207	TEESSIDE	17.	13.	16.	8.	26.	13.	15.	10.	11.	9.	9.	10.	256

Monthly medians

Pollutant 2: Smoke (column caption: see A1.1)

Station code PPCVVSSSPLTM	Town name	Values in measurement unit OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	cas no
094052290207	TEESSIDE	14	10	18	6	19	11	13	11	8	10	13	11	365
095020060207	BATH	23.	14.	23.	11.	18.	5.	17.	12.	12.	13.	19.	16.	256
095030100207	BEDFORD	13	6.	11.	6	9	12	6	4	4	5	11	6	358
095050050207	LINCOLN	15.	11.	24.	11.	21.	13.	12.	6.	5.	9.	10.	10.	242

Monthly medians
Pollutant 3: SPM (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
022010080302	MUENCHEN, BA	58.	55	59	45.	54	61.	37.	29	47	52.	51.	27.	337
022010100302	MUENCHEN, BA	86.	84	86.	60.	89.	91.	68.	55.	76.	80.	80.	63.	310
022010140302	MUENCHEN, BA	30.	35	34	21.	42	33.	20.	10.	20.	23.	30.	15.	305
022010150302	MUENCHEN, BA	44.	46	40	49.	60.	49	34	30.	38.	55.	60.	35.	328
022010160302	MUENCHEN, BA	34.	30	26	20.	42	34	28	22	38.	42.	43.	27.	352
023010010303	DORTMUND	58.	57.	90.	37.	82.	82.	61.	37.	68.	98.	0	0	136
023020010303	DUISBURG	99.	65.	90.	53.	99.	64.	75.	51.	71.	123.	0	0	139
023030020303	DUESSELDORF	63.	55.	55.	42.	49.	51.	55.	38.	57.	86.	0	0	181
023040010302	FRANKFURT-AM	77.	49.	50.	45	65.	48.	43.	32.	69	78	94.	49.	315
023040050305	FRANKFURT-AM	18.	12.	13.	--.	--.	--.	--.	--.	--.	--.	--.	39.	89
023050810306	NUERNBERG, B	45	41.	38.	42	62.	60.	39	31.	57.	53.	52.	38	346
023050820306	NUERNBERG, B	44	34	25	19.	38.	35	21	19	34	40	47.	25.	359
023060010326	STUTTGART	11	7.	5	4	8.	8.	8.	9	13.	14.	14.	8	350
023060020326	STUTTGART	17	15.	6.	19.	23.	15.	6.	6	14.	19.	19.	7.	307
023060030326	STUTTGART	10.	--.	--.	8.	13.	17.	8.	8	15.	22.	16.	6	261
023060040326	STUTTGART	35.	23.	16	13	25.	26.	15.	12	22.	28.	19.	7.	330
024010710306	AUGSBURG, BA	49.	41	30	31	40	32.	26.	21.	52.	57.	56.	33.	315
024020540306	ERLANGEN, BA	45.	45.	43.	44	45.	32.	22	16.	37	41.	47.	21.	344
024030010326	KARLSRUHE	--.	--.	--.	3.	--.	8.	9.	9.	14.	13.	14.	9	150
024030220326	KARLSRUHE	23.	23.	20	13	20.	28.	13.	12.	23.	33.	43.	17	281
024040010302	KASSEL, HESS	60	52.	57.	51	84	55	54	52.	74	79	83.	44	347
024050060325	LUDWIGSHAFEN	42.	55.	29	23.	39.	41.	23	17.	35.	58.	53.	21.	329
024050070325	LUDWIGSHAFEN	87.	84.	58.	35.	68.	84.	36.	38.	81.	81.	78.	68.	315
024050080325	LUDWIGSHAFEN	74.	87.	36.	31.	73.	82.	38.	44.	76.	90.	77.	57.	306
024061100326	MANNHEIM	32.	16.	14.	9.	20.	15.	11.	11	14.	19.	20.	--.	245
024061110326	MANNHEIM	26.	22.	19.	14.	21.	19.	14.	16	19.	23.	36.	15.	285
024061120326	MANNHEIM	26.	24.	20.	11.	23.	17.	11.	11	13.	19.	22.	12.	293
024070310306	REGENSBURG,	38	34	27.	21	43	40	25.	25.	33.	39.	41	26	356
024080010302	WIESBADEN, H	78.	60	49	49	88	60	53.	--.	73.	96.	102.	59.	263
024090640306	WUERZBURG, B	28	18.	15.	8.	31.	18.	17.	10.	29.	35.	38.	16.	344
024100110306	INGOLSTADT,	55.	33	30.	25.	43.	59.	26.	20.	37.	49.	58.	30	336
024110850306	FUERTH, BAYE	40	36	26	28	46	35	24.	22.	45.	51	61.	33	356
024120030325	MAINZ	43.	32.	24.	19.	44.	33.	29.	19.	38.	51.	67.	36.	296
024120040325	MAINZ	62.	51.	42	31.	51.	35.	36.	18.	38.	47.	49.	21.	331
024120050325	MAINZ	46.	30.	28.	16.	30.	24.	24.	17.	38.	41	40.	25.	308
024130010328	FREIBERG	9.	6.	4.	4.	5.	7.	3.	3.	--.	7.	5.	4	289
025010610306	ASCHAFFENBUR	31	26.	23.	15	35	27.	18.	14.	26	38.	32.	19	348
025020910306	KELHEIM, BAY	39.	26.	27.	26.	43.	36.	28.	25.	38.	39.	42.	33.	308
025030010326	HEILBROENN	18.	--.	6.	--.	21.	24.	11.	8	--.	18.	20.	10.	226
025040010326	ULM	13.	13.	9	9.	17.	18.	9.	8	--.	14.	14.	9	310
025050010325	SPEIZER	44.	40.	32	20.	37.	42.	26.	24.	40	56.	47.	27.	337
026990020308	B.R. DEUTSCH	32	29	26	18.	48	42	24	21	51	49	51	24.	363
026990030308	B.R. DEUTSCH	33	32	23	21.	43	35.	32	23.	59	71	40.	35	360
026990040308	B.R. DEUTSCH	29	22	22	18	36	24	20	20	42	53	53	22	365
026990050308	B.R. DEUTSCH	44.	--.	37	26.	41	40	47.	40	49	44	51.	42	330
026990060308	B.R. DEUTSCH	27	19.	13	14	29	32	23.	23	39	58	58	23.	358

Monthly medians
Pollutant 3: SPM (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
026990070308	B.R. DEUTSCH	11	12	6	7.	13.	17	17	11	38.	61.	41	17	359
026990080308	B.R. DEUTSCH	41	35	29.	27	30	29.	38.	38.	30	34.	41	28.	357
026990090308	B.R. DEUTSCH	48	34	32.	20	35.	31	36.	30	37.	36.	48.	36	353
026990100308	B.R. DEUTSCH	30	23	25	24	29	35	33	29.	56	51	60	34.	362
026990120308	B.R. DEUTSCH	38	32.	30	26	39	41	35	31	41	47	55	38.	363
026990130308	B.R. DEUTSCH	25	27	20	25.	41	37	22	25	45	48	49.	24.	356
026990140308	B.R. DEUTSCH	14.	21	14	12	38	34	19	20	30.	39	36.	19.	344
026990150308	B.R. DEUTSCH	38	28.	25	22	42	31.	32	27	46	51	63.	33	361
026990160308	B.R. DEUTSCH	54	38	27	19	69	46.	33	39	59	65	73.	37.	355
026990240326	B.R. DEUTSCH	9.	5.	6.	3	10.	6.	3.	3.	--.	9.	13.	10.	286
032011010347	KOBENHAVN	57.	45	43	39.	38	34	31	37	20	14	46	37	362
032011030347	KOBENHAVN	85.	83.	74	68.	58	68	82	80	72	74	118	82	362
032012100347	KOBENHAVN	56	45	37	35.	3	29	48	38	12	16	44	41	363
032012210347	KOBENHAVN	62	46.	41.	40.	6.	34	42	37	19	14	46	38	358
032013420347	KOBENHAVN	59.	40.	37	38.	30	32	38	35	20	21	48	35	361
032013480347	KOBENHAVN	52	47.	41	39.	37	35	42	38	5	19	45	37	361
034018150347	AALBORG	107	83	73	60	38.	66	100	58	38	41	61	63	364
034029150347	ODENSE	78	55.	41	40	18	44	57	38	27	25	55	39	364
035015650347	ESBJERG	75	59	51	52	29	50	50	30	28	33	56	50	365
035025150347	FREDERICIA	78	53	51	50	35	49	64	52	4	36	56	49	365
035033510347	NAESTVED	89.	73.	54	52	47	65	70	35	37	36	70	59	361
035046350347	RANDERS	82.	49	48	44	58	48	63	32	37	39	75	65	363
043020080318	LILLE-ROUB.-	45.	22.	45.	--.	108.	67	54.	53.	48.	45.	64.	61.	246
043020230318	LILLE-ROUB.-	--.	--.	--.	--.	--.	34.	12.	32.	--.	--.	--.	--.	44
044020290318	LE HAVRE	18.	10.	11.	8.	12.	10.	17.	20.	52.	--.	--.	17.	217
044020470318	LE HAVRE	27.	25	29.	--.	--.	--.	--.	--.	--.	--.	--.	--.	84
044040040318	ROUEN	29.	29.	30.	27.	44.	31.	28.	38.	31.	45.	42.	39.	271
044050030318	STRASBOURG	73.	110.	62.	--.	--.	--.	--.	--.	--.	--.	--.	--.	58
044050090318	STRASBOURG	80.	88.	32.	--.	--.	--.	--.	--.	--.	--.	--.	--.	50
044070070318	CAEN - AGGLO	19.	19.	14.	18.	33	16.	18.	16.	27.	51.	33.	20.	268
045020190318	FOS-BERRE	18	43.	--.	31.	49.	30	25.	27.	37.	47.	35.	31	297
045040050318	DUNKERQUE	38.	33.	38.	27.	46.	48.	32.	24.	41	82.	44	29.	324
045040070318	DUNKERQUE	38.	26.	28.	41.	67.	48.	31.	34.	45.	66.	44.	45.	282
045040110318	DUNKERQUE	49.	49.	43.	35.	53.	43.	47.	39.	61	83.	54	43.	321
045040130318	DUNKERQUE	24.	24.	28.	21.	35.	30.	22.	18.	32.	40.	31	19.	306
062010010315	TORINO	84.	133.	144.	210	84	121	57	55	80	144	54	151	356
062010020315	TORINO	148.	177.	277.	129	200	220	134	113	150	92	79	135	357
062010030315	TORINO	86.	112	161.	0	161	181	94	117	132	143	84	144	350
064040020315	BOLZANO	--.	--.	--.	--.	--.	70.	61	55	58	46	--.	53	169
064040030315	BOLZANO	29.	35	43.	36.	38	31.	47	47	57	50	46	0	333
064080010315	PESCARA	68.	143.	81.	159.	107.	118.	84.	64.	73.	117.	81.	135.	98
065140010315	VERCELLI	--.	--.	--.	140	125.	11	6	4.	--.	--.	--.	--.	135

Monthly medians
Pollutant 4: Acid (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
012010010403	BRUXELLES	71	71	85	71	78	62	49	36	32	23	36	26	365
012010020403	BRUXELLES	84	69	89	61	90	62	55	46	51	44	38	41	365
012010080403	BRUXELLES	60	50	34	21	44	32	25	26	24	30	28	47	365
012010140403	BRUXELLES	17	14	19	12	36	24	21	17	18.	--.	27.	25	323
012010170403	BRUXELLES	34	29	37	25.	55	35	29	28.	32	45	32	23.	333
012010220403	BRUXELLES	36	29	36.	14.	44.	44	26	23	30	26	32	20	320
012010260403	BRUXELLES	40	32.	39	27	75	44	40	25	35	52	40	30	364
013018010403	ANTWERPEN	69	76	99.	52	57	75	64	55	96.	42	53	59.	340
013018090403	ANTWERPEN	74	71	99	57	64	71	54	50	48	62	38	46.	351
013018120403	ANTWERPEN	68	55	51	35	38	43	40	41	31	47	40	39.	351
013018130403	ANTWERPEN	71	61	83	42	61	69	46	43	35	59	36	47.	351
013018180403	ANTWERPEN	81	106	107.	95.	83	86	74	62	53	32	37	76.	349
013018260403	ANTWERPEN	92	114	132.	82	80	68	76	95	46	60	63	109	351
014015010403	CHARLEROI	33.	23.	40.	40	39	31	35.	26	41.	43	28	34.	324
014015040403	CHARLEROI	16	12	26	30	49	35	20	20	27	28	21	20.	351
014015050403	CHARLEROI	21	26	36	33	64	43	31	28	40	41	26	17.	351
014015090403	CHARLEROI	15	12	41.	54	72	61	30	23	25	28	23	39.	344
014015130403	CHARLEROI	20	13	28	30	52	43	18	26	32	40	43	34.	351
014015140403	CHARLEROI	36	38	56	64	70	53.	55	38	38	40	30	45.	350
014027010403	GENT	45	23.	39.	38	53	58	59	43	66	75	88.	56	361
014027060403	GENT	26.	34.	26.	26	44	28	19	19	34	53	47.	34	346
014027070403	GENT	38	41	28.	21.	54	38.	30	17	33	69.	30	45	356
014027090403	GENT	68.	71	39	53	53	49.	53	47.	85	105	60	66	352
014027120403	GENT	56	88	68.	32	92	30.	60	26	44	68	26	45	357
014027150403	GENT	19.	11.	23.	38	40	0.	--.	13.	27	48.	49.	45	284
014032020403	LIEGE	86.	--.	85.	--.	--.	--.	--.	--.	--.	--.	--.	--.	28
014032050403	LIEGE	93.	--.	73.	--.	--.	--.	--.	--.	--.	--.	--.	--.	28
014032150403	LIEGE	63.	--.	133.	--.	--.	--.	--.	--.	--.	--.	--.	--.	27
014032180403	LIEGE	34.	--.	15.	--.	--.	--.	--.	--.	--.	--.	--.	0.	38
014032290403	LIEGE	43.	--.	36.	--.	--.	--.	--.	--.	--.	--.	--.	--.	28
014032300403	LIEGE	28.	--.	32.	--.	--.	--.	--.	--.	--.	--.	--.	--.	28
015016050403	BRUGGE	17.	25.	28.	9	18.	32	26	17.	17	26	17	11	340
015026030403	KORTRIJK	33	39	52	34	87	45	32.	21	16	16.	11.	16.	348
015033020403	LIBRAMONT	23	31	24.	23	45	36	20	16	18	19	26	18.	355
015044040403	NAMUR	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	0
015044050403	NAMUR	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	0
015044110403	NAMUR	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	0
041010110411	PARIS	38	48.	65.	53.	72	48	38.	18.	22.	15.	20.	12.	323
041010170411	PARIS	64	87.	102.	84	124	108	78	60	77	110.	90.	54	357
041010490411	PARIS	42	64	79.	65	84	68	57.	43.	51	59	43.	29.	358
041010650411	PARIS	56.	64.	69.	60.	119	74	52.	31.	33.	39.	32.	26.	337
041010990411	PARIS	38	44	56	45	76	57	36.	21	17	23	23.	19	363
042010010411	LYON	42	60	53	77.	63.	56.	47.	41.	44.	32.	23.	30	292
042010080411	LYON	43	50	54	90.	66.	48.	31.	33.	38	45.	25.	37	302
042010100411	LYON	40	37.	37	90.	72.	34.	50.	38.	33	26.	--.	--.	246
042010160411	LYON	27	32.	41	52.	53.	32.	26.	29.	26.	26.	21	24.	287

Monthly medians
Pollutant 4: Acid (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
042020010408	MARSEILLE	29.	37.	58.	49.	59	42.	16.	14.	20	14.	7.	35.	299
043020050411	LILLE-ROUB.-	31.	38.	39.	24.	217.	24.	31.	17.	29.	25.	27.	1.	308
043020100408	LILLE-ROUB.-	40.	46.	67.	39.	68.	31	39.	25.	12.	1.	1.	13.	255
044010010408	CLERMONT-FER	8	30	33	53	52	35	32	20	18	32	41	23	365
044010020408	CLERMONT-FER	16	34.	31	53	49	35	42	25	26	41	47	30	363
044010040408	CLERMONT-FER	11	27	17	35	34	27	31	27	31	53	49	42	365
044010080408	CLERMONT-FER	31	36	24	35	37	39	38	44	70	128	78	55	365
044010320408	CLERMONT-FER	--.	51.	61.	76.	81	51.	35.	10.	14.	6	10.	11.	270
044010330408	CLERMONT-FER	37.	26	32	54	45	36.	16	11	26.	22.	16.	14	337
044020120411	LE HAVRE	2.	49.	7.	0.	73.	8.	17.	6	6.	21.	4.	0.	224
044020210411	LE HAVRE	61.	1.	27.	5.	100.	48.	4.	12.	39.	76.	88.	20.	281
044020290411	LE HAVRE	10.	7.	17.	13.	52.	45.	25.	20.	30.	44.	--.	28.	204
044020310411	LE HAVRE	60.	98.	13.	--.	--.	27.	37.	43.	1.	78.	0.	0.	190
044020320411	LE HAVRE	72.	83.	59.	26.	40.	31	24.	57	10.	59.	17.	52.	335
044020430411	LE HAVRE	--.	--.	--.	--.	--.	--.	--.	--.	5.	5.	1.	2.	68
044031000411	NANTES	20.	18.	46.	42.	71.	36.	9	13	3	4.	1.	4.	333
044031030411	NANTES	2.	19	12.	0.	0.	0.	0.	0.	0.	10.	7.	0.	304
044031040411	NANTES	26	55	66.	52	77.	45.	19	10	0.	0.	0.	0.	309
044031060411	NANTES	12	27	30.	21	28.	15	14.	11	12	20.	0.	0.	324
044031130411	NANTES	2	3	7	4	27	9	5	0	6	5.	1.	0	360
044031150411	NANTES	18	17	9	8	36	14	10	3	3	4.	1.	2	360
044040010411	ROUEN	13.	17.	17.	26.	29.	0.	37.	23.	15.	15.	6.	10.	297
044040040411	ROUEN	51.	52.	50.	39.	60.	33.	50.	45.	30.	24.	10.	32.	290
044040060411	ROUEN	38.	27.	44.	42.	45.	18.	25.	30.	25.	25.	15.	28.	281
044040070411	ROUEN	50.	62.	54.	55.	61.	59.	49.	43.	17.	15.	1.	42.	295
044040080411	ROUEN	27.	6.	10.	8.	51.	22.	4.	0.	1.	10.	1.	0.	258
044040110411	ROUEN	65.	48.	113.	193.	114.	162.	57.	109.	66.	40.	17.	100.	305
044050030408	STRASBOURG	44.	94.	69.	--.	--.	--.	--.	--.	--.	--.	--.	--.	60
044050060410	STRASBOURG	56.	126.	73.	--.	--.	--.	--.	--.	--.	--.	--.	--.	60
044050070410	STRASBOURG	39.	126.	72.	--.	--.	--.	--.	--.	--.	--.	--.	--.	60
044050090410	STRASBOURG	70.	136.	56.	--.	--.	--.	--.	--.	--.	--.	--.	--.	60
044050140410	STRASBOURG	12.	0.	32.	--.	--.	--.	--.	--.	--.	--.	--.	--.	50
044070070408	CAEN - AGGLO	34	30.	41.	31.	67	37	28.	22.	24.	44.	23.	16	338
045020190411	FOS-BERRE	15.	20.	21.	17.	34.	21	11.	9.	17.	19.	10.	15.	323
045030170411	VIGNEUX DE B	3.	8	16	15	17	7.	8	6	2	0	0	0.	356
053010010404	DUBLIN	37	47	64	62	74	64	50	63	52	56	43	39	365
053010040404	DUBLIN	20	20	25	26	45	42	41	22	73	96	72	48	365
053010070404	DUBLIN	26	29	27	52	30.	31	17	23	22	66	55	74	357
053010100404	DUBLIN	23	20	27	35	26	38	38.	31.	48	38	32	27.	353
053011030404	DUBLIN	29	26	43	32	44	45	38.	38	34	49	57	42	364
054010010405	CORK	22	15	31.	--.	--.	--.	--.	--.	--.	--.	21.	21.	89
055010010406	GALWAY	11	11.	6	6	11	6	12	6	12	8.	6	6	347
055020020405	CORK COUNTY	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	0
075013520401	LUXEMBOURG-V	--.	--.	54.	43.	61.	25	21	28	17	14	11	15	261
075013530401	LUXEMBOURG-V	29.	31	36	17.	56.	22.	23.	20	18	20	35.	12	290
075023550401	ESCH-SUR-ALZ	39	31	34.	21.	28.	26	17	12	11	9.	--.	6.	287

Monthly medians
Pollutant 4: Acid (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
075033600401	STEINFORT	26	32	30	24	30	16	18.	18	18.	20.	12.	17	322
076990010401	SITE DE FOND	13	19	18	--.	--.	--.	--.	--.	--.	--.	--.	--.	92
091010150407	GREATER LOND	29	29	38.	17.	28	28	25	27	35.	35.	36	25	353
091021150407	GREATER MANC	82.	65.	61.	41.	78.	47.	67.	48.	41.	54.	50.	34.	257
091022130407	GREATER MANC	52.	48.	59.	34	57	34.	40	33	33	45	39	46	326
091030260407	W.MIDL.CONUR	29	41	59.	46.	47.	46	34	23.	32.	35	40	23	312
092010910407	GLASGOW|SURR	36	41	42	28.	38.	--.	22.	60.	54	49.	28	17	290
092023220407	MERSEYSIDE C	48	42	54	24	60	48	62	67	86	133.	79.	56	359
092024060407	MERSEYSIDE C	46.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	--.	17
093010180407	LEEDS	50	51	53	47	56	56	44	58	26	38	29	44.	359
093010300407	LEEDS	49	49	44	39	42	39	40	52	34	49.	30.	37.	329
093020820407	SHEFFIELD	72.	68.	94.	50.	98.	85.	69.	65.	66.	70.	60.	52.	242
093031310407	TYNESIDE	--.	--.	--.	--.	--.	--.	--.	--.	50.	39	34.	19	107
094010110407	BELFAST	39.	44.	37.	50.	43.	43.	47.	44.	29.	20.	32.	33.	260
094010150407	BELFAST	54	59	58	46	59	52	39	33	35	23	35	47	365
094020120407	CARDIFF	46.	35.	47.	36.	24.	20.	31.	34.	29.	39.	36.	30.	242
094030120407	EDINBURGH	33	33	27	26	43	33	26	32	32	45	39	33	365
094040100407	PORTSMOUTH	38	46	51	51	39.	47	34	27.	28	43	32.	28	362
094050090407	TEESSIDE	46.	49.	45.	38.	60.	68.	41.	41.	33.	31.	28.	43.	256
094052290407	TEESSIDE	22	14.	7	7.	8.	6.	7.	11	7.	6	8.	8.	340
095020060407	BATH	36.	33.	37.	29.	48.	27.	26.	32.	20.	13.	28.	34.	257
095030100407	BEDFORD	50	54.	83.	64.	54	55	41.	42	56	77	77	69	356
095050050407	LINCOLN	43.	41.	69.	60.	52.	58.	50.	38.	47.	46.	45.	56.	241

Monthly medians
Pollutant 19: Lead (Pb) (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
032011011901	KOBENHAVN	367.	396.	297.	--.	--.	--.	--.	--.	--.	--.	--.	--.	62
032011031901	KOBENHAVN	855.	750.	758.	--.	--.	--.	--.	--.	--.	--.	--.	--.	65
032012101901	KOBENHAVN	173.	109.	97.	--.	--.	--.	--.	--.	--.	--.	--.	--.	61
032012211901	KOBENHAVN	207.	174.	192.	--.	--.	--.	--.	--.	--.	--.	--.	--.	59
032013421901	KOBENHAVN	87.	82.	88.	--.	--.	--.	--.	--.	--.	--.	--.	--.	58
032013481901	KOBENHAVN	109.	148.	132.	--.	--.	--.	--.	--.	--.	--.	--.	--.	62
034018151901	AALBORG	1120	964	1110	--.	--.	--.	--.	--.	--.	--.	--.	--.	92
034029151901	ODENSE	347	213.	229	--.	--.	--.	--.	--.	--.	--.	--.	--.	91
035015651901	ESBJERG	222	174	208	--.	--.	--.	--.	--.	--.	--.	--.	--.	92
035025151901	FREDERICIA	360	285	327	--.	--.	--.	--.	--.	--.	--.	--.	--.	92
035033511901	NAESTVED	545.	393.	410	--.	--.	--.	--.	--.	--.	--.	--.	--.	81
035046351901	RANDERS	360.	484	537	--.	--.	--.	--.	--.	--.	--.	--.	--.	90
053010011902	DUBLIN	610.	1000.	1175.	750.	1500.	917.	1195.	1260.	958.	1100.	1310.	895.	52

Monthly medians
Pollutant 28: Cadmium (Cd) (column caption: see A1.1)

Station code		Values in measurement unit												cas
PPCVVSSSPLTM	Town name	OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	no
032011012801	KOBENHAVN	4.	11.	--.	--.	46.	3.	4.	10.	4.	3.	47.	12.	23
032011032801	KOBENHAVN	4.	5.	4.	4.	5.	4.	--.	--.	7.	5.	9.	--.	12
032012102801	KOBENHAVN	4.	3.	--.	4.	3.	3.	3.	29.	6.	--.	5.	6.	16
032012212801	KOBENHAVN	5.	3.	4.	7.	3.	3.	3.	--.	3.	--.	3.	3.	18
032013422801	KOBENHAVN	--.	--.	3.	4.	8.	3.	4.	--.	4.	3.	3.	--.	10
032013482801	KOBENHAVN	3.	--.	4.	--.	--.	--.	--.	--.	5.	--.	--.	3.	5
034018152801	AALBORG	11.	4.	--.	--.	--.	--.	4.	--.	--.	--.	8.	--.	5
034029152801	ODENSE	4.	3.	--.	4.	8.	12.	4.	3.	4.	4.	5.	4.	25
035015652801	ESBJERG	--.	--.	5.	--.	6.	4.	--.	--.	--.	3.	5.	--.	6
035025152801	FREDERICIA	--.	4.	4.	3.	9.	5.	--.	--.	--.	--.	--.	--.	9
035033512801	NAESTVED	7.	8.	5.	--.	--.	4.	5.	5.	--.	4.	--.	--.	11
035046352801	RANDERS	5.	4.	4.	--.	--.	--.	--.	--.	--.	--.	--.	--.	4

ANNUAL CHARACTERISTICS OF THE SERIES

October 1982 - September 1983

Annex 2: Global description

Column caption:

Label	Explanation
station code	PPCVVSSSPLTM: PP country code C town class code VV town code SSS station code PL pollutant code TM measurement technique code
month	number of months recorded for the year
BLA	number of values labelled as "BLANK"
REP	number of values labelled as "REP"
spa	number of values labelled as space
ze	number of null values
>9999	number of values higher than 9999 measurement units poll. 1-4: $\mu g/m^3$ poll. 19,28: ng/m^3
cas	number of cases reported for the year (measured values)
min	minimum concentration for the year (measurement unit)
occ	occurrence of the minimum
med	median (measurement unit)
gap	number of gaps between the minimum and the median (for integer values)
dig	symbol for the number of missing digits into the yearly series. Example: a) 9: 9 digits are missing in the units b) 52: 5 digits are missing in the tens and 2 digits are missing in the units.

rej cde reject code for the series.

hierarchical condition	reject code
no. of month < 12	1
no. of "BLANK" > 170	2
no. of val. with concentration > 9999 measurement units	3
no. of measured values < 240	4
no. of REP > 104	5
else	0

Global description

Pollutant 1: SO_2 (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
021010060103	BERLIN (WEST	12	1	0	7	0	0	364	10	11	60	45	9	0
021010080103	BERLIN (WEST	12	1	0	7	1	0	364	10	15	50	36	9	0
021010160103	BERLIN (WEST	12	1	0	7	0	0	364	10	3	80	63	9	0
021010180103	BERLIN (WEST	12	1	0	7	0	0	364	10	12	60	45	9	0
021010200103	BERLIN (WEST	12	1	0	7	0	0	364	10	1	60	45	9	0
021010280103	BERLIN (WEST	12	1	0	7	1	0	364	10	16	50	36	9	0
022010050104	MUENCHEN, BA	12	32	0	7	15	0	333	13	193	13	0	0	0
022010070104	MUENCHEN, BA	12	47	0	7	15	0	318	13	107	15	0	10	0
022010080104	MUENCHEN, BA	12	27	0	7	2	0	338	4	1	25	6	0	0
022010100104	MUENCHEN, BA	12	56	0	7	11	0	309	13	36	21	0	10	0
022010110104	MUENCHEN, BA	12	51	0	7	15	0	314	13	124	15	0	0	0
022010120104	MUENCHEN, BA	12	36	0	7	15	0	329	13	69	17	0	0	0
022010130104	MUENCHEN, BA	12	43	0	7	14	0	322	11	1	17	1	0	0
022010140104	MUENCHEN, BA	12	76	0	7	15	0	289	13	68	19	0	10	0
022010150104	MUENCHEN, BA	12	20	0	7	9	0	345	6	2	28	4	0	0
022010160104	MUENCHEN, BA	12	18	0	7	14	0	347	9	1	20	3	0	0
023010030105	DORTMUND	12	12	0	7	10	0	353	10	3	50	36	9	0
023020030105	DUISBURG	12	24	0	7	22	0	341	10	5	50	36	9	0
023030010105	DUESSELDORF	3	46	0	1	0	0	46	10	1	90	73	9	1
023030030105	DUESSELDORF	9	59	0	6	3	0	214	10	29	30	18	9	1
023040010106	FRANKFURT-AM	12	82	0	7	0	0	283	7	1	48	3	0	0
023040030107	FRANKFURT-AM	3	48	0	1	0	0	44	19	1	55	18	0	1
023040050107	FRANKFURT-AM	12	101	0	7	0	0	264	9	3	43	1	0	0
023050810109	NUERNBERG, B	12	14	0	7	11	0	351	4	2	27	7	0	0
023050820109	NUERNBERG, B	12	11	0	7	8	0	354	2	1	22	8	0	0
023050830109	NUERNBERG, B	12	14	0	7	7	0	351	11	1	26	1	0	0
023060010126	STUTTGART	12	45	0	7	2	0	320	4	3	25	1	0	0
023060020126	STUTTGART	12	63	0	7	2	0	302	1	1	25	1	0	0
023060030126	STUTTGART	12	69	0	7	2	0	296	6	4	24	0	0	0
023060040126	STUTTGART	12	40	0	7	5	0	325	2	1	20	1	0	0
024010710109	AUGSBURG, BA	12	43	0	7	3	0	322	9	2	37	3	0	0
024010720109	AUGSBURG, BA	12	23	0	7	11	0	342	13	156	14	0	10	0
024020540109	ERLANGEN, BA	12	11	0	7	10	0	354	3	1	36	7	0	0
024030010110	KARLSRUHE	10	114	0	6	0	0	190	5	1	40	6	0	1
024030220110	KARLSRUHE	12	80	0	7	0	0	285	6	1	35	3	0	0
024040010106	KASSEL, HESS	12	3	0	7	0	0	362	8	1	44	2	0	0
024050060112	LUDWIGSHAFEN	12	15	0	7	0	0	350	3	3	22	2	0	0
024050070112	LUDWIGSHAFEN	12	24	0	7	0	0	341	7	7	33	0	0	0
024050080112	LUDWIGSHAFEN	12	15	0	7	0	0	350	3	1	33	2	0	0
024061100110	MANNHEIM	12	107	0	7	0	0	258	4	1	47	1	0	0
024061110110	MANNHEIM	12	87	0	7	2	0	278	1	1	27	1	0	0
024061120126	MANNHEIM	12	101	0	7	0	0	264	2	1	28	5	0	0
024070310109	REGENSBURG,	12	29	0	7	14	0	336	4	1	20	8	0	0
024080010106	WIESBADEN, H	12	63	0	7	0	0	302	7	1	38	2	0	0
024080020106	WIESBADEN, H	12	12	0	7	0	0	353	11	2	43	3	0	0
024090640109	WUERZBURG, B	12	10	0	7	11	0	355	6	1	19	5	0	0

Global description

Pollutant 1: SO_2 (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
024090650109	WUERZBURG, B	12	20	0	7	13	0	345	4	1	19	8	0	0
024100110109	INGOLSTADT,	12	21	0	7	6	0	344	4	1	19	8	0	0
024110850109	FUERTH, BAYE	12	35	0	7	6	0	330	3	1	22	6	0	0
024120030112	MAINZ	12	15	0	7	0	0	350	3	2	25	2	0	0
024120040112	MAINZ	12	26	0	7	0	0	339	3	2	25	3	0	0
024120050112	MAINZ	12	11	0	7	0	0	354	3	2	28	2	0	0
024130010126	FREIBERG	11	66	0	6	26	0	269	1	10	14	0	0	1
025010610109	ASCHAFFENBUR	12	27	0	7	5	0	338	4	3	22	5	0	0
025020910109	KELHEIM, BAY	12	30	0	7	5	0	335	2	1	20	7	20	0
025020920109	KELHEIM, BAY	12	18	0	7	13	0	347	6	1	16	6	10	0
025030010126	HEILBROENN	11	35	0	6	0	0	300	9	1	40	2	0	1
025040010126	ULM	10	103	0	6	18	0	201	1	3	19	0	10	1
026990010113	B.R. DEUTSCH	12	6	0	7	39	0	359	1	85	2	0	50	0
026990020113	B.R. DEUTSCH	12	12	0	7	96	0	353	1	53	2	0	10	0
026990030113	B.R. DEUTSCH	12	2	0	7	8	0	363	1	23	9	0	10	0
026990040113	B.R. DEUTSCH	12	0	0	7	0	0	365	1	9	9	0	20	0
026990050113	B.R. DEUTSCH	11	10	0	6	37	0	325	1	27	8	0	10	1
026990060113	B.R. DEUTSCH	12	2	0	7	9	0	363	1	29	5	0	10	0
026990070113	B.R. DEUTSCH	12	2	0	7	161	0	363	1	66	1	0	30	0
026990080113	B.R. DEUTSCH	12	0	0	7	97	0	365	1	36	4	0	30	0
026990090113	B.R. DEUTSCH	12	5	0	7	0	0	360	1	19	11	0	10	0
026990100113	B.R. DEUTSCH	12	25	0	7	8	0	340	1	10	14	0	10	0
026990120113	B.R. DEUTSCH	12	21	0	7	11	0	344	1	15	13	0	0	0
026990130113	B.R. DEUTSCH	12	9	0	7	111	0	356	1	36	2	0	10	0
026990140113	B.R. DEUTSCH	12	16	0	7	139	0	349	1	30	2	0	30	0
026990150113	B.R. DEUTSCH	12	2	0	7	18	0	363	1	14	11	0	0	0
026990160113	B.R. DEUTSCH	12	7	0	7	29	0	358	1	11	13	0	0	0
026990240110	B.R. DEUTSCH	11	50	0	6	1	0	285	4	1	30	2	0	1
032011010127	KOBENHAVN	12	37	0	7	0	0	328	1	6	18	0	10	0
032011030127	KOBENHAVN	12	28	0	7	0	0	337	2	2	31	1	0	0
032011030128	KOBENHAVN	12	29	0	7	0	0	336	1	1	37	7	0	0
032012100127	KOBENHAVN	12	34	0	7	0	0	331	2	4	16	0	20	0
032012210127	KOBENHAVN	12	38	0	7	3	0	327	1	1	20	0	20	0
032013420127	KOBENHAVN	12	34	0	7	0	0	331	1	1	10	0	30	0
032013480127	KOBENHAVN	12	20	0	7	0	0	345	1	2	17	0	0	0
034018150127	AALBORG	12	14	0	7	0	0	351	1	1	18	0	10	0
034018150129	AALBORG	5	70	0	2	0	0	83	1	1	16	1	40	1
034029150127	ODENSE	12	18	0	7	0	0	347	2	5	17	0	20	0
034029150129	ODENSE	5	22	0	4	0	0	129	1	1	23	3	30	1
035015650127	ESBJERG	12	14	0	7	0	0	351	1	3	10	0	30	0
035015650129	ESBJERG	6	36	0	4	0	0	146	2	3	14	0	20	1
035025150127	FREDERICIA	12	17	0	7	0	0	348	2	2	14	0	20	0
035025150129	FREDERICIA	7	74	0	3	0	0	140	3	1	15	0	50	1
035033510127	NAESTVED	12	16	0	7	1	0	349	2	4	19	0	0	0
035033510129	NAESTVED	7	61	0	5	0	0	151	3	1	26	3	0	1
035046350127	RANDERS	12	15	0	7	0	0	350	1	1	11	0	30	0

Global description

Pollutant 1: SO_2 (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
035046350129	RANDERS	7	34	0	3	0	0	180	1	2	11	0	40	1
042010180137	LYON	12	29	0	7	16	0	336	1	13	18	0	0	0
042010210137	LYON	12	66	0	7	3	0	299	2	2	45	1	0	0
042020010136	MARSEILLE	12	128	0	7	2	0	237	1	3	26	0	0	4
042020140136	MARSEILLE	12	56	0	7	0	0	309	3	1	52	3	0	0
042020180136	MARSEILLE	12	69	0	7	0	0	296	3	3	37	1	0	0
042022040136	MARSEILLE	12	55	0	7	0	0	310	2	2	56	6	0	0
042022060136	MARSEILLE	12	100	0	7	0	0	265	2	2	51	3	0	0
043020040136	LILLE-ROUB.-	12	45	0	7	0	0	320	1	30	27	0	0	0
043020050136	LILLE-ROUB.-	12	90	0	7	0	0	275	1	8	26	0	0	0
043020070136	LILLE-ROUB.-	12	62	0	7	0	0	303	1	30	29	0	0	0
043020080136	LILLE-ROUB.-	12	193	0	7	0	0	172	1	16	18	0	30	2
043020100135	LILLE-ROUB.-	12	48	0	7	0	0	317	1	8	42	1	0	0
043020230136	LILLE-ROUB.-	12	74	0	7	0	0	291	1	5	44	2	0	0
044020470135	LE HAVRE	12	289	0	7	0	0	76	28	1	72	18	0	2
044040040135	ROUEN	12	230	0	7	0	0	135	5	1	76	33	0	2
044070070135	CAEN - AGGLO	12	236	0	7	8	0	129	3	3	15	1	50	2
045040050135	DUNKERQUE	12	35	0	7	0	0	330	1	5	39	0	0	0
045040070136	DUNKERQUE	12	60	0	7	0	0	305	1	17	37	0	0	0
045040110135	DUNKERQUE	12	41	0	7	0	0	324	1	14	17	0	0	0
045040130135	DUNKERQUE	12	59	0	7	0	0	306	1	56	9	0	10	0
061010090120	MILANO	7	101	0	5	0	0	111	5	1	208	172	0	1
061010100120	MILANO	12	107	0	7	2	0	258	5	4	68	43	0	0
061010130120	MILANO	12	113	0	7	1	0	252	3	1	65	38	0	0
061010140120	MILANO	12	97	0	7	8	0	268	3	2	49	28	0	0
061010150120	MILANO	11	79	0	7	0	0	255	3	1	75	46	0	1
061010160120	MILANO	12	106	0	7	0	0	259	5	1	94	58	0	0
062010010122	TORINO	12	18	0	7	184	0	347	39	1	0	0	0	0
062010020122	TORINO	11	29	0	7	134	0	305	52	1	101	37	0	1
062010030122	TORINO	9	0	0	6	166	0	273	47	1	0	0	0	1
064040010121	BOLZANO	5	15	0	5	20	0	135	16	1	47	8	0	1
064040020121	BOLZANO	12	23	0	7	23	0	342	16	2	55	4	0	0
064040030121	BOLZANO	10	16	0	7	36	0	287	19	1	67	8	0	1
064080010124	PESCARA	10	270	0	6	8	0	34	3	6	5	1	54	1
065090010124	PISTOIA	3	34	0	3	0	0	56	16	1	60	29	0	1
065140010124	VERCELLI	6	19	0	4	0	0	163	13	3	138	85	0	1
083015150102	AMSTERDAM	12	260	0	7	0	0	105	5	1	27	4	0	2
083015160102	AMSTERDAM	12	75	0	7	1	0	290	1	6	21	0	10	0
083015180102	AMSTERDAM	12	121	0	7	0	0	244	3	1	17	0	0	0
083015190102	AMSTERDAM	12	250	0	7	0	0	115	4	2	23	2	0	2
083015200102	AMSTERDAM	12	71	0	7	3	0	294	1	7	21	0	0	0
083015210102	AMSTERDAM	12	96	0	7	0	0	269	3	2	19	0	10	0
083015230102	AMSTERDAM	12	82	0	7	0	0	283	3	3	20	0	0	0
083015250102	AMSTERDAM	12	98	0	7	0	0	267	4	4	19	0	10	0
083024040102	DEN HAAG	12	17	0	7	0	0	348	2	5	20	0	0	0
083024050102	DEN HAAG	12	30	0	7	0	0	335	3	9	12	0	10	0

Global description

Pollutant 1: SO_2 (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
083034180102	ROTTERDAM	12	30	0	7	1	0	335	1	1	31	1	0	0
083034230102	ROTTERDAM	12	38	0	7	0	0	327	2	1	23	0	0	0
084018140102	ENSCHEDE	12	27	0	7	1	0	338	1	5	13	0	10	0
084029080102	GRONINGEN	12	86	0	7	9	0	279	1	13	7	0	50	0
084029090102	GRONINGEN	12	170	0	7	3	0	195	1	13	6	0	60	4
084032130102	TILBURG	12	65	0	7	0	0	300	3	1	26	1	0	0
084032140102	TILBURG	12	36	0	7	5	0	329	1	4	17	0	0	0
084046070102	UTRECHT	12	43	0	7	0	0	322	1	3	18	1	0	0
084046100102	UTRECHT	12	31	0	7	4	0	334	1	4	17	0	10	0
085015280102	BUSSUM	12	103	0	7	0	0	262	2	7	15	0	30	0
085022040102	DEN BOSCH	12	33	0	7	0	0	332	3	1	24	0	0	0
085035300102	HILVERSUM	12	85	0	7	0	0	280	2	1	16	0	10	0
085041210102	MAASTRICHT	12	69	0	7	0	0	296	4	1	21	0	0	0
085053040102	MIDDELBURG	12	26	0	7	2	0	339	1	2	19	0	0	0
085068060102	ZWOLLE	12	24	0	7	1	0	341	1	6	14	0	10	0
086991240102	LIG.ACHTERGR	12	47	0	7	0	0	318	2	1	14	0	10	0
086992060102	LIG.ACHTERGR	12	79	0	7	0	0	286	3	5	13	0	0	0
086993120102	LIG.ACHTERGR	12	66	0	7	0	0	299	1	3	21	0	0	0
086995010102	LIG.ACHTERGR	12	81	0	7	11	0	284	1	30	7	0	40	0
086996170102	LIG.ACHTERGR	12	43	0	7	15	0	322	1	31	7	0	20	0
086998150102	LIG.ACHTERGR	12	49	0	7	2	0	316	1	17	12	0	0	0
086999010102	LIG.ACHTERGR	12	33	0	7	22	0	332	1	23	6	0	20	0

Global description

Pollutant 2: Smoke (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
012010010203	BRUXELLES	12	0	0	7	0	0	365	1	3	13	0	40	0
012010020203	BRUXELLES	12	0	0	7	0	0	365	3	1	26	1	0	0
012010080203	BRUXELLES	12	0	0	7	0	0	365	2	5	10	2	50	0
012010140203	BRUXELLES	12	42	0	7	0	0	323	1	8	8	1	60	0
012010170203	BRUXELLES	12	32	0	7	0	0	333	2	1	13	1	30	0
012010220203	BRUXELLES	12	45	0	7	0	0	320	1	4	17	1	20	0
012010260203	BRUXELLES	12	1	0	7	0	0	364	1	1	15	1	30	0
013018010203	ANTWERPEN	12	26	0	7	0	0	339	1	1	15	0	30	0
013018090203	ANTWERPEN	12	14	0	7	0	0	351	7	1	28	0	20	0
013018120203	ANTWERPEN	12	14	0	7	0	0	351	2	3	12	0	30	0
013018130203	ANTWERPEN	12	14	0	7	0	0	351	3	13	12	1	30	0
013018180203	ANTWERPEN	12	15	0	7	0	0	350	3	3	12	1	30	0
013018260203	ANTWERPEN	12	14	0	7	0	0	351	1	5	9	0	40	0
014015010203	CHARLEROI	12	40	0	7	0	0	325	1	3	14	5	20	0
014015040203	CHARLEROI	12	14	0	7	0	0	351	1	2	14	5	10	0
014015050203	CHARLEROI	12	14	0	7	0	0	351	1	1	19	7	30	0
014015090203	CHARLEROI	12	21	0	7	0	0	344	1	1	12	4	0	0
014015130203	CHARLEROI	12	14	0	7	0	0	351	1	4	10	3	41	0
014015140203	CHARLEROI	12	14	0	7	0	0	351	1	2	16	6	30	0
014027010203	GENT	12	4	0	7	0	0	361	2	5	14	4	30	0
014027060203	GENT	12	19	0	7	0	0	346	2	21	8	2	61	0
014027070203	GENT	12	9	0	7	0	0	356	2	3	20	7	10	0
014027090203	GENT	12	13	0	7	0	0	352	2	30	8	2	61	0
014027120203	GENT	12	8	0	7	0	0	357	2	8	14	5	10	0
014027150203	GENT	12	81	0	7	0	0	264	2	10	10	3	50	0
014032020203	LIEGE	12	337	0	7	0	0	28	4	1	12	3	52	2
014032050203	LIEGE	12	337	0	7	0	0	28	8	2	18	6	51	2
014032150203	LIEGE	12	337	0	7	0	0	28	22	1	36	5	20	2
014032180203	LIEGE	12	323	0	7	0	0	42	1	1	12	3	20	2
014032290203	LIEGE	12	337	0	7	0	0	28	3	1	12	2	53	2
014032300203	LIEGE	12	337	0	7	0	0	28	3	3	12	4	51	2
015016050203	BRUGGE	12	25	0	7	0	0	340	2	2	10	1	40	0
015026030203	KORTRIJK	12	16	0	7	0	0	349	3	1	22	0	0	0
015033020203	LIBRAMONT	12	8	0	7	0	0	357	1	15	5	0	70	0
015044040203	NAMUR	3	92	0	1	0	0	0	0	0	0	0	0	1
015044050203	NAMUR	3	92	0	1	0	0	0	0	0	0	0	0	1
015044110203	NAMUR	3	92	0	1	0	0	0	0	0	0	0	0	1
041010110210	PARIS	12	25	0	7	0	0	340	3	1	28	0	0	0
041010170210	PARIS	12	1	3	7	0	0	361	8	2	29	2	0	0
041010490210	PARIS	12	1	2	7	0	0	362	5	2	31	1	0	0
041010650210	PARIS	12	17	6	7	0	0	342	3	1	27	0	0	0
041010990210	PARIS	12	1	0	7	0	0	364	8	1	35	3	0	0
042020010210	MARSEILLE	12	64	0	7	0	0	301	1	2	28	8	0	0
042020140210	MARSEILLE	12	57	0	7	0	0	308	2	2	20	3	0	0
042020180210	MARSEILLE	12	19	0	7	0	0	346	2	1	34	8	0	0
042022040210	MARSEILLE	12	17	0	7	0	0	348	11	2	65	27	0	0

Global description

Pollutant 2: Smoke (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	za no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
042022060210	MARSEILLE	12	5	0	7	1	0	360	1	4	27	7	10	0
044010010210	CLERMONT-FER	12	1	0	7	1	0	364	1	8	10	2	20	0
044010020210	CLERMONT-FER	12	6	0	7	0	0	359	2	12	13	2	0	0
044010040210	CLERMONT-FER	12	0	0	7	3	0	365	1	31	5	1	50	0
044010080210	CLERMONT-FER	12	0	0	7	8	0	365	1	37	5	1	50	0
044010320210	CLERMONT-FER	12	0	0	7	0	0	365	5	1	27	6	10	0
044010330210	CLERMONT-FER	12	17	0	7	0	0	348	1	2	13	3	30	0
044020470210	LE HAVRE	12	39	0	7	0	0	326	2	1	21	2	0	0
044031040210	NANTES	12	3	0	7	0	0	362	3	4	21	6	50	0
044031060210	NANTES	12	46	0	7	5	0	319	1	11	10	1	80	0
044040010210	ROUEN	12	96	0	7	0	0	269	3	10	14	0	20	0
044040040210	ROUEN	12	0	0	7	0	0	365	6	1	33	6	0	0
044040060210	ROUEN	12	63	0	7	0	0	302	3	1	16	2	0	0
044040070210	ROUEN	12	121	0	7	0	0	244	3	3	15	2	30	0
044040110210	ROUEN	12	88	0	7	0	0	277	3	2	14	1	30	0
044042080210	ROUEN	12	44	0	7	0	0	321	2	2	12	1	20	0
053010010204	DUBLIN	12	1	0	7	0	0	364	2	2	40	10	0	0
053010040204	DUBLIN	12	0	0	7	0	0	365	1	1	28	4	0	0
053010070204	DUBLIN	12	9	0	7	0	0	356	1	27	15	2	0	0
053010100204	DUBLIN	12	27	0	7	0	0	338	1	48	21	4	0	0
053011030204	DUBLIN	12	0	0	7	0	0	365	1	2	29	4	0	0
054010010205	CORK	12	304	0	7	2	0	61	1	3	21	6	20	2
055010010206	GALWAY	12	14	0	7	4	0	351	1	11	12	2	0	0
055020020205	CORK COUNTY	12	7	0	7	0	0	358	1	118	2	0	60	0
075013520201	LUXEMBOURG-V	12	104	0	7	0	0	261	2	1	15	1	50	0
075013530201	LUXEMBOURG-V	12	75	0	7	0	0	290	2	14	12	0	50	0
075023550201	ESCH-SUR-ALZ	12	78	0	7	0	0	287	1	2	9	0	60	0
075033600201	STEINFORT	12	43	0	7	0	0	322	1	2	10	1	60	0
076990010201	SITE DE FOND	3	7	0	1	1	0	85	2	13	5	1	82	1
091010150207	GREATER LOND	12	4	0	7	0	0	361	1	2	12	0	20	0
091021150207	GREATER MANC	12	5	102	7	0	0	258	1	1	9	0	30	0
091022130207	GREATER MANC	12	16	23	7	0	0	326	3	48	11	2	30	0
091030260207	W.MIDL.CONUR	12	52	0	7	0	0	313	1	2	11	1	10	0
092010910207	GLASGOW|SURR	12	74	0	7	0	0	291	3	119	4	0	10	0
092023220207	MERSEYSIDE C	12	6	0	7	0	0	359	4	9	22	1	0	0
092024060207	MERSEYSIDE C	6	154	10	4	0	0	18	1	1	5	0	81	1
093010180207	LEEDS	12	6	0	7	0	0	359	1	17	11	0	10	0
093010300207	LEEDS	12	36	0	7	0	0	329	1	24	8	0	20	0
093020820207	SHEFFIELD	12	34	88	7	0	0	243	5	1	23	2	0	0
093031310207	TYNESIDE	12	257	0	7	0	0	108	2	1	11	0	50	2
094010110207	BELFAST	12	1	105	7	0	0	259	2	2	17	0	0	5
094010150207	BELFAST	12	0	0	7	0	0	365	2	2	16	1	10	0
094020120207	CARDIFF	12	36	88	7	0	0	241	1	1	13	0	40	0
094030120207	EDINBURGH	12	0	0	7	0	0	365	1	1	12	0	0	0
094040100207	PORTSMOUTH	12	2	0	7	0	0	363	2	15	8	0	40	0
094050090207	TEESSIDE	12	12	97	7	0	0	256	1	1	12	0	0	0

Global description

Pollutant 2: Smoke (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
094052290207	TEESSIDE	12	0	0	7	0	0	365	2	6	11	0	10	0
095020060207	BATH	12	2	107	7	0	0	256	2	3	15	0	20	5
095030100207	BEDFORD	12	7	0	7	0	0	358	1	27	7	0	30	0
095050050207	LINCOLN	12	30	93	7	0	0	242	2	2	11	0	20	0

Global description

Pollutant 3: SPM (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
022010080302	MUENCHEN, BA	12	28	0	7	0	0	337	1	1	45	9	0	0
022010100302	MUENCHEN, BA	12	55	0	7	0	0	310	24	1	75	12	0	0
022010140302	MUENCHEN, BA	12	60	0	7	0	0	305	4	2	26	0	0	0
022010150302	MUENCHEN, BA	12	37	0	7	0	0	328	9	1	42	1	0	0
022010160302	MUENCHEN, BA	12	13	0	7	0	0	352	5	4	31	0	0	0
023010010303	DORTMUND	12	229	0	7	44	0	136	17	1	46	14	0	2
023020010303	DUISBURG	12	226	0	7	45	0	139	25	1	50	10	0	2
023030020303	DUESSELDORF	12	184	0	7	36	0	181	15	1	48	9	0	2
023040010302	FRANKFURT-AM	12	50	0	7	0	0	315	18	1	53	1	0	0
023040050305	FRANKFURT-AM	12	276	0	7	0	0	89	7	3	17	0	20	2
023050810306	NUERNBERG, B	12	19	0	7	0	0	346	8	1	43	5	0	0
023050820306	NUERNBERG, B	12	6	0	7	0	0	359	5	1	31	2	0	0
023060010326	STUTTGART	12	15	0	7	0	0	350	1	7	10	0	60	0
023060020326	STUTTGART	12	58	0	7	4	0	307	1	3	12	0	40	0
023060030326	STUTTGART	12	104	0	7	0	0	261	3	1	11	0	10	0
023060040326	STUTTGART	12	35	0	7	0	0	330	5	6	19	0	20	0
024010710306	AUGSBURG, BA	12	50	0	7	0	0	315	6	2	39	1	0	0
024020540306	ERLANGEN, BA	12	21	0	7	0	0	344	5	1	42	2	0	0
024030010326	KARLSRUHE	11	187	0	4	0	0	150	2	3	10	0	70	1
024030220326	KARLSRUHE	12	84	0	7	0	0	281	7	5	18	0	0	0
024040010302	KASSEL, HESS	12	18	0	7	0	0	347	20	1	60	5	0	0
024050060325	LUDWIGSHAFEN	12	36	0	7	0	0	329	3	2	33	1	0	0
024050070325	LUDWIGSHAFEN	12	50	0	7	0	0	315	11	1	69	16	0	0
024050080325	LUDWIGSHAFEN	12	59	0	7	0	0	306	7	3	65	8	0	0
024061100326	MANNHEIM	11	90	0	6	0	0	245	6	3	14	0	20	1
024061110326	MANNHEIM	12	80	0	7	0	0	285	6	1	20	0	10	0
024061120326	MANNHEIM	12	72	0	7	0	0	293	7	2	16	0	20	0
024070310306	REGENSBURG,	12	9	0	7	0	0	356	6	1	33	1	0	0
024080010302	WIESBADEN, H	12	102	0	7	0	0	263	23	1	63	3	0	0
024090640306	WUERZBURG, B	12	21	0	7	0	0	344	1	10	22	0	10	0
024100110306	INGOLSTADT,	12	29	0	7	0	0	336	5	1	35	1	0	0
024110850306	FUERTH, BAYE	12	9	0	7	0	0	356	6	1	35	1	0	0
024120030325	MAINZ	12	69	0	7	0	0	296	2	2	33	2	0	0
024120040325	MAINZ	12	34	0	7	0	0	331	4	2	39	1	0	0
024120050325	MAINZ	12	57	0	7	0	0	308	4	1	30	1	0	0
024130010326	FREIBERG	11	46	0	6	0	0	289	1	1	5	0	50	1
025010610306	ASCHAFFENBUR	12	17	0	7	0	0	348	3	1	25	1	0	0
025020910306	KELHEIM, BAY	12	57	0	7	0	0	308	5	1	31	0	0	0
025030010326	HEILBROENN	10	78	0	6	0	0	226	2	1	14	0	10	1
025040010326	ULM	11	25	0	6	0	0	310	4	7	12	0	40	1
025050010325	SPEIZER	12	28	0	7	0	0	337	4	1	37	1	0	0
026990020308	B.R. DEUTSCH	12	2	0	7	0	0	363	8	5	35	0	0	0
026990030308	B.R. DEUTSCH	12	5	0	7	0	0	360	6	1	36	0	0	0
026990040308	B.R. DEUTSCH	12	0	0	7	0	0	365	5	2	30	0	0	0
026990050308	B.R. DEUTSCH	11	5	0	6	0	0	330	9	1	41	1	0	1
026990060308	B.R. DEUTSCH	12	7	0	7	0	0	358	3	1	27	0	0	0

Global description
Pollutant 3: SPM (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
026990070308	B.R. DEUTSCH	12	6	0	7	0	0	359	1	4	16	0	0	0
026990080308	B.R. DEUTSCH	12	8	0	7	0	0	357	8	1	33	1	0	0
026990090308	B.R. DEUTSCH	12	12	0	7	0	0	353	9	1	35	1	0	0
026990100308	B.R. DEUTSCH	12	3	0	7	0	0	362	9	3	32	0	0	0
026990120308	B.R. DEUTSCH	12	2	0	7	0	0	363	11	1	37	1	0	0
026990130308	B.R. DEUTSCH	12	9	0	7	0	0	356	7	4	32	0	0	0
026990140308	B.R. DEUTSCH	12	21	0	7	0	0	344	5	1	24	0	0	0
026990150308	B.R. DEUTSCH	12	4	0	7	0	0	361	9	1	36	0	0	0
026990160308	B.R. DEUTSCH	12	10	0	7	0	0	355	8	3	42	0	0	0
026990240326	B.R. DEUTSCH	11	49	0	6	0	0	286	1	7	7	0	30	1
032011010347	KOBENHAVN	12	3	0	7	0	0	362	1	19	38	4	0	0
032011030347	KOBENHAVN	12	3	0	7	0	0	362	1	1	79	26	0	0
032012100347	KOBENHAVN	12	2	0	7	1	0	363	1	3	35	4	0	0
032012210347	KOBENHAVN	12	7	0	7	0	0	358	1	3	38	5	0	0
032013420347	KOBENHAVN	12	4	0	7	0	0	361	1	1	36	3	0	0
032013480347	KOBENHAVN	12	4	0	7	0	0	361	1	1	38	2	0	0
034018150347	AALBORG	12	1	0	7	0	0	364	2	1	61	18	0	0
034029150347	ODENSE	12	1	0	7	0	0	364	2	4	43	8	0	0
035015650347	ESBJERG	12	0	0	7	0	0	365	3	35	48	13	0	0
035025150347	FREDERICIA	12	0	0	7	0	0	365	2	2	50	14	0	0
035033510347	NAESTVED	12	4	0	7	0	0	361	1	1	56	16	0	0
035046350347	RANDERS	12	2	0	7	0	0	363	2	7	49	11	0	0
043020080318	LILLE-ROUB.-	12	119	0	7	0	0	248	2	6	50	11	0	0
043020230318	LILLE-ROUB.-	12	321	0	7	0	0	44	3	1	32	24	21	2
044020290318	LE HAVRE	12	148	0	7	0	0	217	1	1	14	0	20	4
044020470318	LE HAVRE	12	281	0	7	0	0	84	7	1	27	2	20	2
044040040318	ROUEN	12	94	0	7	0	0	271	14	1	34	1	0	0
044050030318	STRASBOURG	3	34	0	1	0	0	58	32	2	74	23	0	1
044050090318	STRASBOURG	3	42	0	1	0	0	50	6	1	54	28	0	1
044070070318	CAEN - AGGLO	12	97	0	7	0	0	268	1	1	21	2	0	0
045020190318	FOS-BERRE	12	68	0	7	0	0	297	10	1	34	0	10	0
045040050318	DUNKERQUE	12	41	0	7	0	0	324	6	1	38	2	0	0
045040070318	DUNKERQUE	12	83	0	7	0	0	282	9	1	40	5	0	0
045040110318	DUNKERQUE	12	44	0	7	0	0	321	20	2	48	2	0	0
045040130318	DUNKERQUE	12	59	0	7	0	0	306	1	1	25	3	0	0
062010010315	TORINO	12	9	0	7	47	0	356	16	1	94	20	0	0
062010020315	TORINO	12	8	0	7	41	0	357	43	1	141	28	0	0
062010030315	TORINO	12	15	0	7	48	0	350	29	2	122	33	0	0
064040020315	BOLZANO	6	14	0	3	24	0	169	26	1	58	4	0	1
064040030315	BOLZANO	12	32	0	7	35	0	333	6	1	40	4	0	0
064080010315	PESCARA	12	267	0	7	0	0	98	31	1	90	27	0	2
065140010315	VERCELLI	5	16	0	4	0	0	135	2	2	11	1	1	1

Global description

Pollutant 4: Acid (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
012010010403	BRUXELLES	12	0	0	7	0	0	365	2	3	51	8	0	0
012010020403	BRUXELLES	12	0	0	7	0	0	365	11	1	57	4	0	0
012010080403	BRUXELLES	12	0	0	7	1	0	365	2	1	34	11	0	0
012010140403	BRUXELLES	12	42	0	7	1	0	323	2	5	20	1	0	0
012010170403	BRUXELLES	12	32	0	7	0	0	333	6	2	32	2	0	0
012010220403	BRUXELLES	12	45	0	7	5	0	320	2	1	30	2	0	0
012010260403	BRUXELLES	12	1	0	7	0	0	364	5	2	38	2	0	0
013018010403	ANTWERPEN	12	25	0	7	0	0	340	14	1	67	5	0	0
013018090403	ANTWERPEN	12	14	0	7	0	0	351	14	1	59	7	0	0
013018120403	ANTWERPEN	12	14	0	7	2	0	351	9	1	43	3	0	0
013018130403	ANTWERPEN	12	14	0	7	0	0	351	7	2	54	7	0	0
013018180403	ANTWERPEN	12	16	0	7	1	0	349	10	1	69	3	0	0
013018260403	ANTWERPEN	12	14	0	7	0	0	351	20	3	82	5	0	0
014015010403	CHARLEROI	12	41	0	7	0	0	324	7	1	33	10	0	0
014015040403	CHARLEROI	12	14	0	7	0	0	351	2	1	23	8	0	0
014015050403	CHARLEROI	12	14	0	7	0	0	351	2	1	33	12	0	0
014015090403	CHARLEROI	12	21	0	7	0	0	344	2	1	28	10	0	0
014015130403	CHARLEROI	12	14	0	7	2	0	351	2	3	30	11	0	0
014015140403	CHARLEROI	12	15	0	7	0	0	350	10	1	45	16	0	0
014027010403	GENT	12	4	0	7	1	0	361	9	1	53	19	0	0
014027060403	GENT	12	19	0	7	6	0	346	4	1	30	12	0	0
014027070403	GENT	12	9	0	7	8	0	356	6	3	36	13	0	0
014027090403	GENT	12	13	0	7	2	0	352	4	1	60	32	0	0
014027120403	GENT	12	8	0	7	2	0	357	6	3	49	20	0	0
014027150403	GENT	12	81	0	7	33	0	284	2	4	28	13	0	0
014032020403	LIEGE	12	337	0	7	0	0	28	46	1	86	30	10	2
014032050403	LIEGE	12	337	0	7	0	0	28	51	1	88	20	21	2
014032150403	LIEGE	12	338	0	7	0	0	27	26	1	98	57	1	2
014032180403	LIEGE	12	327	0	7	15	0	38	6	1	12	3	31	2
014032290403	LIEGE	12	337	0	7	0	0	28	8	1	36	20	31	2
014032300403	LIEGE	12	337	0	7	0	0	28	4	1	29	16	20	2
015016050403	BRUGGE	12	25	0	7	18	0	340	2	9	21	6	10	0
015026030403	KORTRIJK	12	17	0	7	5	0	348	2	5	30	0	0	0
015033020403	LIBRAMONT	12	10	0	7	2	0	355	4	3	23	1	0	0
015044040403	NAMUR	3	92	0	1	0	0	0	0	0	0	0	0	1
015044050403	NAMUR	3	92	0	1	0	0	0	0	0	0	0	0	1
015044110403	NAMUR	3	92	0	1	0	0	0	0	0	0	0	0	1
041010110411	PARIS	12	39	3	7	16	0	323	2	1	29	0	0	0
041010170411	PARIS	12	3	5	7	0	0	357	16	1	83	11	0	0
041010490411	PARIS	12	6	1	7	0	0	358	6	2	55	7	0	0
041010650411	PARIS	12	20	8	7	2	0	337	4	1	46	2	0	0
041010990411	PARIS	12	2	0	7	8	0	363	3	2	31	0	0	0
042010010411	LYON	12	73	0	7	0	0	292	10	1	44	2	0	0
042010080411	LYON	12	63	0	7	0	0	302	7	1	42	1	0	0
042010100411	LYON	12	119	0	7	1	0	246	1	2	38	8	0	0
042010160411	LYON	12	78	0	7	0	0	287	6	2	30	2	10	0

Global description

Pollutant 4: Acid (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
042020010408	MARSEILLE	12	66	0	7	4	0	299	2	3	29	0	0	0
043020050411	LILLE-ROUB.-	12	57	0	7	0	0	308	1	28	31	2	0	0
043020100408	LILLE-ROUB.-	12	110	0	7	0	0	255	1	29	38	2	0	0
044010010408	CLERMONT-FER	12	0	0	7	18	0	365	3	1	28	6	0	0
044010020408	CLERMONT-FER	12	2	0	7	21	0	363	5	1	33	7	0	0
044010040408	CLERMONT-FER	12	0	0	7	14	0	365	5	1	31	7	0	0
044010080408	CLERMONT-FER	12	0	0	7	8	0	365	8	1	43	10	0	0
044010320408	CLERMONT-FER	12	95	0	7	10	0	270	1	3	22	0	0	0
044010330408	CLERMONT-FER	12	28	0	7	20	0	337	1	2	23	0	0	0
044020120411	LE HAVRE	12	141	0	7	50	0	224	1	10	7	0	0	4
044020210411	LE HAVRE	12	84	0	7	34	0	281	1	7	37	5	0	0
044020290411	LE HAVRE	12	161	0	7	14	0	204	1	6	23	0	0	4
044020310411	LE HAVRE	12	175	0	7	48	0	190	1	4	27	4	0	2
044020320411	LE HAVRE	12	30	0	7	5	0	335	1	6	36	0	0	0
044020430411	LE HAVRE	12	297	0	7	26	0	68	1	3	3	0	10	2
044031000411	NANTES	12	32	0	7	57	0	333	1	16	13	0	0	0
044031030411	NANTES	12	61	0	7	159	0	304	1	14	0	0	20	0
044031040411	NANTES	12	56	0	7	78	0	309	1	2	20	1	0	0
044031060411	NANTES	12	41	0	7	43	0	324	1	10	15	0	10	0
044031130411	NANTES	12	5	0	7	115	0	360	1	15	4	0	0	0
044031150411	NANTES	12	5	0	7	57	0	360	1	15	7	0	0	0
044040010411	ROUEN	12	68	0	7	31	0	297	1	5	16	0	0	0
044040040411	ROUEN	12	75	0	7	8	0	290	1	1	38	3	0	0
044040060411	ROUEN	12	84	0	7	10	0	281	1	3	30	0	0	0
044040070411	ROUEN	12	70	0	7	15	0	295	1	3	43	1	0	0
044040080411	ROUEN	12	107	0	7	55	0	258	1	12	7	0	0	0
044040110411	ROUEN	12	60	0	7	5	0	305	1	1	75	14	0	0
044050030408	STRASBOURG	3	32	0	1	0	0	60	15	1	58	23	0	1
044050060410	STRASBOURG	3	32	0	1	0	0	60	24	1	72	23	0	1
044050070410	STRASBOURG	3	32	0	1	0	0	60	18	1	57	21	0	1
044050090410	STRASBOURG	3	32	0	1	0	0	60	26	1	69	21	0	1
044050140410	STRASBOURG	3	42	0	1	4	0	50	3	1	20	5	20	1
044070070408	CAEN - AGGLO	12	27	0	7	2	0	338	1	1	30	1	0	0
045020190411	FOS-BERRE	12	42	0	7	22	0	323	1	1	16	0	10	0
045030170411	VIGNEUX DE B	12	9	0	7	105	0	356	1	9	6	0	20	0
053010010404	DUBLIN	12	0	0	7	0	0	365	10	2	53	12	0	0
053010040404	DUBLIN	12	0	0	7	0	0	365	5	2	39	14	0	0
053010070404	DUBLIN	12	8	0	7	0	0	357	7	6	32	0	0	0
053010100404	DUBLIN	12	12	0	7	0	0	353	6	6	30	3	0	0
053011030404	DUBLIN	12	1	0	7	0	0	364	6	4	38	13	0	0
054010010405	CORK	12	276	0	7	0	0	89	7	5	22	10	10	2
055010010406	GALWAY	12	18	0	7	5	0	347	5	7	6	0	60	0
055020020405	CORK COUNTY	12	365	0	7	0	0	0	0	0	0	0	0	4
075013520401	LUXEMBOURG-V	12	104	0	7	2	0	261	3	3	22	1	0	0
075013530401	LUXEMBOURG-V	12	75	0	7	1	0	290	2	1	24	2	10	0
075023550401	ESCH-SUR-ALZ	12	78	0	7	0	0	287	1	3	20	1	40	0

Global description

Pollutant 4: Acid (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
075033600401	STEINFORT	12	43	0	7	1	0	322	2	2	23	1	20	0
076990010401	SITE DE FOND	3	0	0	1	0	0	92	2	1	16	1	40	1
091010150407	GREATER LOND	12	12	0	7	2	0	353	6	7	29	5	0	0
091021150407	GREATER MANC	12	8	100	7	0	0	257	7	1	54	12	0	0
091022130407	GREATER MANC	12	16	23	7	0	0	326	13	14	40	13	0	0
091030260407	W.MIDL.CONUR	12	53	0	7	1	0	312	6	7	35	18	0	0
092010910407	GLASGOW|SURR	12	75	0	7	0	0	290	11	6	37	3	0	0
092023220407	MERSEYSIDE C	12	6	0	7	0	0	359	8	1	59	22	0	0
092024060407	MERSEYSIDE C	6	156	9	4	0	0	17	13	1	46	25	22	1
093010180407	LEEDS	12	6	0	7	0	0	359	8	4	48	6	0	0
093010300407	LEEDS	12	36	0	7	0	0	329	13	3	41	7	0	0
093020820407	SHEFFIELD	12	35	88	7	0	0	242	24	1	66	13	0	0
093031310407	TYNESIDE	12	258	0	7	5	0	107	6	3	37	16	0	2
094010110407	BELFAST	12	0	105	7	0	0	260	7	2	38	2	0	5
094010150407	BELFAST	12	0	0	7	0	0	365	12	4	47	18	0	0
094020120407	CARDIFF	12	35	88	7	0	0	242	11	1	35	5	10	0
094030120407	EDINBURGH	12	0	0	7	0	0	365	6	9	33	19	10	0
094040100407	PORTSMOUTH	12	3	0	7	4	0	362	13	7	37	5	0	0
094050090407	TEESSIDE	12	12	97	7	0	0	256	3	1	41	7	0	0
094052290407	TEESSIDE	12	25	0	7	61	0	340	5	9	7	0	20	0
095020060407	BATH	12	1	107	7	0	0	257	5	1	30	2	20	5
095030100407	BEDFORD	12	9	0	7	1	0	356	17	1	58	9	0	0
095050050407	LINCOLN	12	31	93	7	0	0	241	20	2	50	0	0	0

Global description
Pollutant 19: Lead (Pb) (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
032011011901	KOBENHAVN	3	30	0	1	0	0	62	62	1	355	259	2	1
032011031901	KOBENHAVN	3	27	0	1	0	0	65	243	1	763	487	4	1
032012101901	KOBENHAVN	3	31	0	1	0	0	61	35	1	114	51	0	1
032012211901	KOBENHAVN	3	33	0	1	0	0	59	61	2	175	88	1	1
032013421901	KOBENHAVN	3	34	0	1	0	0	58	12	1	86	52	0	1
032013481901	KOBENHAVN	3	30	0	1	0	0	62	15	1	135	92	0	1
034018151901	AALBORG	3	0	0	1	0	0	92	256	1	1030	713	0	1
034029151901	ODENSE	3	1	0	1	0	0	91	90	1	284	135	0	1
035015651901	ESBJERG	3	0	0	1	0	0	92	79	1	188	73	0	1
035025151901	FREDERICIA	3	0	0	1	0	0	92	97	1	336	189	0	1
035033511901	NAESTVED	3	11	0	1	0	0	81	154	1	410	211	0	1
035046351901	RANDERS	3	2	0	1	0	0	90	37	1	460	382	0	1
053010011902	DUBLIN	12	32	281	7	0	0	52	160	2	1030	839	1	5

Global description
Pollutant 28: Cadmium (Cd) (column caption: see A2.1)

Station code PPCVVSSSPLTM	Town name	month no	BLA no	REP no	spa no	ze no	>9999 no	cas no	min val	occ no	med val	gap no	dig nn	rej cde
032011012801	KOBENHAVN	10	280	0	7	0	0	23	3	6	4	0	54	1
032011032801	KOBENHAVN	9	262	0	5	0	0	12	4	6	4	0	95	1
032012102801	KOBENHAVN	10	287	0	7	0	0	16	3	5	4	0	84	1
032012212801	KOBENHAVN	10	285	0	7	0	0	18	3	10	3	0	95	1
032013422801	KOBENHAVN	8	233	0	5	0	0	10	3	5	3	0	96	1
032013482801	KOBENHAVN	4	117	0	2	0	0	5	3	2	4	0	97	1
034018152801	AALBORG	4	117	0	2	0	0	5	3	1	6	0	85	1
034029152801	ODENSE	11	309	0	7	0	0	25	3	5	4	0	63	1
035015652801	ESBJERG	5	146	0	3	0	0	6	3	1	4	0	96	1
035025152801	FREDERICIA	5	142	0	4	0	0	9	3	2	5	0	85	1
035033512801	NAESTVED	7	204	0	2	0	0	11	3	2	5	0	84	1
035046352801	RANDERS	3	88	0	1	0	0	4	4	2	4	0	98	1

ANNUAL CHARACTERISTICS OF THE SERIES

October 1982 - September 1983

Annex 3: Yearly percentiles 25,50,75,95,98 computed for the selected series

Column caption:

Label	Explanation
station code	PPCVVSSSPLTM: PP country code C town class code VV town code SSS station code PL pollutant code TM measurement technique code
cas	number of cases reported for the year (measured values)
min	minimum concentration for the year ($\mu g/m^3$)
max	maximum concentration for the year ($\mu g/m^3$)
25,50,75,95,98	yearly percentiles ($\mu g/m^3$)

Results of this annex are graphically presented in:

Yearly percentiles

Pollutant 1: SO_2 (column caption: see A3.1)

Station code PPCVVSSSPLTM	Town name	cas no	min val	max val	25 val	50 val	75 val	95 val	98 val
021010060103	BERLIN (WEST	364	10	430	30	60	90	180	220
021010080103	BERLIN (WEST	364	10	310	30	50	90	160	210
021010160103	BERLIN (WEST	364	10	500	50	80	120	210	310
021010180103	BERLIN (WEST	364	10	330	30	60	100	180	220
021010200103	BERLIN (WEST	364	10	430	40	60	100	160	260
021010280103	BERLIN (WEST	364	10	200	30	50	70	120	160
022010050104	MUENCHEN, BA	333	13	209	13	13	16	57	97
022010070104	MUENCHEN, BA	318	13	155	13	15	22	45	74
022010080104	MUENCHEN, BA	338	4	187	17	25	36	72	100
022010100104	MUENCHEN, BA	309	13	165	15	21	31	61	79
022010110104	MUENCHEN, BA	314	13	199	13	15	30	67	81
022010120104	MUENCHEN, BA	329	13	222	13	17	29	70	91
022010130104	MUENCHEN, BA	322	11	188	13	17	28	73	94
022010140104	MUENCHEN, BA	289	13	195	13	19	28	68	95
022010150104	MUENCHEN, BA	345	6	165	20	28	39	74	82
022010160104	MUENCHEN, BA	347	9	278	14	20	32	73	106
023010030105	DORTMUND	353	10	240	30	50	60	100	140
023020030105	DUISBURG	341	10	310	30	50	70	130	200
023040010106	FRANKFURT-AM	283	7	234	33	48	72	126	184
023040050107	FRANKFURT-AM	264	9	233	29	43	64	114	162
023050810109	NUERNBERG, B	351	4	238	16	27	43	87	113
023050820109	NUERNBERG, B	354	2	182	13	22	39	86	120
023050830109	NUERNBERG, B	351	11	246	17	26	41	96	118
023060010126	STUTTGART	320	4	213	18	25	38	78	110
023060020126	STUTTGART	302	1	190	17	25	42	80	92
023060030126	STUTTGART	296	6	193	14	24	38	70	85
023060040126	STUTTGART	325	2	195	13	20	38	84	101
024010710109	AUGSBURG, BA	322	9	144	28	37	47	75	93
024010720109	AUGSBURG, BA	342	13	212	13	14	23	42	55
024020540109	ERLANGEN, BA	354	3	358	23	36	62	133	180
024030220110	KARLSRUHE	285	6	170	24	35	53	108	120
024040010106	KASSEL, HESS	362	8	349	30	44	63	154	196
024050060112	LUDWIGSHAFEN	350	3	222	13	22	42	63	112
024050070112	LUDWIGSHAFEN	341	7	197	19	33	56	102	130
024050080112	LUDWIGSHAFEN	350	3	231	21	33	55	103	120
024061100110	MANNHEIM	258	4	210	29	47	70	123	152
024061110110	MANNHEIM	278	1	205	17	27	50	112	141
024061120126	MANNHEIM	264	2	196	20	28	45	81	115
024070310109	REGENSBURG,	336	4	209	15	20	32	72	97
024080010106	WIESBADEN, H	302	7	152	26	38	56	97	129
024080020106	WIESBADEN, H	353	11	201	32	43	67	126	141
024090640109	WUERZBURG, B	355	6	264	13	19	28	76	108
024090650109	WUERZBURG, B	345	4	352	14	19	31	87	127
024100110109	INGOLSTADT,	344	4	182	13	19	29	72	92
024110850109	FUERTH, BAYE	330	3	203	14	22	40	94	111
024120030112	MAINZ	350	3	281	14	25	46	130	181

Yearly percentiles

Pollutant 1: SO_2 (column caption: see A3.1)

Station code PPCVVSSSPLTM	Town name	cas no	min val	max val	25 val	50 val	75 val	95 val	98 val
024120040112	MAINZ	339	3	182	15	25	40	82	121
024120050112	MAINZ	354	3	269	17	28	44	91	136
025010610109	ASCHAFFENBUR	338	4	121	16	22	32	64	78
025020910109	KELHEIM, BAY	335	2	116	15	20	30	50	66
025020920109	KELHEIM, BAY	347	6	211	13	16	26	62	85
026990010113	B.R. DEUTSCH	359	1	77	1	2	6	19	24
026990020113	B.R. DEUTSCH	353	1	208	1	2	9	49	75
026990030113	B.R. DEUTSCH	363	1	200	4	9	16	41	72
026990040113	B.R. DEUTSCH	365	1	126	5	9	16	38	57
026990060113	B.R. DEUTSCH	363	1	94	3	5	10	32	44
026990070113	B.R. DEUTSCH	363	1	86	1	1	3	13	19
026990080113	B.R. DEUTSCH	365	1	203	1	4	10	28	54
026990090113	B.R. DEUTSCH	360	1	237	5	11	18	54	97
026990100113	B.R. DEUTSCH	340	1	245	7	14	25	63	77
026990120113	B.R. DEUTSCH	344	1	165	7	13	26	68	86
026990130113	B.R. DEUTSCH	356	1	152	1	2	7	29	56
026990140113	B.R. DEUTSCH	349	1	153	1	2	6	21	54
026990150113	B.R. DEUTSCH	363	1	197	5	11	21	64	130
026990160113	B.R. DEUTSCH	358	1	417	5	13	37	134	289
032011010127	KOBENHAVN	328	1	91	12	18	28	49	59
032011030127	KOBENHAVN	337	2	116	25	31	43	61	79
032011030128	KOBENHAVN	336	1	115	26	37	47	75	83
032012100127	KOBENHAVN	331	2	85	9	16	22	41	49
032012210127	KOBENHAVN	327	1	123	11	20	31	54	69
032013420127	KOBENHAVN	331	1	65	6	10	16	35	49
032013480127	KOBENHAVN	345	1	132	8	17	29	56	75
034018150127	AALBORG	351	1	85	11	18	29	45	54
034029150127	ODENSE	347	2	151	11	17	25	43	64
035015650127	ESBJERG	351	1	80	6	10	15	28	37
035025150127	FREDERICIA	348	2	103	9	14	21	36	54
035033510127	NAESTVED	349	2	150	10	19	33	56	75
035046350127	RANDERS	350	1	68	7	11	17	29	41
042010180137	LYON	336	1	584	7	18	34	78	191
042010210137	LYON	299	2	498	23	45	84	166	218
042020140136	MARSEILLE	309	3	455	30	52	79	173	243
042020180136	MARSEILLE	296	3	261	20	37	63	132	149
042022040136	MARSEILLE	310	2	287	33	56	89	143	179
042022060136	MARSEILLE	265	2	250	24	51	84	150	190
043020040136	LILLE-ROUB.-	320	1	300	10	27	49	101	130
043020050136	LILLE-ROUB.-	275	1	178	13	28	45	81	109
043020070138	LILLE-ROUB.-	303	1	310	9	29	53	156	207
043020100135	LILLE-ROUB.-	317	1	257	25	42	66	118	160
043020230136	LILLE-ROUB.-	291	1	250	25	44	75	150	189
045040050135	DUNKERQUE	330	1	199	19	39	71	130	158
045040070136	DUNKERQUE	305	1	155	17	37	54	98	115
045040110135	DUNKERQUE	324	1	234	6	17	36	70	110

Yearly percentiles
Pollutant 1: SO_2 (column caption: see A3.1)

Station code PPCVVSSSPLTM	Town name	cas no	min val	max val	25 val	50 val	75 val	95 val	98 val
045040130135	DUNKERQUE	306	1	167	2	9	14	54	98
061010100120	MILANO	258	5	863	21	68	231	523	621
061010130120	MILANO	252	3	575	26	65	161	304	429
061010140120	MILANO	268	3	554	21	49	177	351	494
061010160120	MILANO	259	5	1253	36	94	252	650	897
062010010122	TORINO	347	39	595	39	39	164	416	455
064040020121	BOLZANO	342	16	418	35	55	85	199	243
083015160102	AMSTERDAM	290	1	68	11	21	31	56	71
083015180102	AMSTERDAM	244	3	111	12	17	27	54	71
083015200102	AMSTERDAM	294	1	136	13	21	32	61	82
083015210102	AMSTERDAM	269	3	95	12	19	28	46	59
083015230102	AMSTERDAM	283	3	121	13	20	30	57	73
083015250102	AMSTERDAM	267	4	115	12	19	27	53	66
083024040102	DEN HAAG	348	2	130	12	20	36	76	88
083024050102	DEN HAAG	335	3	86	8	12	22	49	59
083034180102	ROTTERDAM	335	1	142	19	31	47	81	96
083034230102	ROTTERDAM	327	2	139	13	23	35	68	82
084018140102	ENSCHEDE	338	1	100	7	13	21	44	75
084029080102	GRONINGEN	279	1	41	4	7	12	26	32
084032130102	TILBURG	300	3	113	19	26	39	75	100
084032140102	TILBURG	329	1	104	11	17	26	52	79
084046070102	UTRECHT	322	1	91	11	18	28	54	71
084046100102	UTRECHT	334	1	90	12	17	27	47	64
085015280102	BUSSUM	262	2	67	9	15	23	44	60
085022040102	DEN BOSCH	332	3	129	16	24	34	69	87
085035300102	HILVERSUM	280	2	85	11	16	23	41	51
085041210102	MAASTRICHT	296	4	162	15	21	32	72	143
085053040102	MIDDELBURG	339	1	111	12	19	31	63	83
085068060102	ZWOLLE	341	1	108	9	14	23	52	67
086991240102	LIG.ACHTERGR	318	2	165	10	14	24	47	88
086992060102	LIG.ACHTERGR	286	3	105	9	13	22	49	79
086993120102	LIG.ACHTERGR	299	1	145	13	21	33	73	93
086995010102	LIG.ACHTERGR	284	1	101	3	7	11	28	31
086996170102	LIG.ACHTERGR	322	1	97	3	7	14	37	50
086998150102	LIG.ACHTERGR	316	1	116	6	12	21	47	82
086999010102	LIG.ACHTERGR	332	1	71	3	6	11	26	46

Yearly percentiles

Pollutant 2: Smoke (column caption: see A3.1)

Station code PPCVVSSSPLTM	Town name	cas no	min val	max val	25 val	50 val	75 val	95 val	98 val
012010010203	BRUXELLES	365	1	52	8	13	20	33	42
012010020203	BRUXELLES	365	3	105	19	26	35	57	73
012010080203	BRUXELLES	365	2	48	7	10	14	26	31
012010140203	BRUXELLES	323	1	37	4	8	11	23	27
012010170203	BRUXELLES	333	2	96	10	13	18	28	33
012010220203	BRUXELLES	320	1	99	12	17	26	41	52
012010260203	BRUXELLES	364	1	63	10	15	21	37	43
013018010203	ANTWERPEN	339	1	77	10	15	19	33	39
013018090203	ANTWERPEN	351	7	76	21	28	37	51	58
013018120203	ANTWERPEN	351	2	61	7	12	17	27	38
013018130203	ANTWERPEN	351	3	60	8	12	19	32	37
013018180203	ANTWERPEN	350	3	65	9	12	18	36	48
013018260203	ANTWERPEN	351	1	63	6	9	15	30	35
014015010203	CHARLEROI	325	1	108	9	14	21	39	48
014015040203	CHARLEROI	351	1	98	9	14	23	48	54
014015050203	CHARLEROI	351	1	69	12	19	27	48	58
014015090203	CHARLEROI	344	1	94	7	12	19	42	58
014015130203	CHARLEROI	351	1	54	7	10	16	32	37
014015140203	CHARLEROI	351	1	69	10	16	21	37	48
014027010203	GENT	361	2	87	8	14	20	31	39
014027060203	GENT	346	2	31	5	8	10	18	22
014027070203	GENT	356	2	111	14	20	31	54	70
014027090203	GENT	352	2	39	5	8	12	20	24
014027120203	GENT	357	2	83	10	14	24	42	54
014027150203	GENT	284	2	42	7	10	16	28	39
015016050203	BRUGGE	340	2	51	7	10	16	26	31
015026030203	KORTRIJK	349	3	92	17	22	31	49	60
015033020203	LIBRAMONT	357	1	29	3	5	8	16	21
041010110210	PARIS	340	3	187	18	28	43	89	107
041010170210	PARIS	364	6	171	20	29	44	78	101
041010490210	PARIS	364	5	194	23	31	43	74	104
041010650210	PARIS	348	3	145	19	27	41	80	93
041010990210	PARIS	364	8	229	28	35	49	85	110
042020010210	MARSEILLE	301	1	126	16	28	40	65	83
042020140210	MARSEILLE	308	2	90	11	20	32	59	77
042020180210	MARSEILLE	346	2	131	20	34	49	83	97
042022040210	MARSEILLE	348	11	174	44	65	88	121	129
042022060210	MARSEILLE	360	1	131	14	27	40	68	83
044010010210	CLERMONT-FER	364	1	112	6	10	17	42	71
044010020210	CLERMONT-FER	359	2	116	7	13	20	42	65
044010040210	CLERMONT-FER	365	1	59	2	5	9	20	27
044010080210	CLERMONT-FER	365	1	87	2	5	7	17	23
044010320210	CLERMONT-FER	365	5	136	17	27	38	65	83
044010330210	CLERMONT-FER	348	1	68	9	13	19	40	49
044020470210	LE HAVRE	326	2	175	14	21	32	57	78
044031040210	NANTES	362	3	46	13	21	23	28	31

Yearly percentiles
Pollutant 2: Smoke (column caption: see A3.1)

Station code PPCVVSSSPLTM	Town name	cas no	min val	max val	25 val	50 val	75 val	95 val	98 val
044031060210	NANTES	319	1	18	7	10	15	17	17
044040010210	ROUEN	269	3	77	8	14	21	36	49
044040040210	ROUEN	365	6	181	24	33	41	66	87
044040060210	ROUEN	302	3	168	10	16	24	44	77
044040070210	ROUEN	244	3	62	11	15	22	37	49
044040110210	ROUEN	277	3	68	11	14	20	36	45
044042080210	ROUEN	321	2	115	8	12	20	35	52
053010010204	DUBLIN	364	2	315	28	40	56	112	154
053010040204	DUBLIN	365	1	374	18	28	48	113	186
053010070204	DUBLIN	356	1	235	8	15	29	68	95
053010100204	DUBLIN	338	1	307	4	21	38	85	108
053011030204	DUBLIN	365	1	235	14	29	42	100	140
055010010206	GALWAY	351	1	104	7	12	21	40	69
055020020205	CORK COUNTY	358	1	32	1	2	5	11	14
075013520201	LUXEMBOURG-V	261	2	44	11	15	19	32	38
075013530201	LUXEMBOURG-V	290	2	43	8	12	16	31	37
075023550201	ESCH-SUR-ALZ	287	1	33	6	9	14	20	22
075033600201	STEINFORT	322	1	38	7	10	15	21	27
091010150207	GREATER LOND	361	1	108	7	12	20	44	49
091021150207	GREATER MANC	360	1	70	5	8	13	26	33
091022130207	GREATER MANC	349	3	68	7	11	20	37	48
091030260207	W.MIDL.CONUR	313	1	136	7	11	17	35	55
092010910207	GLASGOW|SURR	291	3	122	3	4	11	31	57
092023220207	MERSEYSIDE C	359	4	140	13	22	32	66	107
093010180207	LEEDS	359	1	219	6	11	19	48	70
093010300207	LEEDS	329	1	133	4	8	15	38	50
093020820207	SHEFFIELD	331	5	161	16	22	32	58	70
094010110207	BELFAST	364	2	198	10	16	33	68	107
094010150207	BELFAST	365	2	98	10	16	23	37	59
094020120207	CARDIFF	329	1	141	7	12	18	35	41
094030120207	EDINBURGH	365	1	116	8	12	19	47	78
094040100207	PORTSMOUTH	363	2	59	5	8	14	26	32
094050090207	TEESSIDE	353	1	185	8	13	19	42	58
094052290207	TEESSIDE	365	2	162	8	11	18	35	63
095020060207	BATH	363	2	77	9	14	20	38	53
095030100207	BEDFORD	358	1	67	4	7	12	26	37
095050050207	LINCOLN	335	2	118	7	10	15	37	61

Yearly percentiles
Pollutant 3: SPM (column caption: see A3.1)

Station code PPCVVSSSPLTM	Town name	cas no	min val	max val	25 val	50 val	75 val	95 val	98 val
022010080302	MUENCHEN, BA	337	1	250	33	45	65	115	139
022010100302	MUENCHEN, BA	310	24	221	60	75	100	143	158
022010140302	MUENCHEN, BA	305	4	143	17	26	40	71	87
022010150302	MUENCHEN, BA	328	9	170	29	42	62	97	129
022010160302	MUENCHEN, BA	352	5	147	20	31	47	76	100
023040010302	FRANKFURT-AM	315	18	158	40	53	79	113	134
023050810306	NUERNBERG, B	346	8	289	30	43	65	115	130
023050820306	NUERNBERG, B	359	5	104	20	31	45	76	86
023060010326	STUTTGART	350	1	38	5	10	14	25	31
023060020326	STUTTGART	307	1	56	6	12	21	42	49
023060030326	STUTTGART	261	3	89	7	11	22	55	68
023060040326	STUTTGART	330	5	75	10	19	31	57	68
024010710306	AUGSBURG, BA	315	6	191	24	39	56	86	99
024020540306	ERLANGEN, BA	344	5	109	27	42	46	89	95
024030220326	KARLSRUHE	281	7	91	12	18	32	60	72
024040010302	KASSEL, HESS	347	20	140	47	60	78	121	133
024050060325	LUDWIGSHAFEN	329	3	244	18	33	66	135	148
024050070325	LUDWIGSHAFEN	315	11	390	34	69	96	159	202
024050080325	LUDWIGSHAFEN	306	7	262	26	65	99	161	177
024061110326	MANNHEIM	285	6	81	13	20	29	46	59
024061120326	MANNHEIM	293	7	74	11	16	25	39	47
024070310306	REGENSBURG,	356	6	112	22	33	44	71	81
024080010302	WIESBADEN, H	263	23	194	48	63	92	136	152
024090640306	WUERZBURG, B	344	1	136	10	22	35	66	72
024100110306	INGOLSTADT,	336	5	137	23	35	54	89	106
024110850306	FUERTH, BAYE	356	6	114	23	35	52	83	99
024120030325	MAINZ	296	2	197	20	33	56	115	145
024120040325	MAINZ	331	4	243	24	39	64	122	159
024120050325	MAINZ	308	4	147	18	30	44	82	113
025010610306	ASCHAFFENBUR	348	3	108	16	25	37	65	77
025020910306	KELHEIM, BAY	308	5	117	23	31	43	75	87
025050010325	SPEIZER	337	4	199	20	37	55	105	126
026990020308	B.R. DEUTSCH	363	8	129	20	35	52	92	109
026990030308	B.R. DEUTSCH	360	6	144	22	36	63	105	124
026990040308	B.R. DEUTSCH	365	5	209	19	30	47	87	114
026990060308	B.R. DEUTSCH	358	3	162	17	27	45	80	99
026990070308	B.R. DEUTSCH	359	1	142	9	16	34	67	83
026990080308	B.R. DEUTSCH	357	8	215	23	33	49	88	107
026990090308	B.R. DEUTSCH	353	9	214	24	35	56	112	141
026990100308	B.R. DEUTSCH	362	9	128	22	32	51	83	91
026990120308	B.R. DEUTSCH	363	11	183	26	37	54	97	117
026990130308	B.R. DEUTSCH	356	7	122	18	32	48	79	97
026990140308	B.R. DEUTSCH	344	5	152	14	24	37	62	76
026990150308	B.R. DEUTSCH	361	9	148	23	36	54	90	104
026990160308	B.R. DEUTSCH	355	8	201	23	42	70	117	144
032011010347	KOBENHAVN	362	1	167	23	38	54	95	105

Yearly percentiles

Pollutant 3: SPM (column caption: see A3.1)

Station code PPCVVSSSPLTM	Town name	cas no	min val	max val	25 val	50 val	75 val	95 val	98 val
032011030347	KOBENHAVN	362	1	331	59	79	101	163	177
032012100347	KOBENHAVN	363	1	198	24	35	52	85	107
032012210347	KOBENHAVN	358	1	157	26	38	54	93	115
032013420347	KOBENHAVN	361	1	150	23	36	50	87	103
032013480347	KOBENHAVN	361	1	165	26	38	51	86	107
034018150347	AALBORG	364	2	290	42	61	95	165	197
034029150347	ODENSE	364	2	205	30	43	63	117	161
035015650347	ESBJERG	365	3	174	35	48	66	97	116
035025150347	FREDERICIA	365	2	236	36	50	67	114	138
035033510347	NAESTVED	361	1	205	38	56	78	134	164
035046350347	RANDERS	363	2	237	34	49	72	116	153
043020080316	LILLE-ROUB.-	246	2	162	37	50	65	110	144
044040040318	ROUEN	271	14	332	26	34	43	63	86
044070070318	CAEN - AGGLO	266	1	130	15	21	36	71	92
045020190318	FOS-BERRE	297	10	128	24	34	49	78	89
045040050318	DUNKERQUE	324	6	218	25	36	56	102	114
045040070318	DUNKERQUE	282	9	169	29	40	61	96	114
045040110318	DUNKERQUE	321	20	200	37	48	64	101	130
045040130318	DUNKERQUE	306	1	151	19	25	40	73	92
062010010315	TORINO	356	16	320	56	84	152	226	252
062010020315	TORINO	357	43	433	86	141	210	313	352
062010030315	TORINO	350	29	420	67	122	163	249	279
064040030315	BOLZANO	333	6	154	26	40	57	91	108

Yearly percentiles

Pollutant 4: Acid (column caption: see A3.1)

Station code PPCVVSSSPLTM	Town name	cas no	min val	max val	25 val	50 val	75 val	95 val	98 val
012010010403	BRUXELLES	365	2	243	33	51	76	109	122
012010020403	BRUXELLES	365	11	281	43	57	85	132	160
012010080403	BRUXELLES	365	2	158	24	34	49	75	83
012010140403	BRUXELLES	323	2	130	12	20	30	66	90
012010170403	BRUXELLES	333	6	166	24	32	49	80	107
012010220403	BRUXELLES	320	2	132	20	30	47	82	91
012010260403	BRUXELLES	364	5	200	28	38	59	98	130
013018010403	ANTWERPEN	340	14	312	46	67	96	160	180
013018090403	ANTWERPEN	351	14	179	43	59	82	125	139
013018120403	ANTWERPEN	351	9	285	28	43	62	104	139
013018130403	ANTWERPEN	351	7	153	38	54	76	114	126
013018180403	ANTWERPEN	349	10	227	44	69	96	144	165
013018260403	ANTWERPEN	351	20	954	55	82	118	225	302
014015010403	CHARLEROI	324	7	130	23	33	48	74	97
014015040403	CHARLEROI	351	2	193	15	23	35	78	120
014015050403	CHARLEROI	351	2	213	23	33	49	87	115
014015090403	CHARLEROI	344	2	276	20	28	48	102	147
014015130403	CHARLEROI	351	2	153	20	30	41	73	89
014015140403	CHARLEROI	350	10	168	35	45	63	99	142
014027010403	GENT	361	9	287	38	53	73	135	163
014027060403	GENT	346	4	131	21	30	45	71	90
014027070403	GENT	356	6	297	23	36	54	113	180
014027090403	GENT	352	4	274	41	60	83	146	176
014027120403	GENT	357	6	372	30	49	83	203	266
014027150403	GENT	284	2	195	13	28	49	96	124
015016050403	BRUGGE	340	2	96	11	21	32	53	66
015026030403	KORTRIJK	348	2	167	18	30	46	95	139
015033020403	LIBRAMONT	355	4	161	16	23	32	58	79
041010110411	PARIS	326	2	228	17	29	55	116	138
041010170411	PARIS	362	16	314	60	83	112	176	238
041010490411	PARIS	359	6	282	38	55	74	133	170
041010650411	PARIS	345	4	308	32	46	74	180	231
041010990411	PARIS	363	3	229	20	31	52	118	169
042010010411	LYON	292	10	227	30	44	62	123	169
042010080411	LYON	302	7	320	30	42	64	131	185
042010100411	LYON	246	1	282	28	38	58	128	143
042010160411	LYON	287	6	133	21	30	43	73	84
042020010408	MARSEILLE	299	2	172	15	29	51	97	116
043020050411	LILLE-ROUB.-	308	1	387	18	31	43	165	340
043020100408	LILLE-ROUB.-	255	1	236	20	38	58	137	183
044010010408	CLERMONT-FER	365	3	147	19	28	41	71	99
044010020408	CLERMONT-FER	363	5	104	24	33	45	69	80
044010040408	CLERMONT-FER	365	5	108	23	31	45	68	79
044010080408	CLERMONT-FER	365	8	179	32	43	64	131	138
044010320408	CLERMONT-FER	270	1	246	10	22	52	124	163
044010330408	CLERMONT-FER	337	1	160	11	23	41	95	109

Yearly percentiles
Pollutant 4: Acid (column caption: see A3.1)

Station code PPCVVSSSPLTM	Town name	cas no	min val	max val	25 val	50 val	75 val	95 val	98 val
044020210411	LE HAVRE	281	1	371	6	37	89	171	232
044020320411	LE HAVRE	335	1	652	15	36	90	208	329
044031000411	NANTES	333	1	566	3	13	37	103	180
044031030411	NANTES	304	1	101	1	1	11	49	67
044031040411	NANTES	309	1	182	1	20	52	102	123
044031060411	NANTES	324	1	111	5	15	27	44	58
044031130411	NANTES	360	1	455	1	4	12	78	182
044031150411	NANTES	360	1	301	2	7	24	100	146
044040010411	ROUEN	297	1	135	7	16	30	65	98
044040040411	ROUEN	290	1	280	24	38	57	103	142
044040060411	ROUEN	281	1	158	17	30	46	99	127
044040070411	ROUEN	295	1	238	25	43	68	117	172
044040080411	ROUEN	258	1	158	1	7	28	91	133
044040110411	ROUEN	305	1	516	36	75	187	357	410
044070070408	CAEN - AGGLO	338	1	164	21	30	44	85	115
045020190411	FOS-BERRE	323	1	137	9	16	29	62	77
045030170411	VIGNEUX DE B	356	1	97	1	6	13	31	45
053010010404	DUBLIN	365	10	139	39	53	68	91	105
053010040404	DUBLIN	365	5	234	21	39	60	129	171
053010070404	DUBLIN	357	7	199	22	32	54	92	110
053010100404	DUBLIN	353	6	120	21	30	44	75	95
053011030404	DUBLIN	364	6	119	30	38	54	86	104
055010010406	GALWAY	347	5	101	6	6	12	24	29
075013520401	LUXEMBOURG-V	261	3	96	14	22	34	62	74
075013530401	LUXEMBOURG-V	290	2	82	18	24	33	51	62
075023550401	ESCH-SUR-ALZ	287	1	57	12	20	30	47	50
075033600401	STEINFORT	322	2	123	15	23	32	45	62
091010150407	GREATER LOND	353	6	156	21	29	40	62	74
091021150407	GREATER MANC	357	7	192	34	46	68	107	130
091022130407	GREATER MANC	349	13	216	27	41	59	100	117
091030260407	W.MIDL.CONUR	312	6	166	23	35	47	86	103
092010910407	GLASGOW|SURR	290	11	171	23	37	54	91	118
092023220407	MERSEYSIDE C	359	8	235	42	59	84	152	186
093010180407	LEEDS	359	8	620	30	48	70	117	147
093010300407	LEEDS	329	13	723	31	41	62	122	172
093020820407	SHEFFIELD	330	24	199	52	66	87	137	160
094010110407	BELFAST	365	7	101	21	31	45	62	71
094010150407	BELFAST	365	12	103	35	47	59	77	84
094020120407	CARDIFF	330	11	119	24	35	41	54	64
094030120407	EDINBURGH	365	6	87	26	33	40	58	66
094040100407	PORTSMOUTH	362	13	99	28	37	51	72	85
094050090407	TEESSIDE	353	3	136	20	34	54	90	113
094052290407	TEESSIDE	340	5	88	6	7	16	46	61
095020060407	BATH	364	5	77	17	24	34	54	59
095030100407	BEDFORD	356	17	213	46	58	75	145	177
095050050407	LINCOLN	334	20	144	37	47	60	85	112

ANNUAL CHARACTERISTICS OF THE SERIES

October 1982 - September 1983

Annex 4: Annual descriptive parameters

Column caption:

Label	Explanation
station code	PPCVVSSSPLTM: PP country code C town class code VV town code SSS station code PL pollutant code TM measurement technique code
cas	number of cases reported for the year (measured values)
mean	mean ($\mu g/m^3$)
std.d	standard deviation ($\mu g/m^3$)
V	variation coefficient
skew	skewness
D	shape estimator of the frequency distribution
kurt	kurtosis

Results of this annex are presented in the form of histograms in

Fig. II.3.1 to II.3.7 ; pages 60 - 66

Annual descriptive parameters
Pollutant 1: SO_2 (column caption: see A4.1)

Station code PPCVVSSSPLTM	Town name	cas no	mean val	std.d val	V	skew	D	kurt
021010060103	BERLIN (WEST	364	74	56.3	0.76	2.19	0.80	7.9
021010080103	BERLIN (WEST	364	66	49.1	0.74	1.59	0.60	3.3
021010160103	BERLIN (WEST	364	93	65.4	0.71	2.00	0.81	6.2
021010180103	BERLIN (WEST	364	73	52.2	0.71	1.48	0.59	2.8
021010200103	BERLIN (WEST	364	73	53.8	0.74	2.17	0.83	7.2
021010280103	BERLIN (WEST	364	54	34.7	0.64	1.32	0.60	1.8
022010050104	MUENCHEN, BA	333	20	20.5	1.03	4.73	1.13	28.2
022010070104	MUENCHEN, BA	318	21	15.2	0.73	4.16	1.60	24.3
022010080104	MUENCHEN, BA	338	31	22.3	0.72	2.70	1.06	10.5
022010100104	MUENCHEN, BA	309	26	17.5	0.66	2.99	1.31	14.5
022010110104	MUENCHEN, BA	314	25	21.0	0.83	3.34	1.09	17.6
022010120104	MUENCHEN, BA	329	26	21.7	0.85	3.91	1.25	23.7
022010130104	MUENCHEN, BA	322	25	21.0	0.84	3.21	1.03	14.3
022010140104	MUENCHEN, BA	289	26	21.6	0.82	3.32	1.11	15.9
022010150104	MUENCHEN, BA	345	33	19.8	0.61	2.05	1.00	7.2
022010160104	MUENCHEN, BA	347	28	26.3	0.94	4.38	1.20	28.7
023010030105	DORTMUND	353	53	30.4	0.57	2.03	1.06	6.9
023020030105	DUISBURG	341	57	41.4	0.73	2.18	0.85	7.1
023040010106	FRANKFURT-AM	283	57	37.9	0.66	1.90	0.83	4.7
023040050107	FRANKFURT-AM	264	52	33.7	0.65	2.06	0.92	6.1
023050810109	NUERNBERG, B	351	35	28.3	0.82	2.83	0.95	12.3
023050820109	NUERNBERG, B	354	31	26.3	0.84	2.23	0.72	6.1
023050830109	NUERNBERG, B	351	35	29.5	0.84	3.01	0.97	12.9
023060010126	STUTTGART	320	32	24.2	0.76	2.66	0.98	11.4
023060020126	STUTTGART	302	33	24.1	0.74	2.09	0.80	7.2
023060030126	STUTTGART	296	30	22.6	0.75	2.45	0.92	10.4
023060040126	STUTTGART	325	29	24.9	0.86	2.26	0.70	7.4
024010710109	AUGSBURG, BA	322	40	18.6	0.47	1.95	1.29	6.5
024010720109	AUGSBURG, BA	342	20	16.2	0.80	6.36	2.20	60.9
024020540109	ERLANGEN, BA	354	50	46.2	0.93	3.11	0.86	14.1
024030220110	KARLSRUHE	285	44	29.2	0.66	1.42	0.63	1.8
024040010106	KASSEL, HESS	362	56	45.1	0.80	2.74	0.95	10.1
024050060112	LUDWIGSHAFEN	350	31	27.5	0.88	2.40	0.72	8.8
024050070112	LUDWIGSHAFEN	341	42	31.7	0.76	1.71	0.63	3.8
024050080112	LUDWIGSHAFEN	350	43	32.6	0.76	2.21	0.80	7.3
024061100110	MANNHEIM	258	54	34.8	0.65	1.46	0.66	3.0
024061110110	MANNHEIM	278	38	32.6	0.87	2.02	0.62	4.9
024061120126	MANNHEIM	264	36	27.3	0.75	2.60	0.98	9.6
024070310109	REGENSBURG,	336	28	23.0	0.82	3.18	1.05	15.0
024080010106	WIESBADEN, H	302	45	27.2	0.61	1.50	0.74	2.5
024080020106	WIESBADEN, H	353	54	32.5	0.60	1.68	0.83	3.3
024090640109	WUERZBURG, B	355	27	27.8	1.03	4.65	1.11	29.3
024090650109	WUERZBURG, B	345	31	36.7	1.20	5.00	0.94	32.7
024100110109	INGOLSTADT,	344	26	20.6	0.79	2.95	1.03	12.4
024110850109	FUERTH, BAYE	330	33	28.7	0.88	2.47	0.75	8.1
024120030112	MAINZ	350	41	44.4	1.09	2.60	0.57	8.1

Annual descriptive parameters
Pollutant 1: SO_2 (column caption: see A4.1)

Station code PPCVVSSSPLTM	Town name	cas no	mean val	std.d val	V	skew	D	kurt
024120040112	MAINZ	339	33	27.2	0.83	2.28	0.74	6.7
024120050112	MAINZ	354	36	32.4	0.90	2.99	0.88	12.8
025010610109	ASCHAFFENBUR	338	27	17.5	0.64	2.10	0.96	5.7
025020910109	KELHEIM, BAY	335	25	14.3	0.58	1.92	0.99	6.0
025020920109	KELHEIM, BAY	347	23	19.6	0.85	4.26	1.35	27.8
026990010113	B.R. DEUTSCH	359	5	8.1	1.50	4.70	0.59	32.7
026990020113	B.R. DEUTSCH	353	10	21.6	2.18	5.06	0.30	33.4
026990030113	B.R. DEUTSCH	363	14	20.5	1.45	4.84	0.66	31.0
026990040113	B.R. DEUTSCH	365	13	15.7	1.17	3.81	0.74	20.0
026990060113	B.R. DEUTSCH	363	9	11.4	1.27	3.33	0.57	15.0
026990070113	B.R. DEUTSCH	363	4	7.4	2.10	7.01	0.45	63.9
026990080113	B.R. DEUTSCH	365	9	17.6	2.05	6.87	0.47	60.8
026990090113	B.R. DEUTSCH	360	18	25.0	1.42	4.62	0.65	29.7
026990100113	B.R. DEUTSCH	340	20	23.2	1.14	4.09	0.83	28.8
026990120113	B.R. DEUTSCH	344	20	22.2	1.09	2.46	0.54	8.1
026990130113	B.R. DEUTSCH	356	7	14.6	1.99	5.20	0.38	36.4
026990140113	B.R. DEUTSCH	349	6	14.5	2.26	6.16	0.34	47.3
026990150113	B.R. DEUTSCH	363	19	27.8	1.46	3.86	0.51	17.9
026990160113	B.R. DEUTSCH	358	34	60.0	1.75	3.68	0.35	15.6
032011010127	KOBENHAVN	328	21	14.5	0.68	1.41	0.60	3.1
032011030127	KOBENHAVN	337	34	17.0	0.50	1.20	0.74	3.3
032011030128	KOBENHAVN	336	39	17.9	0.46	0.98	0.67	1.4
032012100127	KOBENHAVN	331	17	11.9	0.69	1.58	0.65	4.3
032012210127	KOBENHAVN	327	24	18.0	0.77	1.88	0.68	5.9
032013420127	KOBENHAVN	331	13	11.1	0.86	2.13	0.66	5.4
032013480127	KOBENHAVN	345	21	18.4	0.88	2.00	0.62	8.0
034018150127	AALBORG	351	21	13.4	0.65	1.16	0.52	2.1
034029150127	ODENSE	347	20	16.3	0.83	3.82	1.25	23.0
035015650127	ESBJERG	351	12	9.6	0.79	2.62	0.91	11.5
035025150127	FREDERICIA	348	17	12.1	0.72	2.65	1.04	11.9
035033510127	NAESTVED	349	24	19.5	0.82	2.13	0.71	7.8
035046350127	RANDERS	350	13	9.7	0.72	1.97	0.78	6.4
042010180137	LYON	336	30	53.6	1.79	6.16	0.55	48.0
042010210137	LYON	299	63	61.7	0.99	2.76	0.70	12.2
042020140136	MARSEILLE	309	67	59.5	0.89	2.90	0.86	12.3
042020180136	MARSEILLE	296	49	41.3	0.84	1.79	0.57	4.3
042022040136	MARSEILLE	310	66	45.2	0.68	1.46	0.62	3.7
042022060136	MARSEILLE	265	61	47.5	0.77	1.20	0.43	1.5
043020040136	LILLE-ROUB.-	320	37	39.1	1.07	2.86	0.65	13.4
043020050136	LILLE-ROUB.-	275	33	28.7	0.87	2.04	0.62	5.9
043020070136	LILLE-ROUB.-	303	43	50.6	1.19	2.38	0.46	6.6
043020100135	LILLE-ROUB.-	317	52	40.6	0.79	1.92	0.67	5.8
043020230136	LILLE-ROUB.-	291	58	45.9	0.80	1.44	0.50	2.1
045040050135	DUNKERQUE	330	49	38.9	0.79	1.23	0.43	1.4
045040070136	DUNKERQUE	305	40	29.9	0.74	0.93	0.35	0.8
045040110135	DUNKERQUE	324	25	26.7	1.07	2.68	0.60	12.8

Annual descriptive parameters
Pollutant 1: SO_2 (column caption: see A4.1)

Station code PPCVVSSSPLTM	Town name	cas no	mean val	std.d val	V	skew	D	kurt
045040130135	DUNKERQUE	306	14	22.7	1.59	3.88	0.44	18.1
061010100120	MILANO	258	149	174.7	1.17	1.56	0.30	2.0
061010130120	MILANO	252	107	108.5	1.02	1.57	0.38	2.7
061010140120	MILANO	268	108	120.4	1.11	1.53	0.33	2.0
061010160120	MILANO	259	184	219.5	1.19	2.10	0.40	5.0
062010010122	TORINO	347	121	125.3	1.03	1.61	0.38	1.7
064040020121	BOLZANO	342	72	60.9	0.85	2.62	0.83	9.0
083015160102	AMSTERDAM	290	23	16.6	0.72	1.30	0.51	2.2
083015180102	AMSTERDAM	244	23	16.8	0.74	2.23	0.84	6.5
083015200102	AMSTERDAM	294	25	19.5	0.79	1.94	0.68	6.1
083015210102	AMSTERDAM	269	22	13.8	0.64	1.80	0.83	5.3
083015230102	AMSTERDAM	283	25	17.1	0.69	1.91	0.80	5.4
083015250102	AMSTERDAM	267	22	15.0	0.68	2.17	0.92	7.2
083024040102	DEN HAAG	348	27	21.5	0.80	1.75	0.60	3.9
083024050102	DEN HAAG	335	17	14.0	0.82	1.77	0.59	3.3
083034180102	ROTTERDAM	335	35	23.4	0.66	1.09	0.48	1.9
083034230102	ROTTERDAM	327	27	19.8	0.73	1.73	0.67	4.3
084018140102	ENSCHEDE	338	17	16.0	0.93	2.59	0.72	8.2
084029080102	GRONINGEN	279	9	7.9	0.85	1.51	0.48	2.2
084032130102	TILBURG	300	32	20.5	0.64	1.74	0.80	3.3
084032140102	TILBURG	329	21	17.1	0.82	2.28	0.76	6.8
084046070102	UTRECHT	322	22	16.2	0.73	1.51	0.58	2.4
084046100102	UTRECHT	334	21	14.2	0.68	1.46	0.61	3.0
085015280102	BUSSUM	262	18	13.0	0.72	1.48	0.59	2.1
085022040102	DEN BOSCH	332	29	19.8	0.69	1.97	0.83	5.1
085035300102	HILVERSUM	280	19	12.0	0.63	1.93	0.90	5.7
085041210102	MAASTRICHT	296	28	25.1	0.89	3.03	0.90	10.9
085053040102	MIDDELBURG	339	25	19.8	0.81	1.78	0.60	3.5
085068060102	ZWOLLE	341	19	15.8	0.85	2.17	0.69	6.2
086991240102	LIG.ACHTERGR	318	21	21.7	1.08	4.12	0.95	20.9
086992060102	LIG.ACHTERGR	286	19	16.3	0.87	2.53	0.77	7.6
086993120102	LIG.ACHTERGR	299	28	22.9	0.83	1.99	0.65	5.2
086995010102	LIG.ACHTERGR	284	9	9.7	1.10	4.20	0.90	30.5
086996170102	LIG.ACHTERGR	322	11	12.4	1.14	2.82	0.58	11.1
086998150102	LIG.ACHTERGR	318	17	17.5	1.04	2.58	0.61	8.6
086999010102	LIG.ACHTERGR	332	9	10.1	1.10	2.80	0.60	10.0

Annual descriptive parameters
Pollutant 2: Smoke (column caption: see A4.1)

Station code PPCVVSSSPLTM	Town name	cas no	mean val	std.d val	V	skew	D	kurt
012010010203	BRUXELLES	365	15	9.6	0.63	1.02	0.47	0.8
012010020203	BRUXELLES	365	29	14.9	0.51	1.57	0.94	3.9
012010080203	BRUXELLES	365	12	7.0	0.61	1.69	0.83	4.1
012010140203	BRUXELLES	323	9	6.4	0.69	1.58	0.66	3.0
012010170203	BRUXELLES	333	15	8.8	0.60	3.29	1.65	22.8
012010220203	BRUXELLES	320	20	11.9	0.60	1.76	0.88	6.3
012010260203	BRUXELLES	364	17	9.6	0.58	1.38	0.72	2.4
013018010203	ANTWERPEN	339	16	8.5	0.55	2.03	1.12	8.6
013018090203	ANTWERPEN	351	29	12.0	0.41	0.83	0.65	1.1
013018120203	ANTWERPEN	351	13	8.6	0.64	1.67	0.77	4.3
013018130203	ANTWERPEN	351	15	9.1	0.62	1.37	0.65	2.4
013018180203	ANTWERPEN	350	15	10.4	0.68	1.91	0.80	4.3
013018260203	ANTWERPEN	351	11	8.7	0.76	1.98	0.73	5.7
014015010203	CHARLEROI	325	17	12.7	0.77	2.57	0.93	11.2
014015040203	CHARLEROI	351	18	13.7	0.78	1.92	0.68	4.8
014015050203	CHARLEROI	351	22	13.1	0.60	1.19	0.59	1.3
014015090203	CHARLEROI	344	16	13.8	0.85	2.36	0.75	7.2
014015130203	CHARLEROI	351	13	8.5	0.66	1.80	0.79	4.1
014015140203	CHARLEROI	351	17	9.8	0.57	1.66	0.88	4.1
014027010203	GENT	361	16	9.3	0.60	2.14	1.06	10.2
014027060203	GENT	346	8	5.2	0.61	1.35	0.66	2.3
014027070203	GENT	356	24	15.2	0.62	1.68	0.79	4.3
014027090203	GENT	352	10	5.8	0.60	1.14	0.57	2.0
014027120203	GENT	357	18	12.5	0.70	1.82	0.75	4.5
014027150203	GENT	284	13	8.1	0.65	1.35	0.61	1.9
015016050203	BRUGGE	340	12	7.3	0.60	1.34	0.66	2.7
015026030203	KORTRIJK	349	25	12.9	0.51	1.39	0.84	3.4
015033020203	LIBRAMONT	357	7	4.8	0.72	1.86	0.73	4.3
041010110210	PARIS	340	35	25.7	0.73	1.94	0.76	5.2
041010170210	PARIS	364	35	22.8	0.65	2.29	1.04	7.6
041010490210	PARIS	364	36	22.1	0.61	2.55	1.24	10.8
041010650210	PARIS	348	33	22.0	0.66	1.86	0.82	4.2
041010990210	PARIS	364	42	25.2	0.60	2.98	1.48	13.9
042020010210	MARSEILLE	301	31	19.6	0.64	1.45	0.66	3.7
042020140210	MARSEILLE	308	25	17.4	0.71	1.25	0.51	1.5
042020180210	MARSEILLE	346	38	24.0	0.63	1.16	0.54	1.5
042022040210	MARSEILLE	348	67	31.4	0.47	0.34	0.23	-0.3
042022060210	MARSEILLE	360	31	20.9	0.68	1.47	0.62	3.7
044010010210	CLERMONT-FER	364	15	15.3	1.03	2.97	0.71	11.2
044010020210	CLERMONT-FER	359	17	14.8	0.89	2.58	0.78	9.8
044010040210	CLERMONT-FER	365	7	6.7	0.96	2.67	0.72	11.8
044010080210	CLERMONT-FER	365	6	6.8	1.05	5.53	1.29	55.4
044010320210	CLERMONT-FER	365	30	19.5	0.84	1.90	0.86	5.6
044010330210	CLERMONT-FER	348	16	11.8	0.73	1.86	0.72	4.2
044020470210	LE HAVRE	328	26	18.8	0.72	2.80	1.10	14.3
044031040210	NANTES	362	18	6.9	0.38	-0.18	-0.15	0.0

Annual descriptive parameters
Pollutant 2: Smoke (column caption: see A4.1)

Station code PPCVVSSSPLTM	Town name	cas no	mean val	std.d val	V	skew	D	kurt
044031060210	NANTES	319	10	4.6	0.44	-0.20	-0.14	-0.9
044040010210	ROUEN	269	16	11.4	0.72	1.87	0.74	5.1
044040040210	ROUEN	365	35	18.8	0.53	2.41	1.38	10.2
044040060210	ROUEN	302	20	17.1	0.86	3.97	1.23	23.9
044040070210	ROUEN	244	18	10.7	0.60	1.55	0.77	3.0
044040110210	ROUEN	277	17	9.7	0.58	1.87	0.97	4.6
044042080210	ROUEN	321	16	12.3	0.78	2.89	1.03	15.3
053010010204	DUBLIN	364	49	37.7	0.76	3.33	1.22	16.4
053010040204	DUBLIN	365	42	47.2	1.12	3.88	0.81	19.3
053010070204	DUBLIN	356	23	28.4	1.21	3.83	0.71	21.1
053010100204	DUBLIN	338	28	33.6	1.19	3.34	0.64	18.4
053011030204	DUBLIN	365	35	32.6	0.92	2.77	0.78	10.7
055010010206	GALWAY	351	16	15.5	0.95	2.42	0.65	7.7
055020020205	CORK COUNTY	358	4	4.0	1.12	3.31	0.69	15.2
075013520201	LUXEMBOURG-V	261	16	7.4	0.46	1.16	0.78	1.8
075013530201	LUXEMBOURG-V	290	13	8.0	0.62	1.28	0.61	1.6
075023550201	ESCH-SUR-ALZ	287	10	5.4	0.53	0.93	0.54	1.2
075033600201	STEINFORT	322	11	5.9	0.52	1.27	0.74	2.6
091010150207	GREATER LOND	361	16	13.6	0.85	2.89	0.91	13.1
091021150207	GREATER MANC	360	10	8.1	0.78	2.83	1.01	13.4
091022130207	GREATER MANC	349	14	11.2	0.78	1.63	0.57	2.9
091030260207	W.MIDL.CONUR	313	15	14.2	0.97	4.20	1.10	26.0
092010910207	GLASGOW|SURR	291	10	14.9	1.49	4.47	0.58	23.7
092023220207	MERSEYSIDE C	359	27	21.9	0.83	2.57	0.85	8.3
093010180207	LEEDS	359	16	20.2	1.23	4.77	0.86	34.9
093010300207	LEEDS	329	12	15.4	1.25	3.90	0.68	21.5
093020820207	SHEFFIELD	331	27	17.7	0.66	2.74	1.20	12.9
094010110207	BELFAST	364	25	24.6	0.98	2.81	0.73	11.3
094010150207	BELFAST	365	18	12.9	0.71	2.44	0.98	9.1
094020120207	CARDIFF	329	14	11.5	0.79	4.78	1.66	44.3
094030120207	EDINBURGH	365	17	17.7	1.02	2.87	0.70	9.8
094040100207	PORTSMOUTH	363	11	8.3	0.79	2.17	0.75	6.7
094050090207	TEESSIDE	353	17	16.7	1.01	4.51	1.12	32.8
094052290207	TEESSIDE	365	15	14.5	0.96	4.60	1.23	33.2
095020060207	BATH	363	16	11.9	0.72	2.20	0.86	6.5
095030100207	BEDFORD	358	10	9.4	0.98	2.73	0.70	10.2
095050050207	LINCOLN	335	14	14.4	1.02	3.91	0.95	19.3

Annual descriptive parameters
Pollutant 3: SPM (column caption: see A4.1)

Station code PPCVVSSSPLTM	Town name	cas no	mean val	std.d val	V	skew	D	kurt
022010080302	MUENCHEN, BA	337	53	31.6	0.59	2.00	1.01	6.5
022010100302	MUENCHEN, BA	310	83	32.1	0.39	1.05	0.86	1.3
022010140302	MUENCHEN, BA	305	31	20.8	0.66	1.75	0.76	4.6
022010150302	MUENCHEN, BA	328	49	27.5	0.57	1.22	0.65	1.8
022010160302	MUENCHEN, BA	352	36	22.7	0.63	1.50	0.70	3.6
023040010302	FRANKFURT-AM	315	61	28.2	0.46	0.96	0.64	0.6
023050810306	NUERNBERG, B	346	52	31.1	0.60	2.13	1.06	9.5
023050820306	NUERNBERG, B	359	35	19.8	0.56	0.98	0.53	0.6
023060010326	STUTTGART	350	11	7.3	0.68	1.12	0.48	1.2
023060020326	STUTTGART	307	15	11.7	0.77	1.20	0.43	1.1
023060030326	STUTTGART	261	18	16.1	0.89	1.91	0.56	3.6
023060040326	STUTTGART	330	23	15.3	0.67	1.24	0.54	1.2
024010710306	AUGSBURG, BA	315	42	24.3	0.58	1.34	0.70	4.0
024020540306	ERLANGEN, BA	344	42	21.5	0.51	0.88	0.53	0.6
024030220326	KARLSRUHE	281	24	16.8	0.70	1.65	0.68	2.7
024040010302	KASSEL, HESS	347	66	26.2	0.40	0.88	0.71	0.2
024050060325	LUDWIGSHAFEN	329	47	38.6	0.83	1.60	0.52	3.1
024050070325	LUDWIGSHAFEN	315	74	51.9	0.70	1.89	0.77	6.8
024050080325	LUDWIGSHAFEN	306	69	48.3	0.70	0.76	0.31	0.0
024061110326	MANNHEIM	285	23	12.9	0.56	1.50	0.80	2.9
024061120326	MANNHEIM	293	19	10.8	0.56	1.66	0.90	3.9
024070310306	REGENSBURG,	356	35	17.8	0.50	1.06	0.65	1.4
024080010302	WIESBADEN, H	263	73	33.4	0.46	0.85	0.58	0.1
024090640306	WUERZBURG, B	344	25	19.4	0.77	1.47	0.53	3.7
024100110306	INGOLSTADT,	336	41	24.7	0.60	1.03	0.51	0.8
024110850306	FUERTH, BAYE	356	40	21.7	0.55	0.95	0.53	0.6
024120030325	MAINZ	296	43	33.2	0.77	1.69	0.61	3.2
024120040325	MAINZ	331	49	37.0	0.75	1.97	0.73	5.4
024120050325	MAINZ	308	36	24.3	0.68	1.61	0.69	3.2
025010610306	ASCHAFFENBUR	348	29	17.1	0.59	1.32	0.66	2.1
025020910306	KELHEIM, BAY	308	35	18.3	0.52	1.34	0.79	2.3
025050010325	SPEIZER	337	44	31.3	0.72	1.61	0.64	3.3
026990020308	B.R. DEUTSCH	363	40	24.9	0.63	1.11	0.52	1.0
026990030308	B.R. DEUTSCH	360	45	29.3	0.65	1.09	0.49	0.6
026990040308	B.R. DEUTSCH	365	37	26.6	0.73	1.97	0.77	6.1
026990060308	B.R. DEUTSCH	358	34	24.2	0.72	1.61	0.64	3.6
026990070308	B.R. DEUTSCH	359	23	21.5	0.92	1.77	0.50	3.9
026990080308	B.R. DEUTSCH	357	40	26.4	0.65	2.39	1.07	9.4
026990090308	B.R. DEUTSCH	353	46	33.0	0.71	1.86	0.75	4.3
026990100308	B.R. DEUTSCH	362	39	22.1	0.57	1.14	0.60	1.1
026990120308	B.R. DEUTSCH	363	45	27.0	0.60	1.61	0.79	3.0
026990130308	B.R. DEUTSCH	356	36	21.8	0.61	1.06	0.52	1.1
026990140308	B.R. DEUTSCH	344	28	19.3	0.69	2.11	0.88	7.6
026990150308	B.R. DEUTSCH	361	42	25.0	0.60	1.16	0.58	1.3
026990160308	B.R. DEUTSCH	355	51	34.4	0.66	1.20	0.51	1.5
032011010347	KOBENHAVN	362	40	27.3	0.68	0.97	0.41	1.9

Annual descriptive parameters
Pollutant 3: SPM (column caption: see A4.1)

Station code PPCVVSSSPLTM	Town name	cas no	mean val	std.d val	V	skew	D	kurt
032011030347	KOBENHAVN	362	81	41.9	0.52	0.73	0.43	3.2
032012100347	KOBENHAVN	363	39	26.9	0.68	1.42	0.60	4.4
032012210347	KOBENHAVN	358	42	27.1	0.65	1.06	0.48	1.9
032013420347	KOBENHAVN	361	39	24.9	0.64	1.26	0.57	2.8
032013480347	KOBENHAVN	361	41	24.2	0.59	1.09	0.55	2.6
034016150347	AALBORG	364	71	46.4	0.65	1.08	0.48	1.8
034029150347	ODENSE	364	49	34.0	0.69	1.63	0.68	4.1
035015650347	ESBJERG	365	50	27.5	0.55	0.61	0.34	1.5
035025150347	FREDERICIA	365	54	34.3	0.63	1.65	0.77	5.5
035033510347	NAESTVED	361	62	38.3	0.62	1.01	0.48	1.8
035046350347	RANDERS	363	55	36.6	0.66	1.34	0.58	3.6
043020080318	LILLE-ROUB.-	246	54	28.8	0.53	1.14	0.65	2.1
044040040318	ROUEN	271	38	23.0	0.61	8.05	3.91	96.6
044070070318	CAEN - AGGLO	268	29	21.6	0.73	1.70	0.66	3.3
045020190318	FOS-BERRE	297	39	20.5	0.52	1.22	0.72	1.6
045040050318	DUNKERQUE	324	45	28.4	0.63	1.86	0.86	5.6
045040070318	DUNKERQUE	282	47	25.8	0.54	1.41	0.79	2.4
045040110318	DUNKERQUE	321	54	24.8	0.46	1.82	1.23	5.4
045040130318	DUNKERQUE	306	32	21.3	0.67	1.83	0.80	4.8
062010010315	TORINO	356	106	67.0	0.63	0.56	0.26	-0.3
062010020315	TORINO	357	156	87.1	0.56	0.66	0.36	-0.2
062010030315	TORINO	350	124	69.4	0.56	0.65	0.35	0.3
064040030315	BOLZANO	333	43	25.9	0.60	0.80	0.39	0.9

Annual descriptive parameters
Pollutant 4: Acid (column caption: see A4.1)

Station code PPCVVSSSPLTM	Town name	cas no	mean val	std.d val	V	skew	D	kurt
012010010403	BRUXELLES	365	56	31.3	0.56	1.23	0.67	3.5
012010020403	BRUXELLES	365	67	37.3	0.56	1.83	0.99	5.7
012010080403	BRUXELLES	365	37	20.5	0.55	1.36	0.75	3.6
012010140403	BRUXELLES	323	25	20.1	0.81	2.32	0.79	6.8
012010170403	BRUXELLES	333	40	23.5	0.59	1.88	0.95	4.8
012010220403	BRUXELLES	320	35	22.9	0.65	1.14	0.51	1.2
012010260403	BRUXELLES	364	47	29.5	0.63	1.81	0.84	4.4
013018010403	ANTWERPEN	340	75	42.1	0.56	1.54	0.83	3.9
013018090403	ANTWERPEN	351	66	30.4	0.46	0.91	0.62	0.6
013018120403	ANTWERPEN	351	50	32.4	0.65	2.61	1.18	11.6
013018130403	ANTWERPEN	351	59	28.0	0.48	0.75	0.49	0.2
013018180403	ANTWERPEN	349	73	37.6	0.51	0.83	0.50	1.0
013018260403	ANTWERPEN	351	100	79.3	0.79	4.70	1.63	39.8
014015010403	CHARLEROI	324	38	20.7	0.55	1.56	0.86	3.7
014015040403	CHARLEROI	351	30	27.3	0.90	3.21	0.93	13.5
014015050403	CHARLEROI	351	40	28.2	0.71	2.61	1.04	9.8
014015090403	CHARLEROI	344	40	37.1	0.94	3.10	0.86	12.8
014015130403	CHARLEROI	351	34	21.4	0.63	1.92	0.89	6.2
014015140403	CHARLEROI	350	51	26.1	0.51	1.78	1.06	4.1
014027010403	GENT	361	60	37.2	0.62	2.01	0.96	6.3
014027060403	GENT	346	35	20.1	0.57	1.23	0.65	2.1
014027070403	GENT	356	46	40.5	0.88	2.93	0.88	11.7
014027090403	GENT	352	69	39.9	0.58	1.71	0.89	4.3
014027120403	GENT	357	68	59.9	0.89	2.15	0.64	5.2
014027150403	GENT	284	36	31.3	0.88	1.59	0.48	3.5
015016050403	BRUGGE	340	23	16.3	0.70	1.11	0.46	1.9
015026030403	KORTRIJK	348	37	28.7	0.78	1.88	0.67	4.7
015033020403	LIBRAMONT	355	27	17.4	0.65	2.78	1.25	13.7
041010110411	PARIS	326	42	36.6	0.88	1.64	0.50	3.2
041010170411	PARIS	362	93	47.1	0.51	1.60	0.97	4.0
041010490411	PARIS	359	63	37.6	0.60	2.07	1.03	6.7
041010650411	PARIS	345	63	52.1	0.82	1.96	0.65	4.2
041010990411	PARIS	363	44	39.4	0.90	2.09	0.62	5.1
042010010411	LYON	292	53	35.0	0.67	1.98	0.87	5.1
042010080411	LYON	302	54	41.4	0.77	2.78	1.00	10.9
042010100411	LYON	246	51	37.8	0.75	2.26	0.85	7.8
042010160411	LYON	287	35	20.1	0.58	1.84	0.96	4.9
042020010408	MARSEILLE	299	37	30.5	0.82	1.52	0.50	2.7
043020050411	LILLE-ROUB.-	308	45	63.0	1.39	3.63	0.53	14.0
043020100408	LILLE-ROUB.-	255	47	43.6	0.93	1.96	0.55	4.7
044010010408	CLERMONT-FER	365	33	21.4	0.65	1.51	0.68	3.5
044010020408	CLERMONT-FER	363	36	18.4	0.52	0.75	0.45	0.9
044010040408	CLERMONT-FER	365	34	18.0	0.53	0.89	0.50	1.2
044010080408	CLERMONT-FER	365	53	32.8	0.62	1.51	0.71	2.1
044010320408	CLERMONT-FER	270	38	40.8	1.07	1.95	0.44	4.3
044010330408	CLERMONT-FER	337	32	28.7	0.90	1.54	0.45	2.2

Annual descriptive parameters
Pollutant 4: Acid (column caption: see A4.1)

Station code PPCVVSSSPLTM	Town name	cas no	mean val	std.d val	V	skew	D	kurt
044020210411	LE HAVRE	281	58	64.8	1.13	1.69	0.35	3.5
044020320411	LE HAVRE	335	67	82.4	1.23	2.95	0.53	12.4
044031000411	NANTES	333	30	52.5	1.74	5.13	0.49	39.4
044031030411	NANTES	304	10	17.2	1.75	2.63	0.25	7.4
044031040411	NANTES	309	32	34.5	1.09	1.45	0.31	2.2
044031060411	NANTES	324	18	15.8	0.87	1.48	0.45	4.1
044031130411	NANTES	360	18	46.9	2.55	5.46	0.22	36.3
044031150411	NANTES	360	22	40.0	1.81	3.87	0.34	19.4
044040010411	ROUEN	297	23	22.9	1.01	2.02	0.50	5.1
044040040411	ROUEN	290	45	33.6	0.74	2.22	0.84	9.3
044040060411	ROUEN	281	36	29.6	0.82	1.72	0.58	3.5
044040070411	ROUEN	295	51	40.0	0.79	1.59	0.56	3.8
044040080411	ROUEN	258	21	30.7	1.48	2.28	0.30	5.2
044040110411	ROUEN	305	121	112.1	0.93	1.20	0.33	0.8
044070070408	CAEN - AGGLO	338	36	24.2	0.67	2.04	0.88	5.6
045020190411	FOS-BERRE	323	22	20 6	0.92	2.14	0.60	6.6
045030170411	VIGNEUX DE B	356	10	12.2	1.27	2.83	0.48	11.9
053010010404	DUBLIN	365	55	21.0	0.38	0.63	0.53	0.6
053010040404	DUBLIN	365	48	37.8	0.79	1.82	0.64	3.8
053010070404	DUBLIN	357	40	26.7	0.66	1.58	0.69	4.0
053010100404	DUBLIN	353	35	20.9	0.59	1.28	0.65	1.8
053011030404	DUBLIN	364	43	21.0	0.49	0.98	0.62	1.0
055010010406	GALWAY	347	11	8.0	0.75	4.86	1.83	45.2
075013520401	LUXEMBOURG-V	261	27	17.9	0.67	1.24	0.54	1.3
075013530401	LUXEMBOURG-V	290	27	13.7	0.52	1.02	0.60	1.4
075023550401	ESCH-SUR-ALZ	287	22	12.7	0.58	0.55	0.29	-0.5
075033600401	STEINFORT	322	25	15.9	0.63	2.76	1.29	12.3
091010150407	GREATER LOND	353	32	17.7	0.55	1.75	0.97	7.0
091021150407	GREATER MANC	357	53	27.3	0.52	1.26	0.75	2.1
091022130407	GREATER MANC	349	48	26.9	0.56	1.96	1.05	6.8
091030260407	W.MIDL.CONUR	312	40	23.7	0.59	1.52	0.77	3.4
092010910407	GLASGOW|SURR	290	42	25.4	0.60	1.49	0.74	3.0
092023220407	MERSEYSIDE C	359	68	40.6	0.59	1.41	0.71	2.1
093010180407	LEEDS	359	56	47.8	0.85	6.15	1.95	60.3
093010300407	LEEDS	329	55	50.4	0.92	7.79	2.19	93.1
093020820407	SHEFFIELD	330	73	32.0	0.44	1.31	0.93	2.0
094010110407	BELFAST	365	34	15.9	0.47	0.79	0.52	0.7
094010150407	BELFAST	365	47	17.5	0.37	0.25	0.21	-0.3
094020120407	CARDIFF	330	34	13.5	0.39	1.35	1.09	5.1
094030120407	EDINBURGH	365	34	14.2	0.42	0.45	0.34	0.6
094040100407	PORTSMOUTH	362	40	16.3	0.40	0.87	0.69	0.7
094050090407	TEESSIDE	353	41	26.4	0.65	1.15	0.52	1.2
094052290407	TEESSIDE	340	14	14.2	0.99	2.35	0.60	5.8
095020060407	BATH	364	27	13.8	0.51	0.80	0.48	0.2
095030100407	BEDFORD	358	66	33.8	0.51	2.01	1.21	4.7
095050050407	LINCOLN	334	51	20.7	0.41	1.53	1.19	3.7

ANNUAL CHARACTERISTICS OF THE SERIES

October 1982 - September 1983

Annex 5: First characteristics of the time series (selected series)

Column caption:

Label	Explanation
station code	PPCVVSSSPLTM: PP country code C town class code VV town code SSS station code PL pollutant code TM measurement technique code
S/W	ratio of the number of summer to winter measurements
50,98	winter and summer percentiles ($\mu g/m^3$) winter: October 82 to March 83 summer: April to September 83
slope, int.	slope ($\mu g/m^3$/100 days) and intercept ($\mu g/m^3$) of the regression line computed for the yearly series.
persist.	number of 3 days persistence for a concentration value higher than 125 $\mu g/m^3$.

Results of this annex are graphically presented in

Fig. II.4.1 to II.4.8 ; pages 67 - 70
Fig. II.4.9 to II.4.12 ; 71 - 74

First characteristics of the time series
Pollutant 1: SO_2 (column caption: see A5.1)

Station code	Town	S/W	summer		winter		regression		persist.
PPCVVSSSPLTM		no	50	98	50	98	slope	int.	no
021010060103	BERLIN (WEST	1.00	40	110	90	240	-24	117	7
021010080103	BERLIN (WEST	1.00	40	150	70	230	-19	101	7
021010160103	BERLIN (WEST	1.00	50	130	120	330	-31	149	38
021010180103	BERLIN (WEST	1.00	40	110	90	250	-24	118	14
021010200103	BERLIN (WEST	1.00	40	100	90	260	-25	119	11
021010280103	BERLIN (WEST	1.00	30	70	70	170	-17	86	1
022010050104	MUENCHEN, BA	1.06	13	22	15	108	-3	25	0
022010070104	MUENCHEN, BA	1.00	13	34	19	77	-2	24	0
022010080104	MUENCHEN, BA	0.95	18	48	32	127	-6	41	0
022010100104	MUENCHEN, BA	1.03	16	40	28	85	-6	37	0
022010110104	MUENCHEN, BA	0.94	13	31	28	103	-8	40	0
022010120104	MUENCHEN, BA	0.99	14	32	27	97	-6	37	0
022010130104	MUENCHEN, BA	0.86	14	31	23	99	-5	34	0
022010140104	MUENCHEN, BA	0.83	13	29	27	103	-6	37	0
022010150104	MUENCHEN, BA	1.02	24	56	33	102	-5	42	0
022010160104	MUENCHEN, BA	1.04	16	53	24	140	-4	36	1
023010030105	DORTMUND	1.03	40	90	50	180	-7	66	1
023020030105	DUISBURG	1.16	40	110	60	220	-8	73	6
023040010106	FRANKFURT-AM	1.08	34	83	70	194	-20	97	5
023040050107	FRANKFURT-AM	1.51	35	89	58	187	-7	66	4
023050810109	NUERNBERG, B	1.03	17	63	40	147	-10	53	0
023050820109	NUERNBERG, B	1.02	13	86	32	133	-6	43	0
023050830109	NUERNBERG, B	0.97	21	87	30	135	-1	37	0
023060010126	STUTTGART	0.92	21	47	30	113	-4	40	0
023060020126	STUTTGART	1.01	19	44	40	122	-10	51	0
023060030126	STUTTGART	0.80	21	41	30	113	-5	39	0
023060040126	STUTTGART	0.97	17	42	30	112	-6	40	0
024010710109	AUGSBURG, BA	0.88	37	71	37	111	-3	45	0
024010720109	AUGSBURG, BA	1.09	13	28	22	92	-5	29	0
024020540109	ERLANGEN, BA	0.99	24	68	59	232	-16	79	4
024030220110	KARLSRUHE	0.89	28	61	50	120	-11	63	0
024040010106	KASSEL, HESS	0.99	39	113	52	239	-8	71	8
024050060112	LUDWIGSHAFEN	1.03	21	80	23	136	-2	34	0
024050070112	LUDWIGSHAFEN	0.93	28	114	37	147	-0	42	0
024050080112	LUDWIGSHAFEN	0.99	31	97	37	167	-2	47	1
024061100110	MANNHEIM	1.15	32	87	61	178	-16	85	0
024061110110	MANNHEIM	1.00	25	74	40	150	-4	45	0
024061120126	MANNHEIM	1.10	26	63	30	154	-3	42	0
024070310109	REGENSBURG,	0.86	15	50	28	112	-6	38	0
024080010106	WIESBADEN, H	0.94	28	71	49	139	-9	61	0
024080020106	WIESBADEN, H	0.99	35	71	64	155	-14	79	3
024090640109	WUERZBURG, B	0.97	16	53	22	142	-3	32	1
024090650109	WUERZBURG, B	1.04	15	50	29	209	-6	42	3
024100110109	INGOLSTADT,	0.94	15	45	24	100	-5	35	0
024110850109	FUERTH, BAYE	0.86	15	94	28	125	-0	33	0
024120030112	MAINZ	1.02	20	84	33	241	-7	54	10

First characteristics of the time series

Pollutant 1: SO_2 (column caption: see A5.1)

Station code	Town	S/W	summer		winter		regression		persist.
PPCVVSSSPLTM		no	50	98	50	98	slope	int.	no
024120040112	MAINZ	1.07	26	80	25	147	1	31	2
024120050112	MAINZ	0.99	23	67	32	156	-5	48	3
025010610109	ASCHAFFENBUR	0.97	16	72	25	87	-2	31	0
025020910109	KELHEIM, BAY	1.02	24	62	17	67	4	18	0
025020920109	KELHEIM, BAY	1.01	18	60	15	106	0	23	0
026990010113	B.R. DEUTSCH	0.99	2	16	4	35	-2	9	0
026990020113	B.R. DEUTSCH	0.98	1	27	5	80	-2	13	0
026990030113	B.R. DEUTSCH	1.02	7	30	11	117	-2	18	0
026990040113	B.R. DEUTSCH	1.01	7	33	11	75	-2	17	0
026990060113	B.R. DEUTSCH	1.01	4	25	7	50	-0	10	0
026990070113	B.R. DEUTSCH	1.02	1	12	1	30	-1	5	0
026990080113	B.R. DEUTSCH	1.01	1	23	7	59	-3	14	1
026990090113	B.R. DEUTSCH	0.98	7	52	13	124	-5	28	1
026990100113	B.R. DEUTSCH	0.95	10	43	18	107	-4	27	0
026990120113	B.R. DEUTSCH	0.92	9	44	17	98	-5	30	0
026990130113	B.R. DEUTSCH	1.08	1	17	5	75	-2	11	0
026990140113	B.R. DEUTSCH	1.05	1	10	5	81	-3	11	0
026990150113	B.R. DEUTSCH	1.01	7	38	16	162	-4	27	4
026990160113	B.R. DEUTSCH	0.98	9	87	19	334	-6	46	12
032011010127	KOBENHAVN	1.13	13	44	26	68	-6	33	0
032011030127	KOBENHAVN	1.17	29	57	36	91	-5	43	0
032011030128	KOBENHAVN	0.95	34	69	40	93	-3	44	0
032012100127	KOBENHAVN	1.24	10	41	20	56	-5	28	0
032012210127	KOBENHAVN	1.26	14	48	27	78	-7	37	0
032013420127	KOBENHAVN	1.24	7	26	13	59	-3	19	0
032013480127	KOBENHAVN	1.13	10	33	29	95	-8	38	0
034018150127	AALBORG	1.09	15	47	21	55	-3	26	0
034029150127	ODENSE	1.12	13	42	22	85	-5	28	0
035015650127	ESBJERG	1.09	8	27	12	46	-2	16	0
035025150127	FREDERICIA	1.11	11	28	20	64	-5	26	0
035033510127	NAESTVED	1.10	13	40	30	103	-8	38	0
035046350127	RANDERS	1.10	10	28	14	49	-2	18	0
042010180137	LYON	1.04	22	70	11	300	-2	33	4
042010210137	LYON	0.85	30	131	62	306	-18	94	7
042020140136	MARSEILLE	1.03	38	132	68	301	-12	89	10
042020180136	MARSEILLE	0.92	25	77	54	184	-15	78	3
042022040136	MARSEILLE	0.99	41	102	81	227	-13	90	5
042022060136	MARSEILLE	0.99	36	149	65	199	-13	85	2
043020040136	LILLE-ROUB.-	0.93	19	114	32	209	-2	41	1
043020050136	LILLE-ROUB.-	1.10	26	91	26	148	0	33	1
043020070136	LILLE-ROUB.-	1.02	21	74	38	246	-9	60	5
043020100135	LILLE-ROUB.-	0.92	35	94	54	225	-10	69	3
043020230136	LILLE-ROUB.-	0.81	25	72	67	205	-19	91	7
045040050135	DUNKERQUE	1.10	33	120	54	170	-9	67	2
045040070136	DUNKERQUE	0.99	32	113	42	115	-4	47	0
045040110135	DUNKERQUE	1.10	13	54	22	120	-5	34	0

First characteristics of the time series
Pollutant 1: SO_2 (column caption: see A5.1)

Station code PPCVVSSSPLTM	Town	S/W no	summer 50	summer 98	winter 50	winter 98	regression slope	regression int.	persist. no
045040130135	DUNKERQUE	1.28	4	48	11	140	-4	21	2
061010100120	MILANO	1.05	21	86	239	660	-108	352	68
061010130120	MILANO	1.03	26	107	164	515	-64	226	47
061010140120	MILANO	1.02	23	65	177	525	-79	254	46
061010160120	MILANO	0.96	36	104	252	936	-135	434	87
062010010122	TORINO	1.12	39	120	164	507	-72	258	73
064040020121	BOLZANO	1.15	38	69	89	320	-33	135	15
083015160102	AMSTERDAM	1.07	15	44	26	80	-6	35	0
083015180102	AMSTERDAM	0.92	15	48	21	86	-4	30	0
083015200102	AMSTERDAM	1.06	16	60	27	86	-7	37	0
083015210102	AMSTERDAM	0.95	14	37	25	70	-5	32	0
083015230102	AMSTERDAM	0.95	15	42	28	84	-8	39	0
083015250102	AMSTERDAM	0.91	13	37	23	74	-5	32	0
083024040102	DEN HAAG	0.97	17	52	27	92	-8	41	0
083024050102	DEN HAAG	1.06	10	29	18	64	-6	28	0
083034180102	ROTTERDAM	1.03	24	79	40	104	-7	49	0
083034230102	ROTTERDAM	1.02	17	63	28	97	-5	36	0
084018140102	ENSCHEDE	1.04	11	48	15	89	-3	22	0
084029080102	GRONINGEN	1.58	7	31	7	35	-2	14	0
084032130102	TILBURG	1.13	23	52	35	107	-8	48	0
084032140102	TILBURG	1.07	12	39	21	96	-5	30	0
084046070102	UTRECHT	1.10	14	45	24	78	-6	33	0
084046100102	UTRECHT	0.95	15	40	22	72	-5	29	0
085015280102	BUSSUM	1.22	11	39	20	62	-5	28	0
085022040102	DEN BOSCH	1.06	19	53	30	106	-6	41	0
085035300102	HILVERSUM	1.12	14	36	20	64	-4	26	0
085041210102	MAASTRICHT	1.21	20	57	23	147	-3	35	4
085053040102	MIDDELBURG	0.96	16	53	22	96	-6	35	0
085068060102	ZWOLLE	1.05	11	42	19	82	-5	28	0
086991240102	LIG.ACHTERGR	1.08	12	42	20	146	-4	28	0
086992060102	LIG.ACHTERGR	1.03	11	46	17	84	-4	25	0
086993120102	LIG.ACHTERGR	1.02	17	55	27	100	-8	42	0
086995010102	LIG.ACHTERGR	1.17	5	26	8	32	-3	14	0
086996170102	LIG.ACHTERGR	1.10	6	27	11	64	-4	18	0
086998150102	LIG.ACHTERGR	1.09	8	36	15	92	-5	25	0
086999010102	LIG.ACHTERGR	1.06	5	24	8	53	-3	14	0

First characteristics of the time series
Pollutant 2: Smoke (column caption: see A5.1)

Station code	Town	S/W	summer		winter		regression		persist.
PPCVVSSSPLTM		no	50	98	50	98	slope	int.	no
012010010203	BRUXELLES	1.01	9	29	17	43	-4	23	0
012010020203	BRUXELLES	1.01	26	74	27	68	0	29	0
012010080203	BRUXELLES	1.01	8	28	10	28	-0	12	0
012010140203	BRUXELLES	0.77	7	25	8	26	-0	9	0
012010170203	BRUXELLES	0.98	12	33	14	33	-0	15	0
012010220203	BRUXELLES	1.34	16	49	18	50	-0	20	0
012010260203	BRUXELLES	1.01	14	37	16	42	-1	18	0
013018010203	ANTWERPEN	0.95	13	33	16	40	-2	19	0
013018090203	ANTWERPEN	0.93	25	60	29	53	-2	33	0
013018120203	ANTWERPEN	0.93	10	37	14	41	-1	16	0
013018130203	ANTWERPEN	0.93	11	42	13	36	-0	15	0
013018180203	ANTWERPEN	1.08	11	33	14	48	-1	18	0
013018260203	ANTWERPEN	1.09	9	25	9	45	-0	12	0
014015010203	CHARLEROI	0.91	14	48	14	42	-0	17	0
014015040203	CHARLEROI	0.93	14	58	12	54	2	14	0
014015050203	CHARLEROI	0.93	19	51	19	61	-0	22	0
014015090203	CHARLEROI	0.97	10	34	16	69	-0	16	0
014015130203	CHARLEROI	0.93	12	39	9	37	3	8	0
014015140203	CHARLEROI	0.93	16	37	16	48	-0	18	0
014027010203	GENT	1.01	14	42	12	34	1	13	0
014027060203	GENT	1.10	8	22	8	22	-0	9	0
014027070203	GENT	1.05	20	58	22	74	-0	25	0
014027090203	GENT	1.01	8	20	10	26	-1	11	0
014027120203	GENT	1.05	14	34	18	66	-2	22	0
014027150203	GENT	0.82	8	28	12	39	-2	16	0
015016050203	BRUGGE	1.15	8	24	14	34	-3	17	0
015026030203	KORTRIJK	0.92	18	33	29	65	-6	36	0
015033020203	LIBRAMONT	0.96	4	11	7	22	-1	8	0
041010110210	PARIS	0.87	22	84	35	110	-7	48	0
041010170210	PARIS	1.00	27	88	31	101	-1	38	0
041010490210	PARIS	1.00	25	61	37	115	-6	48	0
041010650210	PARIS	1.02	22	63	33	106	-5	43	0
041010990210	PARIS	1.00	32	83	41	122	-5	51	0
042020010210	MARSEILLE	1.08	25	54	34	101	-4	39	0
042020140210	MARSEILLE	0.69	17	47	25	77	-4	31	0
042020180210	MARSEILLE	0.95	30	80	36	108	-2	42	0
042022040210	MARSEILLE	0.91	54	108	80	141	-8	81	1
042022060210	MARSEILLE	1.01	27	62	28	108	-1	31	0
044010010210	CLERMONT-FER	1.00	9	23	14	83	-4	22	0
044010020210	CLERMONT-FER	0.99	11	27	17	71	-3	22	0
044010040210	CLERMONT-FER	1.01	5	19	5	30	-0	8	0
044010080210	CLERMONT-FER	1.01	5	13	6	25	-1	8	0
044010320210	CLERMONT-FER	1.01	20	40	34	104	-7	44	0
044010330210	CLERMONT-FER	0.91	11	27	16	62	-3	21	0
044020470210	LE HAVRE	1.01	18	44	29	103	-8	41	0
044031040210	NANTES	0.99	15	32	22	28	-2	22	0

First characteristics of the time series
Pollutant 2: Smoke (column caption: see A5.1)

Station code	Town	S/W	summer		winter		regression		persist
PPCVVSSSPLTM		no	50	98	50	98	slope	int.	no
044031060210	NANTES	0.80	7	16	15	17	-2	14	0
044040010210	ROUEN	0.60	7	23	18	52	-5	24	0
044040040210	ROUEN	1.01	28	55	37	96	-7	48	0
044040060210	ROUEN	0.84	12	36	19	80	-5	29	0
044040070210	ROUEN	1.03	13	49	16	43	-1	19	0
044040110210	ROUEN	1.50	13	45	16	48	-1	19	0
044042080210	ROUEN	1.06	12	37	12	62	-2	20	0
053010010204	DUBLIN	1.00	32	76	54	209	-14	74	0
053010040204	DUBLIN	1.01	21	79	38	273	-14	68	1
053010070204	DUBLIN	1.05	9	40	25	152	-11	43	0
053010100204	DUBLIN	0.86	4	46	31	144	-15	55	1
053011030204	DUBLIN	1.01	18	60	38	180	-13	58	1
055010010206	GALWAY	0.93	8	32	16	74	-5	26	0
055020020205	CORK COUNTY	1.00	2	9	3	22	-1	5	0
075013520201	LUXEMBOURG-V	2.35	13	22	20	41	-4	26	0
075013530201	LUXEMBOURG-V	1.40	10	27	14	37	-2	18	0
075023550201	ESCH-SUR-ALZ	0.88	8	18	12	27	-2	14	0
075033600201	STEINFORT	0.77	8	19	12	28	-1	14	0
091010150207	GREATER LOND	0.98	11	28	14	56	-3	22	0
091021150207	GREATER MANC	1.02	8	28	9	31	0	10	0
091022130207	GREATER MANC	1.10	7	25	16	53	-5	23	0
091030260207	W.MIDL.CONUR	1.16	10	26	13	77	-3	21	0
092010910207	GLASGOW|SURR	1.16	3	19	7	93	-3	16	0
092023220207	MERSEYSIDE C	0.97	17	41	27	115	-8	42	0
093010180207	LEEDS	0.97	9	38	14	99	-5	25	0
093010300207	LEEDS	0.81	7	29	9	67	-4	18	0
093020820207	SHEFFIELD	0.97	20	45	26	94	-5	36	0
094010110207	BELFAST	1.00	10	38	32	123	-12	46	0
094010150207	BELFAST	1.01	13	30	19	65	-4	26	0
094020120207	CARDIFF	0.94	10	30	14	47	-2	19	0
094030120207	EDINBURGH	1.01	11	34	13	97	-4	25	0
094040100207	PORTSMOUTH	1.01	6	22	11	42	-2	14	0
094050090207	TEESSIDE	1.08	11	34	16	96	-4	24	0
094052290207	TEESSIDE	1.01	11	28	11	82	-2	20	0
095020060207	BATH	1.01	13	38	14	66	-3	21	0
095030100207	BEDFORD	1.05	5	22	9	51	-2	13	0
095050050207	LINCOLN	0.94	8	20	14	91	-4	22	0

First characteristics of the time series
Pollutant 3: SPM (column caption: see A5.1)

Station code	Town	S/W	summer		winter		regression		persist.
PPCVVSSSPLTM		no	50	98	50	98	slope	int.	no
022010080302	MUENCHEN, BA	0.93	39	104	56	146	-7	65	1
022010100302	MUENCHEN, BA	0.90	70	121	85	181	-6	93	7
022010140302	MUENCHEN, BA	0.77	21	47	34	92	-5	40	0
022010150302	MUENCHEN, BA	0.95	38	103	47	139	-1	50	1
022010160302	MUENCHEN, BA	0.98	32	82	30	102	2	33	0
023040010302	FRANKFURT-AM	1.17	57	150	49	115	5	52	1
023050810306	NUERNBERG, B	1.02	43	126	44	133	2	47	0
023050820306	NUERNBERG, B	1.02	30	84	32	86	1	34	0
023060010326	STUTTGART	0.98	10	31	7	29	1	9	0
023060020326	STUTTGART	1.13	11	42	17	50	-1	17	0
023060030326	STUTTGART	2.00	11	54	12	69	-1	21	0
023060040326	STUTTGART	0.92	17	43	23	69	-4	30	0
024010710306	AUGSBURG, BA	0.89	39	99	38	90	2	38	0
024020540306	ERLANGEN, BA	0.97	30	88	44	96	-7	55	0
024030220326	KARLSRUHE	0.81	17	69	20	72	-0	25	0
024040010302	KASSEL, HESS	0.95	63	138	57	131	3	61	0
024050060325	LUDWIGSHAFEN	1.04	30	137	38	162	-1	49	1
024050070325	LUDWIGSHAFEN	1.03	67	172	74	225	-3	80	14
024050080325	LUDWIGSHAFEN	0.88	64	165	71	190	-1	72	4
024061110326	MANNHEIM	1.05	20	53	19	59	0	22	0
024061120326	MANNHEIM	1.08	14	38	20	51	-2	24	0
024070310306	REGENSBURG,	0.97	32	69	35	84	-0	36	0
024080010302	WIESBADEN, H	0.60	72	154	60	137	7	60	4
024090640306	WUERZBURG, B	0.97	23	80	19	66	4	18	0
024100110306	INGOLSTADT,	0.93	34	107	37	106	2	37	0
024110850306	FUERTH, BAYE	0.96	36	102	34	83	5	31	0
024120030325	MAINZ	0.82	35	148	31	131	6	33	2
024120040325	MAINZ	1.01	34	137	45	173	-6	60	2
024120050325	MAINZ	1.14	31	95	26	118	-0	37	0
025010610306	ASCHAFFENBUR	0.96	23	71	27	79	-1	30	0
025020910306	KELHEIM, BAY	1.05	33	87	30	82	3	29	0
025050010325	SPEIZER	1.01	38	119	35	153	-1	45	0
026990020308	B.R. DEUTSCH	1.01	40	114	29	98	5	30	0
026990030308	B.R. DEUTSCH	1.00	41	124	31	106	7	32	0
026990040308	B.R. DEUTSCH	1.01	34	121	25	83	7	24	0
026990060308	B.R. DEUTSCH	0.99	35	102	20	77	9	17	0
026990070308	B.R. DEUTSCH	1.02	26	90	11	49	9	6	0
026990080308	B.R. DEUTSCH	0.99	34	100	30	107	0	40	1
026990090308	B.R. DEUTSCH	0.99	36	116	33	147	-0	47	2
026990100308	B.R. DEUTSCH	0.99	41	98	27	83	7	26	0
026990120308	B.R. DEUTSCH	1.01	39	117	32	115	2	40	0
026990130308	B.R. DEUTSCH	1.03	33	91	27	95	4	28	0
026990140308	B.R. DEUTSCH	1.01	26	76	19	95	5	19	0
026990150308	B.R. DEUTSCH	1.02	41	120	30	92	6	31	0
026990160308	B.R. DEUTSCH	0.99	49	144	36	128	7	38	4
032011010347	KOBENHAVN	1.02	30	87	43	111	-7	52	1

First characteristics of the time series
Pollutant 3: SPM (column caption: see A5.1)

Station code	Town	S/W	summer		winter		regression		persist.
PPCVVSSSPLTM		no	50	98	50	98	slope	int.	no
032011030347	KOBENHAVN	1.02	82	177	76	167	2	78	7
032012100347	KOBENHAVN	1.02	33	97	37	104	-4	47	0
032012210347	KOBENHAVN	1.05	33	92	42	116	-6	53	0
032013420347	KOBENHAVN	1.03	33	94	38	110	-4	46	0
032013480347	KOBENHAVN	1.03	33	86	41	113	-6	51	0
034018150347	AALBORG	1.01	55	170	71	199	-10	89	5
034029150347	ODENSE	1.01	38	122	48	173	-7	81	2
035015650347	ESBJERG	1.01	42	102	53	116	-6	61	0
035025150347	FREDERICIA	1.01	46	111	51	172	-7	66	1
035033510347	NAESTVED	1.03	51	142	63	188	-8	77	2
035046350347	RANDERS	1.02	48	129	50	156	-2	58	2
043020080318	LILLE-ROUB.-	1.16	51	135	45	145	7	40	0
044040040318	ROUEN	0.72	37	66	31	88	4	30	0
044070070318	CAEN - AGGLO	1.00	24	87	19	76	5	21	0
045020190318	FOS-BERRE	1.41	35	83	31	111	2	36	0
045040050318	DUNKERQUE	1.08	37	136	38	105	5	35	0
045040070318	DUNKERQUE	1.24	41	127	39	102	5	39	0
045040110318	DUNKERQUE	1.07	52	131	45	101	5	45	0
045040130318	DUNKERQUE	1.04	25	92	25	85	2	29	0
062010010315	TORINO	1.06	77	245	129	271	-7	120	79
062010020315	TORINO	1.05	114	253	192	383	-29	211	137
062010030315	TORINO	1.10	119	239	128	298	2	120	90
064040030315	BOLZANO	1.22	46	108	35	113	-0	43	0

First characteristics of the time series
Pollutant 4: Acid (column caption: see A5.1)

Station code	Town	S/W	summer		winter		regression		persist.
PPCVVSSSPLTM		no	50	98	50	98	slope	int.	no
012010010403	BRUXELLES	1.01	34	71	75	137	-19	90	1
012010020403	BRUXELLES	1.01	46	115	76	191	-14	93	6
012010080403	BRUXELLES	1.01	28	77	38	84	-5	46	0
012010140403	BRUXELLES	0.77	21	74	19	90	3	20	0
012010170403	BRUXELLES	0.98	31	68	37	126	-3	44	1
012010220403	BRUXELLES	1.34	26	82	36	100	-2	39	0
012010260403	BRUXELLES	1.01	36	122	40	157	1	45	3
013018010403	ANTWERPEN	0.94	61	206	73	164	-2	79	6
013018090403	ANTWERPEN	0.93	50	128	71	139	-10	84	1
013018120403	ANTWERPEN	0.93	40	164	49	117	-4	56	2
013018130403	ANTWERPEN	0.93	45	127	65	125	-8	73	0
013018180403	ANTWERPEN	1.09	53	108	92	178	-15	101	7
013018260403	ANTWERPEN	1.09	74	232	91	342	-10	119	15
014015010403	CHARLEROI	0.91	33	84	33	106	0	38	0
014015040403	CHARLEROI	0.93	23	59	25	158	-1	32	3
014015050403	CHARLEROI	0.93	31	79	35	162	-1	42	4
014015090403	CHARLEROI	0.97	25	66	38	208	-2	43	3
014015130403	CHARLEROI	0.93	31	84	28	99	6	23	0
014015140403	CHARLEROI	0.93	40	91	49	150	-4	59	1
014027010403	GENT	1.01	62	188	43	111	14	34	7
014027060403	GENT	1.10	34	92	30	86	5	25	0
014027070403	GENT	1.05	36	233	34	129	4	38	4
014027090403	GENT	1.01	71	191	51	161	7	56	12
014027120403	GENT	1.05	49	282	56	240	-4	75	11
014027150403	GENT	0.82	34	113	23	131	8	21	0
015016050403	BRUGGE	1.15	19	66	21	64	-1	25	0
015026030403	KORTRIJK	0.91	19	55	42	146	-11	57	3
015033020403	LIBRAMONT	0.97	19	49	28	83	-2	31	0
041010110411	PARIS	0.80	18	48	51	152	-16	70	0
041010170411	PARIS	1.01	76	151	92	273	-9	109	25
041010490411	PARIS	1.01	46	101	68	194	-11	83	4
041010650411	PARIS	0.99	35	90	66	245	-22	103	14
041010990411	PARIS	0.99	22	68	47	200	-16	72	4
042010010411	LYON	1.01	35	86	56	172	-12	74	3
042010080411	LYON	1.04	34	82	55	202	-12	76	3
042010100411	LYON	0.67	36	70	44	155	-8	63	0
042010160411	LYON	1.01	26	50	40	110	-6	45	0
042020010408	MARSEILLE	0.85	15	66	46	139	-10	55	1
043020050411	LILLE-ROUB.-	0.90	23	81	34	348	-10	64	11
043020100408	LILLE-ROUB.-	0.53	22	98	43	222	-13	67	4
044010010408	CLERMONT-FER	1.01	25	63	33	100	-1	35	0
044010020408	CLERMONT-FER	1.02	33	67	33	87	1	33	0
044010040408	CLERMONT-FER	1.01	37	73	25	83	7	21	0
044010080408	CLERMONT-FER	1.01	61	159	35	71	19	16	20
044010320408	CLERMONT-FER	1.48	12	45	58	186	-29	100	5
044010330408	CLERMONT-FER	0.97	17	48	37	124	-10	50	0

First characteristics of the time series
Pollutant 4: Acid (column caption: see A5.1)

Station code PPCVVSSSPLTM	Town	S/W no	summer 50	summer 98	winter 50	winter 98	regression slope	regression int.	persist. no
044020210411	LE HAVRE	1.15	38	282	37	192	8	43	8
044020320411	LE HAVRE	0.99	30	208	42	412	-15	94	11
044031000411	NANTES	1.12	5	60	35	214	-14	57	0
044031030411	NANTES	0.91	1	33	1	85	-4	17	0
044031040411	NANTES	1.07	2	39	52	148	-18	64	1
044031060411	NANTES	0.83	11	39	23	62	-5	27	0
044031130411	NANTES	0.98	2	49	5	223	-6	29	1
044031150411	NANTES	0.98	3	66	13	191	-13	45	1
044040010411	ROUEN	0.86	15	52	19	111	-4	30	0
044040040411	ROUEN	0.84	30	74	50	143	-11	64	2
044040060411	ROUEN	0.79	25	65	36	142	-9	51	2
044040070411	ROUEN	0.84	28	84	56	188	-14	76	2
044040080411	ROUEN	0.80	2	101	12	133	-3	26	2
044040110411	ROUEN	0.88	56	343	111	420	-17	150	39
044070070408	CAEN - AGGLO	0.97	24	67	35	131	-6	46	3
045020190411	FOS-BERRE	1.03	13	61	21	87	-4	29	0
045030170411	VIGNEUX DE B	1.03	1	32	10	43	-4	17	0
053010010404	DUBLIN	1.01	50	95	54	105	-1	56	0
053010040404	DUBLIN	1.01	52	181	25	81	18	16	10
053010070404	DUBLIN	1.05	38	123	31	83	9	23	0
053010100404	DUBLIN	0.94	33	98	25	81	3	29	0
053011030404	DUBLIN	1.00	42	104	35	89	5	34	0
055010010406	GALWAY	0.95	6	24	6	32	-1	12	0
075013520401	LUXEMBOURG-V	2.35	18	38	43	84	-14	58	0
075013530401	LUXEMBOURG-V	1.40	21	49	31	71	-4	35	0
075023550401	ESCH-SUR-ALZ	0.88	12	28	28	53	-9	37	0
075033600401	STEINFORT	0.77	18	105	27	54	-3	29	0
091010150407	GREATER LOND	0.96	29	66	29	76	-0	33	0
091021150407	GREATER MANC	0.99	41	106	49	131	-7	65	1
091022130407	GREATER MANC	1.10	40	103	42	129	-3	53	0
091030260407	W.MIDL.CONUR	1.15	29	93	41	111	-4	47	0
092010910407	GLASGOW|SURR	1.15	36	120	37	89	-1	44	0
092023220407	MERSEYSIDE C	0.97	73	194	42	151	16	40	12
093010180407	LEEDS	0.97	39	139	51	151	-5	65	1
093010300407	LEEDS	0.81	40	137	43	172	-3	60	0
093020820407	SHEFFIELD	0.98	63	153	72	169	-5	82	6
094010110407	BELFAST	1.01	28	63	33	71	-3	40	0
094010150407	BELFAST	1.01	39	70	54	85	-7	61	0
094020120407	CARDIFF	0.93	31	59	35	71	-3	39	0
094030120407	EDINBURGH	1.01	33	65	33	67	2	30	0
094040100407	PORTSMOUTH	1.00	33	72	45	85	-5	49	0
094050090407	TEESSIDE	1.08	28	75	45	128	-5	50	0
094052290407	TEESSIDE	1.04	8	56	7	65	-3	19	0
095020060407	BATH	1.01	21	53	26	61	-2	31	0
095030100407	BEDFORD	1.05	57	177	59	167	6	56	8
095050050407	LINCOLN	0.93	45	83	52	127	-1	54	0

ANNUAL CHARACTERISTICS OF THE SERIES

October 1982 - September 1983

Annex 6: Status of the isolated extremum of the monthly median values

Column caption:

Label	Explanation
station code	PPCVVSSSPLTM: PP country code C town class code VV town code SSS station code PL pollutant code TM measurement technique code
status code	The status code found in the following Annex is a scaling of the isolation tendency of the extreme monthly median values with respect to the spreading of the other monthly medians (see explanation in Chapter II.4).

Results of this annex are summarized in

Fig. II.4.13 ; page 75

Status of the isolated extremum of the monthly median values
Pollutant 1: SO_2 (column caption: see A6.1)

Station code PPCVVSSSPLTM		Status code OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP 83
021010060103	BERLIN (WEST	.	.	.	.	.	.	.	.	.	.	.	.
021010080103	BERLIN (WEST	.	.	.	.	.	.	.	.	.	.	.	.
021010160103	BERLIN (WEST	.	.	.	.	1	.	.	.	.	.	.	.
021010180103	BERLIN (WEST	.	.	.	.	1	.	.	.	.	.	.	.
021010200103	BERLIN (WEST	.	.	.	.	.	.	.	.	.	.	.	.
021010280103	BERLIN (WEST	.	.	.	.	.	.	.	.	.	.	.	.
022010050104	MUENCHEN, BA	.	.	.	.	5	.	.	.	.	.	.	.
022010070104	MUENCHEN, BA	.	.	.	.	5	.	.	.	.	.	.	.
022010080104	MUENCHEN, BA	.	.	.	.	5	.	.	.	.	.	.	.
022010100104	MUENCHEN, BA	.	.	.	.	5	.	.	.	.	.	.	.
022010110104	MUENCHEN, BA	.	.	.	.	1	.	.	.	.	.	-1	.
022010120104	MUENCHEN, BA	.	.	.	.	5	.	.	.	.	.	.	.
022010130104	MUENCHEN, BA	.	.	.	.	5	.	.	.	.	.	.	.
022010140104	MUENCHEN, BA	.	.	.	.	5	.	.	.	.	.	-3	.
022010150104	MUENCHEN, BA	.	.	.	.	5	.	.	.	.	.	.	.
022010160104	MUENCHEN, BA	.	.	.	.	5	.	.	.	.	.	.	.
023010030105	DORTMUND	.	.	.	.	.	.	.	-1	.	.	.	.
023020030105	DUISBURG	.	.	.	.	.	.	.	.	.	.	-5	.
023050810109	NUERNBERG, B	.	.	.	.	3	.	.	.	.	.	.	.
023050820109	NUERNBERG, B	.	.	.	.	3	.	.	.	.	.	.	.
023050830109	NUERNBERG, B	.	.	.	.	5	.	.	.	.	.	.	.
023060010126	STUTTGART	.	.	.	.	5	.	.	.	.	.	.	.
023060020126	STUTTGART	.	.	.	.	.	.	.	.	.	.	.	.
023060030126	STUTTGART	.	.	.	.	5	.	.	.	.	.	.	.
023060040126	STUTTGART	.	.	.	.	3	.	.	.	.	.	.	.
024010710109	AUGSBURG, BA	.	.	.	.	.	.	.	.	.	.	.	.
024010720109	AUGSBURG, BA	.	.	.	.	1	.	.	.	.	.	.	.
024020540109	ERLANGEN, BA	.	.	.	.	5	.	.	.	.	.	.	.
024030220110	KARLSRUHE	.	5	.	.	.	.	.	.	.	.	.	.
024040010106	KASSEL, HESS	.	.	.	.	5	.	.	.	.	.	.	.
024050060112	LUDWIGSHAFEN	.	.	.	.	4	.	.	.	.	.	.	.
024050070112	LUDWIGSHAFEN	.	.	.	.	.	.	.	.	.	.	1	.
024050080112	LUDWIGSHAFEN	.	.	.	.	5	.	.	.	.	.	.	.
024061100110	MANNHEIM	.	.	.	.	.	.	.	.	.	.	.	.
024061110110	MANNHEIM	.	.	.	.	3	.	.	.	.	.	.	.
024061120126	MANNHEIM	.	.	.	.	5	.	.	.	.	.	.	.
024070310109	REGENSBURG,	.	.	.	.	5	.	.	.	.	.	-1	.
024080010106	WIESBADEN, H	.	.	.	.	.	.	.	.	.	.	.	.
024080020106	WIESBADEN, H	.	.	.	.	.	.	.	.	.	.	.	.
024090640109	WUERZBURG, B	.	.	.	.	5	1	.	.	.	.	.	.
024090650109	WUERZBURG, B	.	.	.	.	5	.	.	.	.	.	.	.
024100110109	INGOLSTADT,	.	.	.	.	5	.	.	.	.	.	.	.
024110850109	FUERTH, BAYE	.	.	.	.	3	.	.	.	.	.	.	.
024120030112	MAINZ	.	.	.	.	5	.	.	.	.	.	.	.
024120040112	MAINZ	.	.	.	.	3	.	.	.	.	.	.	.
024120050112	MAINZ	.	.	.	.	5	.	.	.	.	.	.	-1

Status of the isolated extremum of the monthly median values

Pollutant 1: SO_2 (column caption: see A6.1)

Station code PPCVVSSSPLTM		Status code OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP 83
025010610109	ASCHAFFENBUR	.	1	.	.	3	.	.	.	.	.	.	.
025020910109	KELHEIM, BAY	.	.	.	.	1	.	.	.	.	.	.	.
025020920109	KELHEIM, BAY	.	.	.	.	5	.	.	.	.	.	-4	.
026990010113	B.R. DEUTSCH	1	.	.	.	2	.	.	.	.	.	.	.
026990020113	B.R. DEUTSCH	.	.	.	.	5	1	.	.	.	.	.	.
026990030113	B.R. DEUTSCH	.	.	.	.	5	.	.	.	.	.	.	.
026990040113	B.R. DEUTSCH	.	.	.	.	5	.	.	.	.	.	.	.
026990060113	B.R. DEUTSCH	.	.	.	.	1	1	.	.	.	.	.	.
026990070113	B.R. DEUTSCH	.	.	.	.	5	.	.	.	.	.	.	.
026990080113	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	.	.	.
026990090113	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	.	.	.
026990100113	B.R. DEUTSCH	.	.	.	.	1	.	.	.	.	.	.	.
026990120113	B.R. DEUTSCH	.	.	.	.	5	.	.	.	.	.	.	.
026990130113	B.R. DEUTSCH	.	.	.	.	5	1	.	.	.	.	.	.
026990140113	B.R. DEUTSCH	.	.	.	.	5	.	.	.	.	.	.	.
026990150113	B.R. DEUTSCH	.	.	.	.	5	.	.	.	.	.	.	.
026990160113	B.R. DEUTSCH	.	.	.	.	5	.	.	.	.	.	.	.
032011010127	KOBENHAVN	.	.	.	.	.	.	.	.	.	.	.	.
032011030127	KOBENHAVN	.	.	3	.	.	.	.	.	.	.	.	.
032011030128	KOBENHAVN	.	.	.	.	.	.	.	.	.	-1	.	.
032012100127	KOBENHAVN	.	.	.	.	.	.	.	.	.	.	.	.
032012210127	KOBENHAVN	.	.	.	.	.	.	.	.	.	.	.	.
032013420127	KOBENHAVN	.	.	.	.	5	.	.	.	.	.	.	.
032013480127	KOBENHAVN	.	.	.	.	.	.	.	.	.	.	.	.
034018150127	AALBORG	.	.	.	.	3	.	.	.	.	.	.	.
034029150127	ODENSE	.	.	.	.	2	.	.	.	.	.	.	.
035015650127	ESBJERG	.	.	.	.	.	.	.	.	.	.	.	.
035025150127	FREDERICIA	.	.	.	.	.	.	.	.	.	.	.	.
035033510127	NAESTVED	.	.	.	.	.	.	.	.	.	.	.	.
035046350127	RANDERS	.	.	.	.	2	.	.	.	.	-1	.	.
042010180137	LYON	.	.	.	.	.	.	.	.	.	3	.	.
042010210137	LYON	.	.	.	1	.	.	.	.	.	.	.	.
042020010136	MARSEILLE	.	.	.	3	.	.	.	.	.	.	.	.
042020140136	MARSEILLE	.	.	.	.	5	.	.	.	.	.	.	.
042020180136	MARSEILLE	.	.	.	.	.	.	.	.	.	.	.	.
042022040136	MARSEILLE	.	.	.	.	.	.	.	.	.	.	.	.
042022060136	MARSEILLE	.	.	.	.	.	.	.	.	.	.	.	.
043020040136	LILLE-ROUB.-	.	.	.	.	4	.	.	.	.	.	.	.
043020050136	LILLE-ROUB.-	.	.	.	.	5	.	.	.	.	.	.	.
043020070136	LILLE-ROUB.-	.	.	.	.	5	.	.	.	.	.	.	.
043020100135	LILLE-ROUB.-	.	.	1	.	.	.	.	.	.	.	.	.
043020230136	LILLE-ROUB.-	.	.	.	.	.	.	.	.	.	.	.	.
045040050135	DUNKERQUE	.	.	.	.	1	.	.	.	.	.	.	.
045040070136	DUNKERQUE	.	.	.	.	.	.	.	.	.	.	.	-4
045040110135	DUNKERQUE	.	.	.	.	5	.	.	.	.	.	.	.
045040130135	DUNKERQUE	.	.	.	.	5	.	.	.	.	.	.	.

Status of the isolated extremum of the monthly median values
Pollutant 1: SO_2 (column caption: see A6.1)

Station code PPCVVSSSPLTM		Status code OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP 83
061010100120	MILANO	.	.	.	1	.	.	.	.	.	.	.	.
061010130120	MILANO	.	.	.	1	.	.	.	.	.	.	.	.
061010140120	MILANO	.	.	.	1	.	.	.	.	.	.	.	.
061010160120	MILANO	.	.	.	4	.	.	.	.	.	.	.	.
062010010122	TORINO	.	.	.	1	.	.	.	.	.	.	.	.
064040020121	BOLZANO	.	.	.	3	.	.	.	.	.	.	.	.
083015160102	AMSTERDAM	.	.	.	.	.	.	.	.	.	.	-1	.
083015200102	AMSTERDAM	.	.	.	.	.	.	.	.	.	.	-1	.
083015210102	AMSTERDAM	.	.	.	.	.	.	.	.	.	.	.	.
083015230102	AMSTERDAM	.	.	.	.	.	.	.	.	.	.	.	.
083015250102	AMSTERDAM	.	.	.	.	.	.	.	.	.	.	.	.
083024040102	DEN HAAG	1	.	.	.	.	.	.	.	.	.	.	.
083024050102	DEN HAAG	1	.	.	.	.	.	.	.	.	.	.	.
083034180102	ROTTERDAM	.	.	.	.	.	.	.	.	.	.	-1	.
083034230102	ROTTERDAM	.	.	.	.	.	.	.	.	.	.	-1	.
084018140102	ENSCHEDE	.	.	.	.	.	.	.	.	.	.	.	.
084032130102	TILBURG	.	.	.	.	.	.	.	.	.	.	.	.
084032140102	TILBURG	.	.	1	.	.	.	.	.	.	.	-1	.
084046070102	UTRECHT	.	.	.	.	.	.	.	.	.	.	.	.
084046100102	UTRECHT	.	.	1	.	.	.	.	.	.	.	-2	.
085015280102	BUSSUM	3	.	.	.	.	.	.	.	.	.	.	.
085022040102	DEN BOSCH	.	.	.	.	.	.	.	.	.	.	-1	.
085035300102	HILVERSUM	2	.	.	.	.	.	.	.	.	.	.	.
085041210102	MAASTRICHT	.	.	1	.	5	.	.	.	.	.	.	.
085053040102	MIDDELBURG	.	.	.	.	.	.	.	.	.	.	.	.
085068060102	ZWOLLE	1	.	.	.	.	.	.	.	.	.	-1	.
086991240102	LIG.ACHTERGR	.	.	.	.	5	.	.	.	.	.	.	.
086992060102	LIG.ACHTERGR	.	2	.	.	.	.	.	.	.	.	.	.
086993120102	LIG.ACHTERGR	.	3	.	.	.	.	.	.	.	.	-1	.
086995010102	LIG.ACHTERGR	3	.	.	.	.	.	.	.	.	.	.	.
086996170102	LIG.ACHTERGR	.	.	.	.	.	.	.	.	.	.	.	.
086998150102	LIG.ACHTERGR	.	.	.	.	.	.	.	.	.	.	.	.
086999010102	LIG.ACHTERGR	3	.	.	.	.	.	.	.	.	.	-1	.

Status of the isolated extremum of the monthly median value
Pollutant 2: Smoke (column caption: see A6.1)

Station code PPVVVSSSPLTM		Status code OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP 83
012010010203	BRUXELLES	.	.	.	.	.	.	.	.	.	.	.	.
012010020203	BRUXELLES	.	.	.	.	.	.	.	-3	.	.	.	.
012010080203	BRUXELLES	.	.	.	.	.	.	.	.	.	.	.	.
012010170203	BRUXELLES	.	.	.	.	.	.	.	.	.	.	.	.
012010220203	BRUXELLES	.	.	.	.	.	.	.	.	.	.	.	.
012010260203	BRUXELLES	.	.	.	.	3	.	.	.	.	.	.	.
013018010203	ANTWERPEN	.	.	.	.	.	.	.	.	.	.	.	.
013018090203	ANTWERPEN	.	.	.	.	.	.	.	.	.	-3	.	.
013018120203	ANTWERPEN	.	.	.	.	.	.	.	.	.	.	.	.
013018130203	ANTWERPEN	.	.	.	.	.	.	.	.	.	.	.	.
013018180203	ANTWERPEN	.	.	5	.	.	.	.	.	.	.	.	.
013018260203	ANTWERPEN	.	.	.	-3	.	.	.	.	.	.	.	.
014015010203	CHARLEROI	.	.	2	.	.	-1	.	.	.	.	.	.
014015040203	CHARLEROI	.	.	.	.	5	.	.	.	.	.	.	.
014015050203	CHARLEROI	.	.	.	.	3	.	.	.	.	.	.	.
014015090203	CHARLEROI	.	.	.	.	3	1	.	.	.	.	.	.
014015130203	CHARLEROI	.	.	.	.	.	.	.	.	.	.	.	.
014015140203	CHARLEROI	.	.	.	.	3	.	.	.	.	.	.	-4
014027010203	GENT	.	.	.	.	.	.	.	.	.	.	.	.
014027060203	GENT	.	.	.	.	.	.	.	.	.	.	-5	.
014027070203	GENT	.	.	.	.	1	.	.	.	.	.	.	.
014027090203	GENT	.	.	.	.	.	.	.	.	.	.	.	.
014027120203	GENT	.	.	1	.	2	.	.	.	.	.	.	.
015016050203	BRUGGE	.	.	2	.	.	.	.	.	.	.	.	.
015026030203	KORTRIJK	.	.	.	.	.	.	.	.	.	.	-1	.
015033020203	LIBRAMONT	.	.	.	.	5	.	.	.	.	.	.	.
041010110210	PARIS	.	.	.	.	2	.	.	.	.	.	.	.
041010170210	PARIS	.	.	.	.	1	.	.	-1	.	.	.	.
041010490210	PARIS	.	.	.	.	.	.	.	.	.	.	.	.
041010650210	PARIS	.	.	.	.	3	.	.	.	.	.	.	.
041010990210	PARIS	.	.	.	.	.	.	.	.	.	.	.	.
042020140210	MARSEILLE	.	.	.	.	.	.	-1	.	.	.	.	.
042020180210	MARSEILLE	.	.	2	.	.	.	-1	.	.	.	.	.
042022040210	MARSEILLE	.	.	.	.	.	.	.	.	.	.	.	.
042022060210	MARSEILLE	.	.	.	.	.	.	-2	.	.	.	.	.
044010010210	CLERMONT-FER	.	.	.	3	1	.	.	.	.	.	.	.
044010020210	CLERMONT-FER	.	.	.	5	1	.	.	-1	.	.	.	.
044010040210	CLERMONT-FER	.	.	.	.	.	.	.	-1	.	.	.	.
044010080210	CLERMONT-FER	.	.	.	.	3	.	.	.	.	.	.	.
044010320210	CLERMONT-FER	.	.	.	1	.	.	.	.	.	.	.	.
044010330210	CLERMONT-FER	.	.	.	2	1	.	.	.	.	.	.	.
044020470210	LE HAVRE	3	.	.	.	.	.	.	.	.	.	.	.
044031040210	NANTES	.	.	.	.	.	.	.	.	.	.	.	.
044031060210	NANTES	.	.	.	.	.	.	.	.	.	.	.	.
044040040210	ROUEN	5	.	.	.	.	.	.	.	.	.	.	.
044040070210	ROUEN	.	.	.	.	.	.	.	.	.	.	.	.

Status of the isolated extremum of the monthly median values
Pollutant 2: Smoke (column caption: see A6.1)

Station code PPVVVSSSPLTM		Status code OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP 83
044040110210	ROUEN	.	.	.	-1	.	.	.	.	.	.	.	.
044042080210	ROUEN	5	.	.	.	.	.	.	.	.	.	.	.
053010010204	DUBLIN	.	.	.	.	.	.	.	.	.	.	.	.
053010040204	DUBLIN	.	.	2	.	.	.	.	.	.	.	.	.
053010070204	DUBLIN	.	.	2	.	.	.	.	.	.	.	.	.
053010100204	DUBLIN	.	.	.	.	.	.	.	.	.	.	.	.
053011030204	DUBLIN	.	.	1	.	.	.	.	.	.	.	.	.
055010010206	GALWAY	.	.	.	.	3	.	.	.	.	.	.	.
055020020205	CORK COUNTY	.	.	.	.	.	1	.	.	.	.	.	.
075013530201	LUXEMBOURG-V	.	.	.	.	5	1	.	.	.	.	.	.
075033600201	STEINFORT	.	.	.	.	.	.	.	.	.	.	.	.
091010150207	GREATER LOND	.	.	1	.	.	.	.	.	.	.	.	.
091021150207	GREATER MANC	.	.	.	.	.	.	.	.	.	1	.	.
091022130207	GREATER MANC	.	.	.	.	.	.	.	.	.	.	.	.
091030260207	W.MIDL.CONUR	.	.	5	.	.	.	.	.	.	.	.	.
092023220207	MERSEYSIDE C	.	.	3	.	.	.	.	.	.	.	.	.
093010180207	LEEDS	3	.	.	.	.	.	.	.	.	.	.	.
093010300207	LEEDS	.	.	.	.	.	.	.	.	.	.	.	.
093020820207	SHEFFIELD	.	.	.	.	1	.	.	.	.	.	.	.
094010110207	BELFAST	.	.	5	.	.	.	.	.	.	.	.	.
094010150207	BELFAST	.	.	5	.	.	.	-1	.	.	.	.	.
094020120207	CARDIFF	.	.	1	.	.	.	.	.	.	.	.	.
094030120207	EDINBURGH	.	.	.	.	5	.	.	.	.	.	.	.
094040100207	PORTSMOUTH	.	.	.	.	.	.	.	.	.	.	.	.
094050090207	TEESSIDE	.	.	.	.	5	.	.	.	.	.	.	.
094052290207	TEESSIDE	.	.	.	.	1	.	.	.	.	.	.	.
095020060207	BATH	.	.	.	.	.	-2	.	.	.	.	.	.
095030100207	BEDFORD	.	.	.	.	.	.	.	.	.	.	.	.
095050050207	LINCOLN	.	.	3	.	1	.	.	.	.	.	.	.

Status of the isolated extremum of the monthly median values

Pollutant 3: SPM (column caption: see A6.1)

Station code PPCVVSSSPLTM		Status code OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP 83
022010080302	MUENCHEN, BA	.	.	.	.	.	.	.	.	.	.	.	-1
022010100302	MUENCHEN, BA	.	.	.	.	.	.	.	.	.	.	.	.
022010140302	MUENCHEN, BA	.	.	.	.	1	.	.	-1	.	.	.	.
022010150302	MUENCHEN, BA	.	.	.	.	.	.	.	.	.	.	.	.
022010160302	MUENCHEN, BA	.	.	.	.	.	.	.	.	.	.	.	.
023010010303	DORTMUND	.	.	.	.	.	.	.	.	.	.	.	.
023020010303	DUISBURG	.	.	.	.	.	.	.	.	.	.	-1	-1
023030020303	DUESSELDORF	.	.	.	.	.	.	.	.	.	.	-1	-1
023040010302	FRANKFURT-AM	.	.	.	.	.	.	.	.	.	.	1	.
023050810306	NUERNBERG, B	.	.	.	.	.	.	.	.	.	.	.	.
023050820306	NUERNBERG, B	.	.	.	.	.	.	.	.	.	.	.	.
023060010326	STUTTGART	.	.	.	.	.	.	.	.	.	.	.	.
023060020326	STUTTGART	.	.	.	.	.	.	.	.	.	.	.	.
023060040326	STUTTGART	1	.	.	.	.	.	.	.	.	.	.	-1
024010710306	AUGSBURG, BA	.	.	.	.	.	.	.	.	.	.	.	.
024020540306	ERLANGEN, BA	.	.	.	.	.	.	.	-1	.	.	.	.
024030220326	KARLSRUHE	.	.	.	.	.	.	.	.	.	.	3	.
024040010302	KASSEL, HESS	.	.	.	.	.	.	.	.	.	.	.	.
024050060325	LUDWIGSHAFEN	.	.	.	.	.	.	.	.	.	.	.	.
024050070325	LUDWIGSHAFEN	.	.	.	.	.	.	.	.	.	.	.	.
024050080325	LUDWIGSHAFEN												
024061110326	MANNHEIM												
024061120326	MANNHEIM	.	.	.	.	.	.	.	.	.	.	.	.
024070310306	REGENSBURG,	.	.	.	.	.	.	.	.	.	.	.	.
024090640306	WUERZBURG, B	.	.	.	.	.	.	.	.	.	.	.	.
024100110306	INGOLSTADT,	.	.	.	.	.	.	.	.	.	.	.	.
024110850306	FUERTH, BAYE	.	.	.	.	.	.	.	.	.	.	1	.
024120030325	MAINZ	.	.	.	.	.	.	.	.	.	.	3	.
024120040325	MAINZ	1	.	.	.	.	.	.	-1	.	.	.	.
024120050325	MAINZ	.	.	.	.	.	.	.	.	.	.	.	.
025010610306	ASCHAFFENBUR	.	.	.	.	.	.	.	.	.	.	.	.
025020910306	KELHEIM, BAY	.	.	.	.	.	.	.	.	.	.	.	.
025050010325	SPEIZER	.	.	.	.	.	.	.	.	.	1	.	.
026990020308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	.	.	.
026990030308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	1	3	.	.
026990040308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	.	.	.
026990060308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	1	1	.
026990070308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	4	.	.
026990080308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	.	.	.
026990090308	B.R. DEUTSCH	1	.	.	-3	.	.	.	.	.	.	1	.
026990100308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	.	1	.
026990120308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	.	3	.
026990130308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	.	.	.
026990140308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	.	.	.
026990150308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	.	3	.
026990160308	B.R. DEUTSCH	.	.	.	.	.	.	.	.	.	.	.	.

Status of the isolated extremum of the monthly median values
Pollutant 3: SPM (column caption: see A6.1)

Station code PPCVVSSSPLTM		Status code OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP 83
032011010347	KOBENHAVN	1	.	.	.	.	.	.	.	-1	-3	.	.
032011030347	KOBENHAVN	.	.	.	.	-3	.	.	.	.	.	5	.
032012100347	KOBENHAVN	.	.	.	.	-1	.	.	.	.	.	.	.
032012210347	KOBENHAVN	1	.	.	.	-2	.	.	.	.	.	.	.
032013420347	KOBENHAVN	3	.	.	.	.	.	.	.	.	.	.	.
032013480347	KOBENHAVN	.	.	.	.	.	.	.	.	-5	-1	.	.
034018150347	AALBORG	1	.	.	.	.	.	.	.	.	.	.	.
034029150347	ODENSE	3	.	.	.	.	.	.	.	.	.	.	.
035015650347	ESBJERG	1	.	.	.	.	.	.	.	.	.	.	.
035025150347	FREDERICIA	3	.	.	.	.	.	.	.	-5	.	.	.
035033510347	NAESTVED	1	.	.	.	.	.	.	.	.	.	.	.
035046350347	RANDERS	1	.	.	.	.	.	.	.	.	.	.	.
044040040318	ROUEN	.	.	.	.	.	.	.	.	.	.	.	.
044070070318	CAEN - AGGLO	.	.	.	.	.	.	.	.	.	5	.	.
045040050318	DUNKERQUE	.	.	.	.	.	.	.	.	.	5	.	.
045040070318	DUNKERQUE	.	.	.	.	1	.	.	.	.	1	.	.
045040110318	DUNKERQUE	.	.	.	.	.	.	.	.	.	5	.	.
045040130318	DUNKERQUE	.	.	.	.	.	.	.	.	.	1	.	.
062010010315	TORINO	.	.	.	2	.	.	.	.	.	.	.	.
062010020315	TORINO	.	.	3	.	.	.	.	.	.	.	.	.
062010030315	TORINO	.	.	.	-5	.	.	.	.	.	.	.	.
064040030315	BOLZANO	.	.	.	.	.	.	.	.	1	.	.	-5
064080010315	PESCARA	.	.	.	.	.	.	.	.	.	.	.	.

Status of the isolated extremum of the monthly median value
Pollutant 4: Acid (column caption: see A6.1)

Station code PPCVVSSSPLTM		Status code OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP 83
012010010403	BRUXELLES	.	.	.	.	.	.	.	.	.	.	.	.
012010020403	BRUXELLES	.	.	.	.	.	.	.	.	.	.	.	.
012010080403	BRUXELLES	1	.	.	.	.	.	.	.	.	.	.	.
012010170403	BRUXELLES	.	.	.	.	5	.	.	.	.	.	.	.
012010220403	BRUXELLES	.	.	.	-1	.	.	.	.	.	.	.	.
012010260403	BRUXELLES	.	.	.	.	5	.	.	.	.	.	.	.
013018010403	ANTWERPEN	.	.	1	.	.	.	.	.	.	.	.	.
013018090403	ANTWERPEN	.	.	5	.	.	.	.	.	.	.	.	.
013018120403	ANTWERPEN	5	.	.	.	.	.	.	.	.	.	.	.
013018130403	ANTWERPEN	.	.	1	.	.	.	.	.	.	.	.	.
013018180403	ANTWERPEN	.	.	.	.	.	.	.	.	.	.	.	.
013018260403	ANTWERPEN	.	.	1	.	.	.	.	.	.	.	.	.
014015010403	CHARLEROI	.	-1	.	.	.	.	.	.	.	.	.	.
014015040403	CHARLEROI	.	.	.	.	5	.	.	.	.	.	.	.
014015050403	CHARLEROI	.	.	.	.	5	.	.	.	.	.	.	.
014015090403	CHARLEROI	.	.	.	.	1	.	.	.	.	.	.	.
014015130403	CHARLEROI	.	.	.	.	1	.	.	.	.	.	.	.
014015140403	CHARLEROI	.	.	.	.	1	.	.	.	.	.	.	.
014027010403	GENT	.	-1	.	.	.	.	.	.	.	.	2	.
014027060403	GENT	.	.	.	.	.	.	.	.	.	1	.	.
014027070403	GENT	.	.	.	.	.	.	.	.	.	3	.	.
014027090403	GENT	.	.	.	.	.	.	.	.	.	4	.	.
014027120403	GENT	.	.	.	.	.	.	.	.	.	.	.	.
015016050403	BRUGGE	.	.	.	.	.	.	.	.	.	.	.	.
015026030403	KORTRIJK	.	.	.	.	5	.	.	.	.	.	.	.
015033020403	LIBRAMONT	.	.	.	.	4	.	.	.	.	.	.	.
041010110411	PARIS	.	.	.	.	.	.	.	.	.	.	.	.
041010170411	PARIS	.	.	.	.	1	.	.	.	.	.	.	.
041010490411	PARIS	.	.	.	.	.	.	.	.	.	.	.	-1
041010650411	PARIS	.	.	.	.	5	.	.	.	.	.	.	.
041010990411	PARIS	.	.	.	.	2	.	.	.	.	.	.	.
042010010411	LYON	.	.	.	1	.	.	.	.	.	.	.	.
042010080411	LYON	.	.	.	5	.	.	.	.	.	.	.	.
042010160411	LYON	.	.	.	1	1	.	.	.	.	.	.	.
042020010408	MARSEILLE	.	.	.	.	.	.	.	.	.	.	.	.
043020050411	LILLE-ROUB.-	.	.	.	.	5	.	.	.	.	.	.	-5
043020100408	LILLE-ROUB.-	.	.	.	.	.	.	.	.	.	.	.	.
044010010408	CLERMONT-FER	-1	.	.	.	.	.	.	.	.	.	.	.
044010020408	CLERMONT-FER	-1	.	.	.	.	.	.	.	.	.	.	.
044010040408	CLERMONT-FER	-1	.	.	.	.	.	.	.	.	1	.	.
044010080408	CLERMONT-FER	.	.	.	.	.	.	.	.	.	5	.	.
044010330408	CLERMONT-FER	.	.	.	1	.	.	.	.	.	.	.	.
044020120411	LE HAVRE	.	1	.	.	5	.	.	.	.	.	.	.
044020210411	LE HAVRE	.	.	.	.	.	.	.	.	.	.	.	.
044020320411	LE HAVRE	.	.	.	.	.	.	.	.	.	.	.	.
044031000411	NANTES	.	.	.	.	3	.	.	.	.	.	.	.

Status of the isolated extremum of the monthly median values
Pollutant 4: Acid (column caption: see A6.1)

Station code PPCVVSSSPLTM	Status code OCT 82	NOV	DEC	JAN 83	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP 83
044031030411 NANTES	.	3	.	.	.	.	.	.	.	.	.	.
044031040411 NANTES	.	.	.	.	.	.	.	.	.	.	.	.
044031060411 NANTES	.	.	.	.	.	.	.	.	.	.	.	.
044031130411 NANTES	.	.	.	.	5	.	.	.	.	.	.	.
044031150411 NANTES	.	.	.	.	5	.	.	.	.	.	.	.
044040010411 ROUEN	.	.	.	.	.	-1	2	.	.	.	.	.
044040040411 ROUEN	.	.	.	.	.	.	.	.	.	.	-3	.
044040060411 ROUEN	.	.	.	.	.	.	.	.	.	.	.	.
044040070411 ROUEN	.	.	.	.	.	.	.	.	.	.	-1	.
044040080411 ROUEN	.	.	.	.	5	.	.	.	.	.	.	.
044040110411 ROUEN	.	.	.	2	.	.	.	.	.	.	.	.
044070070408 CAEN - AGGLO	.	.	.	.	5	.	.	.	.	.	.	.
045020190411 FOS-BERRE	.	.	.	.	5	.	.	.	.	.	.	.
045030170411 VIGNEUX DE B	.	.	.	.	.	.	.	.	.	.	.	.
053010010404 DUBLIN	.	.	.	.	.	.	.	.	.	.	.	.
053010040404 DUBLIN	.	.	.	.	.	.	.	.	.	2	.	.
053010070404 DUBLIN	.	.	.	.	.	.	.	.	.	.	.	1
053010100404 DUBLIN	.	.	.	.	.	.	.	.	3	.	.	.
053011030404 DUBLIN	.	.	.	.	.	.	.	.	.	.	2	.
055010010406 GALWAY	.	.	.	.	.	.	.	.	.	.	.	.
075013530401 LUXEMBOURG-V	.	.	.	.	5	.	.	.	.	.	.	.
075033600401 STEINFORT	.	.	.	.	.	.	.	.	.	.	.	.
091010150407 GREATER LOND	.	.	.	-3	.	.	.	.	.	.	.	.
091021150407 GREATER MANC	.	.	.	.	.	.	.	.	.	.	.	.
091022130407 GREATER MANC	.	.	.	.	.	.	.	.	.	.	.	.
091030260407 W.MIDL.CONUR	.	.	1	.	.	.	.	.	.	.	.	.
092023220407 MERSEYSIDE C	.	.	.	-1	.	.	.	.	.	5	.	.
093010180407 LEEDS	.	.	.	.	.	.	.	.	-1	.	.	.
093010300407 LEEDS	.	.	.	.	.	.	.	.	.	.	-1	.
093020820407 SHEFFIELD	.	.	.	.	1	.	.	.	.	.	.	.
094010110407 BELFAST	.	.	.	.	.	.	.	.	.	-3	.	.
094010150407 BELFAST	.	.	.	.	.	.	.	.	.	-1	.	.
094020120407 CARDIFF	.	.	.	.	.	-1	.	.	.	.	.	.
094030120407 EDINBURGH	.	.	.	.	.	.	.	.	.	1	.	.
094040100407 PORTSMOUTH	.	.	.	.	.	.	.	.	.	.	.	.
094050090407 TEESSIDE	.	.	.	.	.	3	.	.	.	.	.	.
094052290407 TEESSIDE	5	1	.	.	.	.	.	.	.	.	.	.
095020060407 BATH	.	.	.	.	3	.	.	.	.	-3	.	.
095030100407 BEDFORD	.	.	.	.	.	.	.	.	.	.	.	.
095050050407 LINCOLN	.	.	3	.	.	.	.	.	.	.	.	.
053010011902 DUBLIN	.	.	.	.	.	.	.	.	2	.	.	.

ABBREVIATED DESCRIPTIVE TABLES

(based on Commission file TSA)

POLLUTANTS (PL)

01	SO_2
02	SMOKE
03	SPM
04	ACID
19	LEAD
28	CADMIUM

COUNTRY (PP)

01	BELGIQUE - BELGIE
02	BUNDESREPUBLIK DEUTSCHLAND
03	DANMARK
04	FRANCE
05	IRELAND
06	ITALIA
07	LUXEMBOURG
08	NEDERLAND
09	UNITED KINGDOM
11	GREECE

CLASS OF TOWN (C)

1	> 2 M
2	1 - 2 M
3	0.5 - 1 M
4	0.1 - 0.5 M
5	< 0.1 M
6	BACKGROUND STATIONS

COUNTRY/CLASS OF TOWN/TOWN (PPCVV)

Numeric order

01201	BRUXELLES
01301	ANTWERPEN
01401	CHARLEROI
01402	GENT
01403	LIEGE
01501	BRUGGE
01502	KORTRIJK
01503	LIBRAMONT
01504	NAMUR
01699	SITES DE FOND
02101	BERLIN (WEST)
02201	MUENCHEN, BAYERN
02301	DORTMUND
02302	DUISBURG
02303	DUESSELDORF
02304	FRANKFURT-AM-MAIN
02305	NUERNBERG, BAYERN
02306	STUTTGART
02401	AUGSBURG, BAYERN
02402	ERLANGEN, BAYERN
02403	KARLSRUHE
02404	KASSEL, HESSEN
02405	LUDWIGSHAFEN
02406	MANNHEIM
02407	REGENSBURG, BAYERN
02408	WIESBADEN, HESSEN
02409	WUERZBURG, BAYERN
02410	INGOLSTADT, BAYERN
02411	FUERTH, BAYERN
02412	MAINZ
02413	FREIBERG
02501	ASCHAFFENBURG
02502	KELHEIM, BAYERN
02503	HEILBROENN
02504	ULM
02505	SPEIZER
02699	B.R. DEUTSCHLAND
03201	KOBENHAVN
03401	AALBORG
03402	ODENSE
03501	ESBJERG
03502	FREDERICIA
03503	NAESTVED
03504	RANDERS
04101	PARIS
04201	LYON
04202	MARSEILLE

COUNTRY/CLASS OF TOWN/TOWN (PPCVV)

Numeric order

04301	BORDEAUX
04302	LILLE-ROUB.-TOURC.
04303	TOULOUSE
04401	CLERMONT-FERRAND
04402	LE HAVRE
04403	NANTES
04404	ROUEN
04405	STRASBOURG
04406	MONTPELLIER
04407	CAEN - AGGLOMERATION
04501	CALAIS
04502	FOS-BERRE
04503	VIGNEUX DE BRETAGNE
04504	DUNKERQUE FRANCE
04699	SITE DU FOND
05301	DUBLIN
05401	CORK
05501	GALWAY
05502	CORK COUNTY COUNCIL,
05699	BACKGROUND SITES
06101	MILANO
06102	ROMA, ITALIA
06201	TORINO
06302	GENOVA
06401	ANCONA
06402	BARI
06403	BOLOGNA
06404	BOLZANO
06405	LA SPEZIA
06406	MODENA
06407	PADOVA
06408	PESCARA
06409	PIACENZA
06410	TERNI
06411	TRIESTE
06412	VENEZIA
06413	VERONA
06414	FERRARA
06501	AOSTA
06502	ASCOLI PICENO
06503	ASTI
06504	BELLUNO
06505	CREMONA
06506	CUNEO
06507	GELA
06508	MACERATA
06509	PISTOIA
06510	ROVIGO

COUNTRY/CLASS OF TOWN/TOWN (PPCVV)

Numeric order

06511	SASSARI
06512	TARANTO
06513	TRENTO
06514	VERCELLI
06515	POMEZIA
06516	CIVITAVECCHIA
06517	MONTEROTONDO
06518	GUIDONIA
06519	TIVOLI
06520	COLLEFERRO
06521	NETTUNO
06699	POSTI DI SFONDO
07501	LUXEMBOURG-VILLE
07502	ESCH-SUR-ALZETTE
07503	STEINFORT
07699	SITE DE FOND
08301	AMSTERDAM
08302	DEN HAAG
08303	ROTTERDAM
08401	ENSCHEDE
08402	GRONINGEN
08403	TILBURG
08404	UTRECHT
08501	BUSSUM
08502	DEN BOSCH
08503	HILVERSUM
08504	MAASTRICHT
08505	MIDDELBURG
08506	ZWOLLE
08699	LIG.ACHTERGRONDMET.
09101	GREATER LONDON
09102	GREATER MANCHESTER
09103	W.MIDL.CONURBATION
09201	GLASGOW|SURROUNDINGS
09202	MERSEYSIDE CONURB.
09301	LEEDS
09302	SHEFFIELD
09303	TYNESIDE
09401	BELFAST
09402	CARDIFF
09403	EDINBURGH
09404	PORTSMOUTH
09405	TEESSIDE
09501	BARNSLEY
09502	BATH
09503	BEDFORD
09504	EXETER

COUNTRY/CLASS OF TOWN/TOWN (PPCVV)

Numeric order

09505 LINCOLN
09699 BACKGR.SITES FOR U.K

11101 ATHENS
11301 THESSALONIKI
11501 MEGALOPOLI
11502 PTOLEMAIDA

COUNTRY/CLASS OF TOWN/TOWN (PPCVV)

Alphabetical order

03401	AALBORG
08301	AMSTERDAM
06401	ANCONA
01301	ANTWERPEN
06501	AOSTA
02501	ASCHAFFENBURG
06502	ASCOLI PICENO
06503	ASTI
11101	ATHENS
02401	AUGSBURG, BAYERN
02699	B.R. DEUTSCHLAND
09699	BACKGR.SITES FOR U.K
05699	BACKGROUND SITES
06402	BARI
09501	BARNSLEY
09502	BATH
09503	BEDFORD
09401	BELFAST
06504	BELLUNO
02101	BERLIN (WEST)
06403	BOLOGNA
06404	BOLZANO
04301	BORDEAUX
01501	BRUGGE
01201	BRUXELLES
08501	BUSSUM
04407	CAEN - AGGLOMERATION
04501	CALAIS
09402	CARDIFF
01401	CHARLEROI
06516	CIVITAVECCHIA
04401	CLERMONT-FERRAND
06520	COLLEFERRO
05401	CORK
05502	CORK COUNTY COUNCIL,
06505	CREMONA
06506	CUNEO
08502	DEN BOSCH
08302	DEN HAAG
02301	DORTMUND
05301	DUBLIN
02303	DUESSELDORF
02302	DUISBURG
04504	DUNKERQUE FRANCE
09403	EDINBURGH
08401	ENSCHEDE

COUNTRY/CLASS OF TOWN/TOWN (PPCVV)

Alphabetical order

02402	ERLANGEN, BAYERN
03501	ESBJERG
07502	ESCH-SUR-ALZETTE
09504	EXETER
06414	FERRARA
04502	FOS-BERRE
02304	FRANKFURT-AM-MAIN
03502	FREDERICIA
02413	FREIBERG
02411	FUERTH, BAYERN
05501	GALWAY
06507	GELA
06302	GENOVA
01402	GENT
09201	GLASGOW|SURROUNDINGS
09101	GREATER LONDON
09102	GREATER MANCHESTER
08402	GRONINGEN
06518	GUIDONIA
02503	HEILBROENN
08503	HILVERSUM
02410	INGOLSTADT, BAYERN
02403	KARLSRUHE
02404	KASSEL, HESSEN
02502	KELHEIM, BAYERN
03201	KOBENHAVN
01502	KORTRIJK
06405	LA SPEZIA
04402	LE HAVRE
09301	LEEDS
01503	LIBRAMONT
01403	LIEGE
08699	LIG.ACHTERGRONDMET.
04302	LILLE-ROUB.-TOURC.
09505	LINCOLN
02405	LUDWIGSHAFEN
07501	LUXEMBOURG-VILLE
04201	LYON
08504	MAASTRICHT
06508	MACERATA
02412	MAINZ
02406	MANNHEIM
04202	MARSEILLE

COUNTRY/CLASS OF TOWN/TOWN (PPCVV)

Alphabetical order

11501	MEGALOPOLI
09202	MERSEYSIDE CONURB.
08505	MIDDELBURG
06101	MILANO
06406	MODENA
06517	MONTEROTONDO
04406	MONTPELLIER
02201	MUENCHEN, BAYERN
03503	NAESTVED
01504	NAMUR
04403	NANTES
06521	NETTUNO
02305	NUERNBERG, BAYERN
03402	ODENSE
06407	PADOVA
04101	PARIS
06408	PESCARA
06409	PIACENZA
06509	PISTOIA
06515	POMEZIA
09404	PORTSMOUTH
06699	POSTI DI SFONDO
11502	PTOLEMAIDA
03504	RANDERS
02407	REGENSBURG, BAYERN
06102	ROMA, ITALIA
08303	ROTTERDAM
04404	ROUEN
06510	ROVIGO
06511	SASSARI
09302	SHEFFIELD
07699	SITE DE FOND
04699	SITE DU FOND
01699	SITES DE FOND
02505	SPEIZER
07503	STEINFORT
04405	STRASBOURG
02306	STUTTGART
06512	TARANTO
09405	TEESSIDE
06410	TERNI
11301	THESSALONIKI
08403	TILBURG
06519	TIVOLI

COUNTRY/CLASS OF TOWN/TOWN (PPCVV)

Alphabetical order

06201	TORINO
04303	TOULOUSE
06513	TRENTO
06411	TRIESTE
09303	TYNESIDE
02504	ULM
08404	UTRECHT
06412	VENEZIA
06514	VERCELLI
06413	VERONA
04503	VIGNEUX DE BRETAGNE
09103	W.MIDL.CONURBATION
02408	WIESBADEN, HESSEN
02409	WUERZBURG, BAYERN
08506	ZWOLLE