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Annual Summary

National Air Pollution Surveillance

Surveillance nationale de la pollution atmosphérique

Extrait annuel

1972

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EPS 5-AP-73-15

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November 1973

Rapport de surveillance
EPS 5-AP-73-15

Direction générale de
la lutte contre la pollution
atmosphérique
Novembre 1973

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AA:70.04

NATIONAL AIR POLLUTION SURVEILLANCE

ANNUAL SUMMARY

FOR

1972

Compiled by the

Air Pollution Control Directorate
Environmental Protection Service
Department of the Environment

From data collected by the Provinces of:

Newfoundland
Nova Scotia
New Brunswick
Quebec
Ontario
Manitoba
Saskatchewan
Alberta
British Columbia
and the Government of Canada

Issued under the authority of the
Honourable Jack Davis, P.C., M.P.,
Minister of the Environment

Report EPS 5-AP-73-15

November 1973

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SURVEILLANCE NATIONALE DE LA POLLUTION ATMOSPHÉRIQUE

SOMMAIRE ANNUEL

DE

1972

Compilé par la

Direction de la prévention de la pollution atmosphérique
Service de Protection de l'Environnement
Ministère de l'Environnement

Extrait de données recueillies par les provinces de:

Terre-Neuve
Nouvelle-Écosse
Nouveau-Brunswick
Québec
Ontario
Manitoba
Saskatchewan
Alberta
Colombie-Britannique
et par le gouvernement du Canada

Publication autorisée par
l'honorable Jack Davis, C.P., DÉPUTÉ
Ministre de l'Environnement

Rapport EPS 5-AP-73-15

novembre 1973

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Foreword

The National Air Pollution Surveillance Program is a joint project based on the cooperative efforts of both the Federal and Provincial levels of government.

A knowledge of the nature and extent of air pollution across Canada is fundamental to the sound planning of control and abatement programs. In its broadest context, therefore, the purpose of the National Air Pollution Surveillance Program is to monitor and assess the quality of the ambient air in the populated regions of Canada on a continuing basis. In addition, however, the program serves a number of other needs and in this respect will become increasingly more useful as data accumulates. For example, it will be possible to detect trends in the levels of pollution with the passage of time and with respect to changing industrial activity, population density and air pollution abatement progress. Information collected by the program can be used in epidemiological studies and to provide background for the development of air quality objectives.

An important first step in achieving the goals of this program was the monthly reporting of data commencing in January, 1970. An annual summary commenced with the year 1970.

Avant-propos

Le programme national de surveillance de la pollution atmosphérique est un projet mixte basé sur les efforts collectifs des gouvernements fédéral et provinciaux.

Une connaissance de la nature et de l'étendue de la pollution de l'air dans tout le Canada est essentielle à la bonne planification des programmes de prévention et de réduction de la pollution. Dans son contexte le plus large, l'objectif du programme national de surveillance de la pollution atmosphérique est donc de surveiller et d'évaluer, sur une base continue, la qualité de l'air ambiant dans les régions peuplées du Canada. Ce programme répond cependant à un certain nombre d'autres besoins et, à ce titre, il deviendra de plus en plus utile à mesure que les données s'accumuleront. Par exemple, avec le temps, il sera possible de repérer les tendances des niveaux de pollution, compte tenu des variations d'activité industrielle, de la densité de population, et du progrès accompli dans la réduction de la pollution atmosphérique. Les renseignements recueillis par ces programmes peuvent être utilisés dans les études épidémiologiques et servir de fond à l'élaboration des objectifs de la qualité de l'air.

La publication d'un rapport mensuel, depuis janvier 1970, fût une étape importante dans l'accomplissement de l'objectif du programme. On publie également depuis 1970 un extrait annuel.

Cooperating Agencies

Environmental Management & Control Division,
Department of Provincial Affairs & Environment,
Province of Newfoundland.

Environmental Control Commission,
Province of Prince Edward Island.

Consultation Services,
Department of Public Health,
Province of Nova Scotia.

Public Health Services,
Department of Health,
Province of New Brunswick.

Environmental Protection Services,
Department of Municipal Affairs,
Province of Quebec.

Air Management Branch,
Ministry of the Environment,
Province of Ontario.

Environmental Health Laboratory,
Department of Mines, Resources and
Environmental Management,
Province of Manitoba.

Air Pollution Control Branch,
Department of the Environment,
Province of Saskatchewan.

Division of Pollution Control,
Department of the Environment,
Province of Alberta.

Pollution Control Branch,
Department of Lands, Forests and Water Resources,
Province of British Columbia.

Air Pollution Control Directorate,
Department of the Environment.

Organismes collaborateurs

Environmental Management & Control Division,
Ministère des Affaires Provinciales & de l'Environnement,
Province de Terre-Neuve.

Environmental Control Commission,
Province de l'Ile-du-Prince Edouard.

Consultation Services,
Ministère de la Santé publique,
Province de la Nouvelle-Ecosse.

Public Health Services,
Ministère de la Santé,
Province du Nouveau-Brunswick.

Service de Protection de l'Environnement,
Ministère des Affaires Municipales,
Province de Québec.

Air Management Branch,
Ministère de l'Environnement,
Province de l'Ontario.

Environmental Health Laboratory,
Ministère de la gestion des Mines,
des Ressources et de l'Environnement,
Province du Manitoba.

Air Pollution Control Branch,
Ministère de l'Environnement,
Province de la Saskatchewan.

Division of Pollution Control,
Ministère de l'Environnement,
Province de l'Alberta.

Pollution Control Branch,
Ministère des Ressources Naturelles,
Province de la Colombie-Britannique.

Direction de la prévention de la pollution atmosphérique,
Ministère de l'Environnement.

The National Air Pollution
Surveillance Network

Sampling stations providing data for this summary are located in the following Canadian cities:

Le réseau national de surveillance
de la pollution atmosphérique

Les stations d'échantillonnage qui fournissent les données pour le présent sommaire sont situées dans les villes canadiennes suivantes:

St. John's	Sault Ste. Marie
Halifax	Thunder Bay
Sydney	London
Glace Bay	Sarnia
Saint John	Peterborough
Moncton	Winnipeg
Montreal	Regina
Hull	Saskatoon
Quebec City	Moose Jaw
Sherbrooke	Prince Albert
Chicoutimi	Edmonton
Ottawa	Calgary
Windsor	Red Deer
Kingston	Medicine Hat
Toronto	Lethbridge
Hamilton	Vancouver
Sudbury	Victoria



NATIONAL AIR POLLUTION
SURVEILLANCE NETWORK
(SEPTEMBER, 1973)

Explanatory Note

The data reported in this summary have been gathered by cooperating agencies across Canada and forwarded to the Federal Department of the Environment for compilation. As of September, 1973, the program consisted of 347 sampling instruments in 42 cities across ten provinces and the two territories. Measurements are being made for soiling index, sulphur dioxide, dustfall, sulphation rate, suspended particulates, lead, carbon monoxide, oxides of nitrogen, ozone, and hydrocarbons. In some cases, the data may not represent the total contribution of the participating agency since only representative stations have been included.

In addition to coordinating the National Air Pollution Surveillance Program, the Federal Government is, in a number of locations, providing the monitoring equipment for sampling stations which are operated by a cooperating agency. The Federal Air Pollution Control Directorate also operates its own sampling stations in Ottawa, Hull and Windsor.

The program is gradually being expanded to other cities and additional stations are being included and will be reported as they become operational. It is intended eventually to broaden the network to include other pollution indices. Future plans call for increased standardization, a national reference centre for sampling methodology and a calibration service to facilitate the comparability of results from different agencies.

The reader will, no doubt, wish to make direct comparisons of the pollution levels in different cities. Caution should be exercised in this regard since undefinable differences in results can occur due to varying factors. These may include any or all of the following:

Different climatic conditions existing in the different locations.

Different sampling equipment, sampling procedures and analytical techniques.

Interference from local emissions.

This summary is divided into six main sections, each covering a separate pollution index. Each sampling station is identified by a code which defines its location. The first digit of the code indicates the province, the second and third digits the city, while the fourth and fifth digits indicate the station locations within the city. A letter has been used to denote the class of station, i.e. Commercial (C), Residential (R), or Industrial (I). The ownership of the equipment is also noted as Municipal (M), Provincial (P) or Federal (F). A description of the methodology employed and a listing of the appropriate sampling locations will be found at the beginning of each section.

Note explicative

Les données contenues dans le présent sommaire annuel ont été recueillies par les organismes collaborateurs dans tout le Canada et acheminées au ministère fédéral de l'Environnement pour compilation. Depuis septembre, 1973, le programme comporte 347 instruments d'échantillonnage dans 42 villes des dix provinces et les deux territoires. On y fait les mesures suivantes: l'indice de souillure, l'anhydride sulfureux, les retombées de poussières, l'indice de formation de sulfate, les particules en suspension, le plomb, le monoxyde de carbone, les oxydes d'azote, l'ozone, et les hydrocarbures. Dans certains cas, les données ne représentent qu'une partie de la contribution totale des organismes collaborateurs, étant donné que seuls les résultats des stations représentatives y sont inclus.

En plus de coordonner le programme national de surveillance de la pollution atmosphérique, le gouvernement fédéral, dans un certain nombre d'endroits, fournit aux organismes collaborateurs les appareils de surveillance employés dans ces stations. La Direction fédérale de la prévention de la pollution atmosphérique assure le fonctionnement de ses propres stations d'échantillonnage à Ottawa, à Hull et à Windsor.

Le programme s'étend graduellement à d'autres villes: des stations supplémentaires viendront s'y ajouter et feront l'objet d'un compte-rendu au fur et à mesure de leur mise en marche. L'addition de nouveaux indices à ceux déjà mesurés fait aussi partie de l'objectif du programme. Les plans d'avenir prévoient enfin une normalisation accrue, un centre national de référence pour la méthodologie de l'échantillonnage et un service d'étalonnage pour faciliter l'intercomparabilité des résultats obtenus par différents organismes.

Le lecteur voudra sans doute faire des comparaisons directes des niveaux de pollution des différentes villes. Sur ce point, il faudrait faire preuve d'une certaine prudence, étant donné que des différences indéfinissables dans les résultats peuvent se produire en raison de facteurs variables. Ces différences peuvent comprendre un ou l'ensemble des éléments suivants:

Les différentes conditions climatiques des différents secteurs.

Une différence dans les appareils, et méthodes d'échantillonnage ainsi que dans les techniques analytiques.

L'interférence par des émissions locales.

Le présent sommaire est divisé en six sections principales, chacune couvrant un indice de pollution différent. Chaque station d'échantillonnage est identifiée par un code qui définit son emplacement. Le premier chiffre du code identifie la province, le deuxième et le troisième chiffres la ville, alors que le quatrième et le cinquième identifient l'emplacement de la station dans la ville. Une lettre indique le genre de station, c'est-à-dire commerciale (C), résidentielle (R) ou industrielle (I). Une description de la méthode employée et une liste des stations d'échantillonnage se trouvent au début de chaque section. Les lettres M, P et F désignent les propriétaires des appareils; (M) désigne les municipalités (P) les provinces et (F) le gouvernement fédéral.

Sulphur Dioxide

Sulphur Dioxide is measured continuously in three ways. In all instruments air passes at a controlled rate through a scrubber where the sulphur dioxide gas dissolves in a liquid medium. Subsequent analysis may be carried out by means of conductivity (CON) when the scrubbing solution is a dilute mixture of sulphuric acid and hydrogen peroxide, colorimetry (COL) when the West and Gaeke absorbing solution is used or coulometry (COU) when a bromine or iodine reagent is used.

The tabulation of results gives percentiles of the distribution; maximum and minimum observed SO_2 values; annual arithmetic mean; standard deviation and percentage of data available based on 1-hour SO_2 values and daily means. Accompanying each table is a graphical display in histogram form of the monthly arithmetic mean of daily average values. All values are expressed in units of parts per hundred million (pphm) by volume of air sampled.

Anhydride sulfureux (SO_2)

L'échantillonnage continu de l'anhydride sulfureux s'effectue en faisant passer de l'air à une vitesse contrôlée à travers un milieu liquide qui吸orbe l'anhydride sulfureux. Le dosage peut se faire de 3 façons; soit par conductivité (CON), lorsque la solution absorbante est un mélange dilué d'acide sulfurique et de peroxyde d'hydrogène, par colorimétrie (COL), si la solution absorbante est celle de West et Gaeke, ou par coulométrie (COU), qui nécessite alors l'emploi d'une solution de brome ou d'iode.

Le tableau des résultats donne les centiles de la courbe de distribution; les concentrations maximales et minimales du SO_2 ; la moyenne arithmétique annuelle; l'écart-type, le pourcentage de données disponibles pour les concentrations horaires du SO_2 et les moyennes journalières. Un histogramme de la moyenne arithmétique mensuelle des valeurs moyennes journalières accompagne chaque tableau. Toutes les valeurs sont exprimées en parties par cent millions d'air échantillonné.

STATIONS MEASURING SULPHUR DIOXIDE LEVELS

STATIONS MESURANT LES VALEURS D'ANHYDRIDE SULFUREUX

30101	C,F,COU	HALIFAX, N.S. TECHNICAL COLLEGE
40201	C,F,COU	SAINT JOHN, 110 CHARLOTTE ST.
50101	R,P,COU	MONTREAL, JARRY PARK
50102	R,P,COU	MONTREAL, BOTANICAL GARDENS
50103	R,P,COU	MONTREAL, POINTE AUX TREMBLES
50104	C,M,COL	MONTREAL, 1125 ONTARIO
50105	C,M,COL	MONTREAL, 1212 DRUMMOND
50106	R,P,COL	MONTREAL, VILLE ST. LAURENT
50107	R,P,COU	MONTREAL, VILLE LASALLE
50201	C,F,COU	HULL, RUE PRINCIPALE
60101	C,F,COU	OTTAWA, SLATER AND ELGIN
60201	I,P,COU	WINDSOR, MORTON TERMINAL DOCK
60204	C,P,COU	WINDSOR, 471 UNIVERSITY AVE.
60401	C,P,COU	TORONTO, 67 COLLEGE ST.
60402	R,P,COU	TORONTO, DON MILLS, SCI. CENTRE
60403	I,P,COU	TORONTO, EVANS/ARNOLD
60407	C,P,COU	TORONTO, CITY HALL
60501	C,P,COU	HAMILTON, BARTON/WENTWORTH
60505	R,P,COU	HAMILTON, NORTH PARK
60602	R,P,COU	SUDBURY, ASH STREET
60901	C,P,COU	LONDON, KING-RECTORY
61001	C,P,COU	SARNIA, 156 VICTORIA ST.
70101	C,P,COU	WINNIPEG, KENNEDY AND YORK AVE.
70102	R,F,COU	WINNIPEG, PORTAGE AT WOODLAND

70103	R,F,COU	WINNIPEG, HARTFORD AT MAIN
70104	I,F,COU	WINNIPEG, UNION STOCK YARDS
80108	C,F,COU	REGINA, 12TH AND SMITH
90114	C,F,COU	EDMONTON, 109 ST. AND 98 AVE.
90121	I,F,COU	EDMONTON, 17 ST. AND 103 AVE.
90218	I,F,COU	CALGARY, BONNYBROOK RD., S.E.
90219	C,F,COU	CALGARY, 620-7 AVE., S.W.
00105	C,F,COU	VANCOUVER, 739 W. HASTINGS ST.
00106	R,F,COU	VANCOUVER, 2294 W. 10 ST.
00107	I,F,COU	VANCOUVER, 75 RIVERSIDE DR.
00301	C,F,COU	VICTORIA, POLICE STN. (FISGUARD)

SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRIDE SULFUREUX

LOCATION HALIFAX
STATION 30101C N.S. TECHNICAL COLLEGE

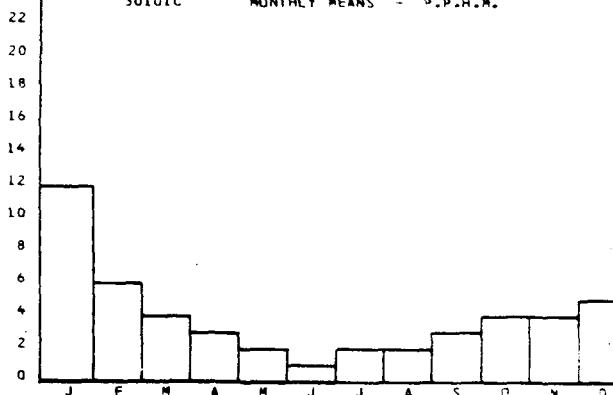
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ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
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ANNUAL MEAN 3.27 MOYENNE ANNUELLE
STANDARD DEVIATION 3.54 ECART-TYPE
% OF DATA AVAILABLE 73 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
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ANNUAL MEAN 3.25 MOYENNE ANNUELLE
STANDARD DEVIATION 2.51 ECART-TYPE
% OF DATA AVAILABLE 85 % DE DONNEES DISPONIBLES

30101C MONTHLY MEANS - P.P.H.M.



13

LOCATION SAINT JOHN
STATION 40201C 110 CHARLOTTE ST.

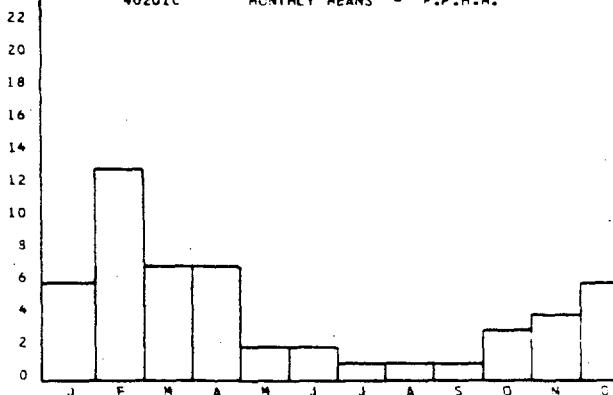
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STANDARD DEVIATION 5.54 ECART-TYPE
% OF DATA AVAILABLE 61 % DE DONNEES DISPONIBLES

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ANNUAL MEAN 4.40 MOYENNE ANNUELLE
STANDARD DEVIATION 5.01 ECART-TYPE
% OF DATA AVAILABLE 78 % DE DONNEES DISPONIBLES

40201C MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRIDE SULFUREUX

LOCATION MONTREAL
STATION 50101R JARRY PARK

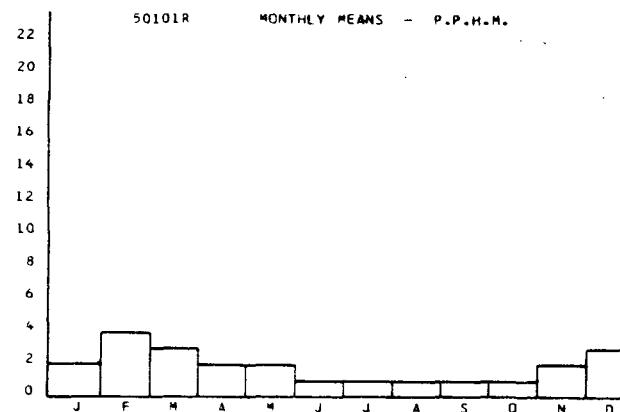
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ANNUAL MEAN 1.87 MOYENNE ANNUELLE
STANDARD DEVIATION 1.35 ECART-TYPE
% OF DATA AVAILABLE 85 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
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ANNUAL MEAN 1.89 MOYENNE ANNUELLE
STANDARD DEVIATION 1.04 ECART-TYPE
% OF DATA AVAILABLE 90 % DE DONNEES DISPONIBLES

50101R MONTHLY MEANS - P.P.H.M.



LOCATION MONTREAL
STATION 50102R BOTANICAL GARDENS

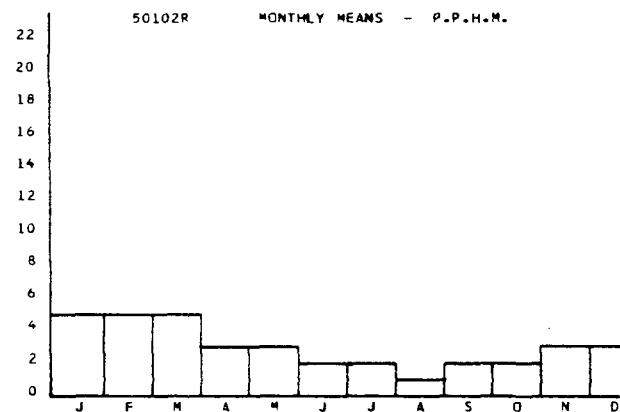
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ANNUAL MEAN 2.92 MOYENNE ANNUELLE
STANDARD DEVIATION 2.21 ECART-TYPE
% OF DATA AVAILABLE 90 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
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ANNUAL MEAN 2.92 MOYENNE ANNUELLE
STANDARD DEVIATION 1.80 ECART-TYPE
% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES

50102R MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRODE SULFUREUX

LOCATION MONTREAL
STATION 50103R POINTE AUX TREMBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE

NO DATA AVAILABLE

PAS DE DONNEES DISPONIBLES

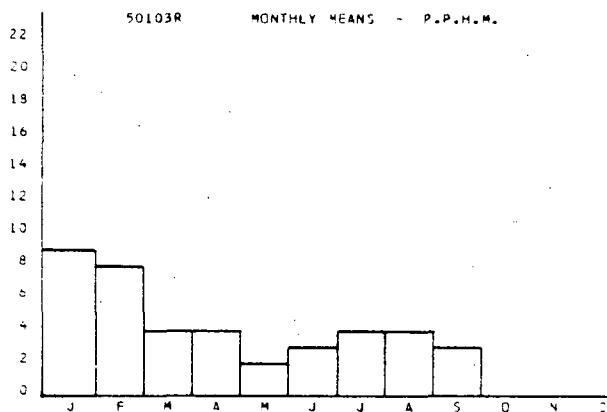
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES

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ANNUAL MEAN 4.52 MOYENNE ANNUELLE

STANDARD DEVIATION 4.36 ECART-TYPE

% OF DATA AVAILABLE 68 % DE DONNEES DISPONIBLES



15

LOCATION MONTREAL
STATION 50104C 1125 ONTARIO

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE

NO DATA AVAILABLE

PAS DE DONNEES DISPONIBLES

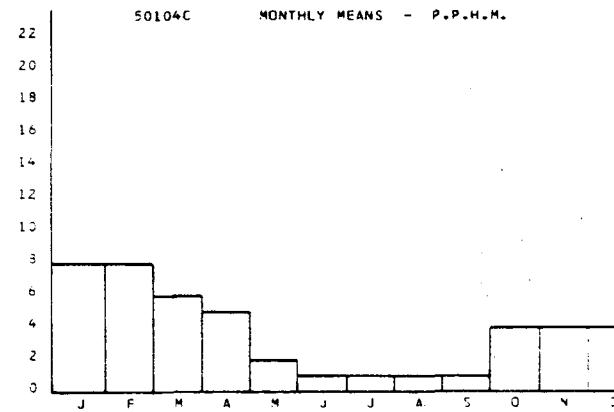
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES

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ANNUAL MEAN 3.70 MOYENNE ANNUELLE

STANDARD DEVIATION 3.24 ECART-TYPE

% OF DATA AVAILABLE 99 % DE DONNEES DISPONIBLES



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDROIDE SULFUREUX

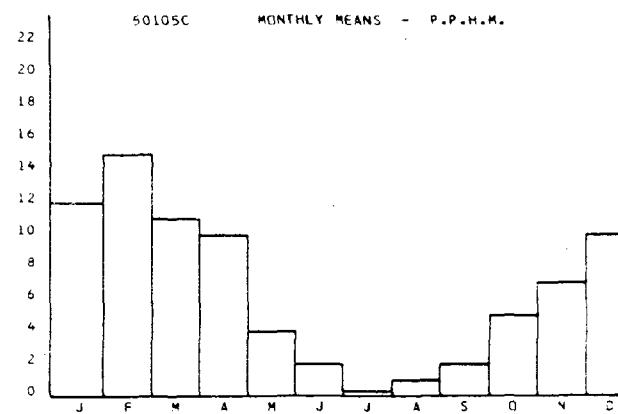
LOCATION MONTREAL
STATION 50105C 1212 DRUMMOND

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE

NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
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ANNUAL MEAN 6.61 MOYENNE ANNUELLE
STANDARD DEVIATION 5.29 Ecart-type
% OF DATA AVAILABLE 99 % DE DONNEES DISPONIBLES



1

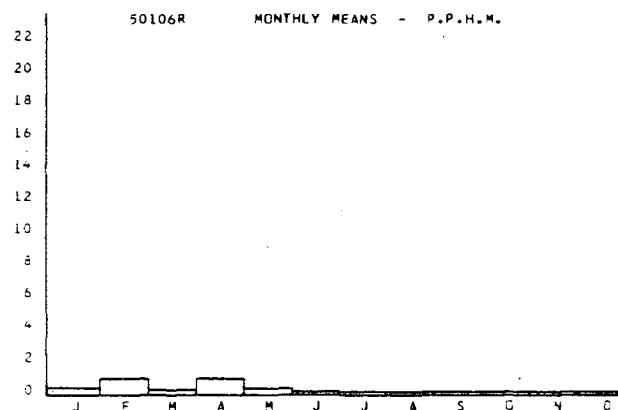
LOCATION MONTREAL
STATION 50106R VILLE ST. LAURENT

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE

NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 3.2 5.0

ANNUAL MEAN 0.19 MOYENNE ANNUELLE
STANDARD DEVIATION 0.64 Ecart-type
% OF DATA AVAILABLE 93 % DE DONNEES DISPONIBLES



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRODE SULFUREUX

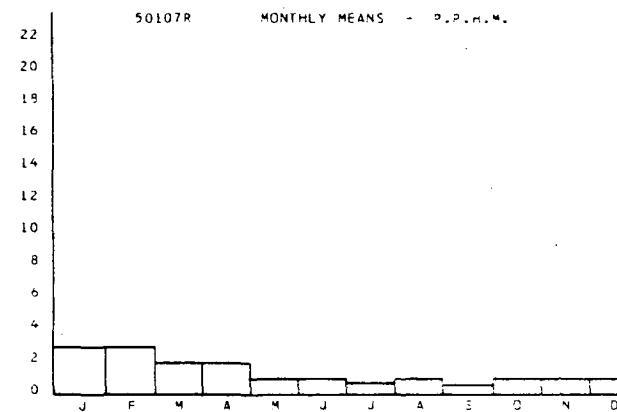
LOCATION MONTREAL
STATION 50107R VILLE LASALLE

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE

NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.1 0.4 0.6 0.9 1.4 2.0 2.9 4.9 7.0

ANNUAL MEAN 1.42 MOYENNE ANNUELLE
STANDARD DEVIATION 1.32 ECART-TYPE
% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES



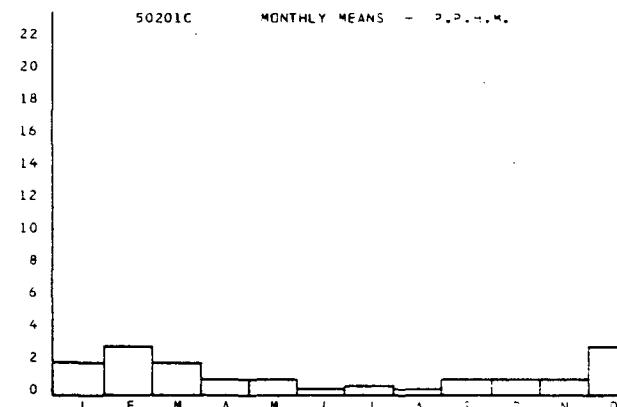
LOCATION HULL
STATION 50201C RUE PRINCIPALE

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.2 0.6 1.0 1.8 3.2 7.6 13.0

ANNUAL MEAN 1.30 MOYENNE ANNUELLE
STANDARD DEVIATION 1.79 ECART-TYPE
% OF DATA AVAILABLE 79 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.2 0.5 0.8 1.2 1.7 2.9 5.8 9.4

ANNUAL MEAN 1.33 MOYENNE ANNUELLE
STANDARD DEVIATION 1.42 ECART-TYPE
% OF DATA AVAILABLE 95 % DE DONNEES DISPONIBLES



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRODE SULFUREUX

LOCATION OTTAWA
STATION 60101C SLATER AND ELGIN

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE

MIN.	10	20	30	40	50	60	70	80	90	99	MAX.
0.0	0.0	0.0	0.1	0.5	1.0	1.7	2.9	5.0	8.7	16.5	36.0

ANNUAL MEAN 3.10 MOYENNE ANNUELLE

STANDARD DEVIATION 4.03 ECART-TYPE

% OF DATA AVAILABLE 83 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES

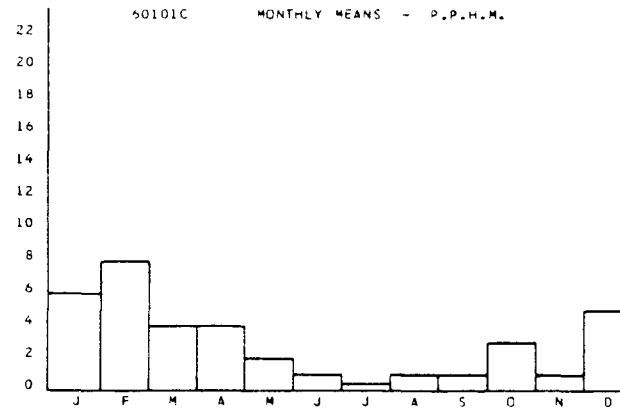
MIN.	10	20	30	40	50	60	70	80	90	99	MAX.
0.0	0.0	0.1	0.5	0.9	1.4	2.0	3.2	4.8	7.3	13.5	16.3

ANNUAL MEAN 3.03 MOYENNE ANNUELLE

STANDARD DEVIATION 3.22 ECART-TYPE

% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES

60101C MONTHLY MEANS - P.P.H.M.



18

LOCATION WINDSOR
STATION 602011 MORTON TERMINAL DOCK

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE

MIN.	10	20	30	40	50	60	70	80	90	99	MAX.
0.0	0.0	0.0	0.4	0.8	1.3	1.9	2.5	3.3	4.7	12.4	35.0

ANNUAL MEAN 2.43 MOYENNE ANNUELLE

STANDARD DEVIATION 2.63 ECART-TYPE

% OF DATA AVAILABLE 78 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES

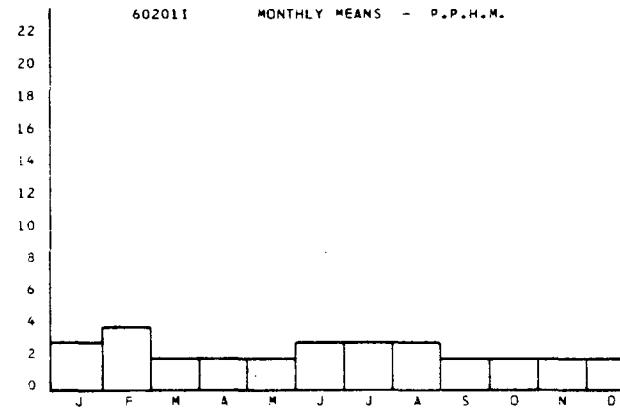
MIN.	10	20	30	40	50	60	70	80	90	99	MAX.
0.0	0.1	0.6	1.1	1.4	1.7	2.1	2.6	3.0	4.0	8.0	15.8

ANNUAL MEAN 2.45 MOYENNE ANNUELLE

STANDARD DEVIATION 1.76 ECART-TYPE

% OF DATA AVAILABLE 82 % DE DONNEES DISPONIBLES

602011 MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRODE SULFUREUX

LOCATION WINDSOR
STATION 60204C 471 UNIVERSITY AVE

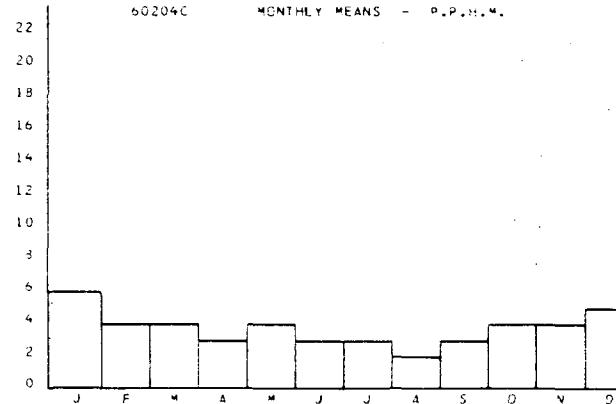
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.3 0.9 1.4 1.9 2.6 3.4 4.6 7.3 21.0 57.0

ANNUAL MEAN 3.63 MOYENNE ANNUELLE
STANDARD DEVIATION 4.62 ECART-TYPE
% OF DATA AVAILABLE 99 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.6 1.2 1.6 1.9 2.4 2.9 3.7 4.7 6.2 16.2 19.8

ANNUAL MEAN 3.62 MOYENNE ANNUELLE
STANDARD DEVIATION 2.83 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

60204C MONTHLY MEANS - P.P.H.M.



LOCATION TORONTO
STATION 60401C 67 COLLEGE STREET

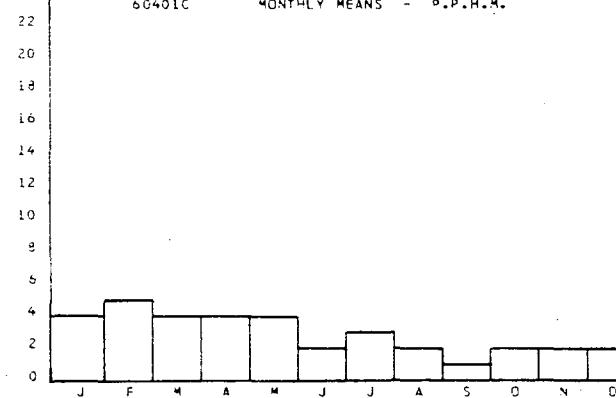
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.2 0.7 1.3 1.8 2.5 3.2 4.1 5.7 13.4 36.0

ANNUAL MEAN 2.96 MOYENNE ANNUELLE
STANDARD DEVIATION 2.96 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.1 0.7 1.2 1.7 2.2 2.6 3.1 3.2 5.1 11.2 14.3

ANNUAL MEAN 2.97 MOYENNE ANNUELLE
STANDARD DEVIATION 2.15 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

60401C MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRODE SULFUREUX

LOCATION TORONTO
STATION 60402R DON MILLS, SCI. CENTRE

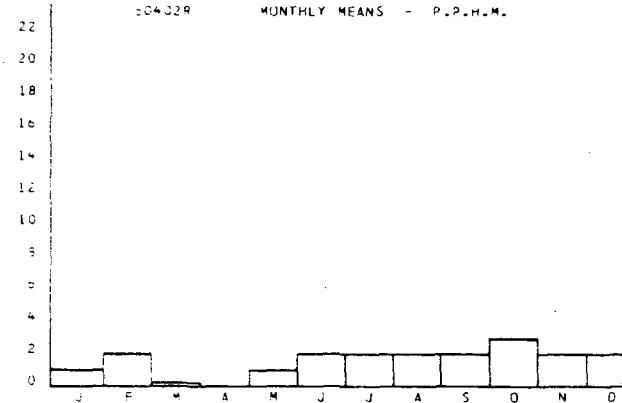
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.1 0.5 0.8 1.2 1.7 2.1 2.5 3.4 7.2 16.0

ANNUAL MEAN 1.96 MOYENNE ANNUELLE
STANDARD DEVIATION 1.62 ECART-TYPE
% OF DATA AVAILABLE 51 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.3 0.6 0.9 1.2 1.6 2.0 2.5 2.9 4.8 8.9

ANNUAL MEAN 1.90 MOYENNE ANNUELLE
STANDARD DEVIATION 1.24 ECART-TYPE
% OF DATA AVAILABLE 57 % DE DONNEES DISPONIBLES

60402R MONTHLY MEANS - P.P.H.M.



20

LOCATION TORONTO
STATION 60403I EVANS/ARNOLD

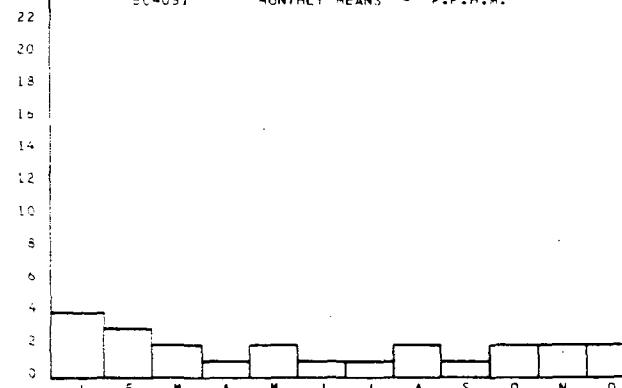
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.3 0.6 0.9 1.4 1.8 2.5 3.6 9.0 28.0

ANNUAL MEAN 1.91 MOYENNE ANNUELLE
STANDARD DEVIATION 1.98 ECART-TYPE
% OF DATA AVAILABLE 81 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.3 0.5 0.8 1.1 1.4 1.8 2.4 3.4 6.4 8.2

ANNUAL MEAN 1.87 MOYENNE ANNUELLE
STANDARD DEVIATION 1.40 ECART-TYPE
% OF DATA AVAILABLE 87 % DE DONNEES DISPONIBLES

60403I MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRIDE SULFUREUX

LOCATION TORONTO
STATION 60407C CITY HALL

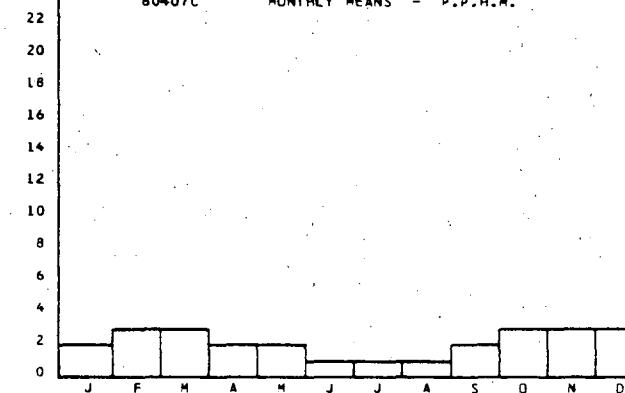
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.4 0.8 1.1 1.5 1.9 2.7 3.8 9.9 25.0

ANNUAL MEAN 2.04 MOYENNE ANNUELLE
STANDARD DEVIATION 2.14 ECART-TYPE
% OF DATA AVAILABLE 78 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.4 0.7 1.1 1.4 1.7 2.0 2.6 3.5 5.8 11.0

ANNUAL MEAN 2.05 MOYENNE ANNUELLE
STANDARD DEVIATION 1.42 ECART-TYPE
% OF DATA AVAILABLE 81 % DE DONNEES DISPONIBLES

60407C MONTHLY MEANS - P.P.H.M.



LOCATION HAMILTON
STATION 60501C BARTON AND WENTWORTH

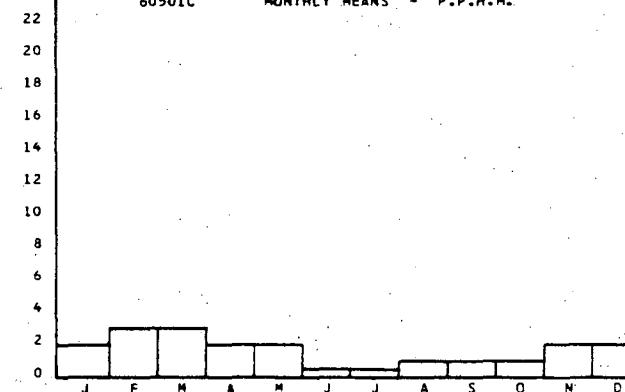
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.2 0.5 0.8 1.4 2.3 3.8 9.8 23.0

ANNUAL MEAN 1.66 MOYENNE ANNUELLE
STANDARD DEVIATION 2.22 ECART-TYPE
% OF DATA AVAILABLE 99 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.1 0.4 0.7 1.1 1.6 2.3 3.6 7.2 10.1

ANNUAL MEAN 1.65 MOYENNE ANNUELLE
STANDARD DEVIATION 1.72 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

60501C MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
 PARTS PER HUNDRED MILLION
 VALEURS D'ANHYDROIDE SULFUREUX

LOCATION HAMILTON
 STATION 60505R NORTH PARK

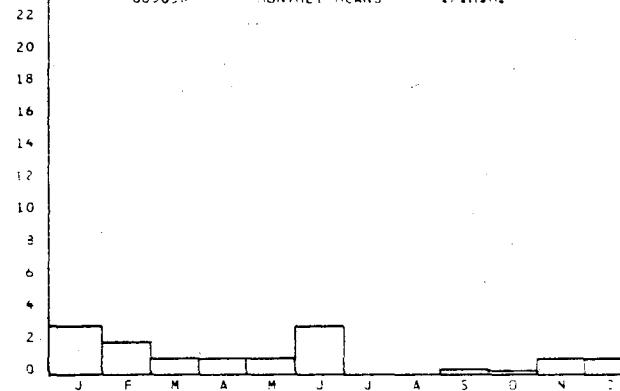
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
 ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
 MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
 0.0 0.0 0.0 0.0 0.2 0.6 0.9 1.7 3.3 8.8 18.0

ANNUAL MEAN 1.34 MOYENNE ANNUELLE
 STANDARD DEVIATION 2.05 ECART-TYPE
 % OF DATA AVAILABLE 45 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
 DAILY MEANS MOYENNES QUOTIDIENNES
 MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
 0.0 0.0 0.0 0.0 0.4 0.7 1.1 1.7 2.8 8.2 10.7

ANNUAL MEAN 1.32 MOYENNE ANNUELLE
 STANDARD DEVIATION 1.70 ECART-TYPE
 % OF DATA AVAILABLE 50 % DE DONNEES DISPONIBLES

60505R MONTHLY MEANS - P.P.H.M.



22

LOCATION SUDBURY
 STATION 60602R ASH STREET

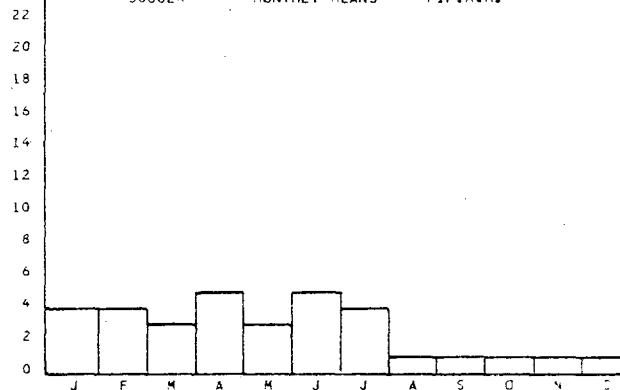
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
 ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
 MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
 0.0 0.0 0.0 0.0 0.4 0.9 1.6 2.6 5.6 37.4 143.0

ANNUAL MEAN 2.90 MOYENNE ANNUELLE
 STANDARD DEVIATION 8.09 ECART-TYPE
 % OF DATA AVAILABLE 96 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
 DAILY MEANS MOYENNES QUOTIDIENNES
 MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
 0.0 0.0 0.1 0.4 0.8 1.2 1.8 2.6 3.7 6.5 18.2 46.7

ANNUAL MEAN 2.91 MOYENNE ANNUELLE
 STANDARD DEVIATION 3.99 ECART-TYPE
 % OF DATA AVAILABLE 97 % DE DONNEES DISPONIBLES

60602R MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRIDE SULFUREUX

LOCATION LONDON
STATION 60901C KING-RECTORY

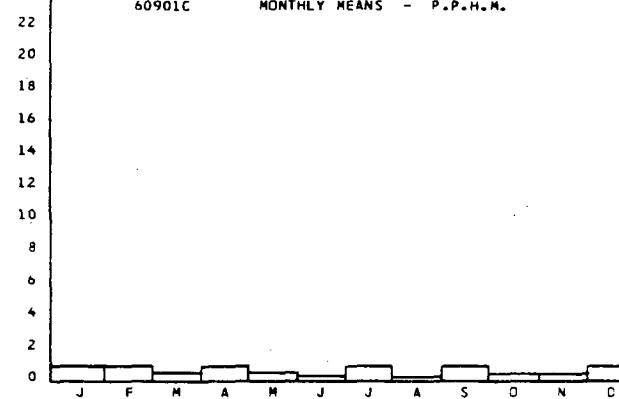
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.2 0.4 0.7 1.1 2.8 10.0

ANNUAL MEAN 0.60 MOYENNE ANNUELLE
STANDARD DEVIATION 0.81 ECART-TYPE
% OF DATA AVAILABLE 73 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.2 0.5 0.7 0.9 1.9 5.1

ANNUAL MEAN 0.58 MOYENNE ANNUELLE
STANDARD DEVIATION 0.56 ECART-TYPE
% OF DATA AVAILABLE 80 % DE DONNEES DISPONIBLES

60901C MONTHLY MEANS - P.P.H.M.



23

LOCATION SARNIA
STATION 61001C 156 VICTORIA STREET

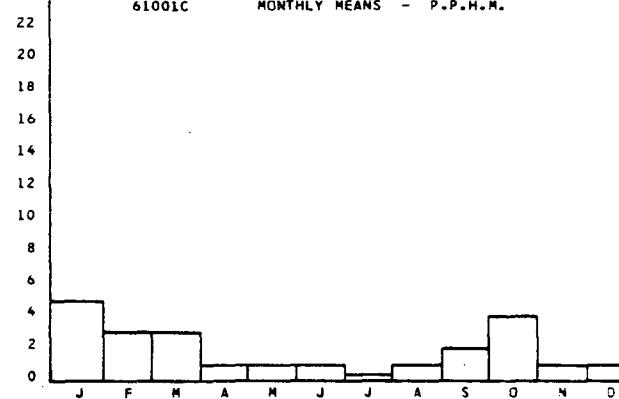
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.2 0.7 1.1 2.0 4.7 19.1 52.0

ANNUAL MEAN 1.97 MOYENNE ANNUELLE
STANDARD DEVIATION 3.94 ECART-TYPE
% OF DATA AVAILABLE 55 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.3 0.6 0.9 1.5 2.4 4.2 21.7

ANNUAL MEAN 1.93 MOYENNE ANNUELLE
STANDARD DEVIATION 2.78 ECART-TYPE
% OF DATA AVAILABLE 65 % DE DONNEES DISPONIBLES

61001C MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRODE SULFUREUX

LOCATION WINNIPEG
STATION 70101C KENNEDY ST. & YORK AVE.

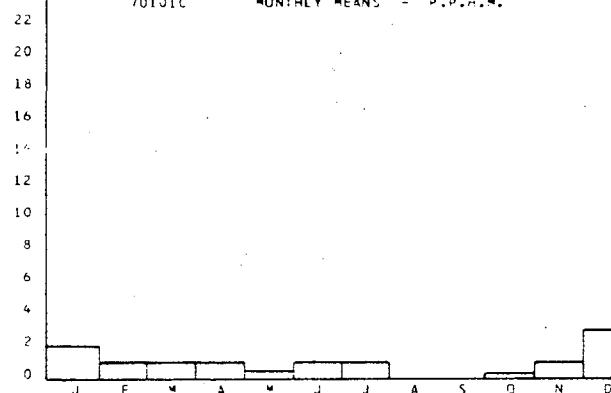
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.3 0.6 0.8 1.2 2.4 24.0

ANNUAL MEAN 0.90 MOYENNE ANNUELLE
STANDARD DEVIATION 1.84 ECART-TYPE
% OF DATA AVAILABLE 66 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES JOURNALIÈRES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.1 0.3 0.6 0.8 1.4 10.3 15.7

ANNUAL MEAN 0.97 MOYENNE ANNUELLE
STANDARD DEVIATION 1.74 ECART-TYPE
% OF DATA AVAILABLE 73 % DE DONNEES DISPONIBLES

70101C MONTHLY MEANS - P.P.H.M.



v

LOCATION WINNIPEG
STATION 70102R PORTAGE AT WOODLAND

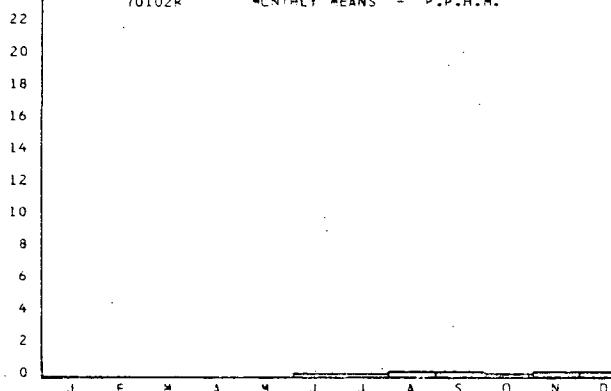
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9.4 4.0

ANNUAL MEAN 0.06 MOYENNE ANNUELLE
STANDARD DEVIATION 0.28 ECART-TYPE
% OF DATA AVAILABLE 50 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES JOURNALIÈRES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10.3 1.0

ANNUAL MEAN 0.06 MOYENNE ANNUELLE
STANDARD DEVIATION 0.14 ECART-TYPE
% OF DATA AVAILABLE 56 % DE DONNEES DISPONIBLES

70102R MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRODE SULFUREUX

LOCATION WINNIPEG
STATION 70103R HARTFORD AT MAIN

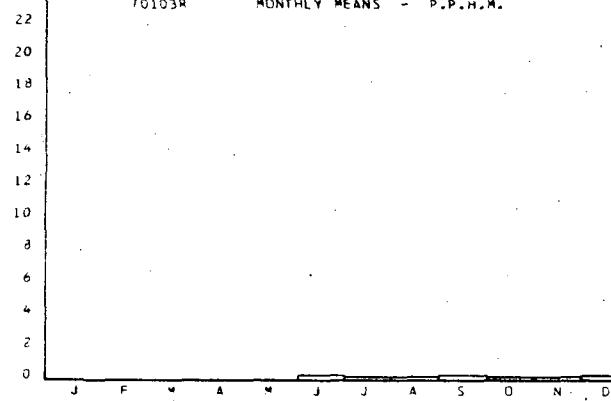
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9.4 5.0

ANNUAL MEAN 0.05 MOYENNE ANNUELLE
STANDARD DEVIATION 0.26 ECART-TYPE
% OF DATA AVAILABLE 47 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10.3 0.7

ANNUAL MEAN 0.04 MOYENNE ANNUELLE
STANDARD DEVIATION 0.12 ECART-TYPE
% OF DATA AVAILABLE 54 % DE DONNEES DISPONIBLES

70103R MONTHLY MEANS - P.P.H.M.



C5

LOCATION WINNIPEG
STATION 70104I UNION STOCK YARDS

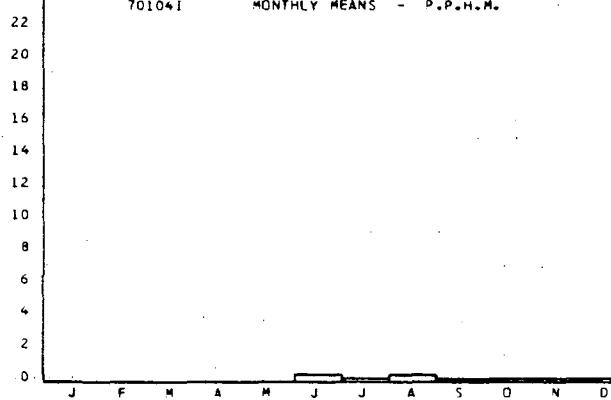
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9.4 9.0

ANNUAL MEAN 0.06 MOYENNE ANNUELLE
STANDARD DEVIATION 0.40 ECART-TYPE
% OF DATA AVAILABLE 46 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10.3 2.0

ANNUAL MEAN 0.08 MOYENNE ANNUELLE
STANDARD DEVIATION 0.25 ECART-TYPE
% OF DATA AVAILABLE 53 % DE DONNEES DISPONIBLES

70104I MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRIDE SULFUREUX

LOCATION REGINA
STATION 80108C 12TH AND SMITH

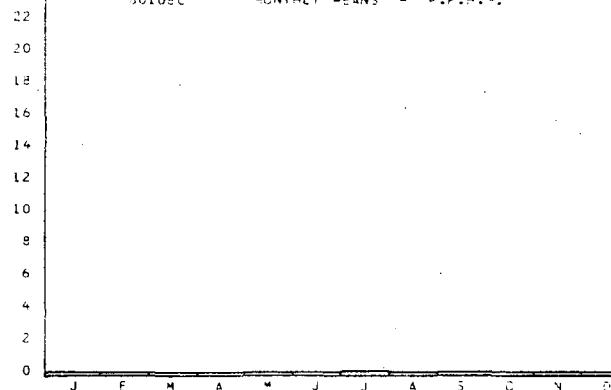
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9.4 9.0

ANNUAL MEAN 0.03 MOYENNE ANNUELLE
STANDARD DEVIATION 0.24 ECART-TYPE
% OF DATA AVAILABLE 70 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10.3 1.0

ANNUAL MEAN 0.03 MOYENNE ANNUELLE
STANDARD DEVIATION 0.10 ECART-TYPE
% OF DATA AVAILABLE 83 % DE DONNEES DISPONIBLES

80108C MONTHLY MEANS - P.P.H.M.



LOCATION EDMONTON
STATION 90114C 109 ST. AND 98 AVE.

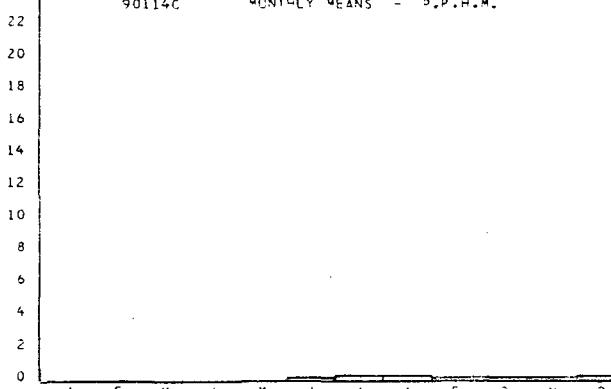
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.4 10.0

ANNUAL MEAN 0.07 MOYENNE ANNUELLE
STANDARD DEVIATION 0.30 ECART-TYPE
% OF DATA AVAILABLE 50 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10.3 0.6

ANNUAL MEAN 0.07 MOYENNE ANNUELLE
STANDARD DEVIATION 0.11 ECART-TYPE
% OF DATA AVAILABLE 56 % DE DONNEES DISPONIBLES

90114C MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRODE SULFUREUX

LOCATION EDMONTON
STATION 90121I 17 ST. AND 103 AVE.

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.7 2.0 14.0

ANNUAL MEAN 0.27 MOYENNE ANNUELLE

STANDARD DEVIATION 0.67 ECART-TYPE

% OF DATA AVAILABLE 41 % DE DONNEES DISPONIBLES

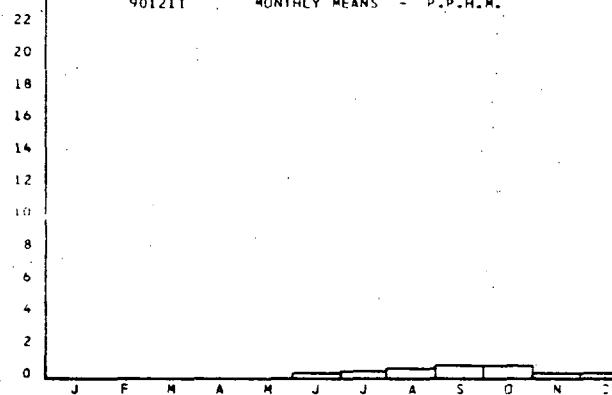
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.5 1.0 2.0

ANNUAL MEAN 0.27 MOYENNE ANNUELLE

STANDARD DEVIATION 0.33 ECART-TYPE

% OF DATA AVAILABLE 47 % DE DONNEES DISPONIBLES

90121I MONTHLY MEANS - P.P.H.M.



27

LOCATION CALGARY
STATION 90218I BONNYBROOK ROAD, S.E.

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.3 0.7 1.0 4.4 20.0

ANNUAL MEAN 0.59 MOYENNE ANNUELLE

STANDARD DEVIATION 1.10 ECART-TYPE

% OF DATA AVAILABLE 43 % DE DONNEES DISPONIBLES

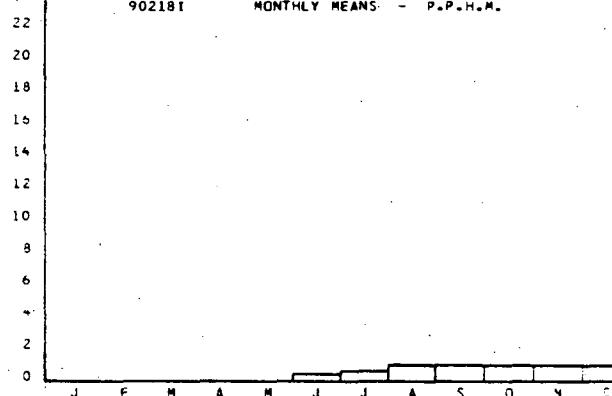
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.2 0.4 0.6 0.9 3.4

ANNUAL MEAN 0.59 MOYENNE ANNUELLE

STANDARD DEVIATION 0.51 ECART-TYPE

% OF DATA AVAILABLE 48 % DE DONNEES DISPONIBLES

90218I MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRODE SULFUREUX

LOCATION CALGARY
STATION 90219C 620 7TH AVE., S.W.

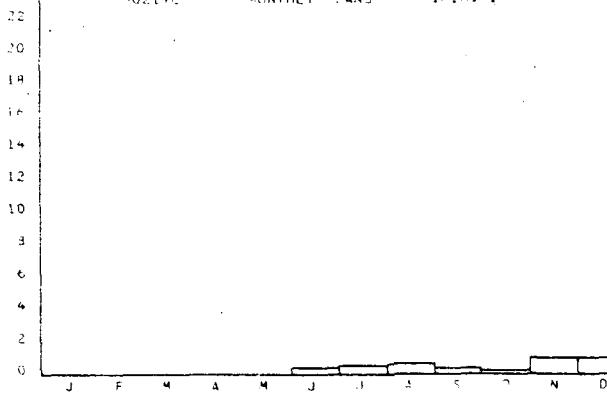
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL - INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.3 0.7 2.1 2.0

ANNUAL MEAN 0.32 MOYENNE ANNUELLE
STANDARD DEVIATION 0.62 ECART-TYPE
% OF DATA AVAILABLE 43 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.2 0.7 1.4 1.7

ANNUAL MEAN 0.32 MOYENNE ANNUELLE
STANDARD DEVIATION 0.40 ECART-TYPE
% OF DATA AVAILABLE 49 % DE DONNEES DISPONIBLES

90219C MONTHLY MEANS - P.P.M.



28

LOCATION VANCOUVER
STATION 00105C 739 W. HASTINGS ST.

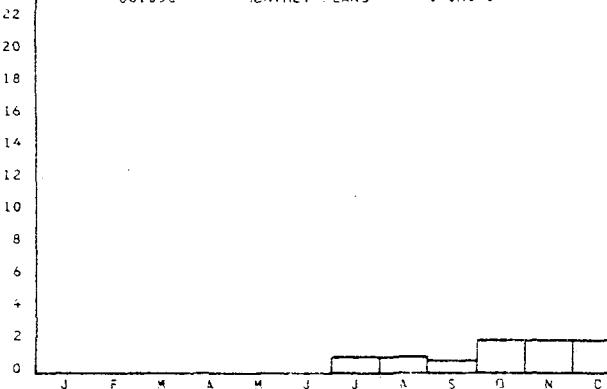
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL - INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.3 0.6 0.9 1.3 1.9 2.9 6.9 12.0

ANNUAL MEAN 1.42 MOYENNE ANNUELLE
STANDARD DEVIATION 1.56 ECART-TYPE
% OF DATA AVAILABLE 34 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.2 0.5 0.7 1.0 1.4 1.9 2.6 4.3 4.7

ANNUAL MEAN 1.40 MOYENNE ANNUELLE
STANDARD DEVIATION 1.08 ECART-TYPE
% OF DATA AVAILABLE 39 % DE DONNEES DISPONIBLES

00105C MONTHLY MEANS - P.P.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRIDE SULFUREUX

LOCATION VANCOUVER
STATION 00106R 2294 W. 10 ST.

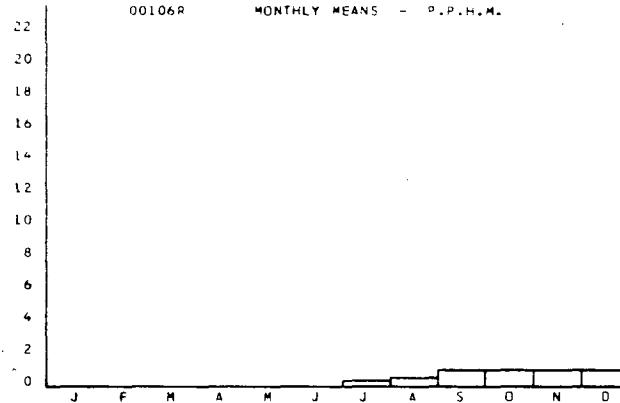
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.2 0.5 0.8 1.2 2.1 5.0 9.0

ANNUAL MEAN 0.99 MOYENNE ANNUELLE
STANDARD DEVIATION 1.25 ECART-TYPE
% OF DATA AVAILABLE 40 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.1 0.4 0.6 0.8 1.2 1.9 3.4 4.2

ANNUAL MEAN 1.00 MOYENNE ANNUELLE
STANDARD DEVIATION 0.88 ECART-TYPE
% OF DATA AVAILABLE 45 % DE DONNEES DISPONIBLES

00106R MONTHLY MEANS - P.P.H.M.



29

LOCATION VANCOUVER
STATION 00107I 75 RIVERSIDE DR.

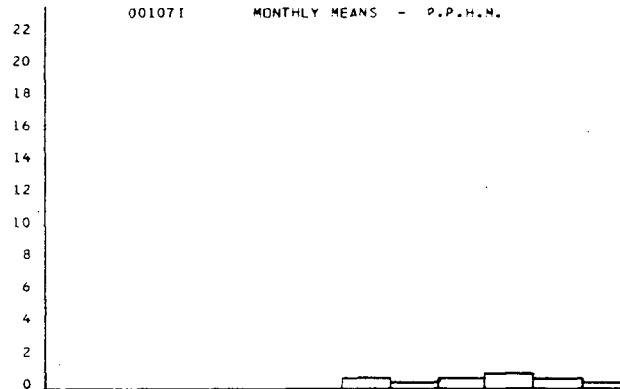
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.5 0.9 2.3 5.0

ANNUAL MEAN 0.40 MOYENNE ANNUELLE
STANDARD DEVIATION 0.66 ECART-TYPE
% OF DATA AVAILABLE 40 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.4 0.8 1.7 2.0

ANNUAL MEAN 0.40 MOYENNE ANNUELLE
STANDARD DEVIATION 0.38 ECART-TYPE
% OF DATA AVAILABLE 45 % DE DONNEES DISPONIBLES

00107I MONTHLY MEANS - P.P.H.M.



SULPHUR DIOXIDE LEVELS
PARTS PER HUNDRED MILLION
VALEURS D'ANHYDRODE SULFUREUX

LOCATION VICTORIA
STATION 00301C POLICE STN. (FISGUARD)

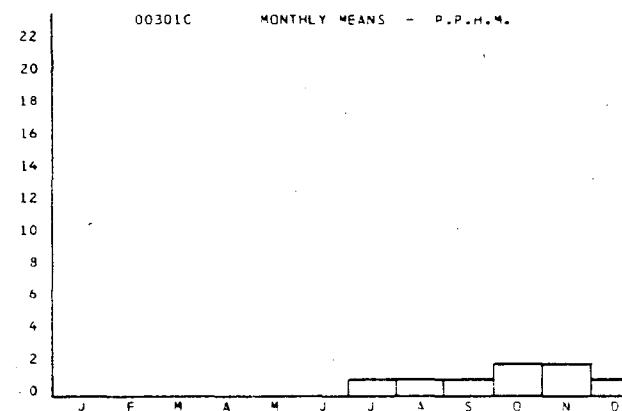
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.0 0.2 0.4 0.7 0.9 1.4 2.1 5.6 9.0

ANNUAL MEAN 1.13 MOYENNE ANNUELLE
STANDARD DEVIATION 1.24 ECART-TYPE
% OF DATA AVAILABLE 38 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.0 0.1 0.2 0.4 0.6 0.7 0.9 1.2 1.8 2.8 3.4

ANNUAL MEAN 1.13 MOYENNE ANNUELLE
STANDARD DEVIATION 0.71 ECART-TYPE
% OF DATA AVAILABLE 44 % DE DONNEES DISPONIBLES

00301C MONTHLY MEANS - P.P.M.



Suspended Particulates

A high volume sampler is used to determine the concentration of suspended particulates in the air. The sampler is operated continuously for a 24 hour period at a flow rate of approximately 50 cubic feet per minute. This large volume of air is drawn through a preweighed glass fiber filter. The filter is removed and weighed to determine the amount of the suspended particulates deposited. The units of measurements are micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) of air.

Experience has shown that suspended particulate loadings tend to be log-normally distributed i.e. the logarithms of the observed values, rather than the values themselves, follow approximately the normal distribution curve. However, as is customary, the deciles and annual maximum and minimum are given for the distribution of observed values. In addition, for the log-normal distribution, the annual geometric mean, the annual geometric standard deviation and the percentage of data available are quoted. Accompanying each table is a graphical display in histogram form of the monthly geometric means of total particulate loading ($\mu\text{g}/\text{m}^3$).

Particules en suspension

Un échantillonneur à grand débit est utilisé pour déterminer la concentration de particules en suspension dans l'atmosphère. L'air est aspiré à un débit d'environ 50 pieds cubes par minute à travers un filtre de fibre de verre. Après une période de 24 heures, le filtre, qui avait été pesé avant son utilisation, est enlevé et pesé à nouveau afin de déterminer la quantité de particules recueillies. Les résultats sont exprimés en microgrammes par mètre cube d'air.

Une étude statistique des concentrations des particules en suspension démontre que les logarithmes des concentrations, plutôt que les concentrations elles-mêmes, suivent approximativement une courbe de distribution normale. Cependant, selon l'usage, on rapporte les déciles de la courbe de distribution des valeurs telles que mesurées (non des logarithmes) ainsi que le minimum et le maximum annuels et le pourcentage de données disponibles. De plus on trouve les valeurs relatives à une courbe de distribution des logarithmes des concentrations, telles que la moyenne géométrique annuelle et l'écart-type géométrique annuel. Un histogramme des moyennes géométriques mensuelles des concentrations des particules en suspension accompagne chaque tableau.

STATIONS MEASURING TOTAL PARTICULATES

STATIONS MESURANT LES PARTICULES EN SUSPENSION

10101	C,F	ST. JOHN'S, DUCKWORTH AND ORDINANCE
30101	C,F	HALIFAX, N.S. TECHNICAL COLLEGE
30102	R,F	HALIFAX, DALHOUSIE UNIVERSITY
30304	R,F	SYDNEY, CITY HOSPITAL
30310	C,F	SYDNEY, COUNTY JAIL
40201	C,F	SAINT JOHN, 110 CHARLOTTE ST.
40301	C,F	MONCTON, POST OFFICE
50102	R,F	MONTREAL, BOTANICAL GARDENS
50103	R,F	MONTREAL, POINTE AUX TREMBLES
50105	C,F	MONTREAL, 1212 DRUMMOND
50106	R,F	MONTREAL, VILLE ST LAURENT
50107	R,F	MONTREAL, VILLE LASALLE
50108	R,P	MONTREAL, 1700 BOURASSA (LONGUEUIL)
50201	C,F	HULL, RUE PRINCIPALE
50301	C,F	QUEBEC, PARC-AUTOS PAQUET-LALIBERTE
50302	R,F	QUEBEC, PARC-BARDY
50303	I,F	QUEBEC, CENTRE DE LOISIRS LIMOILOU
50402	R,F	SHERBROOKE, CASERNE DE POMPIERS #5
50501	C,F	CHICOUTIMI, CITY HALL
50502	R,F	CHICOUTIMI, FILTRATION WORKS
60101	C,F	OTTAWA, SLATER AND ELGIN
60201	I,F	WINDSOR, MORTON TERMINAL DOCK
60202	C,F	WINDSOR, CITY HALL
60203	R,F	WINDSOR-TECUMSEH WATER WORKS

60301	R,F	KINGSTON, QUEEN'S UNIVERSITY
60401	C,P	TORONTO, 67 COLLEGE STREET
60403	I,P	TORONTO, ETOBICOKE, EVANS-ARNOLD
60409	R,P	TORONTO, REDLANDS CRESCENT
60501	C,P	HAMILTON, BARTON AND WENTWORTH
60503	R,P	HAMILTON, CHATHAM-FRID
60505	R,P	HAMILTON, NORTH PARK
60602	R,P	SUDBURY, ASH STREET
60801	C,P	THUNDER BAY, 14 ALGOMA STREET
60901	C,P	LONDON, KING-RECTORY
60902	C,P	LONDON, 371 DUNDAS
61001	C,P	SARNIA, 156 VICTORIA ST.
61102	C,P	PETERBOROUGH, 139 GEORGE ST.
70101	C,F	WINNIPEG, KENNEDY AND YORK AVE.
70102	R,F	WINNIPEG, PORTAGE AT WOODLAWN
70103	R,F	WINNIPEG, HARTFORD AT MAIN
70104	I,F	WINNIPEG, UNION STOCK YARDS
80101	C,F	REGINA, 1955 SMITH STREET
80102	R,F	REGINA, 3211 ALBERT STREET
80202	C,F	SASKATOON, CITY LIBRARY
80203	R,F	SASKATOON, MOUNT ROYAL LODGE
80301	C,F	MOOSE JAW, TELEPHONE BLDG.
80401	C,F	PRINCE ALBERT, 49-12TH ST. EAST
90101	C,F	EDMONTON, 98TH AND JASPER
90102	I,F	EDMONTON, 46TH ST. AND 104TH AVE.
90103	R,F	EDMONTON, 146TH ST. AND 92ND AVE.
90201	I,F	CALGARY, 6411 20TH ST., S.E.

90203	R,F	CALGARY, 407 31 AVE., N.W.
90204	C,F	CALGARY, 7TH AVE. AND 2ND ST., S.E.
90301	C,F	RED DEER, 4720 49TH STREET
90401	C,F	MEDICINE HAT, 770 FIRST ST. S.E.
90501	C,F	LETHBRIDGE, 13 ST. AND 9 AVE. S.
00104	R,F	VANCOUVER, 27TH AND ONTARIO
00105	C,F	VANCOUVER, 739 W. HASTINGS ST.
00301	C,F	VICTORIA, POLICE STN. (FISGUARD)

TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION ST. JOHN'S

STATION 10101C DUCKWORTH AND ORDINANCE

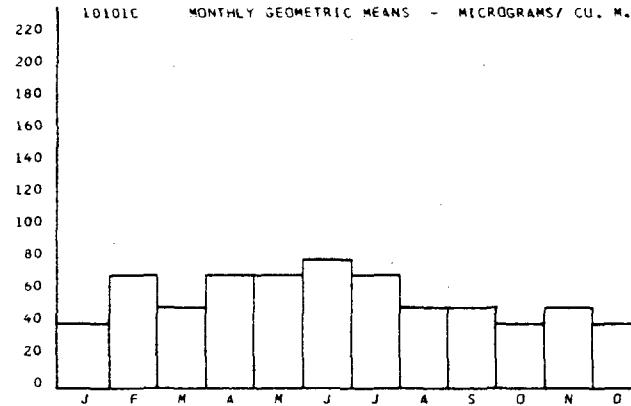
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
22 28 33 42 47 55 60 66 81 91 135

ANNUAL GEOMETRIC MEAN 54.1 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.6 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 74 % DE DONNEES DISPONIBLES

10101C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



36

LOCATION HALIFAX

STATION 30101C N.S. TECHNICAL COLLEGE

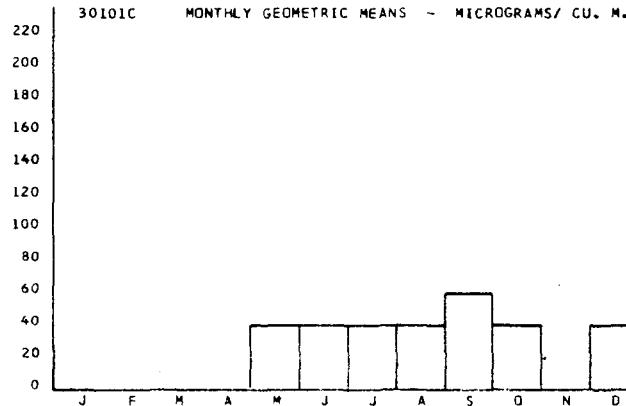
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
23 24 30 33 35 38 39 45 64 67 86

ANNUAL GEOMETRIC MEAN 41.9 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.4 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 42 % DE DONNEES DISPONIBLES

30101C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION HALIFAX

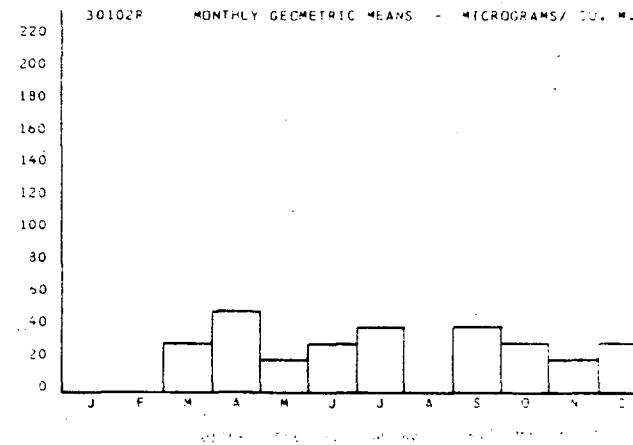
STATION 30102R DALHOUSIE UNIVERSITY

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
12 13 16 21 23 25 27 31 38 50 66

ANNUAL GEOMETRIC MEAN 27.6 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.5 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 60 % DE DONNEES DISPONIBLES



37

LOCATION SYDNEY

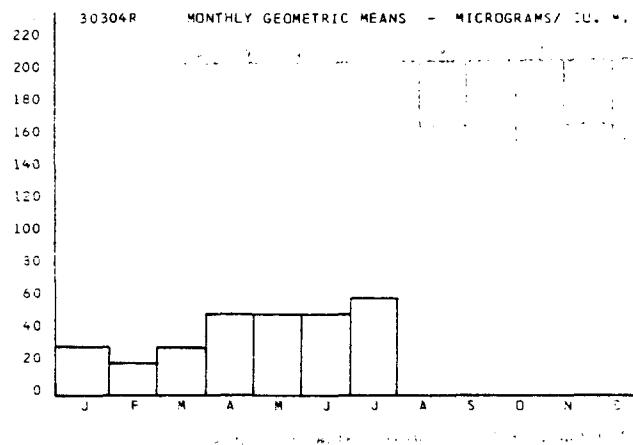
STATION 30304R CITY HOSPITAL

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
21 21 30 34 37 40 46 50 60 66 86

ANNUAL GEOMETRIC MEAN 42.0 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.5 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 71 % DE DONNEES DISPONIBLES



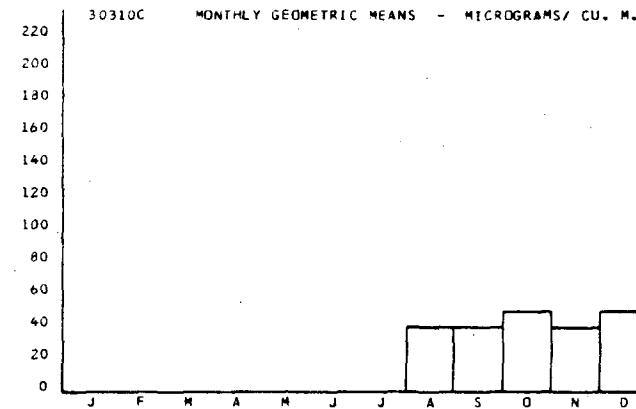
TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION SYDNEY

STATION 30310C COUNTY JAIL

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
20 24 37 39 42 47 50 53 58 54 84

ANNUAL GEOMETRIC MEAN 45.9 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 1.4 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES



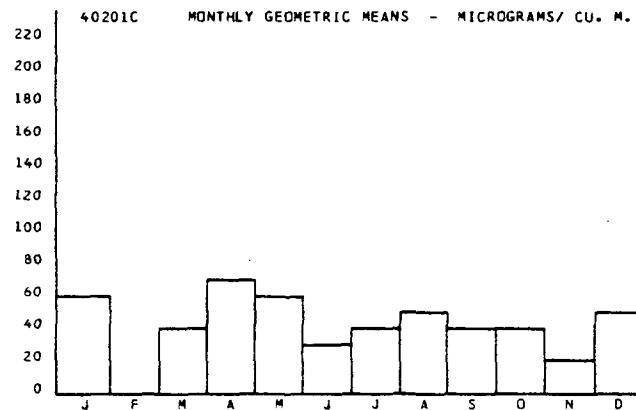
38

LOCATION SAINT JOHN

STATION 40201C 110 CHARLOTTE ST.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
21 25 33 35 38 44 51 58 60 64 140

ANNUAL GEOMETRIC MEAN 46.2 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 1.5 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 67 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION MONCTON

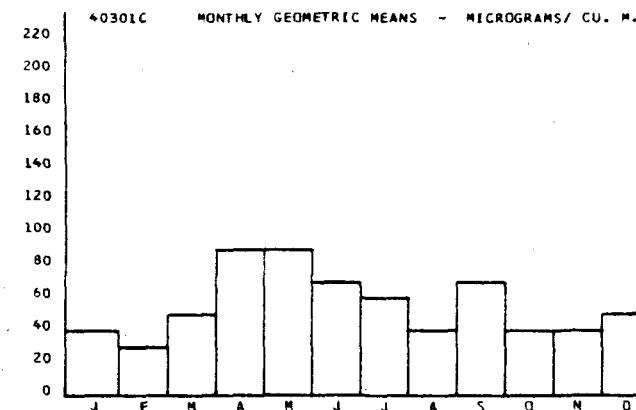
STATION 40301C POST OFFICE

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
22 24 33 39 45 51 55 66 75 96 171

ANNUAL GEOMETRIC MEAN 53.5 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 82 % DE DONNEES DISPONIBLES



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LOCATION MONTREAL

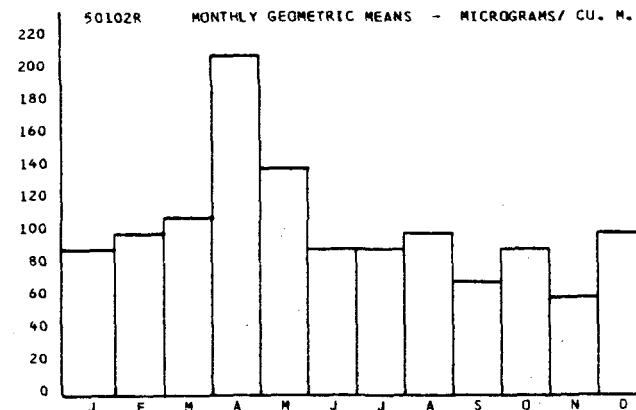
STATION 50102R BOTANICAL GARDENS

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
33 54 68 76 85 88 101 120 140 174 293

ANNUAL GEOMETRIC MEAN 95.4 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.6 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 86 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION MONTREAL

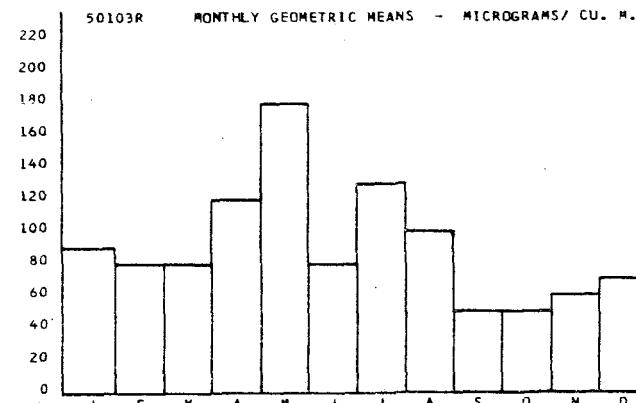
STATION 50103R POINTE AUX TREMBLES

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
26 38 47 56 64 77 87 99 114 143 219

ANNUAL GEOMETRIC MEAN 76.5 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 65 % DE DONNEES DISPONIBLES



LOCATION MONTREAL

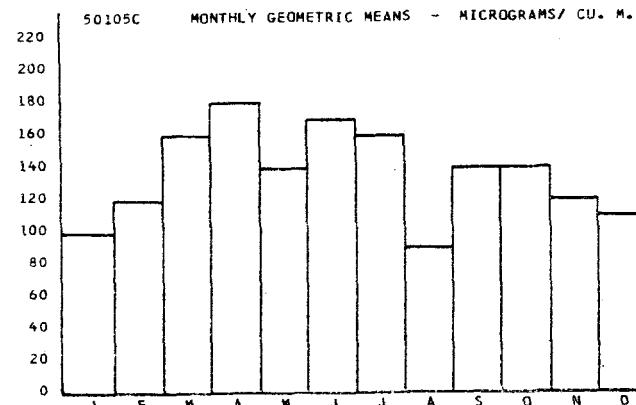
STATION 50105C 1212 DRUMMOND

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
50 78 89 105 119 134 149 163 180 207 302

ANNUAL GEOMETRIC MEAN 131.8 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.5 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 82 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION MONTREAL

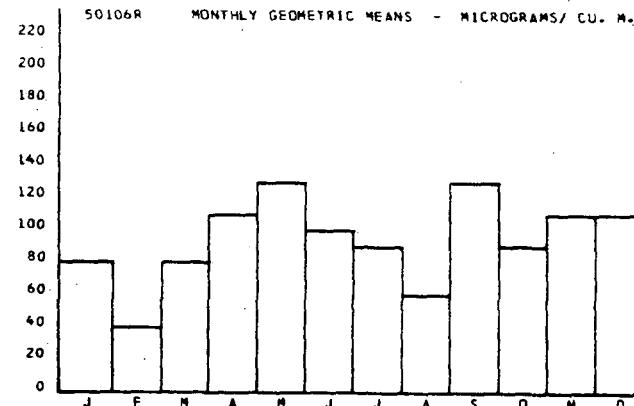
STATION 50106R VILLE ST. LAURENT

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
31 44 52 72 78 102 116 128 140 158 196

ANNUAL GEOMETRIC MEAN 90.2 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.6 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 78 % DE DONNEES DISPONIBLES



LOCATION MONTREAL

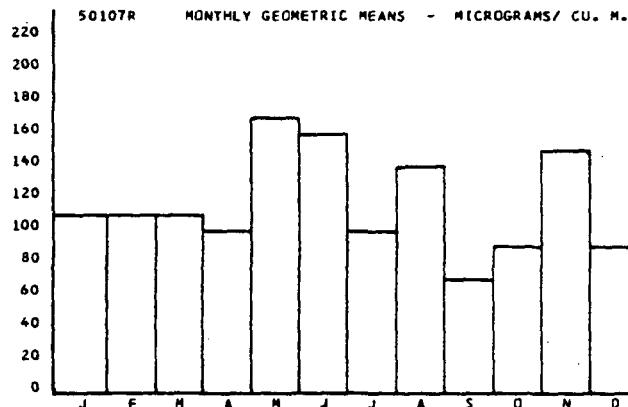
STATION 50107R VILLE LASALLE

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
22 67 82 93 100 121 132 147 166 205 306

ANNUAL GEOMETRIC MEAN 116.6 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 75 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION MONTREAL

STATION 50108R 1700 BOURASSA (LONGUEUIL)

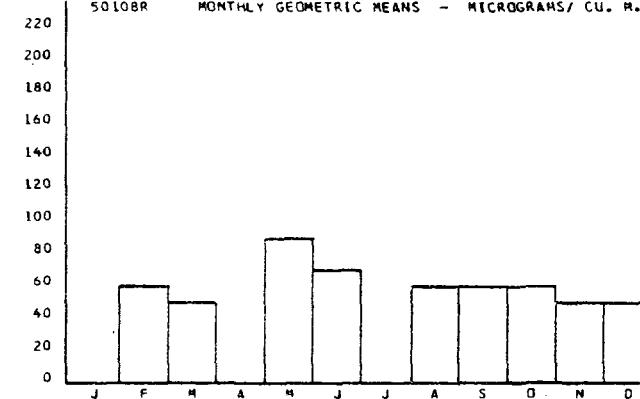
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
31 35 42 49 54 57 62 70 100 106 130

ANNUAL GEOMETRIC MEAN 62.0 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.5 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 72 % DE DONNEES DISPONIBLES

50108R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



42

LOCATION HULL

STATION 50201C RUE PRINCIPALE

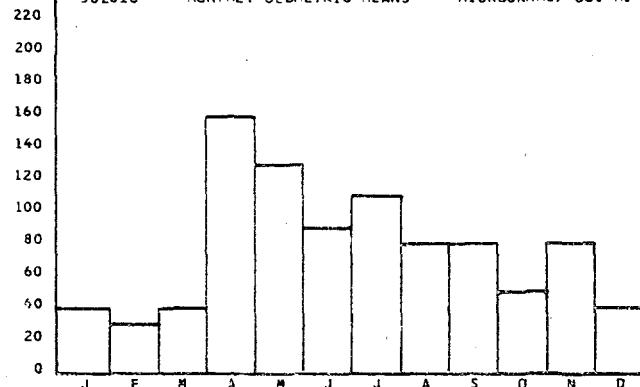
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
22 25 37 48 58 71 85 105 119 135 227

ANNUAL GEOMETRIC MEAN 68.9 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.8 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 90 % DE DONNEES DISPONIBLES

50201C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION QUEBEC

STATION 50301C PARC-AUTOS PAQUET-LALIBERTE

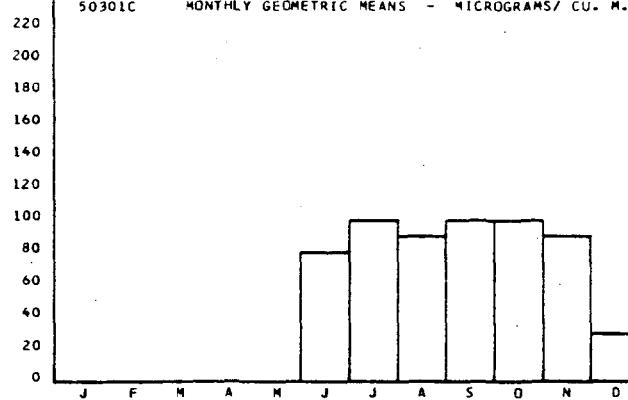
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 27 46 56 62 70 78 88 114 120 142 230

ANNUAL GEOMETRIC MEAN 83.1 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.6 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 86 % DE DONNEES DISPONIBLES

50301C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



43

LOCATION QUEBEC

STATION 50302R PARC-BARDY

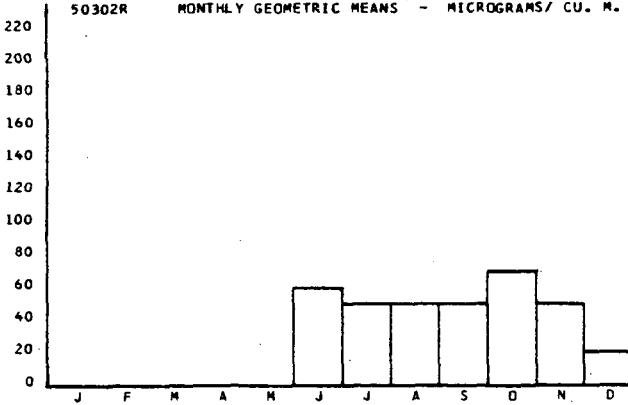
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 14 25 30 32 43 46 51 62 77 87 165

ANNUAL GEOMETRIC MEAN 49.9 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.8 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 79 % DE DONNEES DISPONIBLES

50302R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION QUEBEC

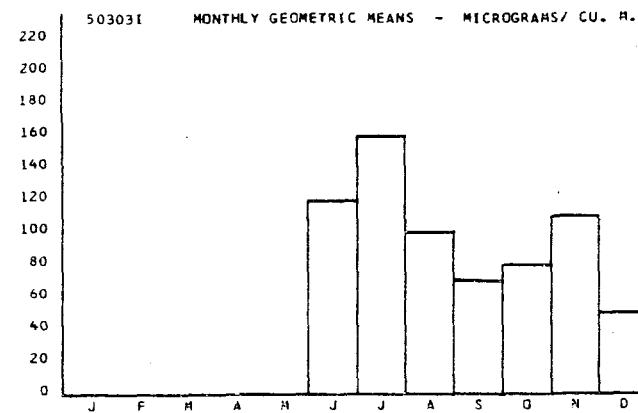
STATION 50303I CENTRE DE LOISIRS LIMOILOU

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
39 45 58 64 70 86 128 134 150 173 430

ANNUAL GEOMETRIC MEAN 94.6 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.8 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 84 % DE DONNEES DISPONIBLES



LOCATION SHERBROOKE

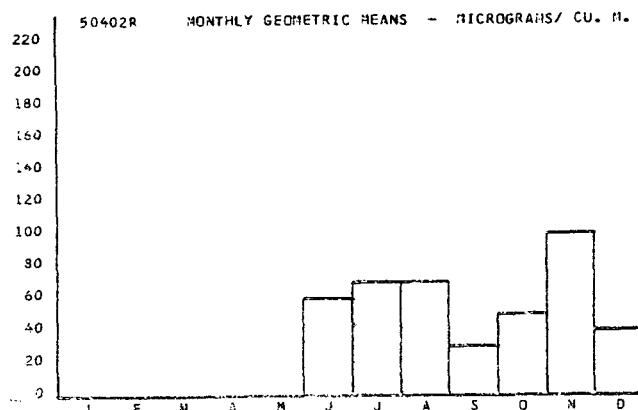
STATION 50402R CASERNE DE POMPIERS #5

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
16 31 38 39 42 48 59 74 93 113 258

ANNUAL GEOMETRIC MEAN 57.7 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.8 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 69 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION CHICOUTIMI

STATION 50501C CITY HALL

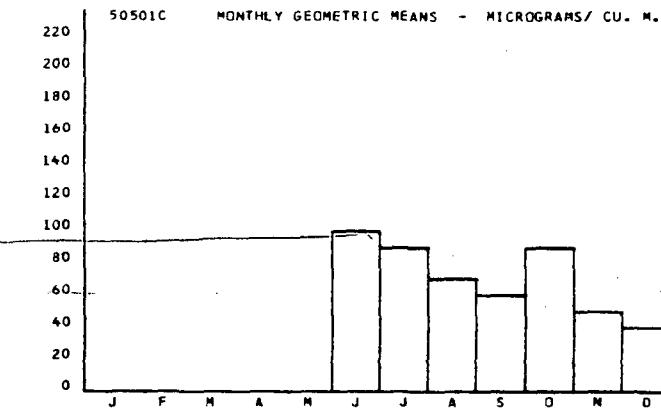
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
37 37 51 61 67 70 81 94 106 127 170

ANNUAL GEOMETRIC MEAN 75.3 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.5 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 76 % DE DONNEES DISPONIBLES

50501C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



54

LOCATION CHICOUTIMI

STATION 50502R FILTRATION WORKS

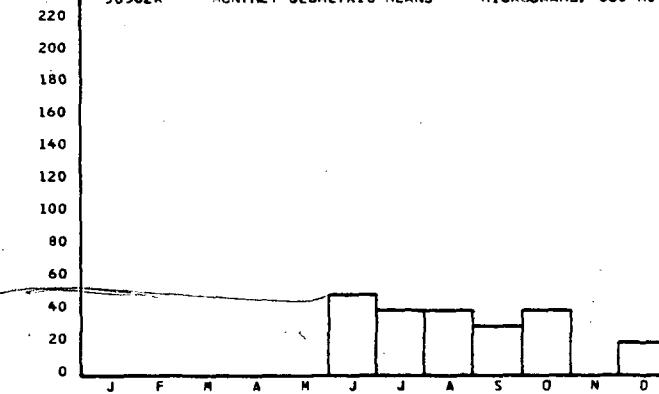
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0 15 25 30 34 41 43 46 53 57 64

ANNUAL GEOMETRIC MEAN 35.9 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 62 % DE DONNEES DISPONIBLES

50502R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



55

TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION OTTAWA

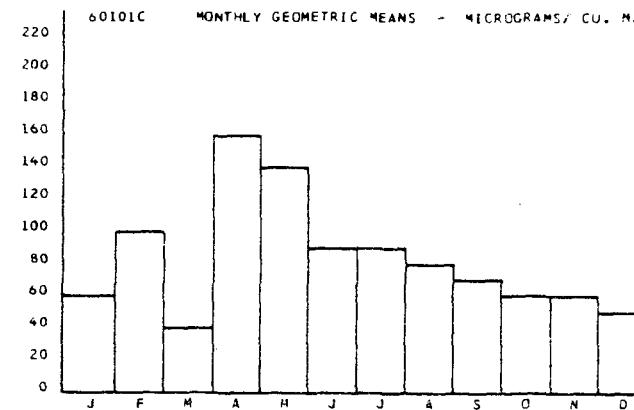
STATION 60101C SLATER AND ELGIN

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
9 39 53 61 65 71 78 96 125 138 232

ANNUAL GEOMETRIC MEAN 75.1 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 90 % DE DONNEES DISPONIBLES



4
Q

LOCATION WINDSOR

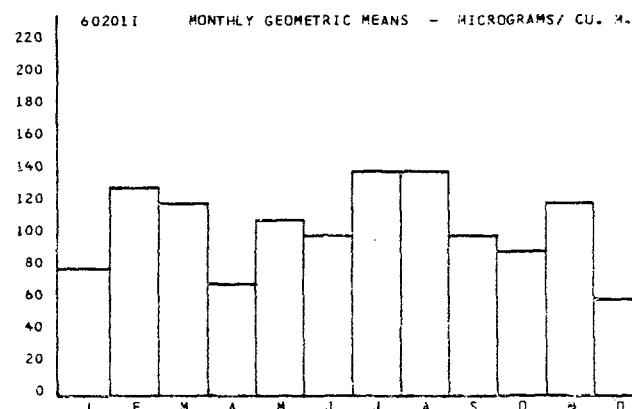
STATION 60201I MORTON TERMINAL DOCK

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
46 51 64 78 90 118 125 136 147 164 212

ANNUAL GEOMETRIC MEAN 103.0 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.5 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION WINDSOR

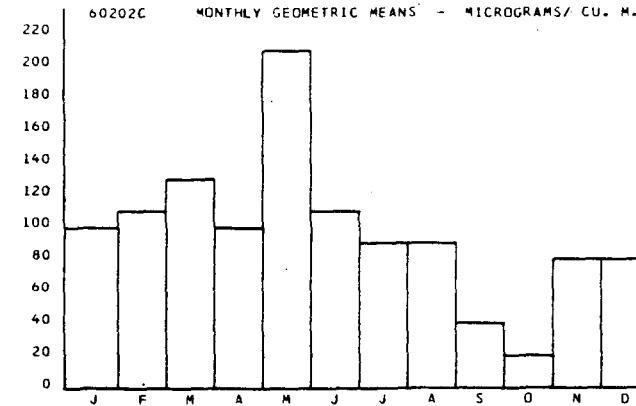
STATION 60202C CITY HALL

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 20 40 58 77 87 102 110 117 134 171 247

ANNUAL GEOMETRIC MEAN 91.1 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.8 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 82 % DE DONNEES DISPONIBLES



47

LOCATION WINDSOR

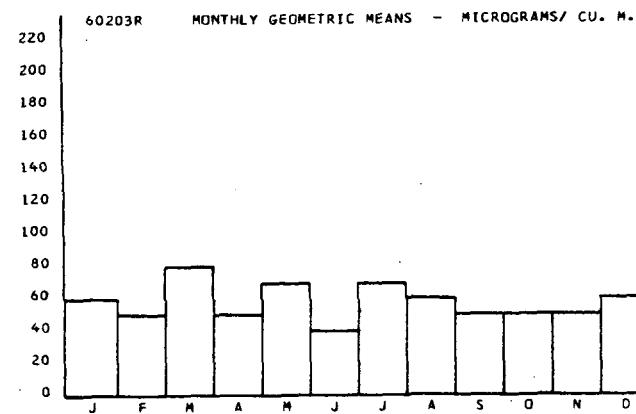
STATION 60203R WINDSOR-TECUMSEH WATER WORKS

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 12 28 42 46 51 57 64 74 84 100 188

ANNUAL GEOMETRIC MEAN 58.9 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION KINGSTON

STATION 60301R QUEEN'S UNIVERSITY

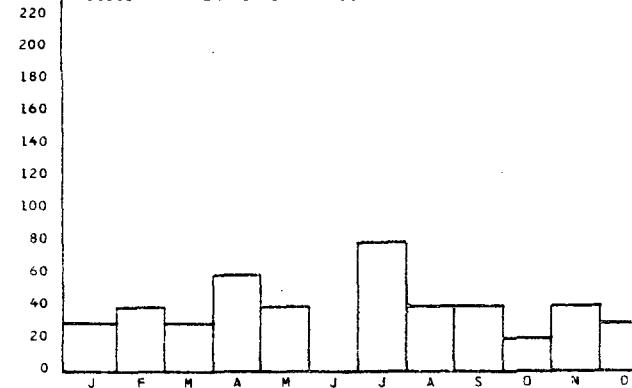
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
12 18 22 26 31 37 41 46 53 63 150

ANNUAL GEOMETRIC MEAN 37.7 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 88 % DE DONNEES DISPONIBLES

60301R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



48

LOCATION TORONTO

STATION 60401C 67 COLLEGE STREET

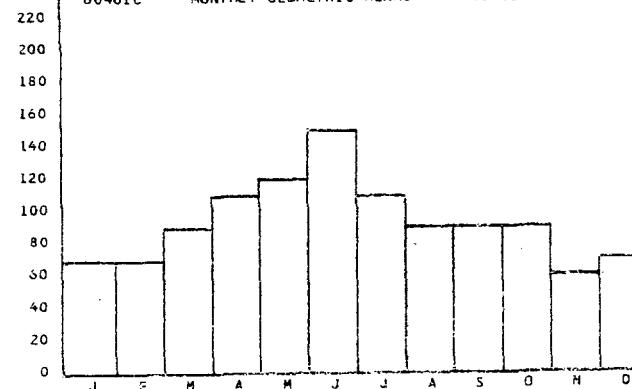
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
32 53 66 71 79 86 97 119 137 158 207

ANNUAL GEOMETRIC MEAN 92.1 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.5 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES

60401C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION TORONTO

STATION 60403I EVANS/ARNOLD

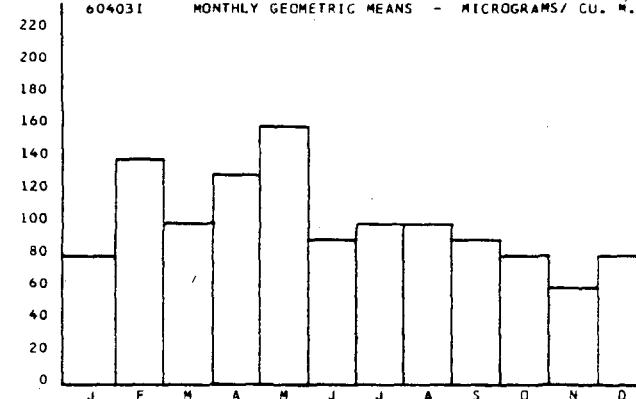
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 40 53 63 77 88 100 113 127 154 174 197

ANNUAL GEOMETRIC MEAN 98.6 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.5 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

60403I MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



LOCATION TORONTO

STATION 60409R REDLANDS CRESCENT

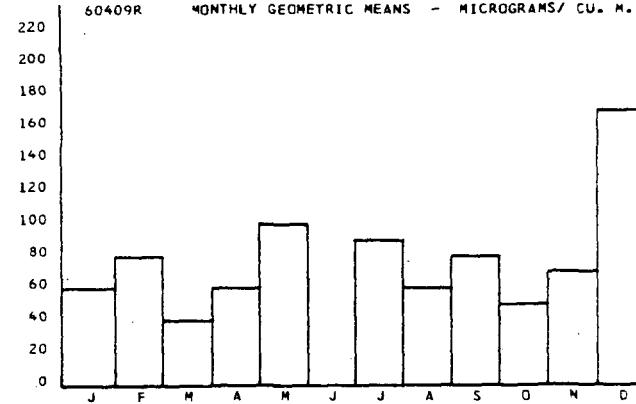
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 28 40 44 50 56 61 79 91 105 117 316

ANNUAL GEOMETRIC MEAN 70.2 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 97 % DE DONNEES DISPONIBLES

60409R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION HAMILTON

STATION 60501C BARTON AND WENTWORTH

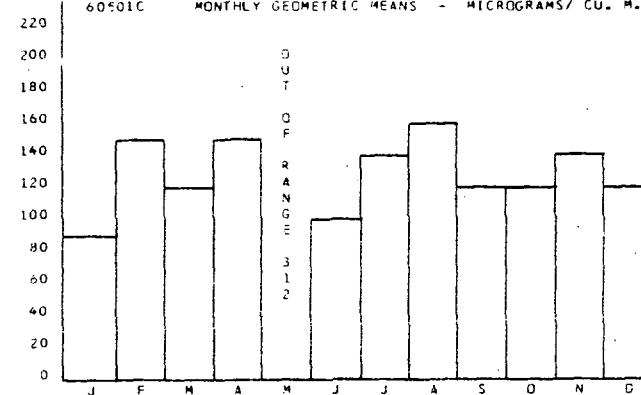
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
41 74 86 104 121 145 157 171 188 226 519

ANNUAL GEOMETRIC MEAN 133.2 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

60501C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



50

LOCATION HAMILTON

STATION 60503R CHATHAM-FRID

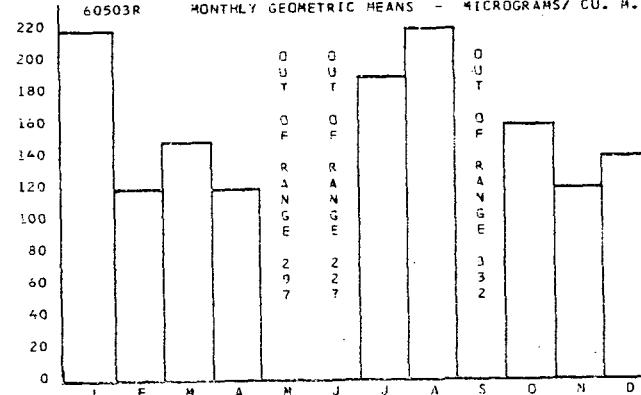
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
66 106 120 127 149 182 198 219 244 324 451

ANNUAL GEOMETRIC MEAN 174.9 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.6 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

60503R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION HAMILTON

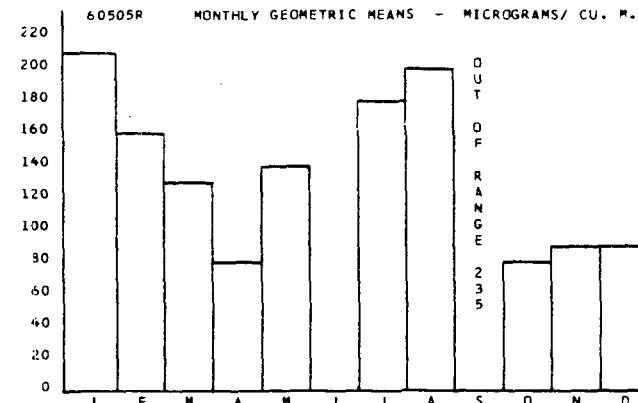
STATION 60505R NORTH PARK

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
37 74 83 93 103 126 153 182 218 299 382

ANNUAL GEOMETRIC MEAN 134.4 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.8 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES



LOCATION SUDBURY

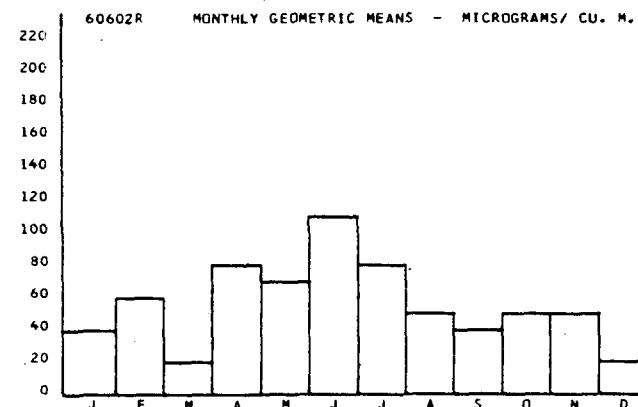
STATION 60602R ASH STREET

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
17 26 33 37 45 51 58 67 81 98 161

ANNUAL GEOMETRIC MEAN 52.0 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.6 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION THUNDER BAY

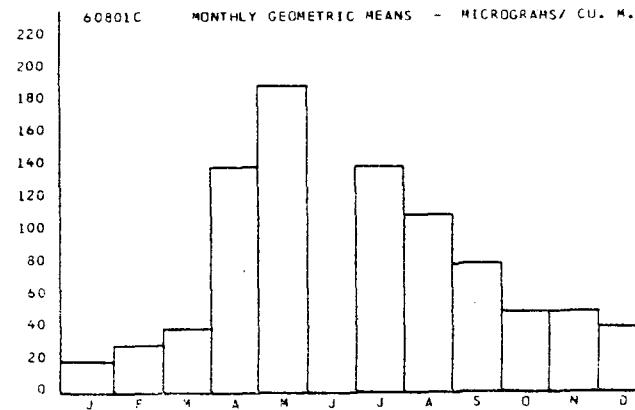
STATION 60801C 14 ALGOMA STREET

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
13 18 22 39 47 60 74 99 133 148 283

ANNUAL GEOMETRIC MEAN 59.9 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.2 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES



52

LOCATION LONDON

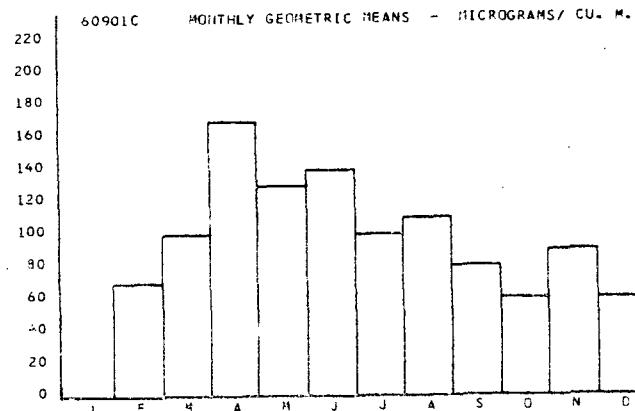
STATION 60901C KING-RECTORY

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
26 46 59 68 78 94 118 131 152 174 307

ANNUAL GEOMETRIC MEAN 94.5 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION LONDON

STATION 60902C 371 DUNDAS

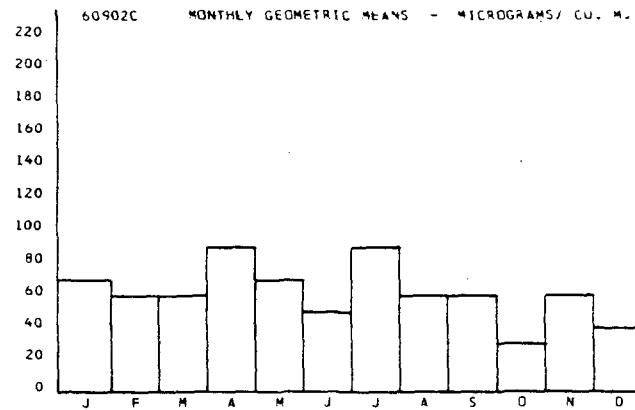
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
19 32 41 49 54 60 68 75 87 99 142

ANNUAL GEOMETRIC MEAN 59.5 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.5 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

60902C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



53

LOCATION SARNIA

STATION 61001C 156 VICTORIA STREET

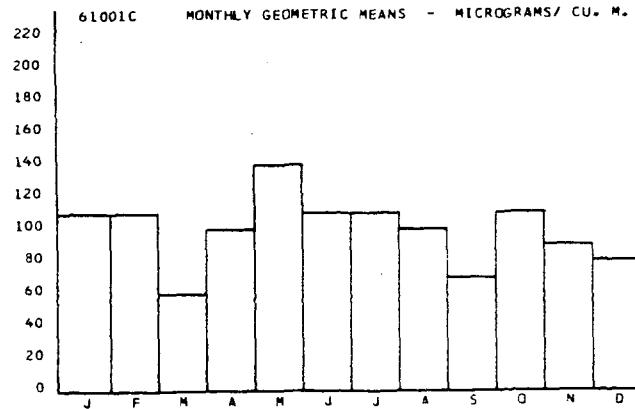
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
8 56 70 80 91 102 111 121 136 178 290

ANNUAL GEOMETRIC MEAN 97.7 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES

61001C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

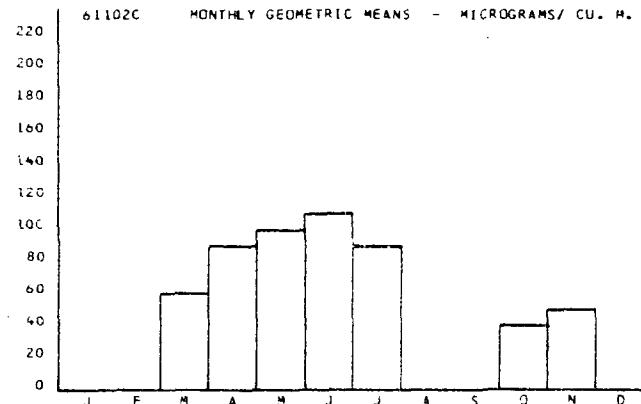
LOCATION PETERBOROUGH

STATION 61102C 139 GEORGE ST.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
26 34 42 58 71 75 85 95 110 119 151

ANNUAL GEOMETRIC MEAN 72.0 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 1.6 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 88 % DE DONNEES DISPONIBLES

61102C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



54

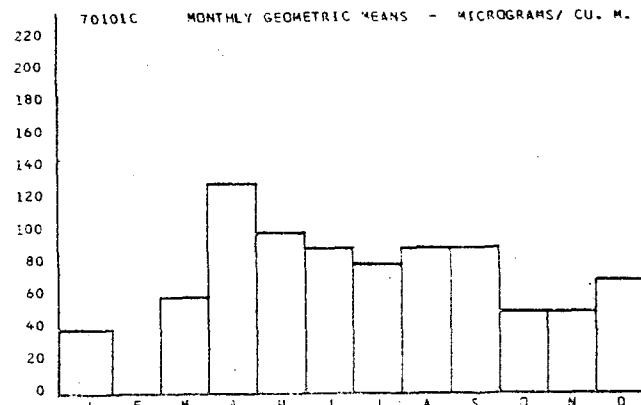
LOCATION WINNIPEG

STATION 70101C KENNEDY ST. & YORK AVE.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
25 38 49 55 66 72 86 95 110 126 193

ANNUAL GEOMETRIC MEAN 74.7 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 1.6 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 81 % DE DONNEES DISPONIBLES

70101C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION WINNIPEG

STATION 70102R PORTAGE AT WOODLAND

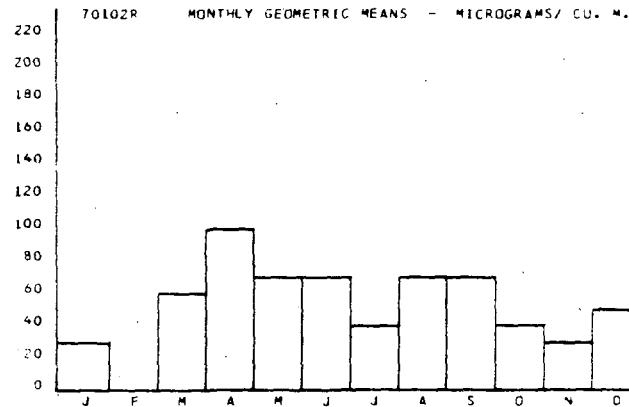
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 19 29 31 38 47 54 64 73 86 108 172

ANNUAL GEOMETRIC MEAN 56.1 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 80 % DE DONNEES DISPONIBLES

70102R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



5

LOCATION WINNIPEG

STATION 70103R HARTFORD AT MAIN

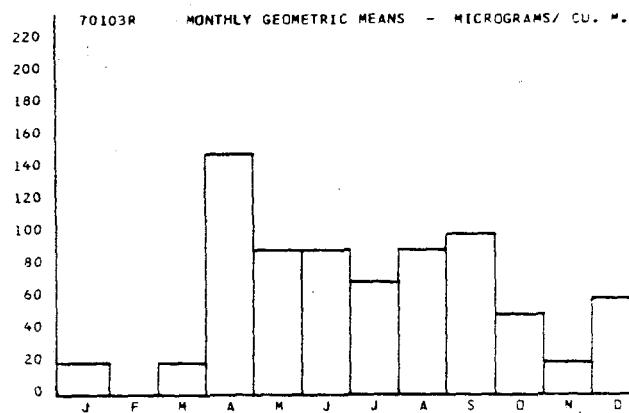
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 20 26 40 51 64 77 82 89 100 138 277

ANNUAL GEOMETRIC MEAN 70.3 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.8 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 70 % DE DONNEES DISPONIBLES

70103R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION WINNIPEG

STATION 701041 UNION STOCK YARDS

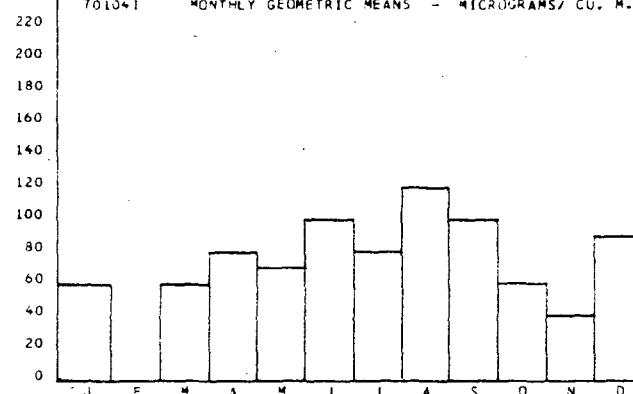
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
20 39 49 55 66 71 79 91 134 148 209

ANNUAL GEOMETRIC MEAN 75.9 MOYENNE ANNUELLE GÉOMÉTRIQUE

GEOMETRIC STANDARD DEVIATION 1.7 ECART-TYPE GÉOMÉTRIQUE

% OF DATA AVAILABLE 78 % DE DONNÉES DISPONIBLES

701041 MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



56

LOCATION REGINA

STATION 80101C 1955 SMITH STREET

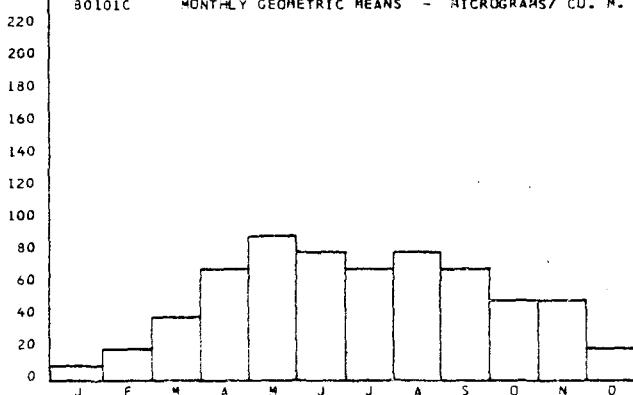
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
8 15 20 30 47 55 66 77 85 114 212

ANNUAL GEOMETRIC MEAN 48.6 MOYENNE ANNUELLE GÉOMÉTRIQUE

GEOMETRIC STANDARD DEVIATION 2.1 ECART-TYPE GÉOMÉTRIQUE

% OF DATA AVAILABLE 83 % DE DONNÉES DISPONIBLES

80101C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



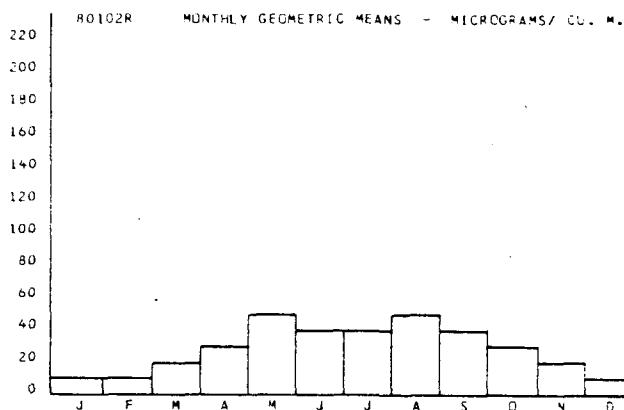
TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION REGINA

STATION 80102R 3211 ALBERT STREET

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
9 9 11 17 24 31 39 44 48 62 132

ANNUAL GEOMETRIC MEAN 28.8 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 2.0 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 92 % DE DONNEES DISPONIBLES



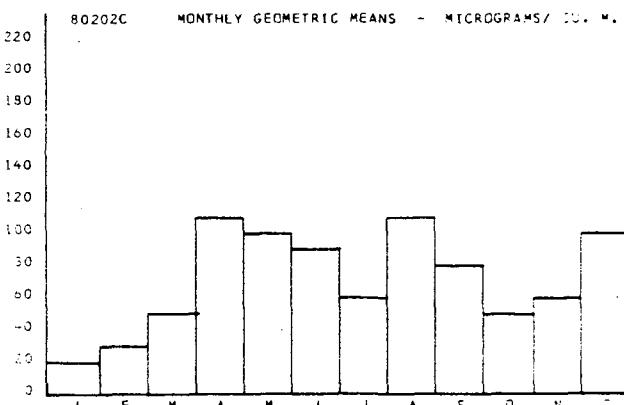
57

LOCATION SASKATOON

STATION 80202C CITY LIBRARY

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
19 23 35 47 65 77 85 94 116 134 192

ANNUAL GEOMETRIC MEAN 67.7 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 1.9 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 88 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION SASKATOON

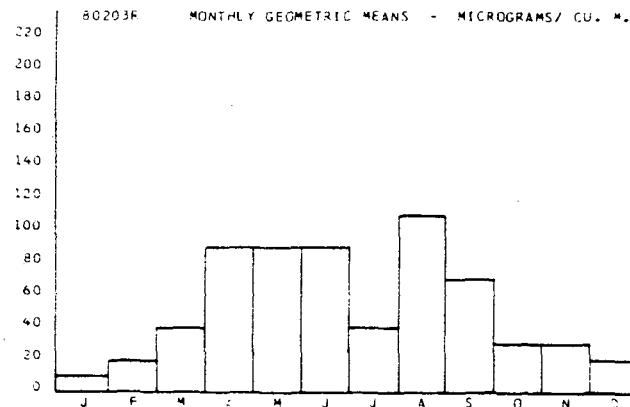
STATION 80203R MOUNT ROYAL LODGE

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
5 14 18 22 35 43 65 81 99 123 192

ANNUAL GEOMETRIC MEAN 44.4 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.3 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 90 % DE DONNEES DISPONIBLES



58

LOCATION MOOSE JAW

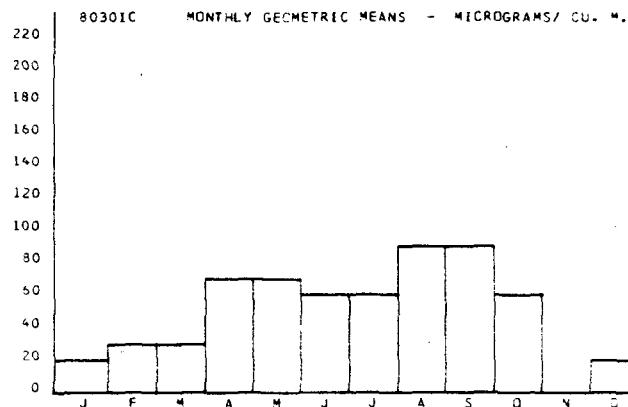
STATION 80301C TELEPHONE BUILDING

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
10 13 18 36 46 55 76 80 98 105 172

ANNUAL GEOMETRIC MEAN 48.3 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.2 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 92 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION PRINCE ALBERT

STATION 80401C 49-12TH ST. EAST

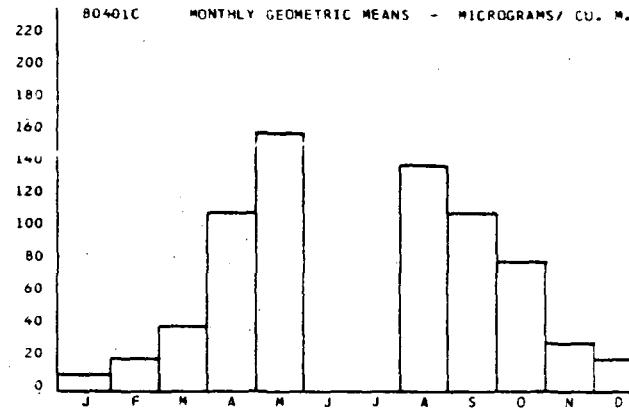
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
9 11 15 19 27 50 105 125 136 188 301

ANNUAL GEOMETRIC MEAN 50.5 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.9 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 80 % DE DONNEES DISPONIBLES

80401C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



50

LOCATION EDMONTON

STATION 90101C 98TH AND JASPER

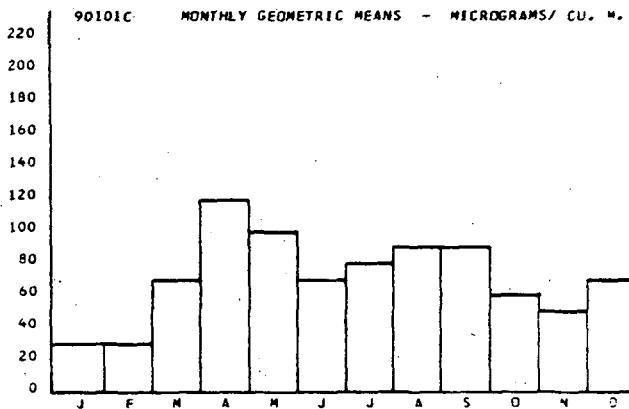
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
11 29 36 49 61 69 83 87 109 138 253

ANNUAL GEOMETRIC MEAN 65.6 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.9 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

90101C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION EDMONTON

STATION 90102I 46TH ST. AND 104TH AVE.

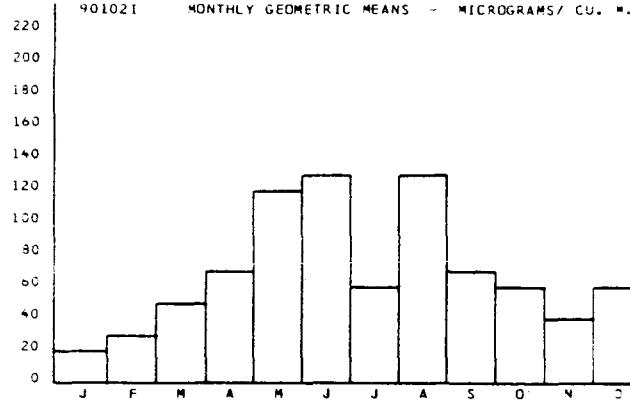
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
10 19 33 45 52 59 74 86 116 178 373

ANNUAL GEOMETRIC MEAN 62.2 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.2 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 96 % DE DONNEES DISPONIBLES

90102I MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



60

LOCATION EDMONTON

STATION 90103R 146TH ST. AND 92ND AVE.

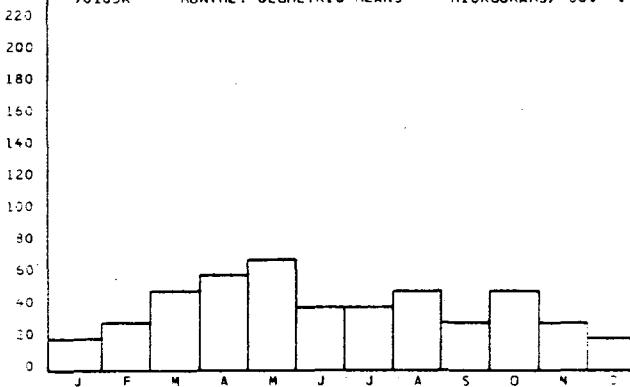
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
10 17 19 25 29 35 40 49 61 92 125

ANNUAL GEOMETRIC MEAN 36.7 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.8 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

90103R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION CALGARY

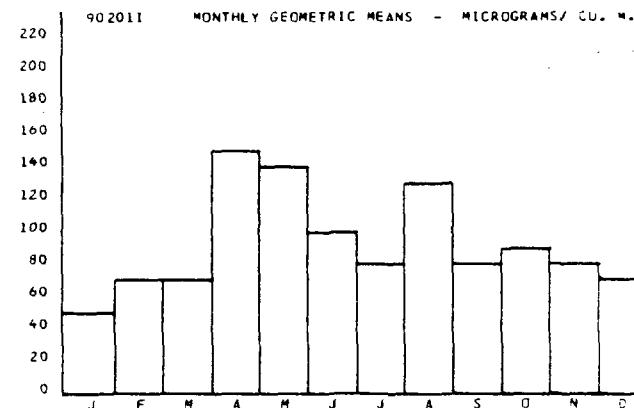
STATION 902011 6411 20TH ST., S.E.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
32 36 55 65 73 81 100 130 143 197 291

ANNUAL GEOMETRIC MEAN 89.5 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.8 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES



19

LOCATION CALGARY

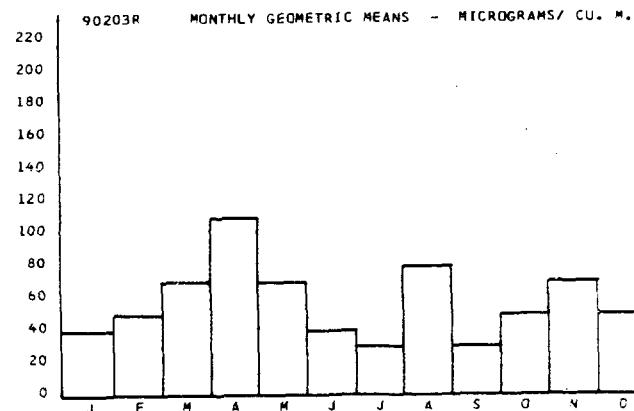
STATION 90203R 407 31ST AVE., N.W.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
11 20 33 41 46 53 60 67 79 113 244

ANNUAL GEOMETRIC MEAN 52.6 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.9 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION CALGARY

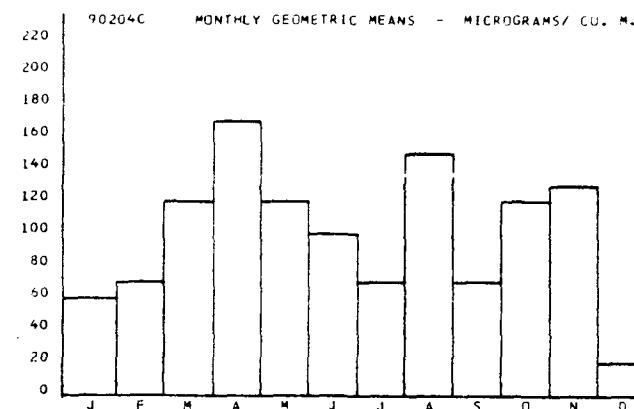
STATION 90204C 7 AVE. AND 2 ST., S.E.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 13 33 47 59 82 96 115 126 153 186 295

ANNUAL GEOMETRIC MEAN 84.8 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.1 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 90 % DE DONNEES DISPONIBLES



62

LOCATION RED DEER

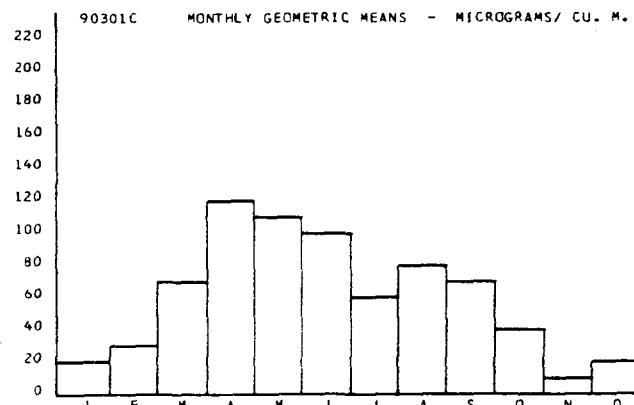
STATION 90301C 4720 49TH STREET

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 11 16 26 31 50 62 85 95 116 152 477

ANNUAL GEOMETRIC MEAN 58.4 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.5 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 78 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION MEDICINE HAT

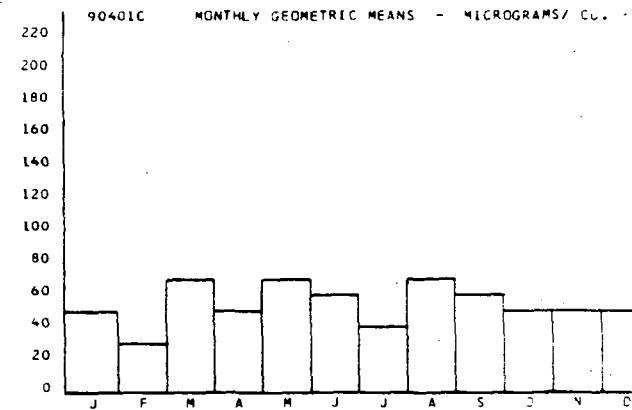
STATION 90401C 770 FIRST ST., S.E.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
26 35 41 44 50 54 58 64 81 102 123

ANNUAL GEOMETRIC MEAN 57.3 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.5 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 85 % DE DONNEES DISPONIBLES



63

LOCATION LETHBRIDGE

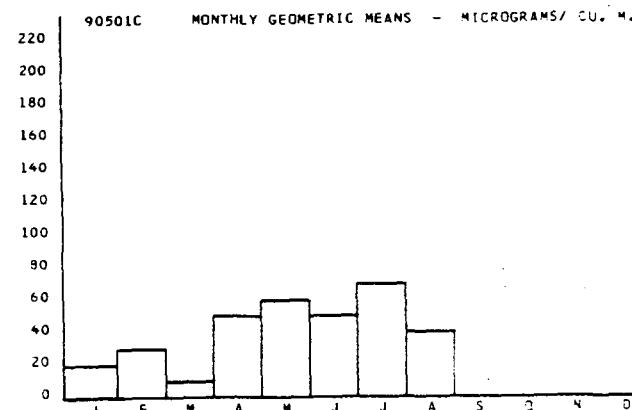
STATION 90501C 13 ST. AND 9 AVE. S.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
11 12 20 35 37 39 44 49 52 56 156

ANNUAL GEOMETRIC MEAN 38.0 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.9 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 32 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION VANCOUVER

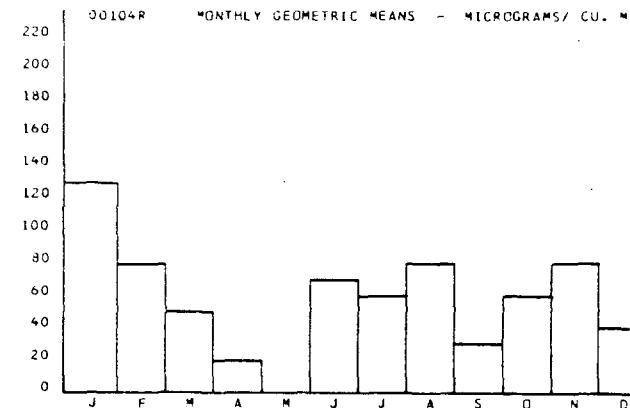
STATION 00104R 27TH AND ONTARIO

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
23 30 39 49 54 59 69 83 92 124 138

ANNUAL GEOMETRIC MEAN 61.6 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.6 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 55 % DE DONNEES DISPONIBLES



64

LOCATION VANCOUVER

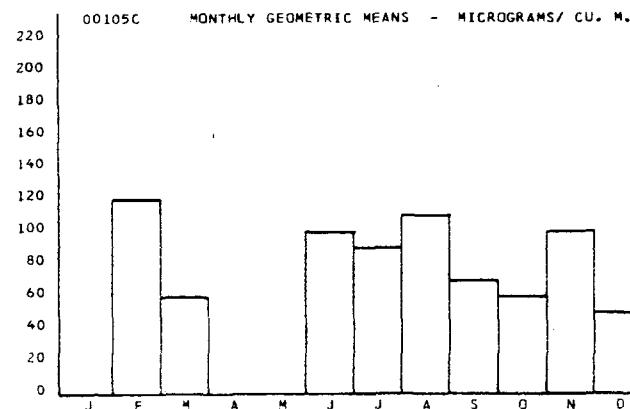
STATION 00105C 739 W. HASTINGS ST.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
32 37 47 55 71 84 93 98 110 135 146

ANNUAL GEOMETRIC MEAN 77.2 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.6 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 70 % DE DONNEES DISPONIBLES



TOTAL PARTICULATES
MICROGRAMS PER CUBIC METRE
PARTICULES EN SUSPENSION

LOCATION VICTORIA

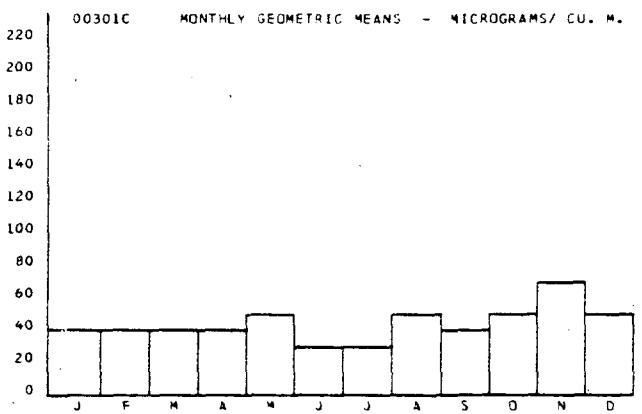
STATION 00301C POLICE STN. (FISGUARD)

FREQUENCY DISTRIBUTION ~ DECILES ~ DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
24 26 29 31 36 39 47 52 59 68 92

ANNUAL GEOMETRIC MEAN 43.6 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.4 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES



Lead

The reader is referred to the previous section (Suspended Particulates) for the details of sampling methodology. After the filter is removed from the high volume sampler it is analysed, subsequent to the determination of total particulate loading, for its lead content by atomic absorption spectroscopy. The units of measurement are micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

Like total particulate loadings, lead values generally follow a log-normal distribution. The presentation is identical to that of the previous section. Deciles and annual maximum and minimum are given for the distribution of observed lead values while the annual geometric mean and the geometric standard deviation are quoted for the log-normal distribution. The percentage of data available is also given. Accompanying each table is a graphical display in histogram form of the monthly geometric mean of lead values ($\mu\text{g}/\text{m}^3$).

Teneurs en plomb

Le lecteur trouvera à la section précédente (particules en suspension) les détails relatifs à l'échantillonnage. À la suite de la mesure des particules en suspension on procède au dosage du plomb par spectroscopie d'absorption atomique. On exprime les teneurs en plomb en microgrammes par mètre cube d'air ($\mu\text{g}/\text{m}^3$).

La courbe de distribution est normale si l'on emploie les logarithmes des concentrations tel que mentionné à la section sur les particules en suspension. De même on rapporte les déciles des valeurs telles que mesurées (non les logarithmes) ainsi que le minimum et le maximum annuels et le pourcentage de données disponibles. De plus, on trouve les valeurs relatives à une courbe de distribution des logarithmes des concentrations, à savoir la moyenne géométrique annuelle et l'écart-type géométrique. Un histogramme des moyennes géométriques mensuelles de teneurs en plomb accompagne chaque table.

STATIONS MEASURING LEAD VALUES

STATIONS MESURANT LES VALEURS DE PLOMB

10101	C,F	ST. JOHN'S, DUCKWORTH AND ORDINANCE
30101	C,F	HALIFAX, N.S. TECHNICAL COLLEGE
30102	R,F	HALIFAX, DALHOUSIE UNIVERSITY
30304	R,F	SYDNEY, CITY HOSPITAL
30310	C,F	SYDNEY, COUNTY JAIL
40201	C,F	SAINT JOHN, 110 CHARLOTTE ST.
40301	C,F	MONCTON, POST OFFICE
50102	R,F	MONTREAL, BOTANICAL GARDENS
50103	R,F	MONTREAL, POINTE AUX TREMBLES
50105	C,F	MONTREAL, 1212 DRUMMOND
50106	R,F	MONTREAL, VILLE ST LAURENT
50107	R,F	MONTREAL, VILLE LASALLE
50108	R,P	MONTREAL, 1700 BOURASSA (LONGUEUIL)
50201	C,F	HULL, RUE PRINCIPALE
50301	C,F	QUEBEC, PARC-AUTOS PAQUET-LALIBERTE
50302	R,F	QUEBEC, PARC-BARDY
50303	I,F	QUEBEC, CENTRE DE LOISIRS LIMOILOU
50402	R,F	SHERBROOKE, CASERNE DE POMPIERS #5
50501	C,F	CHICOUTIMI, CITY HALL
50502	R,F	CHICOUTIMI, FILTRATION WORKS
60101	C,F	OTTAWA, SLATER AND ELGIN
60201	I,F	WINDSOR, MORTON TERMINAL DOCK
60202	C,F	WINDSOR, CITY HALL
60203	R,F	WINDSOR-TECUMSEH WATER WORKS

60301	R,F	KINGSTON, QUEEN'S UNIVERSITY
60401	C,P	TORONTO, 67 COLLEGE STREET
60403	I,P	TORONTO, ETOBICOKE, EVANS-ARNOLD
60409	R,P	TORONTO, REDLANDS CRESCENT
60501	C,P	HAMILTON, BARTON AND WENTWORTH
60602	R,P	SUDBURY, ASH STREET
60801	C,P	THUNDER BAY, 14 ALGOMA STREET
60901	C,P	LONDON, KING-RECTORY
61001	C,P	SARNIA, 156 VICTORIA ST.
61102	C,P	PETERBOROUGH, 139 GEORGE ST.
70101	C,F	WINNIPEG, KENNEDY AND YORK AVE.
70102	R,F	WINNIPEG, PORTAGE AT WOODLAWN
70103	R,F	WINNIPEG, HARTFORD AT MAIN
70104	I,F	WINNIPEG, UNION STOCK YARDS
80101	C,F	REGINA, 1955 SMITH STREET
80102	R,F	REGINA, 3211 ALBERT STREET
80202	C,F	SASKATOON, CITY LIBRARY
80203	R,F	SASKATOON, MOUNT ROYAL LODGE
80301	C,F	MOOSE JAW, TELEPHONE BLDG.
80401	C,F	PRINCE ALBERT, 49-12TH ST. EAST
90101	C,F	EDMONTON, 98TH AND JASPER
90102	I,F	EDMONTON, 46TH ST. AND 104TH AVE.
90103	R,F	EDMONTON, 146TH ST. AND 92ND AVE.
90201	I,F	CALGARY, 6411 20TH ST., S.E.
90203	R,F	CALGARY, 407 31 AVE., N.W.
90204	C,F	CALGARY, 7TH AVE. AND 2ND ST., S.E.
90301	C,F	RED DEER, 4720 49TH STREET

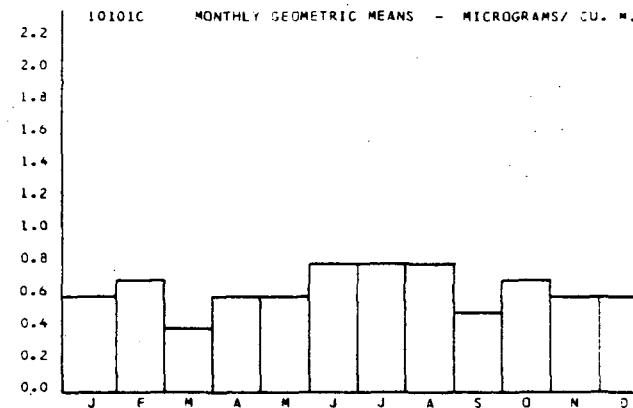
90401	C,F	MEDICINE HAT, 770 FIRST ST. S.E.
90501	C,F	LETHBRIDGE, 13 ST. AND 9 AVE. S.
00104	R,F	VANCOUVER, 27TH AND ONTARIO
00105	C,F	VANCOUVER, 739 W. HASTINGS ST.
00301	C,F	VICTORIA, POLICE STN. (FISGUARD)

LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION ST. JOHN'S
STATION 10101C DUCKWORTH AND ORDINANCE

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.28 0.35 0.42 0.46 0.50 0.59 0.65 0.74 0.86 1.03 2.13

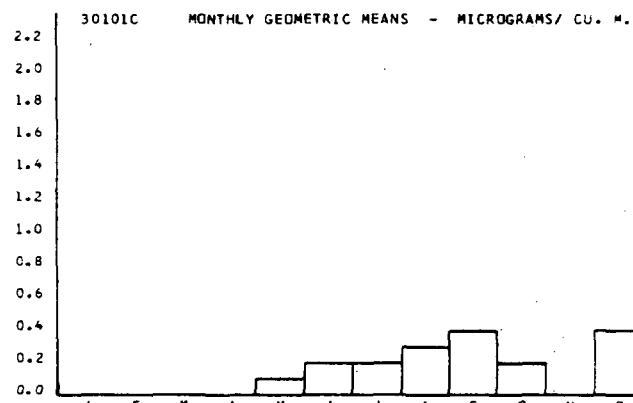
ANNUAL GEOMETRIC MEAN 0.64 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 1.52 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 74 % DE DONNEES DISPONIBLES



LOCATION HALIFAX
STATION 30101C N.S. TECHNICAL COLLEGE

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.12 0.06 0.11 0.14 0.17 0.19 0.31 0.38 0.46 0.54 0.63

ANNUAL GEOMETRIC MEAN 0.28 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 1.71 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 42 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMBE

LOCATION HALIFAX

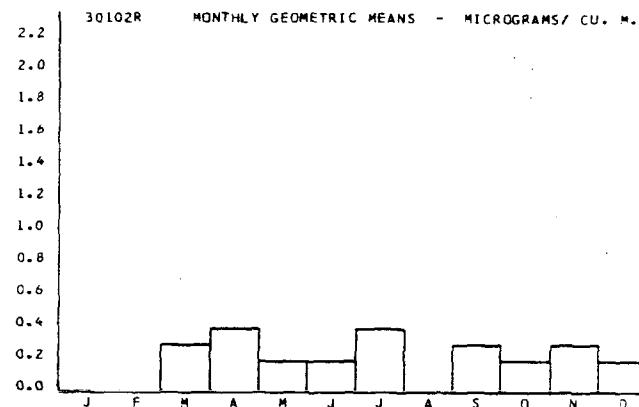
STATION 30102R DALHOUSIE UNIVERSITY

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.08 0.05 0.10 0.14 0.18 0.21 0.25 0.28 0.32 0.37 0.74

ANNUAL GEOMETRIC MEAN 0.23 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.75 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 60 % DE DONNEES DISPONIBLES



72

LOCATION SYDNEY

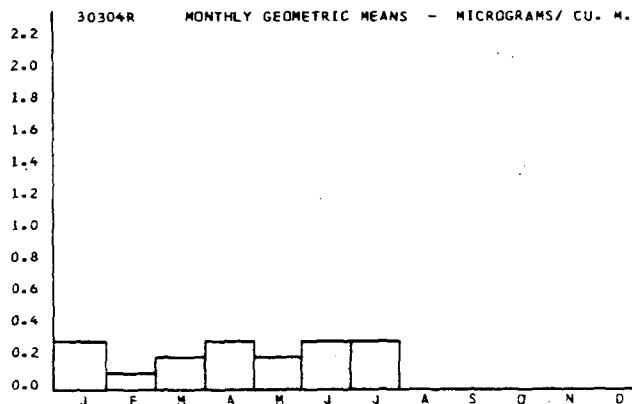
STATION 30304R CITY HOSPITAL

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.06 0.06 0.11 0.13 0.16 0.18 0.22 0.27 0.32 0.37 0.62

ANNUAL GEOMETRIC MEAN 0.23 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.66 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 71 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION SYDNEY

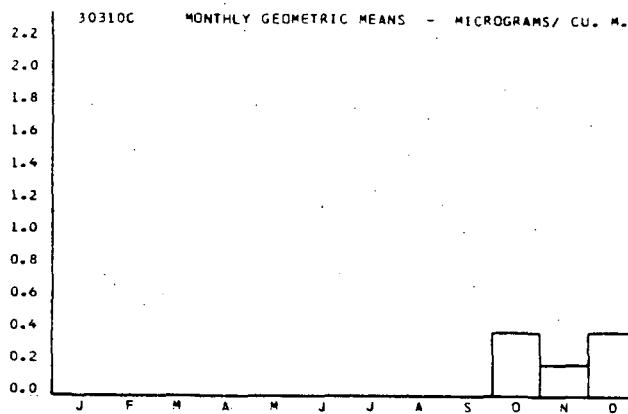
STATION 30310C COUNTY JAIL

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.07 0.06 0.14 0.21 0.25 0.29 0.32 0.35 0.39 0.91 1.28

ANNUAL GEOMETRIC MEAN 0.31 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.16 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 61 % DE DONNEES DISPONIBLES



73

LOCATION SAINT JOHN

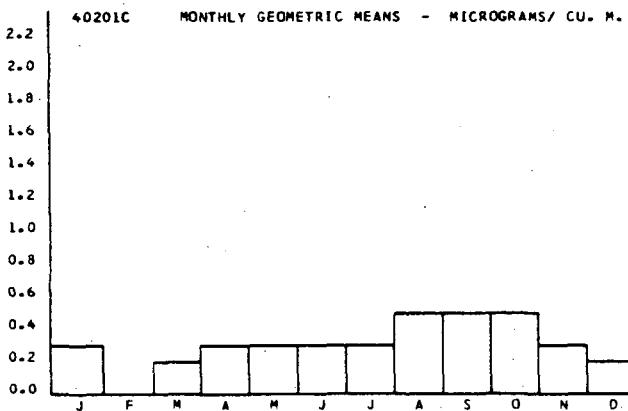
STATION 40201C 110 CHARLOTTE ST.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.08 0.12 0.16 0.19 0.23 0.27 0.32 0.36 0.40 0.49 1.04

ANNUAL GEOMETRIC MEAN 0.31 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.64 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 67 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION MONCTON

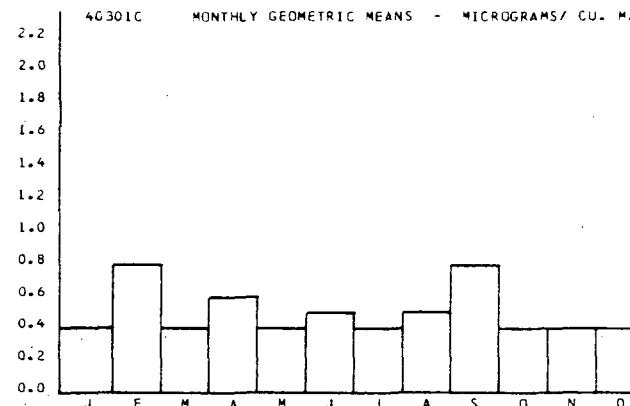
STATION 40301C POST OFFICE

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.15 0.20 0.27 0.33 0.38 0.43 0.46 0.51 0.62 0.68 0.91

ANNUAL GEOMETRIC MEAN 0.45 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.51 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 82 % DE DONNEES DISPONIBLES



LOCATION MONTREAL

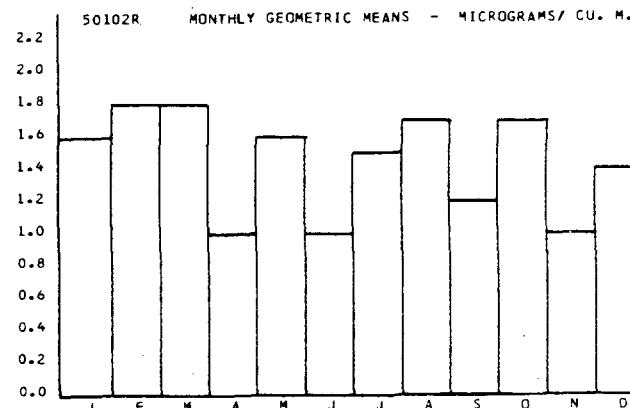
STATION 50102R BOTANICAL GARDENS

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.54 0.66 0.92 1.18 1.28 1.38 1.48 1.83 2.06 2.78 3.40

ANNUAL GEOMETRIC MEAN 1.44 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.60 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 82 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION MONTREAL

STATION 50103R POINTE AUX TREMBLES

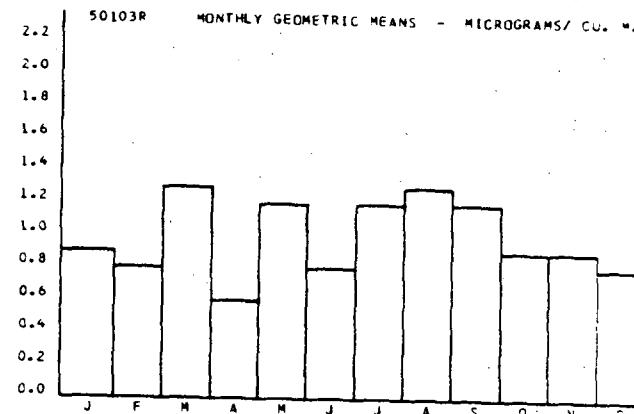
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.44 0.54 0.63 0.71 0.78 0.88 1.13 1.24 1.38 1.59 2.12

ANNUAL GEOMETRIC MEAN 0.95 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.52 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 61 % DE DONNEES DISPONIBLES

50103R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



75

LOCATION MONTREAL

STATION 50105C 1212 DRUMMOND

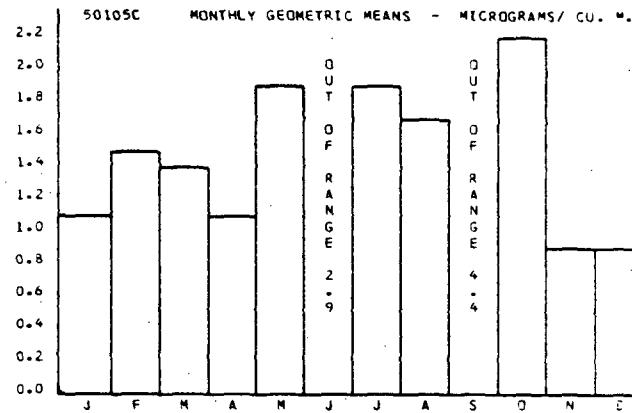
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.61 0.76 1.01 1.14 1.37 1.60 1.96 2.32 2.78 3.24 7.94

ANNUAL GEOMETRIC MEAN 1.70 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.78 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 72 % DE DONNEES DISPONIBLES

50105C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION MONTREAL

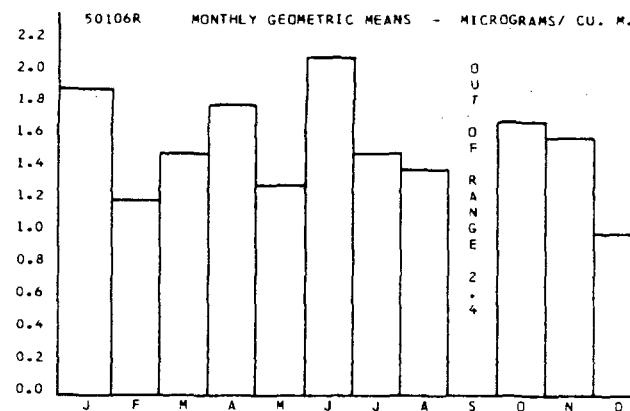
STATION 50106R VILLE ST. LAURENT

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.79 0.94 1.14 1.31 1.35 1.40 1.60 1.68 2.08 2.39 3.80

ANNUAL GEOMETRIC MEAN 1.56 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.44 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 63 % DE DONNEES DISPONIBLES



76

LOCATION MONTREAL

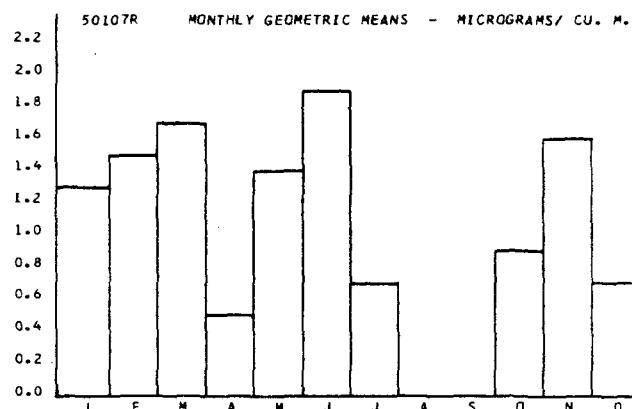
STATION 50107R VILLE LASALLE

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.38 0.52 0.58 0.84 0.98 1.06 1.31 1.59 2.06 2.93 7.65

ANNUAL GEOMETRIC MEAN 1.22 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.97 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 53 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION MONTREAL

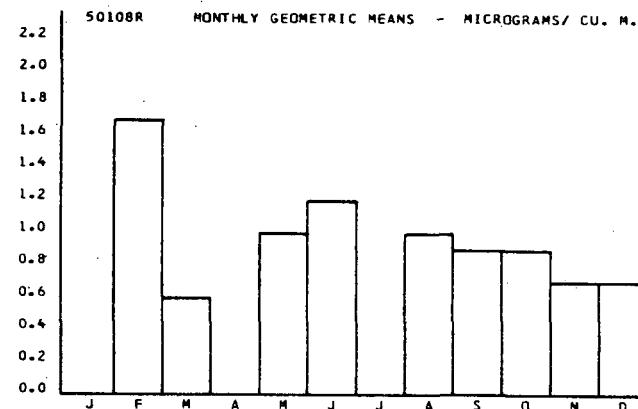
STATION 50108R 1700 BOURASSA (LONGUEUIL)

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.41 0.45 0.56 0.72 0.77 0.84 1.13 1.28 1.44 1.69 2.63

ANNUAL GEOMETRIC MEAN 0.95 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.61 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 66 % DE DONNEES DISPONIBLES



LOCATION HULL

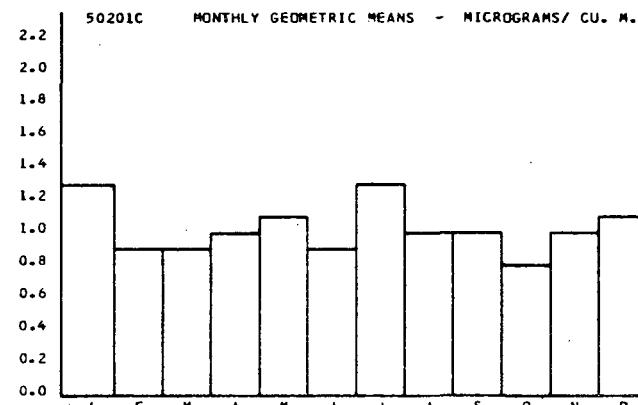
STATION 50201C RUE PRINCIPALE

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.28 0.55 0.62 0.70 0.84 0.97 1.08 1.26 1.39 1.76 2.19

ANNUAL GEOMETRIC MEAN 1.00 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.55 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 90 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION QUEBEC

STATION 50301C PARC-AUTOS PAQUET-LALIBERTE

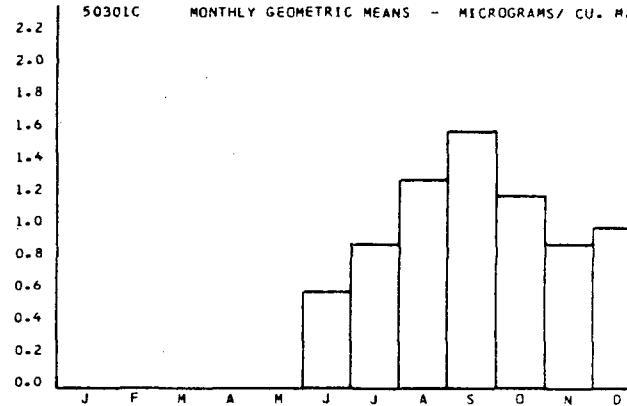
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 0.35 0.38 0.60 0.85 1.10 1.25 1.35 1.44 1.50 1.77 1.95

ANNUAL GEOMETRIC MEAN 1.07 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.67 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 86 % DE DONNEES DISPONIBLES

50301C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



78

LOCATION QUEBEC

STATION 50302R PARC-BARDY

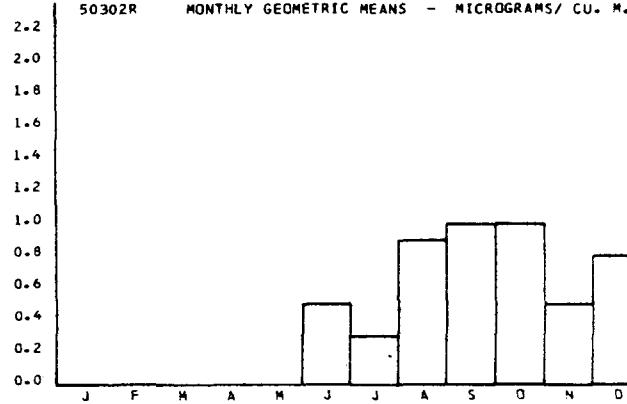
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 0.25 0.33 0.39 0.52 0.58 0.82 0.89 0.97 1.24 1.57 1.95

ANNUAL GEOMETRIC MEAN 0.76 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.74 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 79 % DE DONNEES DISPONIBLES

50302R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION QUEBEC

STATION 50303I CENTRE DE LOISIRS LIMOILOU

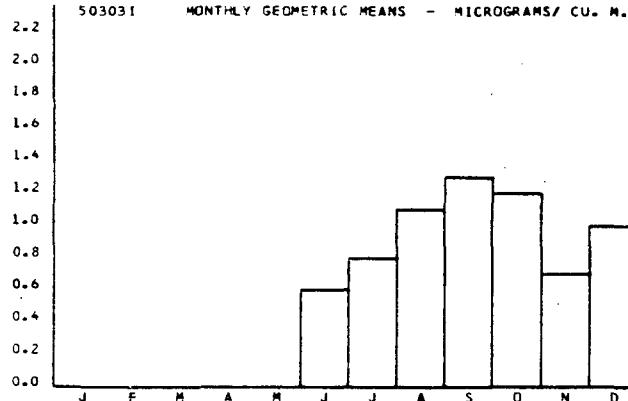
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.29 0.29 0.54 0.71 0.89 1.01 1.08 1.19 1.46 1.58 2.92

ANNUAL GEOMETRIC MEAN 0.94 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.78 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 84 % DE DONNEES DISPONIBLES

50303I MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



7

LOCATION SHERBROOKE

STATION 50402R CASERNE DE POMPIERS #5

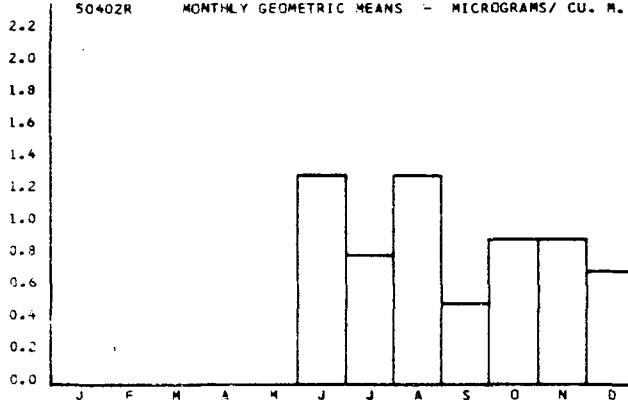
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.07 0.18 0.48 0.67 0.91 0.97 1.04 1.26 1.92 2.02 4.20

ANNUAL GEOMETRIC MEAN 0.89 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.54 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 69 % DE DONNEES DISPONIBLES

50402R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



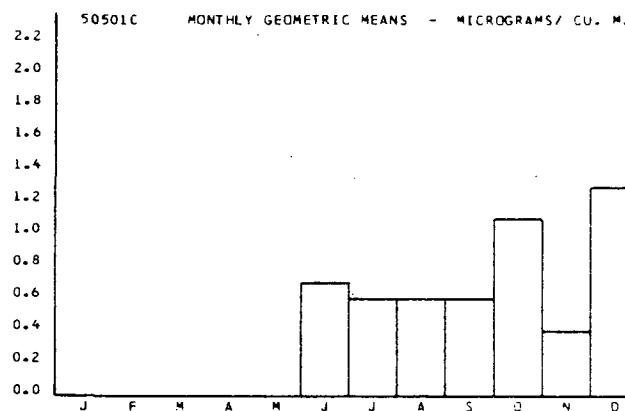
LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION CHICOUTIMI

STATION 50501C CITY HALL

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.32 0.31 0.42 0.52 0.59 0.67 0.76 0.87 1.05 1.28 2.08

ANNUAL GEOMETRIC MEAN 0.72 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 1.62 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 76 % DE DONNEES DISPONIBLES



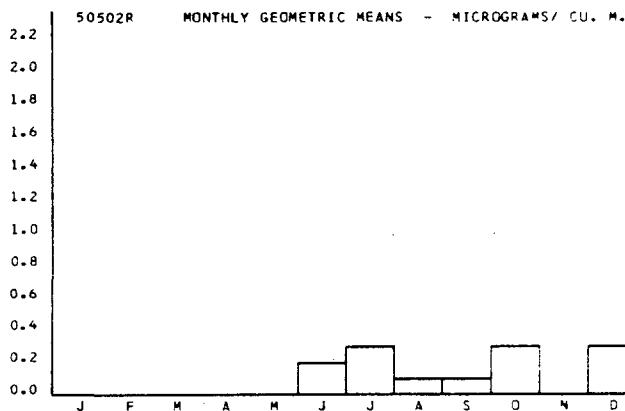
80

LOCATION CHICOUTIMI

STATION 50502R FILTRATION WORKS

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.09 0.04 0.07 0.11 0.14 0.17 0.20 0.24 0.28 0.54 0.62

ANNUAL GEOMETRIC MEAN 0.21 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 1.83 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 62 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION OTTAWA

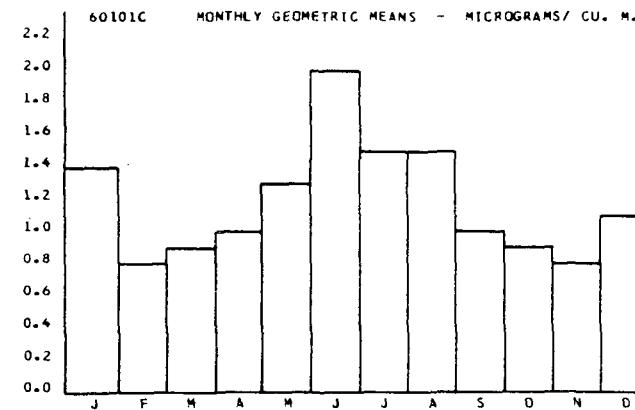
STATION 60101C SLATER AND ELGIN

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.29 0.65 0.76 0.87 1.01 1.13 1.28 1.47 1.58 1.87 3.25

ANNUAL GEOMETRIC MEAN 1.17 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.57 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 90 % DE DONNEES DISPONIBLES



18

LOCATION WINDSOR

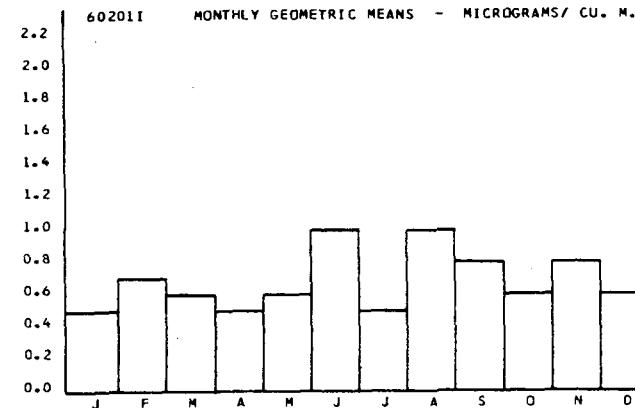
STATION 60201I MORTON TERMINAL DOCK

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.17 0.31 0.37 0.43 0.51 0.56 0.63 0.77 0.97 1.30 2.34

ANNUAL GEOMETRIC MEAN 0.65 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.69 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION WINDSOR

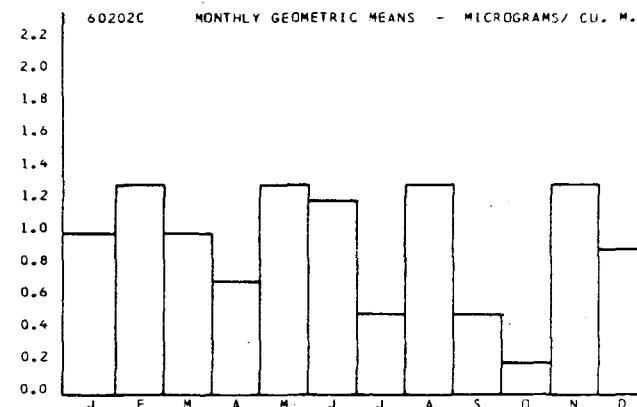
STATION 60202C CITY HALL

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.15 0.32 0.57 0.74 0.83 0.92 0.97 1.11 1.38 1.78 2.78

ANNUAL GEOMETRIC MEAN 0.88 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.92 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 82 % DE DONNEES DISPONIBLES



82

LOCATION WINDSOR

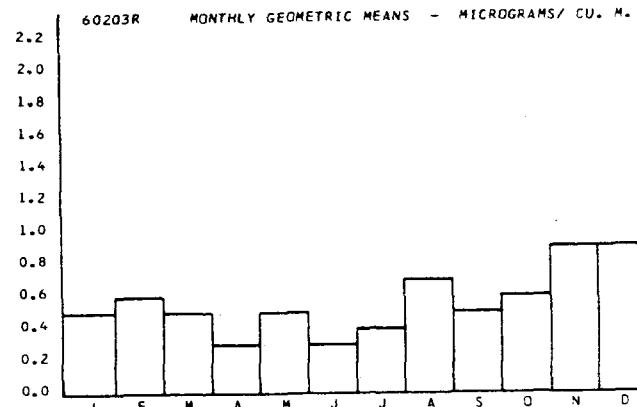
STATION 60203R WINDSOR-TECUMSEH WATER WORKS

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.05 0.20 0.32 0.37 0.41 0.47 0.60 0.68 0.85 1.10 1.85

ANNUAL GEOMETRIC MEAN 0.53 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.86 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION KINGSTON

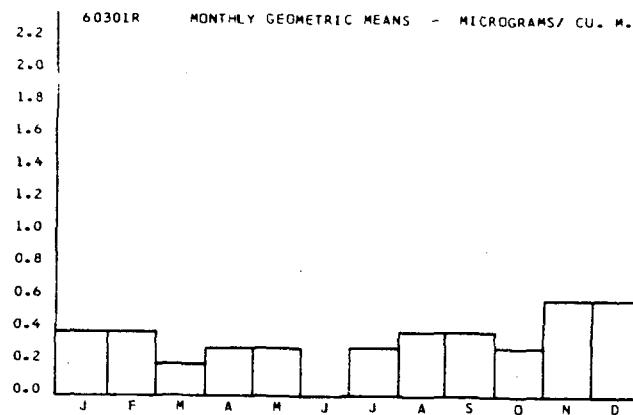
STATION 60301R QUEEN'S UNIVERSITY

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.16 0.15 0.20 0.24 0.27 0.31 0.35 0.39 0.48 0.57 0.74

ANNUAL GEOMETRIC MEAN 0.36 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.48 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 88 % DE DONNEES DISPONIBLES



83

LOCATION TORONTO

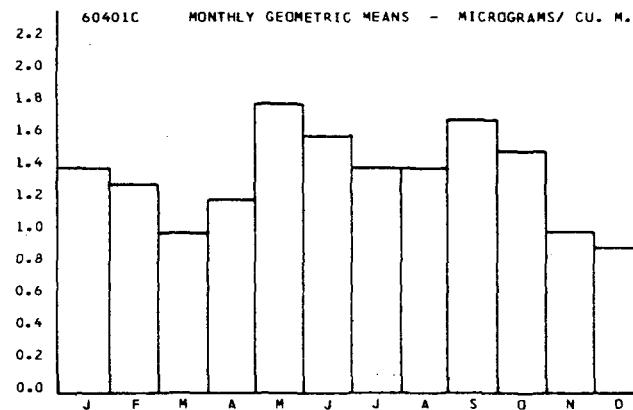
STATION 60401C 67 COLLEGE STREET

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.50 0.81 0.96 1.10 1.23 1.35 1.46 1.59 1.69 1.98 3.20

ANNUAL GEOMETRIC MEAN 1.36 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.44 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION TORONTO

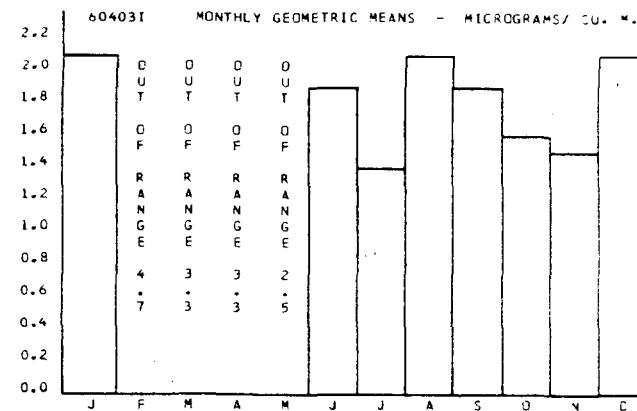
STATION 60403I EVANS/ARNOLD

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 0.40 1.11 1.36 1.76 1.93 2.10 2.34 2.64 3.56 4.58 7.50

ANNUAL GEOMETRIC MEAN 2.22 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.77 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES



84

LOCATION TORONTO

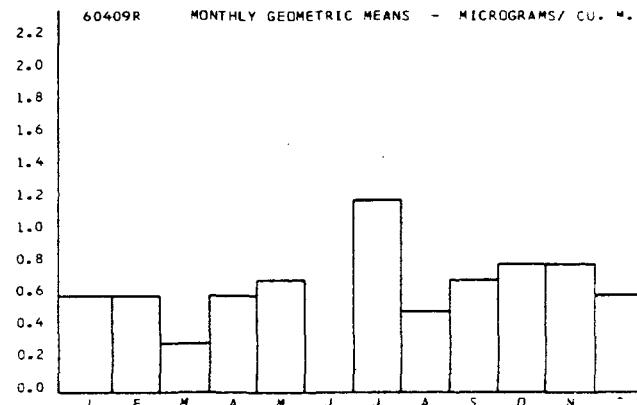
STATION 60409R REDLANDS CRESCENT

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 0.20 0.24 0.31 0.39 0.46 0.57 0.69 0.88 1.11 1.32 1.90

ANNUAL GEOMETRIC MEAN 0.63 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.83 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 97 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION HAMILTON

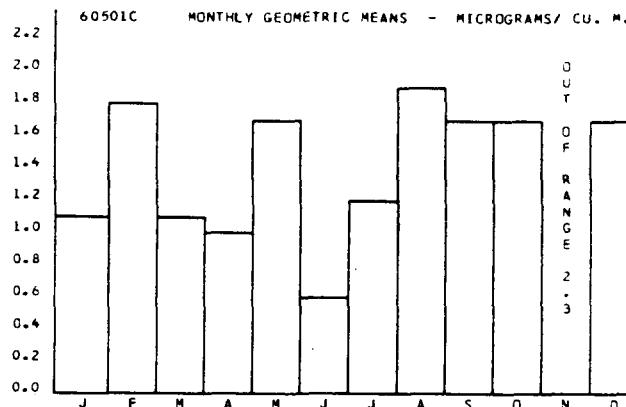
STATION 60501C BARTON AND WENTWORTH

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.30 0.54 0.86 1.02 1.13 1.28 1.74 2.24 2.43 2.83 3.50

ANNUAL GEOMETRIC MEAN 1.40 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.81 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES



58

LOCATION SUDBURY

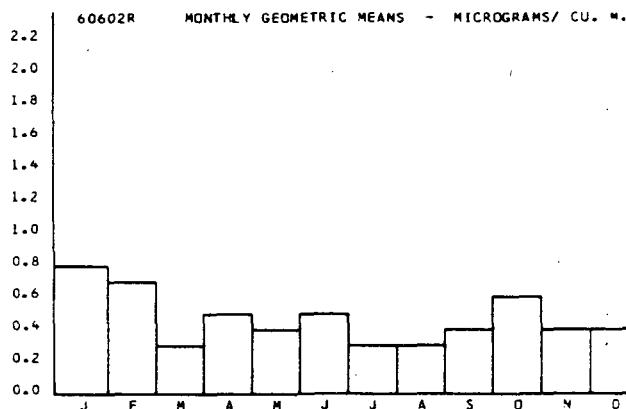
STATION 60602R ASH STREET

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.20 0.17 0.22 0.25 0.29 0.38 0.43 0.48 0.56 0.82 1.60

ANNUAL GEOMETRIC MEAN 0.42 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.67 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION THUNDER BAY

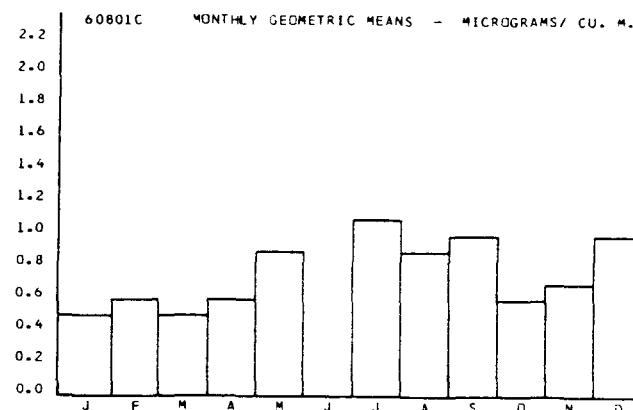
STATION 60801C 14 ALGOMA STREET

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.30 0.33 0.51 0.55 0.60 0.66 0.80 0.87 0.95 1.34 1.80

ANNUAL GEOMETRIC MEAN 0.73 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.58 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES



86

LOCATION LONDON

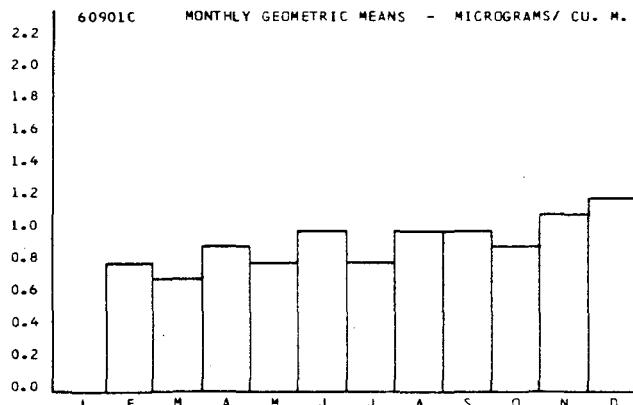
STATION 60901C KING-RECTORY

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.30 0.45 0.63 0.69 0.83 0.93 0.98 1.15 1.23 1.48 2.10

ANNUAL GEOMETRIC MEAN 0.93 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.55 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION SARNIA

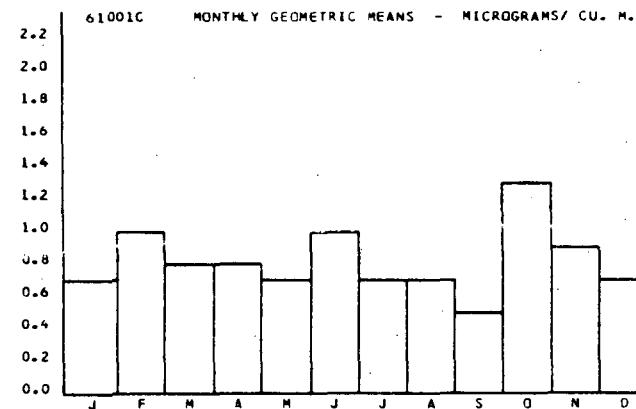
STATION 61001C 156 VICTORIA STREET

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.10 0.44 0.54 0.64 0.72 0.78 0.85 0.97 1.08 1.30 1.90

ANNUAL GEOMETRIC MEAN 0.80 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.58 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES



87

LOCATION PETERBOROUGH

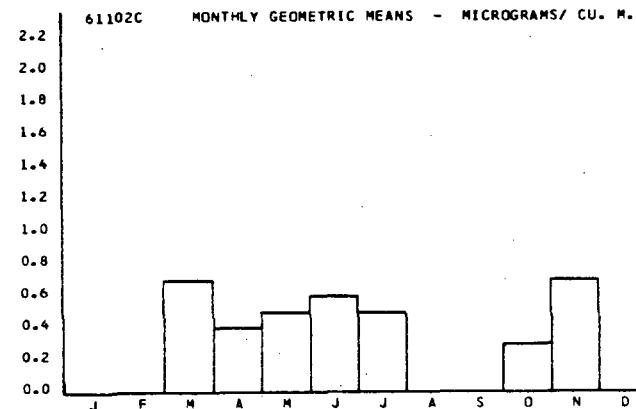
STATION 61102C 139 GEORGE ST.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.20 0.23 0.28 0.38 0.44 0.48 0.53 0.58 0.76 1.04 1.30

ANNUAL GEOMETRIC MEAN 0.53 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.62 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 88 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION WINNIPEG

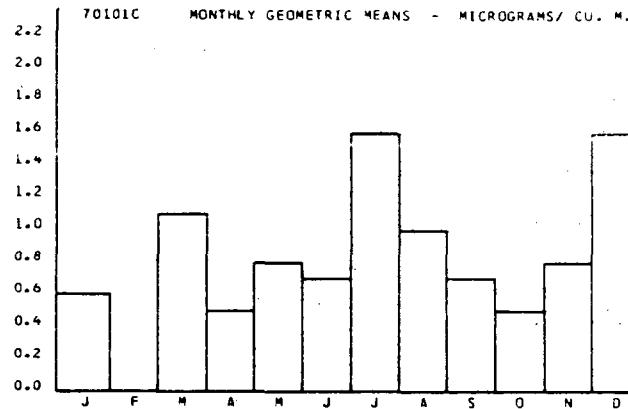
STATION 70101C KENNEDY ST. & YORK AVE.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.25 0.33 0.39 0.45 0.54 0.70 0.83 0.95 1.28 2.54 6.57

ANNUAL GEOMETRIC MEAN 0.82 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.19 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 81 % DE DONNEES DISPONIBLES



LOCATION WINNIPEG

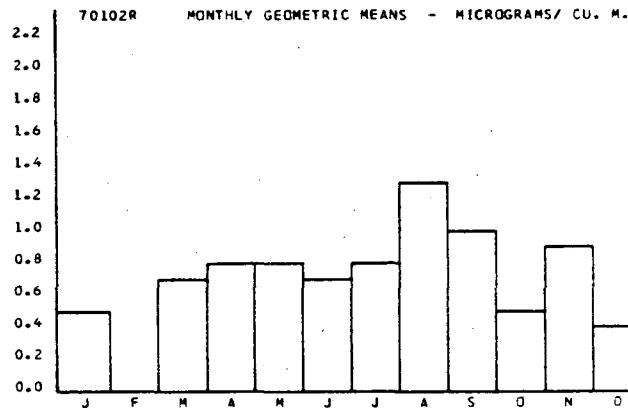
STATION 70102R PORTAGE AT WOODLAND

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.16 0.26 0.40 0.44 0.48 0.58 0.75 1.13 1.49 2.09 4.96

ANNUAL GEOMETRIC MEAN 0.77 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.18 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 80 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION WINNIPEG

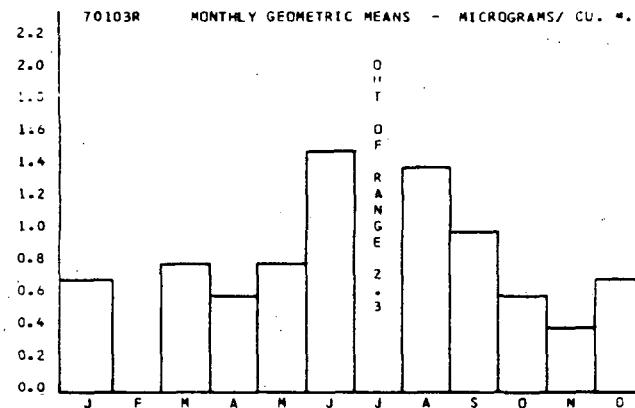
STATION 70103R HARTFORD AT MAIN

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.24 0.27 0.47 0.55 0.65 0.78 1.00 1.45 1.60 2.72 4.50

ANNUAL GEOMETRIC MEAN 0.91 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.13 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 70 % DE DONNEES DISPONIBLES



68

LOCATION WINNIPEG

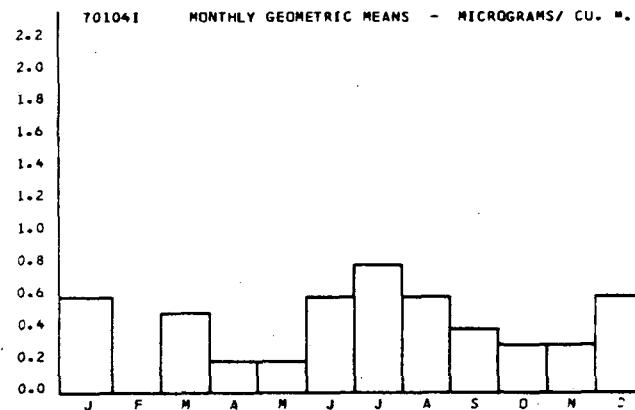
STATION 70104I UNION STOCK YARDS

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.11 0.12 0.15 0.18 0.27 0.38 0.49 0.72 0.92 1.16 2.87

ANNUAL GEOMETRIC MEAN 0.43 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.30 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 78 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION REGINA

STATION 80101C 1955 SMITH STREET

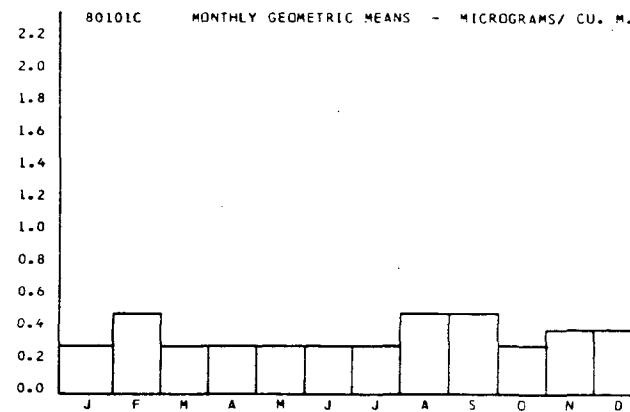
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 0.17 0.16 0.21 0.25 0.28 0.32 0.36 0.40 0.50 0.61 0.76

ANNUAL GEOMETRIC MEAN 0.37 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.46 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 83 % DE DONNEES DISPONIBLES

80101C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



06

LOCATION REGINA

STATION 80102R 3211 ALBERT STREET

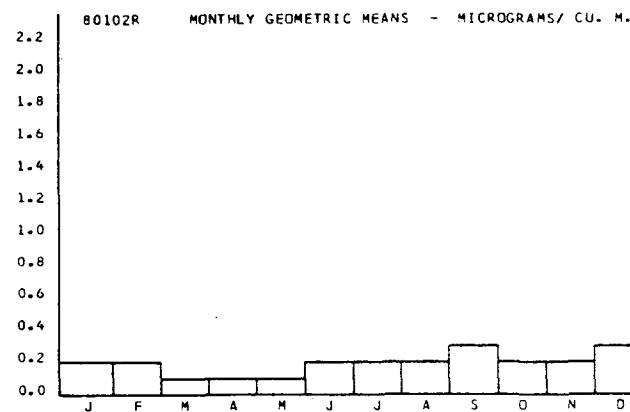
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 0.05 0.03 0.06 0.08 0.11 0.15 0.18 0.23 0.29 0.39 0.59

ANNUAL GEOMETRIC MEAN 0.19 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.83 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 92 % DE DONNEES DISPONIBLES

80102R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



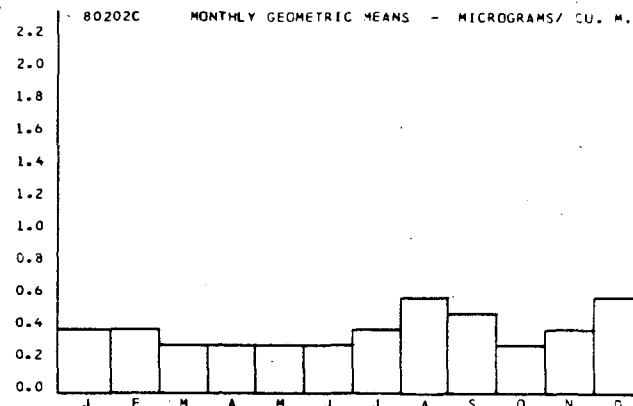
LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION SASKATOON

STATION 80202C CITY LIBRARY

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.17 0.16 0.21 0.24 0.28 0.31 0.34 0.38 0.43 0.56 1.99

ANNUAL GEOMETRIC MEAN 0.36 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 1.55 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 88 % DE DONNEES DISPONIBLES

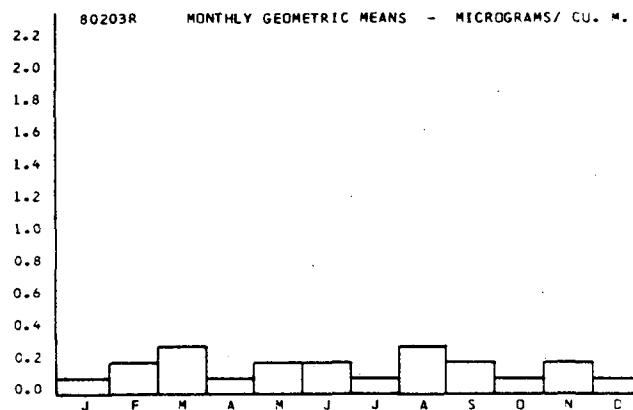


LOCATION SASKATOON

STATION 80203R MOUNT ROYAL LODGE

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.08 0.02 0.05 0.07 0.09 0.12 0.14 0.17 0.19 0.27 0.66

ANNUAL GEOMETRIC MEAN 0.16 MOYENNE ANNUELLE GEOMETRIQUE
GEOMETRIC STANDARD DEVIATION 1.58 ECART-TYPE GEOMETRIQUE
% OF DATA AVAILABLE 90 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION MOOSE JAW

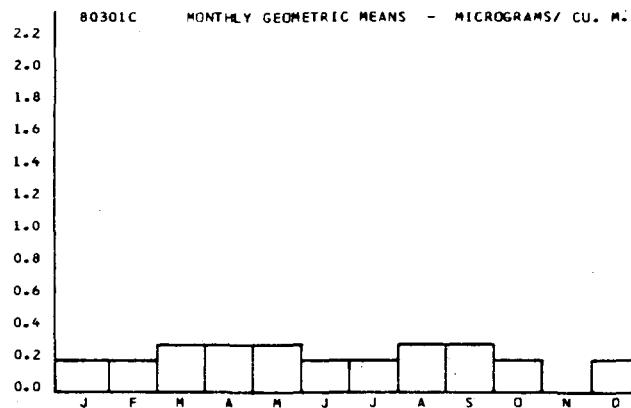
STATION 80301C TELEPHONE BUILDING

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.12 0.11 0.14 0.17 0.19 0.22 0.25 0.27 0.30 0.41 0.60

ANNUAL GEOMETRIC MEAN 0.26 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.42 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 92 % DE DONNEES DISPONIBLES



92

LOCATION PRINCE ALBERT

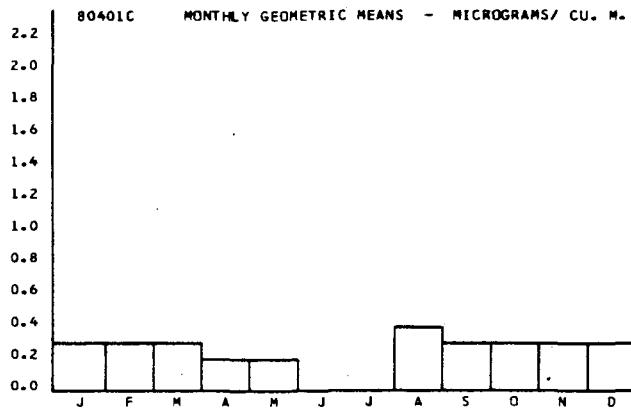
STATION 80401C 49-12TH ST. EAST

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.09 0.10 0.16 0.21 0.24 0.26 0.29 0.33 0.38 0.44 0.71

ANNUAL GEOMETRIC MEAN 0.29 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.56 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 80 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION EDMONTON

STATION 90101C 98TH AND JASPER

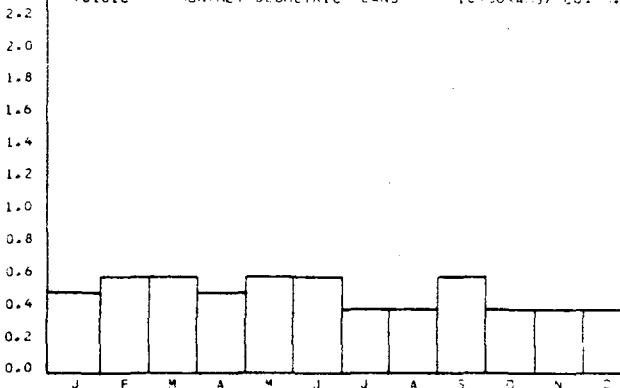
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.20 0.20 0.27 0.33 0.39 0.46 0.51 0.56 0.61 0.81 1.40

ANNUAL GEOMETRIC MEAN 0.48 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.61 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

90101C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



63

LOCATION EDMONTON

STATION 90102I 46TH ST. AND 104TH AVE.

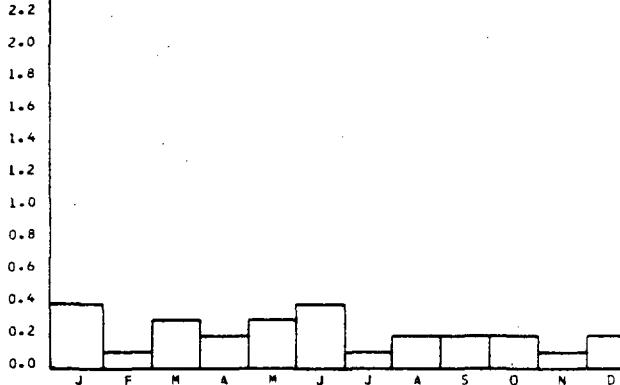
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.10 0.04 0.08 0.11 0.15 0.18 0.22 0.26 0.31 0.38 1.90

ANNUAL GEOMETRIC MEAN 0.23 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.93 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 91 % DE DONNEES DISPONIBLES

90102I MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION EDMONTON

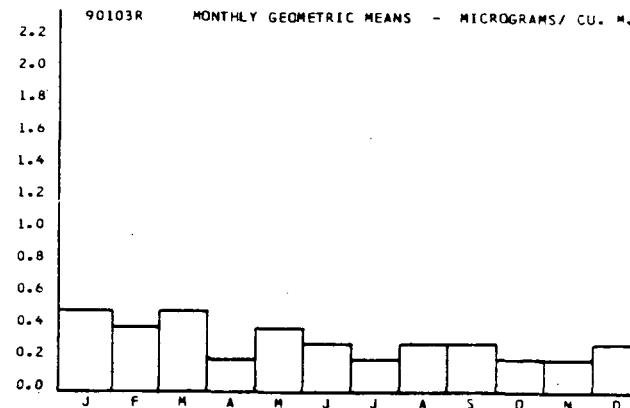
STATION 90103R 146TH ST. AND 92ND AVE.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.10 0.08 0.14 0.20 0.23 0.26 0.30 0.34 0.39 0.57 1.30

ANNUAL GEOMETRIC MEAN 0.30 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.81 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES



LOCATION CALGARY

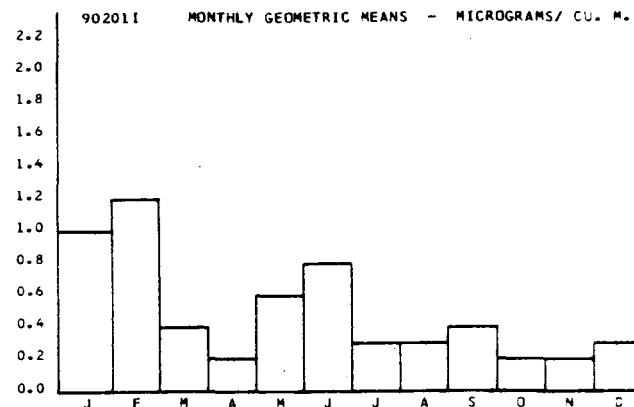
STATION 90201I 6411 20TH ST., S.E.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.10 0.07 0.15 0.23 0.31 0.37 0.52 0.68 0.77 1.06 1.70

ANNUAL GEOMETRIC MEAN 0.41 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.25 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION CALGARY

STATION 90203R 407 31ST AVE., N.W.

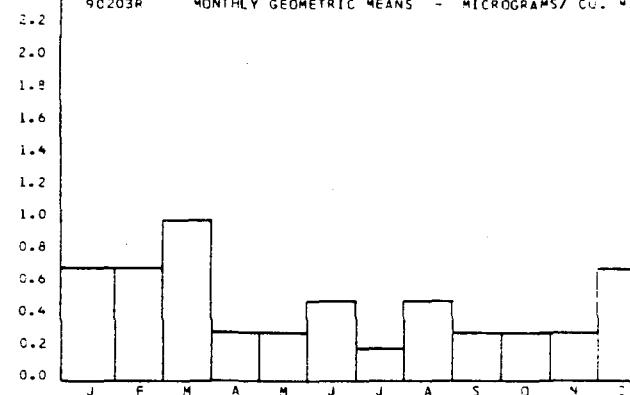
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.10 0.12 0.17 0.22 0.30 0.40 0.47 0.65 0.94 1.34 2.80

ANNUAL GEOMETRIC MEAN 0.45 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.24 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES

90203R MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



56

LOCATION CALGARY

STATION 90204C 7 AVE. AND 2 ST., S.E.

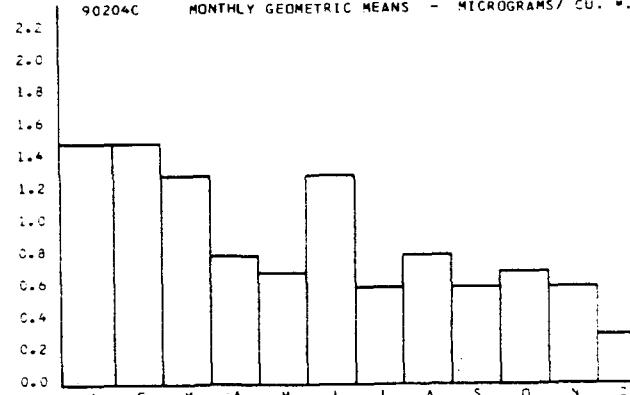
FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.20 0.33 0.44 0.53 0.59 0.77 0.88 1.09 1.52 1.96 3.50

ANNUAL GEOMETRIC MEAN 0.83 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.91 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 90 % DE DONNEES DISPONIBLES

90204C MONTHLY GEOMETRIC MEANS - MICROGRAMS/ CU. M.



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION RED DEER

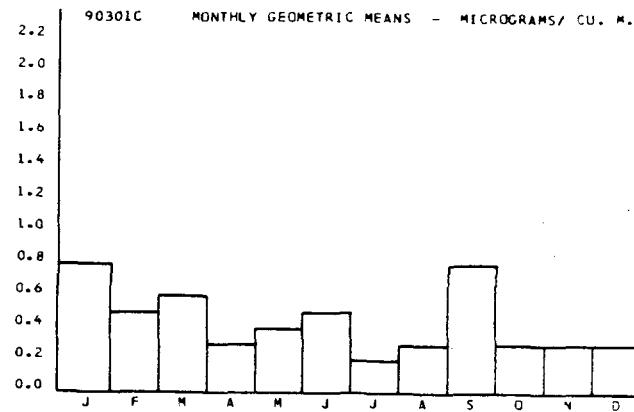
STATION 90301C 4720 49TH STREET

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 0.10 0.12 0.21 0.24 0.28 0.32 0.39 0.54 0.61 0.90 1.20

ANNUAL GEOMETRIC MEAN 0.39 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.89 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 78 % DE DONNEES DISPONIBLES



96

LOCATION MEDICINE HAT

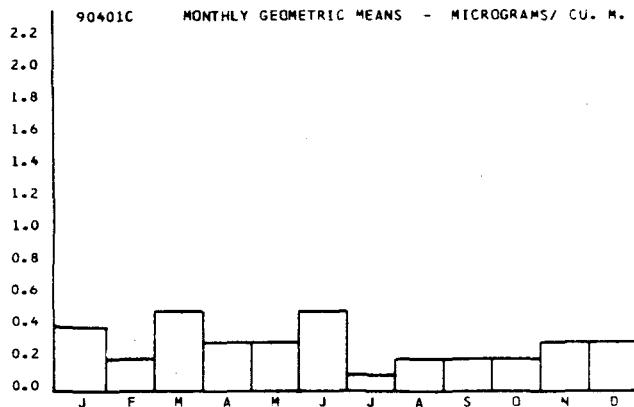
STATION 90401C 770 FIRST ST., S.E.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
 MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
 0.10 0.09 0.14 0.19 0.23 0.26 0.29 0.33 0.39 0.53 0.80

ANNUAL GEOMETRIC MEAN 0.29 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.71 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 85 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION LETHBRIDGE

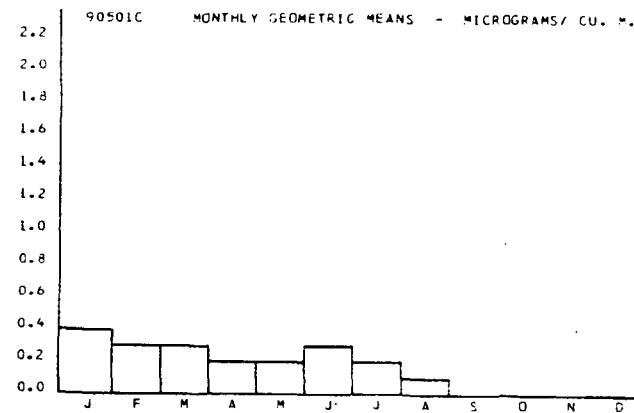
STATION 90501C 13 ST. AND 9 AVE. S.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.10 0.10 0.13 0.16 0.19 0.21 0.24 0.26 0.29 0.35 0.50

ANNUAL GEOMETRIC MEAN 0.25 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.51 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 32 % DE DONNEES DISPONIBLES



79

LOCATION VANCOUVER

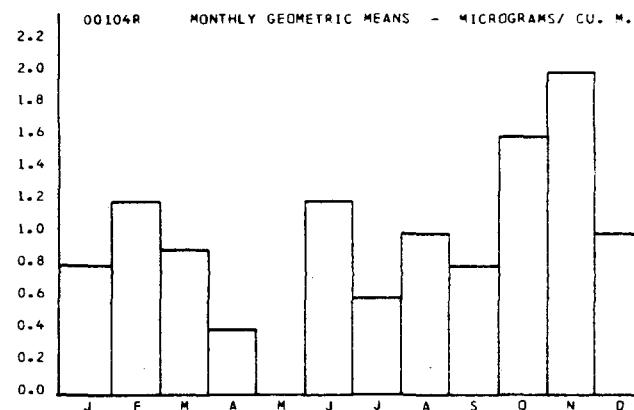
STATION 00104R 27TH AND ONTARIO

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.42 0.44 0.59 0.67 0.75 0.88 1.42 1.64 1.82 2.41 2.83

ANNUAL GEOMETRIC MEAN 1.05 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.81 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 55 % DE DONNEES DISPONIBLES



LEAD VALUES
MICROGRAMS PER CUBIC METRE
VALEURS DE PLOMB

LOCATION VANCOUVER

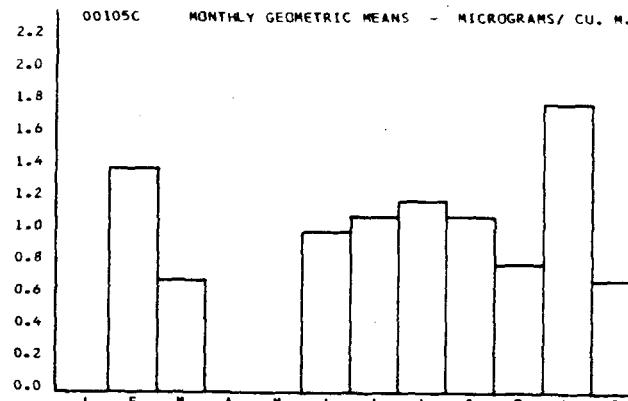
STATION 00105C 739 W. HASTINGS ST.

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.44 0.45 0.53 0.82 0.92 0.98 1.14 1.31 1.43 1.68 2.41

ANNUAL GEOMETRIC MEAN 1.00 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 1.60 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 70 % DE DONNEES DISPONIBLES



86

LOCATION VICTORIA

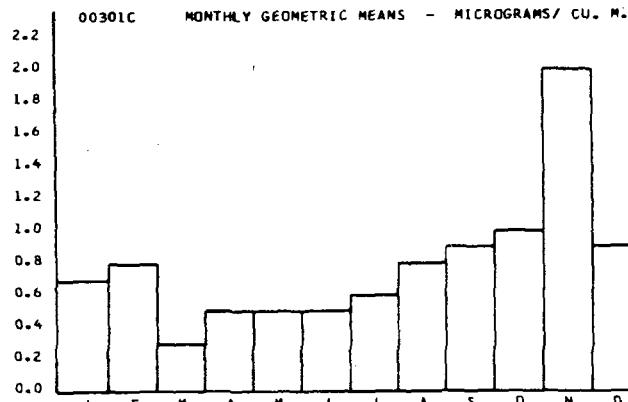
STATION 00301C POLICE SYN. (FISGUARD)

FREQUENCY DISTRIBUTION - DECILES - DISTRIBUTION DES FREQUENCES
MIN. 10% 20% 30% 40% 50% 60% 70% 80% 90% MAX.
0.01 0.33 0.39 0.46 0.54 0.70 0.80 0.95 1.08 1.52 3.07

ANNUAL GEOMETRIC MEAN 0.69 MOYENNE ANNUELLE GEOMETRIQUE

GEOMETRIC STANDARD DEVIATION 2.29 ECART-TYPE GEOMETRIQUE

% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES



Soiling Index

The soiling index is an indication of the soiling or darkening potential of the pollutants in the atmosphere. A measured volume of air is continuously drawn through a circular area on a paper filter tape producing a stain or spot as a result of the deposited particulate matter. Samples are taken automatically for specified time periods, normally two hours. Light transmissions measurements are carried out directly on the spot and the results recorded in terms of the "coefficient of haze" (COH). A COH unit has been defined as that quantity of particulate matter which produces an optical density of 0.01 with light at 400 mu wavelength. The soiling index is expressed as the number of COH units per 1000 linear feet of air drawn through the filter.

The tabulation of results gives percentiles of the distribution; maximum and minimum observed annual COH values; annual arithmetic mean; standard deviation and percentage of data available based on 2-hour COH values and daily means. Accompanying each table is a graphical display in histogram form of the monthly arithmetic mean of daily average values.

Indices de souillure

L'indice de souillure est une indication du pouvoir salissant des polluants de l'atmosphère. Un volume d'air déterminé est aspiré à travers un ruban de papier filtre pendant une période de 2 heures et la poussière en suspension dans l'air se dépose sur le filtre produisant une tache circulaire. A toutes les 2 heures, le ruban avance de quelques pouces et une nouvelle tache est formée.

On mesure ensuite la quantité de lumière absorbée par la poussière. Les résultats sont exprimés en unités COH (coefficients d'obscurité). Une unité COH a été définie comme étant la quantité de particules produisant une densité optique de 0.01 dans un faisceau de lumière d'une longueur d'onde de 400 mu. L'indice de souillure est le nombre d'unité COH par 1,000 pieds linéaires d'air aspiré à travers le filtre.

Les tableaux présentent les centiles de la courbe de distribution des résultats; les valeurs COH annuelles maximales et minimales; la moyenne arithmétique annuelle, le pourcentage de résultats disponibles et l'écart-type des mesures individuelles (échantillonnage de 2 heures) et des moyennes journalières. Un histogramme des moyennes arithmétiques mensuelles des moyennes journalières accompagne chaque table.

STATIONS MEASURING SOILING INDEX LEVELS

STATIONS MESURANT L'INDICE DE SOUILLURE

30304	R,F	SYDNEY, CITY HOSPITAL
30306	R,F	SYDNEY, LINGAN ROAD
30310	C,F	SYDNEY, COUNTY JAIL
30311	R,F	SYDNEY, WHITNEY PIER FIRE STN.
30403	R,F	GLACE BAY, PORT CALEDONIA
30405	C,F	GLACE BAY, GENERAL HOSPITAL
30407	R,F	GLACE BAY, NEW ABERDEEN SCHOOL
50101	R,P	MONTREAL, JARRY PARK
50102	R,P	MONTREAL, BOTANICAL GARDENS
50103	R,P	MONTREAL, POINTE AUX TREMBLES
50104	C,M	MONTREAL, 1125 ONTARIO
50105	C,M	MONTREAL, 1212 DRUMMOND
50106	R,P	MONTREAL, VILLE ST. LAURENT
50107	R,P	MONTREAL, VILLE LASALLE
50201	C,F	HULL, RUE PRINCIPALE
60101	C,F	OTTAWA, SLATER AND ELGIN
60102	R,F	OTTAWA, EXPERIMENTAL FARM
60103	C,F	OTTAWA, GILMOUR STREET
60204	C,P	WINDSOR, 471 UNIVERSITY AVE.
60401	C,P	TORONTO, 67 COLLEGE STREET
60402	R,P	TORONTO, DON MILLS, SCI. CENTRE
60403	I,P	TORONTO, EVANS/ARNOLD
60407	C,P	TORONTO, CITY HALL
60501	C,P	HAMILTON, BARTON AND WENTWORTH

60505	R,P	HAMILTON, NORTH PARK
60602	R,P	SUDBURY, ASH STREET
60901	C,P	LONDON, KING-RECTORY
61001	C,P	SARNIA, 156 VICTORIA ST.
70101	C,P	WINNIPEG, KENNEDY ST. & YORK AVE.
90113	C,P	EDMONTON, 100A AVE. AND 104 ST.
90115	I,P	EDMONTON, 147 ST. AND 116 AVE.
90118	R,P	EDMONTON, 73 AVE. AND 95 ST.
90204	C,P	CALGARY, 7 AVE. AND 2 ST., S.E.
90216	R,P	CALGARY, GLENMORE DAM
90218	I,P	CALGARY, BONNYBROOK ROAD, S.E.

SOILING INDEX LEVELS
COM UNITS
VALEURS DES INDICES DE SOUILLURE

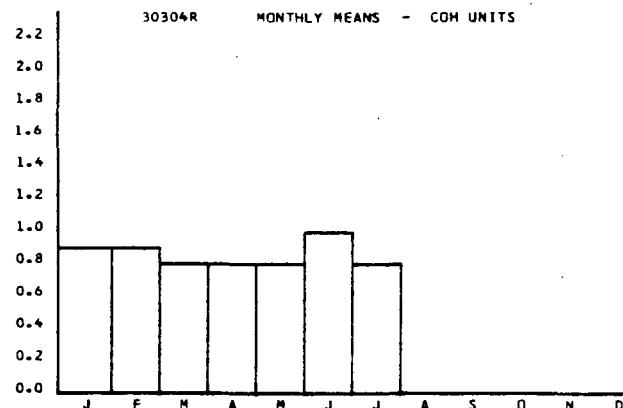
LOCATION SYDNEY
STATION 30304R CITY HOSPITAL

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.07 0.21 0.34 0.49 0.62 0.76 0.97 1.28 1.84 3.13 5.8

ANNUAL MEAN 0.85 MOYENNE ANNUELLE
STANDARD DEVIATION 0.73 ECART-TYPE
% OF DATA AVAILABLE 58 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.03 0.31 0.48 0.59 0.68 0.76 0.84 0.96 1.10 1.31 2.19 2.41

ANNUAL MEAN 0.85 MOYENNE ANNUELLE
STANDARD DEVIATION 0.43 ECART-TYPE
% OF DATA AVAILABLE 58 % DE DONNEES DISPONIBLES



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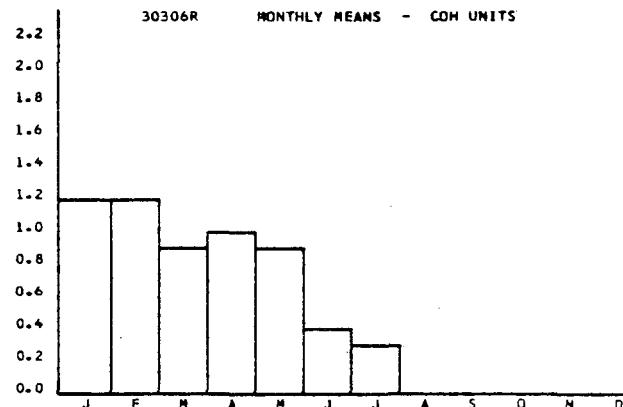
LOCATION SYDNEY
STATION 30306R LINGAN ROAD

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.09 0.23 0.38 0.54 0.70 0.87 1.04 1.25 1.57 2.76 4.2

ANNUAL MEAN 0.84 MOYENNE ANNUELLE
STANDARD DEVIATION 0.61 ECART-TYPE
% OF DATA AVAILABLE 52 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.08 0.22 0.33 0.50 0.66 0.81 0.89 1.01 1.13 1.34 2.11 2.36

ANNUAL MEAN 0.83 MOYENNE ANNUELLE
STANDARD DEVIATION 0.44 ECART-TYPE
% OF DATA AVAILABLE 52 % DE DONNEES DISPONIBLES



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

LOCATION SYDNEY
STATION 30310C COUNTY JAIL

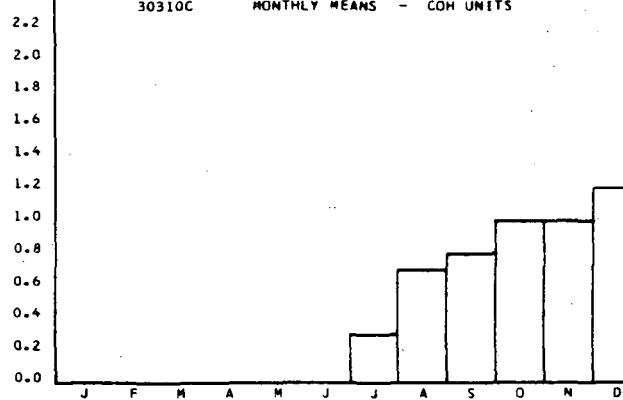
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.16 0.29 0.41 0.58 0.77 0.99 1.36 2.02 3.76 6.3

ANNUAL MEAN 0.88 MOYENNE ANNUELLE
STANDARD DEVIATION 0.87 ECART-TYPE
% OF DATA AVAILABLE 45 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.12 0.25 0.38 0.51 0.63 0.80 0.97 1.14 1.29 1.51 1.92 2.05

ANNUAL MEAN 0.88 MOYENNE ANNUELLE
STANDARD DEVIATION 0.48 ECART-TYPE
% OF DATA AVAILABLE 45 % DE DONNEES DISPONIBLES

30310C MONTHLY MEANS - COH UNITS



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LOCATION SYDNEY
STATION 30311R WHITNEY PIER FIRE STN.

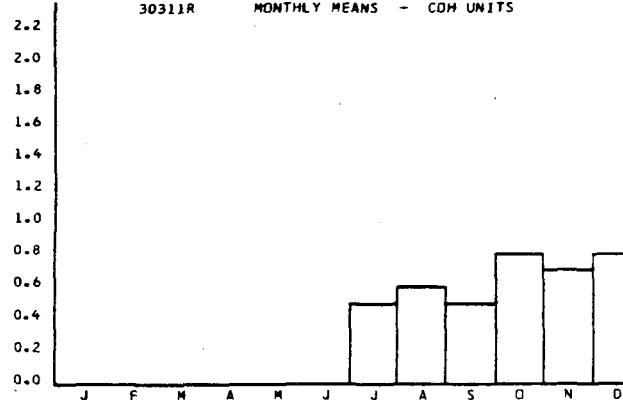
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.08 0.17 0.28 0.38 0.53 0.74 0.99 1.54 3.28 5.4

ANNUAL MEAN 0.66 MOYENNE ANNUELLE
STANDARD DEVIATION 0.71 ECART-TYPE
% OF DATA AVAILABLE 47 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.07 0.16 0.26 0.36 0.44 0.52 0.62 0.77 0.95 1.20 1.93 2.07

ANNUAL MEAN 0.66 MOYENNE ANNUELLE
STANDARD DEVIATION 0.42 ECART-TYPE
% OF DATA AVAILABLE 47 % DE DONNEES DISPONIBLES

30311R MONTHLY MEANS - COH UNITS



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

LOCATION GLACE BAY
STATION 30403R PORT CALEDONIA

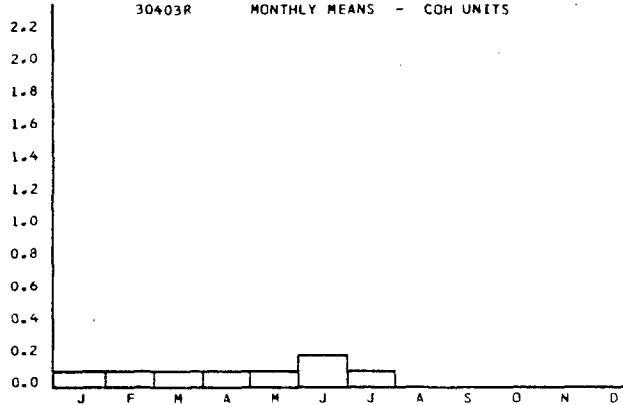
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.00 0.00 0.03 0.06 0.09 0.13 0.18 0.26 0.59 1.2

ANNUAL MEAN 0.13 MOYENNE ANNUELLE
STANDARD DEVIATION 0.14 ECART-TYPE
% OF DATA AVAILABLE 57 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.03 0.01 0.03 0.04 0.06 0.07 0.09 0.11 0.15 0.18 0.28 0.36

ANNUAL MEAN 0.13 MOYENNE ANNUELLE
STANDARD DEVIATION 0.05 ECART-TYPE
% OF DATA AVAILABLE 57 % DE DONNEES DISPONIBLES

30403R MONTHLY MEANS - COH UNITS



105

LOCATION GLACE BAY
STATION 30405C GENERAL HOSPITAL

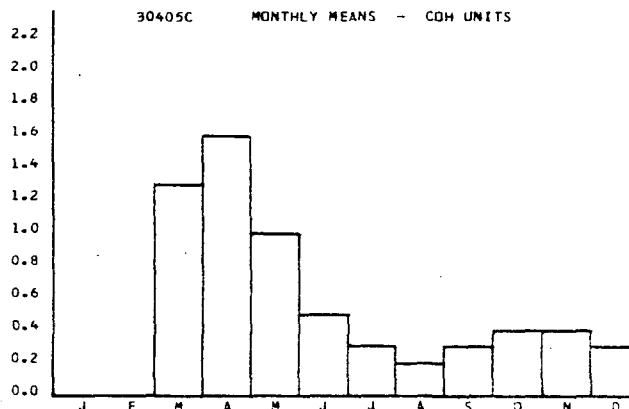
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.07 0.14 0.19 0.30 0.38 0.56 0.85 1.41 3.38 7.4

ANNUAL MEAN 0.58 MOYENNE ANNUELLE
STANDARD DEVIATION 0.72 ECART-TYPE
% OF DATA AVAILABLE 72 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.06 0.12 0.17 0.22 0.26 0.31 0.38 0.55 0.90 1.36 2.23 2.81

ANNUAL MEAN 0.58 MOYENNE ANNUELLE
STANDARD DEVIATION 0.52 ECART-TYPE
% OF DATA AVAILABLE 72 % DE DONNEES DISPONIBLES

30405C MONTHLY MEANS - COH UNITS



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

LOCATION GLACE BAY
STATION 30407R NEW ABERDEEN SCHOOL

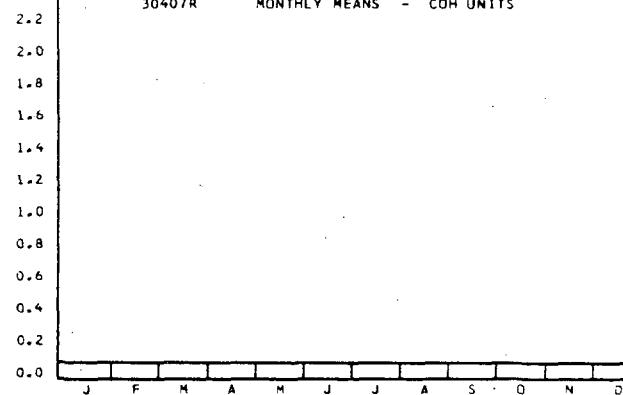
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.00 0.00 0.01 0.04 0.08 0.13 0.19 0.39 2.0

ANNUAL MEAN 0.09 MOYENNE ANNUELLE
STANDARD DEVIATION 0.12 ECART-TYPE
% OF DATA AVAILABLE 91 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.00 0.02 0.03 0.05 0.06 0.07 0.09 0.12 0.19 0.29

ANNUAL MEAN 0.09 MOYENNE ANNUELLE
STANDARD DEVIATION 0.05 ECART-TYPE
% OF DATA AVAILABLE 93 % DE DONNEES DISPONIBLES

30407R MONTHLY MEANS - COH UNITS



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LOCATION MONTREAL
STATION 50101R JARRY PARK

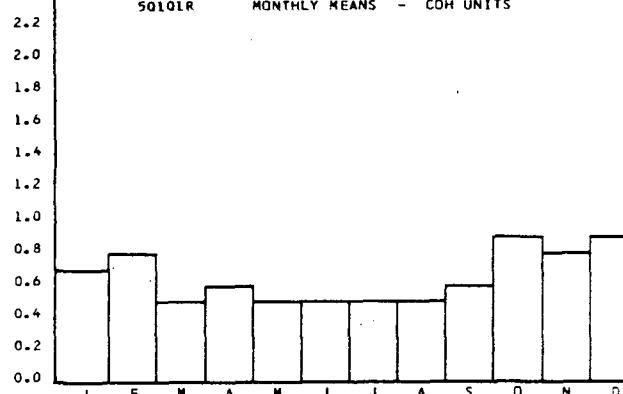
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.1 0.23 0.29 0.35 0.42 0.48 0.57 0.67 0.78 1.03 1.87 3.3

ANNUAL MEAN 0.63 MOYENNE ANNUELLE
STANDARD DEVIATION 0.38 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.23 0.32 0.37 0.42 0.48 0.52 0.57 0.64 0.75 0.94 1.52 1.90

ANNUAL MEAN 0.63 MOYENNE ANNUELLE
STANDARD DEVIATION 0.27 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

50101R MONTHLY MEANS - COH UNITS



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

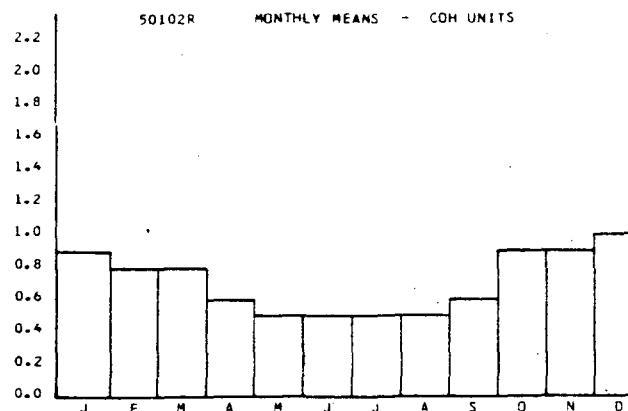
LOCATION MONTREAL
STATION 50102R BOTANICAL GARDENS

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.1 0.25 0.33 0.41 0.47 0.56 0.66 0.77 0.94 1.39 2.17 3.7

ANNUAL MEAN 0.73 MOYENNE ANNUELLE
STANDARD DEVIATION 0.45 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.28 0.35 0.42 0.49 0.55 0.61 0.68 0.79 0.93 1.09 1.72 2.08

ANNUAL MEAN 0.73 MOYENNE ANNUELLE
STANDARD DEVIATION 0.32 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES



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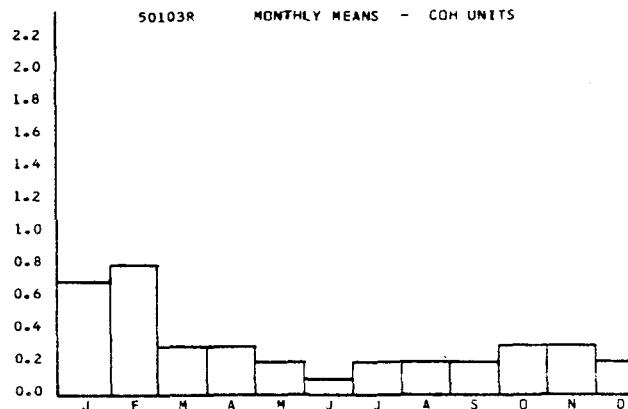
LOCATION MONTREAL
STATION 50103R POINTE AUX TREMBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES

NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.01 0.06 0.10 0.15 0.20 0.26 0.34 0.47 0.64 1.15 1.50

ANNUAL MEAN 0.32 MOYENNE ANNUELLE
STANDARD DEVIATION 0.26 ECART-TYPE
% OF DATA AVAILABLE 95 % DE DONNEES DISPONIBLES



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

LOCATION MONTREAL
STATION 50104C 1125 ONTARIO

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES

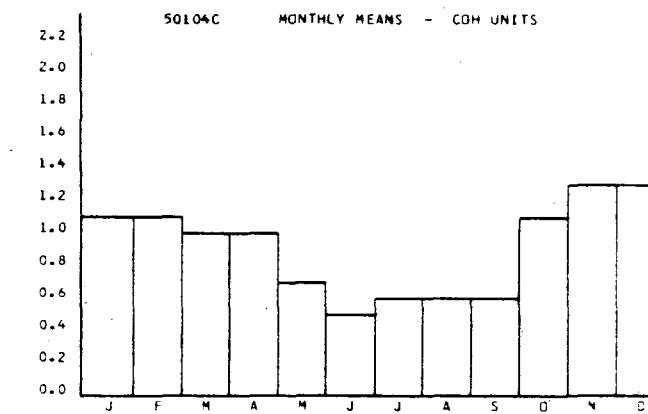
NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.20 0.37 0.50 0.61 0.72 0.82 0.91 1.02 1.16 1.39 2.01 2.10

ANNUAL MEAN 0.90 MOYENNE ANNUELLE

STANDARD DEVIATION 0.39 ECART-TYPE

% OF DATA AVAILABLE 99 % DE DONNEES DISPONIBLES



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LOCATION MONTREAL
STATION 50105C 1212 DRUMMOND

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES

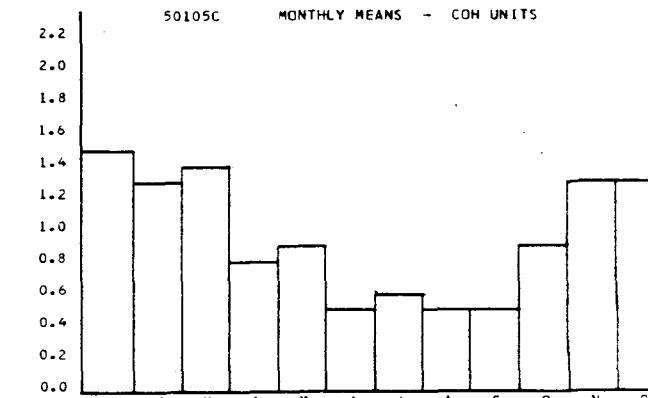
NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.30 0.39 0.47 0.55 0.64 0.74 0.84 0.98 1.18 1.56 4.04 5.20

ANNUAL MEAN 0.97 MOYENNE ANNUELLE

STANDARD DEVIATION 0.70 ECART-TYPE

% OF DATA AVAILABLE 99 % DE DONNEES DISPONIBLES



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

LOCATION MONTREAL
STATION 50106R VILLE ST. LAURENT

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES

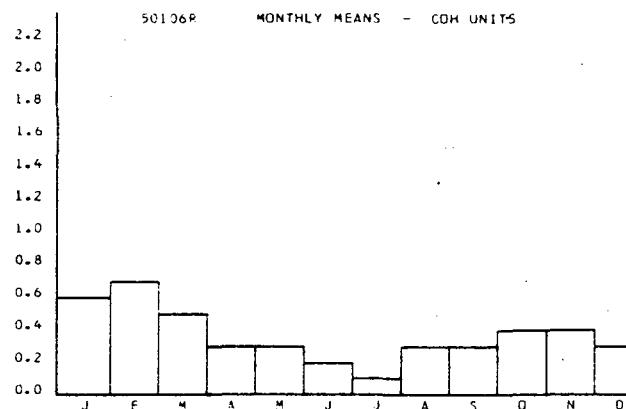
NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.07 0.14 0.19 0.24 0.29 0.34 0.39 0.45 0.55 1.09 2.10

ANNUAL MEAN 0.37 MOYENNE ANNUELLE

STANDARD DEVIATION 0.23 ECART-TYPE

% OF DATA AVAILABLE 89 % DE DONNEES DISPONIBLES



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LOCATION MONTREAL
STATION 50107R VILLE LASALLE

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES

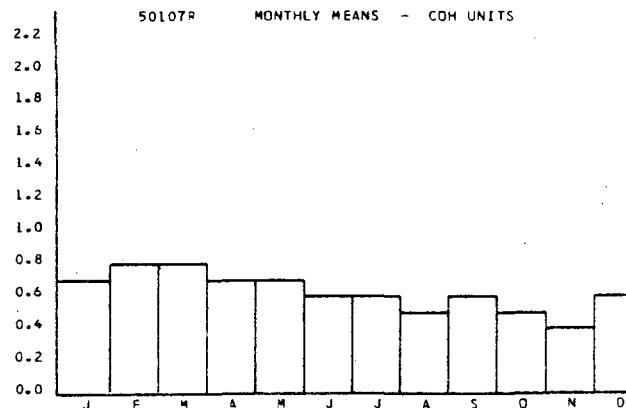
NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.31 0.39 0.44 0.49 0.55 0.61 0.70 0.78 0.90 1.29 1.70

ANNUAL MEAN 0.63 MOYENNE ANNUELLE

STANDARD DEVIATION 0.25 ECART-TYPE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

LOCATION HULL
STATION 50201C RUE PRINCIPALE

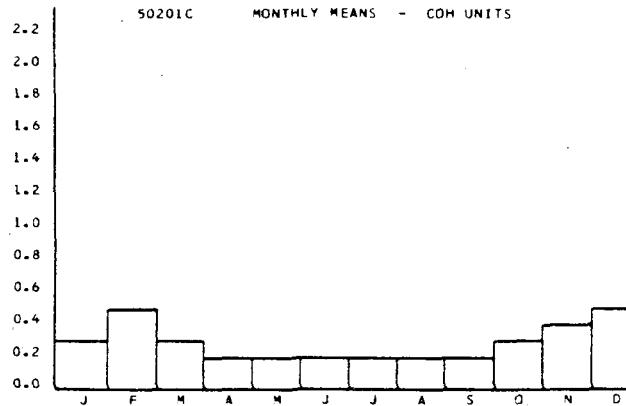
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.00 0.08 0.13 0.17 0.23 0.30 0.40 0.60 1.20 2.8

ANNUAL MEAN 0.29 MOYENNE ANNUELLE
STANDARD DEVIATION 0.28 ECART-TYPE
% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.02 0.04 0.09 0.12 0.16 0.19 0.24 0.30 0.38 0.51 0.91 1.04

ANNUAL MEAN 0.29 MOYENNE ANNUELLE
STANDARD DEVIATION 0.19 ECART-TYPE
% OF DATA AVAILABLE 99 % DE DONNEES DISPONIBLES

50201C MONTHLY MEANS - COH UNITS



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LOCATION OTTAWA
STATION 60101C SLATER AND ELGIN

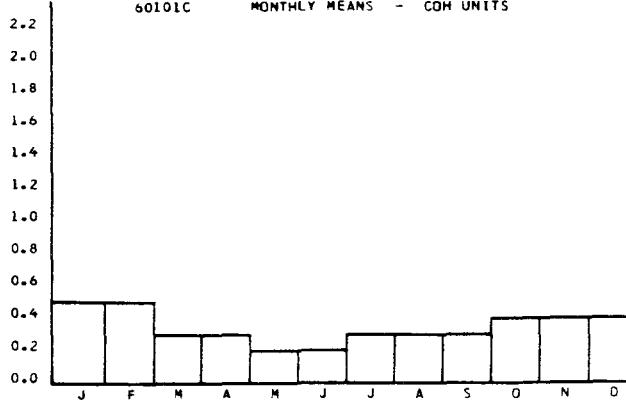
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.07 0.13 0.18 0.23 0.28 0.35 0.47 0.65 1.33 3.5

ANNUAL MEAN 0.33 MOYENNE ANNUELLE
STANDARD DEVIATION 0.29 ECART-TYPE
% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.03 0.11 0.14 0.18 0.21 0.26 0.30 0.35 0.41 0.52 0.93 1.07

ANNUAL MEAN 0.34 MOYENNE ANNUELLE
STANDARD DEVIATION 0.18 ECART-TYPE
% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES

60101C MONTHLY MEANS - COH UNITS



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

LOCATION OTTAWA
STATION 60102R EXPERIMENTAL FARM

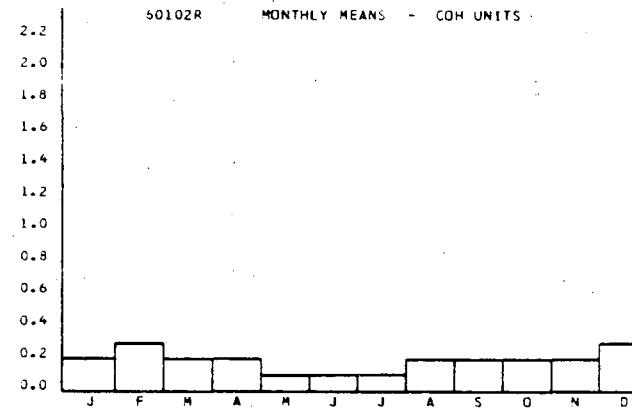
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.00 0.00 0.04 0.10 0.15 0.19 0.26 0.38 0.91 1.8

ANNUAL MEAN 0.18 MOYENNE ANNUELLE
STANDARD DEVIATION 0.20 ECART-TYPE
% OF DATA AVAILABLE 96 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.01 0.01 0.04 0.06 0.09 0.11 0.14 0.17 0.21 0.29 0.59 0.74

ANNUAL MEAN 0.18 MOYENNE ANNUELLE
STANDARD DEVIATION 0.12 ECART-TYPE
% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES

60102R MONTHLY MEANS - COH UNITS



LOCATION OTTAWA
STATION 60103C GILMOUR STREET

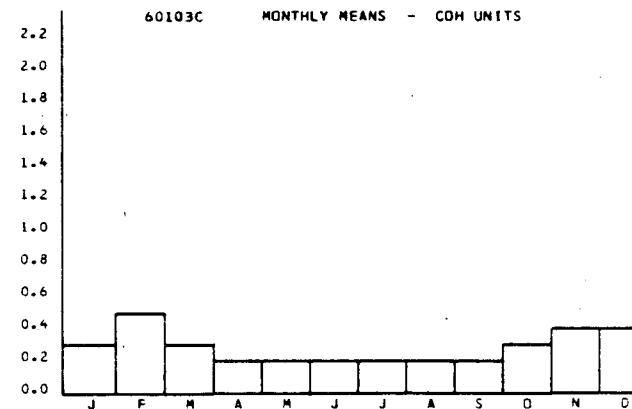
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.02 0.10 0.14 0.19 0.24 0.30 0.38 0.54 1.19 2.9

ANNUAL MEAN 0.28 MOYENNE ANNUELLE
STANDARD DEVIATION 0.27 ECART-TYPE
% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.04 0.06 0.11 0.14 0.17 0.20 0.24 0.28 0.35 0.46 0.78 1.63

ANNUAL MEAN 0.28 MOYENNE ANNUELLE
STANDARD DEVIATION 0.17 ECART-TYPE
% OF DATA AVAILABLE 99 % DE DONNEES DISPONIBLES

60103C MONTHLY MEANS - COH UNITS



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

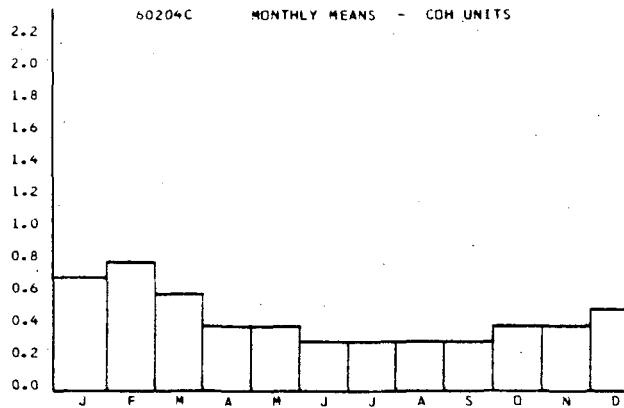
LOCATION WINDSOR
STATION 60204C 471 UNIVERSITY AVE

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.08 0.16 0.23 0.28 0.35 0.41 0.50 0.62 0.84 1.64 4.3

ANNUAL MEAN 0.45 MOYENNE ANNUELLE
STANDARD DEVIATION 0.35 ECART-TYPE
% OF DATA AVAILABLE 99 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.13 0.21 0.25 0.30 0.35 0.40 0.47 0.57 0.70 1.32 1.78

ANNUAL MEAN 0.45 MOYENNE ANNUELLE
STANDARD DEVIATION 0.26 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES



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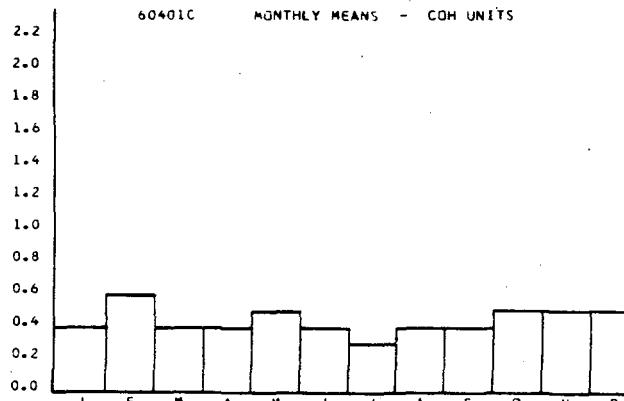
LOCATION TORONTO
STATION 60401C 67 COLLEGE STREET

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.12 0.18 0.23 0.29 0.34 0.40 0.48 0.58 0.75 1.33 2.5

ANNUAL MEAN 0.42 MOYENNE ANNUELLE
STANDARD DEVIATION 0.27 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.04 0.15 0.22 0.26 0.31 0.35 0.39 0.46 0.53 0.65 1.02 1.24

ANNUAL MEAN 0.42 MOYENNE ANNUELLE
STANDARD DEVIATION 0.19 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNEES DISPONIBLES



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

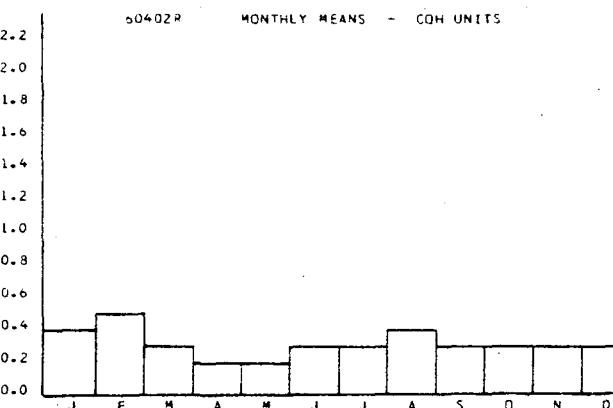
LOCATION TORONTO
STATION 60402B DON MILLS, SCI. CENTRE

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.05 0.12 0.16 0.21 0.27 0.35 0.46 0.62 1.19 2.7

ANNUAL MEAN 0.31 MOYENNE ANNUELLE
STANDARD DEVIATION 0.27 Ecart-type
% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.05 0.11 0.15 0.18 0.22 0.27 0.34 0.42 0.51 0.82 1.38

ANNUAL MEAN 0.31 MOYENNE ANNUELLE
STANDARD DEVIATION 0.19 Ecart-type
% OF DATA AVAILABLE 96 % DE DONNEES DISPONIBLES



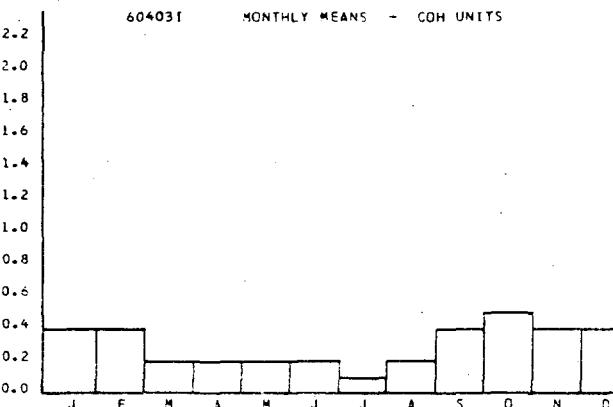
LOCATION TORONTO
STATION 60403I EVANS/ARNOLD

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.01 0.06 0.11 0.16 0.21 0.27 0.34 0.44 0.62 1.36 2.5

ANNUAL MEAN 0.31 MOYENNE ANNUELLE
STANDARD DEVIATION 0.28 Ecart-type
% OF DATA AVAILABLE 68 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.02 0.03 0.08 0.12 0.16 0.21 0.27 0.33 0.40 0.54 0.94 1.18

ANNUAL MEAN 0.30 MOYENNE ANNUELLE
STANDARD DEVIATION 0.20 Ecart-type
% OF DATA AVAILABLE 92 % DE DONNEES DISPONIBLES



SOILING INDEX LEVELS
CDH UNITS
VALEURS DES INDICES DE SOUILLURE

LOCATION TORONTO
STATION 60407C CITY HALL

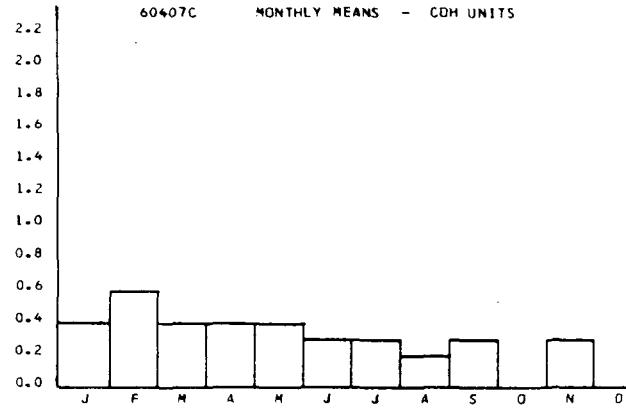
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.06 0.13 0.17 0.22 0.28 0.33 0.47 0.66 1.25 3.8

ANNUAL MEAN 0.34 MOYENNE ANNUELLE
STANDARD DEVIATION 0.30 ECART-TYPE
% OF DATA AVAILABLE 72 % DE DONNÉES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.09 0.12 0.16 0.20 0.23 0.27 0.30 0.34 0.38 0.50 0.78 1.27

ANNUAL MEAN 0.34 MOYENNE ANNUELLE
STANDARD DEVIATION 0.16 ECART-TYPE
% OF DATA AVAILABLE 74 % DE DONNÉES DISPONIBLES

60407C MONTHLY MEANS - CDH UNITS



114

LOCATION HAMILTON
STATION 60501C BARTON AND WENTWORTH

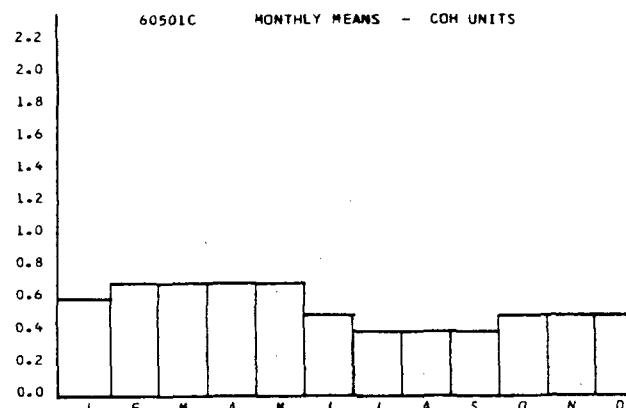
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.13 0.22 0.29 0.36 0.43 0.52 0.62 0.77 1.05 1.78 3.9

ANNUAL MEAN 0.55 MOYENNE ANNUELLE
STANDARD DEVIATION 0.39 ECART-TYPE
% OF DATA AVAILABLE 99 % DE DONNÉES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.07 0.21 0.27 0.33 0.38 0.44 0.51 0.61 0.71 0.90 1.47 1.61

ANNUAL MEAN 0.55 MOYENNE ANNUELLE
STANDARD DEVIATION 0.28 ECART-TYPE
% OF DATA AVAILABLE 100 % DE DONNÉES DISPONIBLES

60501C MONTHLY MEANS - CDH UNITS



SOTLINS INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

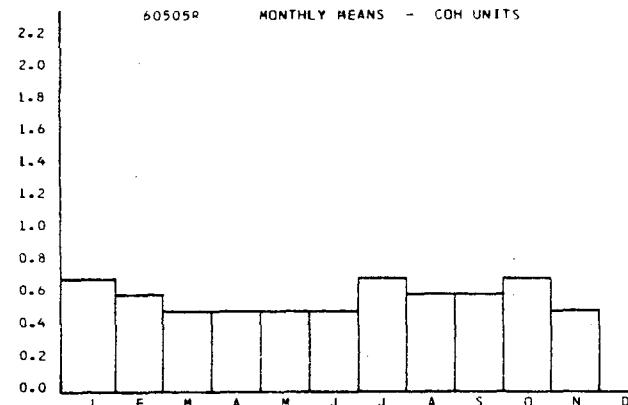
LOCATION HAMILTON
STATION 60505R NORTH PARK

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.14 0.21 0.29 0.42 0.54 0.68 0.85 1.11 1.88 3.6

ANNUAL MEAN 0.56 MOYENNE ANNUELLE
STANDARD DEVIATION 0.45 Ecart-type
% OF DATA AVAILABLE 69 % DE DONNÉES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.09 0.15 0.23 0.30 0.39 0.49 0.58 0.67 0.76 0.90 1.37 1.57

ANNUAL MEAN 0.56 MOYENNE ANNUELLE
STANDARD DEVIATION 0.29 Ecart-type
% OF DATA AVAILABLE 71 % DE DONNÉES DISPONIBLES



515

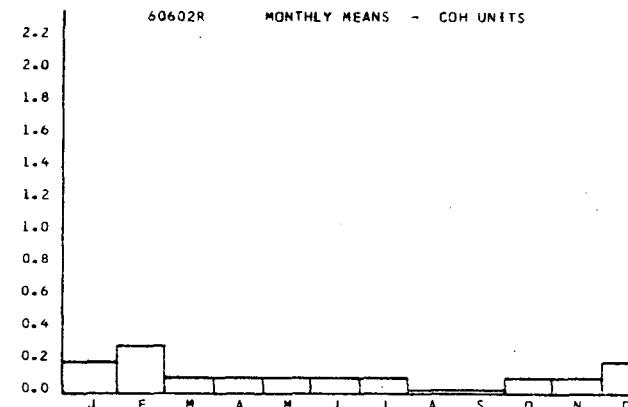
LOCATION SUDBURY
STATION 60602R ASH STREET

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.00 0.00 0.02 0.05 0.07 0.09 0.14 0.23 0.55 1.9

ANNUAL MEAN 0.11 MOYENNE ANNUELLE
STANDARD DEVIATION 0.14 Ecart-type
% OF DATA AVAILABLE 98 % DE DONNÉES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.00 0.00 0.02 0.04 0.06 0.08 0.11 0.18 0.47 0.89

ANNUAL MEAN 0.10 MOYENNE ANNUELLE
STANDARD DEVIATION 0.10 Ecart-type
% OF DATA AVAILABLE 99 % DE DONNÉES DISPONIBLES



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

LOCATION LONDON
STATION 60901C KING-RECTORY

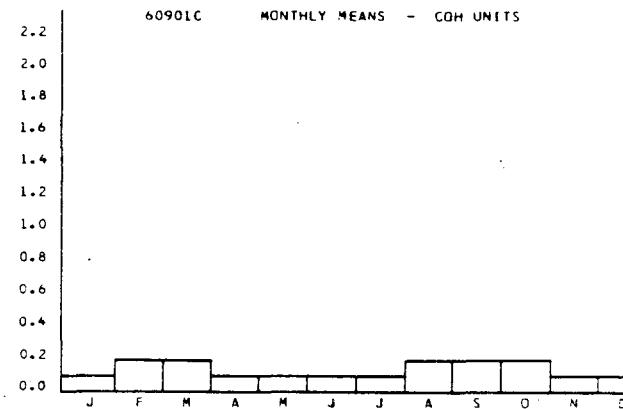
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.02 0.04 0.06 0.09 0.11 0.15 0.19 0.26 0.57 1.3

ANNUAL MEAN 0.14 MOYENNE ANNUELLE
STANDARD DEVIATION 0.12 ECART-TYPE
% OF DATA AVAILABLE 86 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.00 0.02 0.04 0.06 0.08 0.10 0.13 0.17 0.21 0.39 0.80

ANNUAL MEAN 0.14 MOYENNE ANNUELLE
STANDARD DEVIATION 0.09 ECART-TYPE
% OF DATA AVAILABLE 88 % DE DONNEES DISPONIBLES

60901C MONTHLY MEANS - COH UNITS



116

LOCATION SAPNIA
STATION 61001C 156 VICTORIA STREET

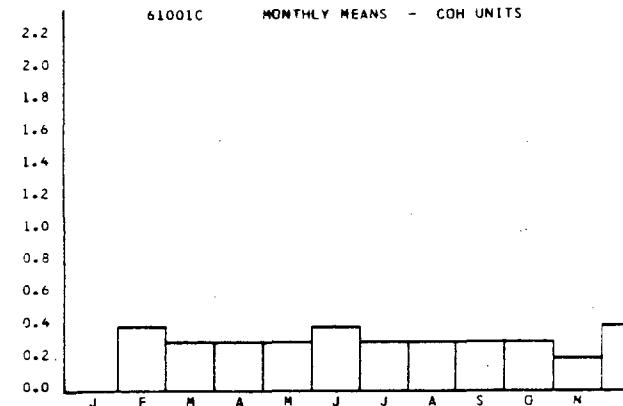
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
ONE-HOURLY INTERVAL INTERVALLE D'UNE HEURE
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.06 0.12 0.17 0.22 0.27 0.32 0.40 0.49 0.64 1.15 1.9

ANNUAL MEAN 0.34 MOYENNE ANNUELLE
STANDARD DEVIATION 0.24 ECART-TYPE
% OF DATA AVAILABLE 71 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.09 0.15 0.20 0.24 0.28 0.32 0.37 0.43 0.53 0.76 0.96

ANNUAL MEAN 0.34 MOYENNE ANNUELLE
STANDARD DEVIATION 0.17 ECART-TYPE
% OF DATA AVAILABLE 74 % DE DONNEES DISPONIBLES

61001C MONTHLY MEANS - COH UNITS



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

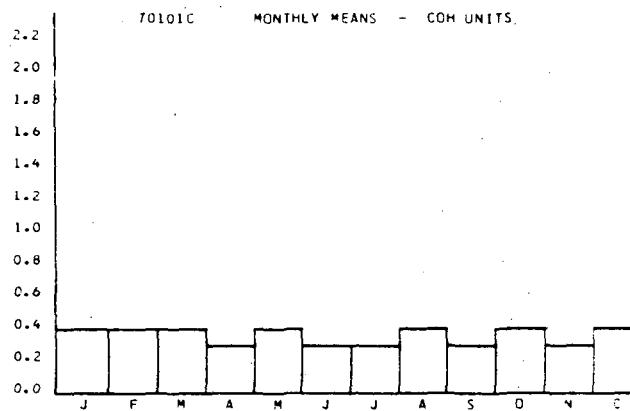
LOCATION WINNIPEG
STATION 70101C KENNEDY ST. & YORK AVE.

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.0 0.00 0.09 0.17 0.22 0.26 0.30 0.37 0.47 0.63 1.33 5.0

ANNUAL MEAN 0.35 MOYENNE ANNUELLE
STANDARD DEVIATION 0.28 ECART-TYPE
% OF DATA AVAILABLE 94 % DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.05 0.12 0.18 0.22 0.26 0.29 0.33 0.37 0.43 0.49 0.81 0.94

ANNUAL MEAN 0.36 MOYENNE ANNUELLE
STANDARD DEVIATION 0.15 ECART-TYPE
% OF DATA AVAILABLE 95 % DE DONNEES DISPONIBLES



117

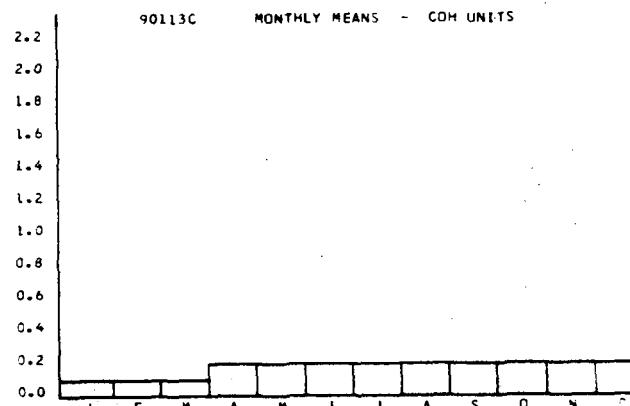
LOCATION EDMONTON
STATION 90113C 100A AVE. AND 104 ST.

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES

NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.01 0.03 0.05 0.08 0.10 0.13 0.15 0.18 0.23 0.36 0.48

ANNUAL MEAN 0.16 MOYENNE ANNUELLE
STANDARD DEVIATION 0.08 ECART-TYPE
% OF DATA AVAILABLE 88 % DE DONNEES DISPONIBLES



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

LOCATION EDMONTON
STATION 901151 147 ST. AND 116 AVE.

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES

NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

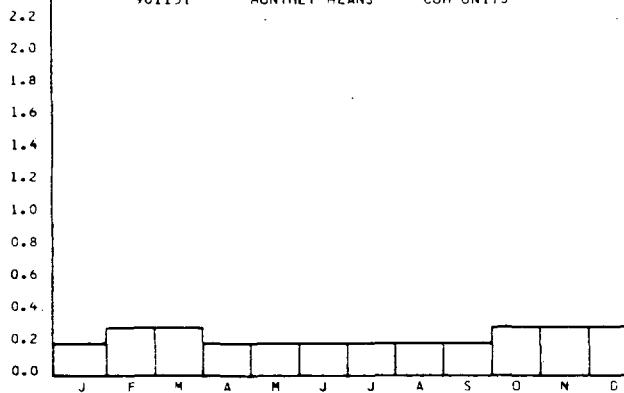
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.03 0.07 0.10 0.13 0.16 0.19 0.23 0.29 0.36 0.59 2.15

ANNUAL MEAN 0.24 MOYENNE ANNUELLE

STANDARD DEVIATION 0.16 ECART-TYPE

% OF DATA AVAILABLE 97 % DE DONNEES DISPONIBLES

901151 MONTHLY MEANS - COH UNITS



118

LOCATION EDMONTON
STATION 90118R 73 AVE. & 95 ST.

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES

NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

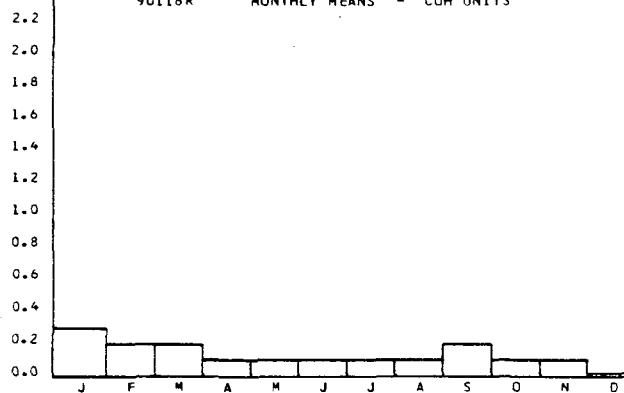
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.00 0.01 0.03 0.05 0.07 0.09 0.13 0.17 0.24 0.51 0.93

ANNUAL MEAN 0.14 MOYENNE ANNUELLE

STANDARD DEVIATION 0.11 ECART-TYPE

% OF DATA AVAILABLE 98 % DE DONNEES DISPONIBLES

90118R MONTHLY MEANS - COH UNITS



SOILING INDEX LEVELS
COM UNITS
VALEURS DES INDICES DE SOUILLURE

LOCATION CALGARY
STATION 90204C 7 AVE. AND 2 ST., S.E.

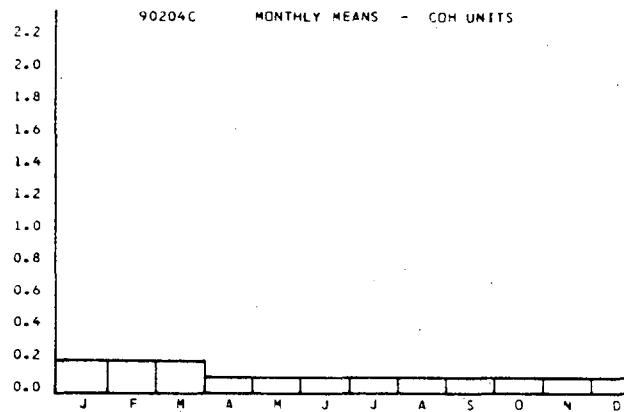
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES

NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.01 0.00 0.02 0.04 0.05 0.07 0.09 0.11 0.15 0.20 0.54 0.76

ANNUAL MEAN 0.14 MOYENNE ANNUELLE
STANDARD DEVIATION 0.10 Ecart-type
% OF DATA AVAILABLE 99 % DE DONNEES DISPONIBLES

90204C MONTHLY MEANS - COM UNITS



116

LOCATION CALGARY
STATION 90216R GLENMORE DAM

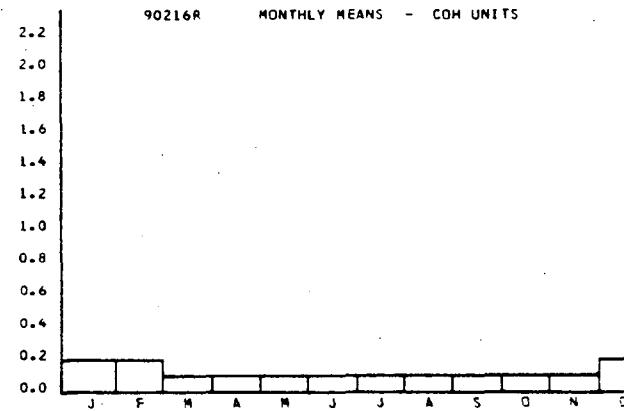
FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES

NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.00 0.00 0.01 0.03 0.05 0.06 0.08 0.10 0.14 0.19 0.41 0.87

ANNUAL MEAN 0.13 MOYENNE ANNUELLE
STANDARD DEVIATION 0.09 Ecart-type
% OF DATA AVAILABLE 99 % DE DONNEES DISPONIBLES

90216R MONTHLY MEANS - COM UNITS



SOILING INDEX LEVELS
COH UNITS
VALEURS DES INDICES DE SOUILLURE

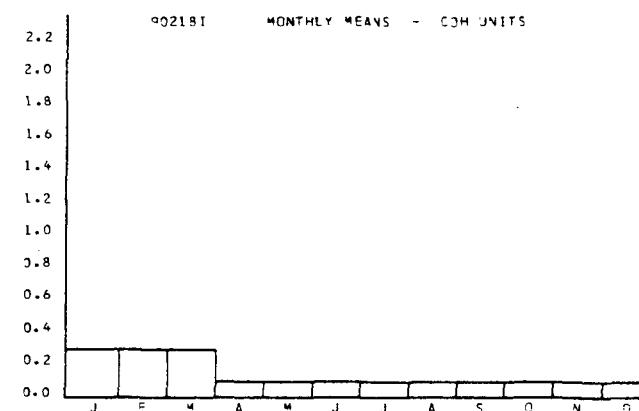
LOCATION CALGARY
STATION 902181 BONNYBROOK ROAD, S.E.

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
TWO-HOURLY INTERVAL INTERVALLE DE DEUX HEURES

NO DATA AVAILABLE PAS DE DONNEES DISPONIBLES

FREQUENCY DISTRIBUTION - PERCENTILES - DISTRIBUTION DES FREQUENCES
DAILY MEANS MOYENNES QUOTIDIENNES
MIN. 10 20 30 40 50 60 70 80 90 99 MAX.
0.01 0.00 0.03 0.05 0.07 0.08 0.11 0.16 0.24 0.68 1.27

ANNUAL MEAN 0.14 MOYENNE ANNUELLE
STANDARD DEVIATION 0.14 ECART-TYPE
% OF DATA AVAILABLE 96 % DE DONNEES DISPONIBLES



Dustfall

Dustfall comprises the larger size particulates which settle out under the influence of gravity. It is measured by exposing open top vessels of specified dimensions for a period of 30 days. The total dustfall is weighed. Dustfall results are expressed in units of tons per square mile per month.

The tabulation of results gives the dustfall values to a maximum of 6 stations per city. The complete set of dustfall values obtained during 1973 for each station are presented in a column, with the mean and standard deviation appearing at the foot. Finally, the data for each station are grouped together to yield an overall mean annual dustfall value for that city. All figures quoted are expressed as tons per square mile per month.

Retombées de poussières

Cette catégorie comprend les particules trop grosses pour demeurer en suspension dans l'atmosphère. On les capte en exposant, durant une période de 30 jours, des récipients de dimensions déterminées et ouverts au sommet, et, en détermine la quantité totale par pesée. Les résultats sont exprimés en tonnes par mille carré par mois.

Chaque colonne des tables contient la série complète des retombées de poussières pour chaque poste (un maximum de six postes par ville) pendant l'année 1972. Au bas de chaque colonne on observe la moyenne et l'écart-type des concentrations obtenues à chaque poste. Enfin, on trouve la moyenne annuelle générale pour tous les postes d'une même ville.

STATIONS MEASURING DUSTFALL

STATIONS MESURANT LES RETOMBEES DE POUSSIERES

30101	C*	HALIFAX, N.S. TECHNICAL COLLEGE
30102	R*	HALIFAX, DALHOUSIE UNIVERSITY
30105	R*	HALIFAX, ST. MARY'S
30106	R*	HALIFAX, FAIRVIEW SCHOOL
30108	C*	HALIFAX, FEDERAL BUILDING
30109	R*	HALIFAX, TELEPHONE BUILDING
30301	R**	SYDNEY, MURPHY ROAD
30302	I**	SYDNEY, SYDNEY STEEL CORPORATION
30305	R**	SYDNEY, VICTORIA ROAD (WHITNEY SCH.)
30309	I**	SYDNEY, PT. EDWARD, RICHMOND PLASTICS
30311	R**	SYDNEY, WHITNEY PIER FIRE STN.
30401	R**	GLACE BAY, LAKE ROAD
30403	R*	GLACE BAY, PORT CALEDONIA
30405	C**	GLACE BAY, GENERAL HOSPITAL
30406	I**	GLACE BAY, PUMPING STATION ROAD
50101	R*	MONTREAL, JARRY PARK
50102	R*	MONTREAL, BOTANICAL GARDENS
50103	R*	MONTREAL, POINTE AUX TREMBLES
50106	R*	MONTREAL, VILLE ST. LAURENT
50107	R*	MONTREAL, VILLE LASALLE
50201	C	HULL, RUE PRINCIPALE
60101	C	OTTAWA, SLATER AND ELGIN
60102	R	OTTAWA, EXPERIMENTAL FARM
60103	C	OTTAWA, GILMOUR STREET

60201	I	WINDSOR, MORTON TERMINAL DOCK
60202	C	WINDSOR, CITY HALL
60203	R	WINDSOR-TECUMSEH WATER WORKS
60206	C	WINDSOR, 3120 DOUGALL AVE.
60209	R	WINDSOR, E. C. ROWE AND JEFFERSON
60210	R	WINDSOR, LESPERANCE NEAR PRINCE ST.
60401	C*	TORONTO, 67 COLLEGE STREET
60403	I*	TORONTO, ETOBICOKE, EVANS-ARNOLD
60404	R*	TORONTO, 5126 YONGE STREET
60405	I*	TORONTO, JOHN ST. PUMP STATION
60406	R*	TORONTO, ROSEHILL RESERVOIR
60408	C*	TORONTO, DANFORTH-ROBINSON
60501	C*	HAMILTON, BARTON AND WENTWORTH
60502	I*	HAMILTON, BURLINGTON-GAGE
60503	R*	HAMILTON, CHATHAM-FRID
60504	R*	HAMILTON, FENNEL-W. 5TH.
60507	C*	HAMILTON, HUGHSON-HUNTER
60508	R*	HAMILTON, MCMASTER UNIVERSITY
60701	C*	SAULT STE. MARIE, PROV. ONT. BLDG.
60702	R*	SAULT STE. MARIE, ANNA MCREA P. S.
60703	I*	SAULT STE. MARIE, BAYVIEW-YONGE
60802	C*	THUNDER BAY, 185 GORE ST.
60803	R*	THUNDER BAY, ST. BERNARD SCHOOL
60804	R*	THUNDER BAY, 205 STRATHCONA
60901	C*	LONDON, KING-RECTORY
70105	R**	WINNIPEG, MARTIN AND HENDERSON HWY.

70110	C	WINNIPEG, KENNEDY AND ST. MARY'S
70113	I**	WINNIPEG, WINDERMERE AND ROCKMAN
70115	I**	WINNIPEG, PORTAGE AND MINTO
70116	C**	WINNIPEG, SMITH AND KING
70117	R**	WINNIPEG, CONTROL STATION (MORDEN)
90104	C*	EDMONTON, 100TH ST. AND 103RD AVE.
90105	R*	EDMONTON (N.W.), 135 ST. AND 132 AVE.
90106	R*	EDMONTON, 54 ST. AND 101A AVE.
90112	I*	EDMONTON, HWY 16A E. AND 10TH ST.
90119	C*	EDMONTON, 116 STREET AND 88 AVE.
90120	I*	EDMONTON, 66 STREET AND 127 AVE.
90201	I*	CALGARY, 6411 20TH ST., S.E.
90204	C*	CALGARY, 7 AVE. AND 2 ST., S.E.
90205	R*	CALGARY, 32 AVE. AND 14 ST., S.W.
90206	R*	CALGARY, 62 CAMBRIDGE ROAD
90210	I*	CALGARY, 58 AVE. AND BLACKFOOT TRAIL
90219	C*	CALGARY, 620-7 AVENUE S. W.

DUSTFALL VALUES
TONS PER SQUARE MILE PER 30 DAYS
RETOMBEES DE POUSSIERES

LOCATION HALIFAX

MONTH	STATION					
	30101C	30102R	30105R	30106R	30108C	30109R
J	11.8	7.3	7.3	10.3	12.6	4.2
F	26.7	16.7	21.4	10.3	13.7	8.9
M	26.7	17.2	13.6	15.1	18.2	11.9
A	15.6	9.6	10.7	7.4	11.0	6.5
M	11.0	8.9	7.7	11.4	12.5	8.9
J	10.2	8.7	5.9	7.4	8.8	4.7
J	6.2	4.4	3.6	11.6	5.7	5.4
A	8.8	7.4	5.5	5.8	9.2	7.0
S	7.2	3.6	3.7	4.8	8.3	7.8
O	16.9	11.0	8.2	10.1	14.7	14.6
N	14.1	11.3	13.7	6.6	13.7	12.9
D	14.9	12.1	12.7	7.5	21.7	14.2
MEAN	14.2	9.9	9.5	9.0	12.5	8.9
S.D.	6.7	4.2	5.2	2.9	4.4	3.7

CITY MEAN 10.7 MOYENNE POUR LA VILLE

DUSTFALL VALUES
TONS PER SQUARE MILE PER 30 DAYS
RETOMBEES DE POUSSIERES

LOCATION GLACE BAY

MONTH	STATION			
	30401R	30403R	30405C	30406I
J	16.0	12.2	22.9	29.5
F	19.4	10.5	27.9	33.6
M	42.0	14.1	28.6	26.9
A		17.7	27.9	69.3
M		15.8	34.7	50.4
J	23.4	20.8	36.0	77.7
J	34.0	10.0	54.5	
A	26.0	17.7	66.5	
S	21.4	29.7	72.5	
O	25.4	26.8	63.4	
N	42.5	36.8	61.1	
D	31.4	36.8	32.0	
MEAN	28.1	15.2	28.2	53.1
S.D.	9.1	3.8	8.1	18.3

CITY MEAN 33.7 MOYENNE POUR LA VILLE

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LOCATION SYDNEY

MONTH	STATION				
	30301R	30302I	30305R	30309I	30311R
J	15.2	26.3	287.8	30.7	
F	11.3	19.9	29.4		
M	14.2	23.8	107.1	88.1	
A	14.9	44.3	201.9	68.9	
M	54.5	233.1	40.9		
J	15.4	28.8	156.7	20.3	
J	40.5	213.3	33.4		
A	56.8	275.5	21.4		
S	26.6	283.8	42.8		
O	15.4	31.7	27.7		
N	22.8		55.1	380.4	
D	16.3	61.7	80.8	326.3	
MEAN	15.7	36.2	199.0	45.0	353.4
S.D.	3.5	16.1	87.0	23.1	38.2

CITY MEAN 86.5 MOYENNE POUR LA VILLE

LOCATION MONTREAL

MONTH	STATION				
	50101R	50102R	50103R	50106R	50107R
J	14.0	30.0	27.0	38.0	27.0
F	20.0	27.0	14.0	24.0	33.0
M	23.0	33.0	18.0	23.0	24.0
A	43.0		22.0	26.0	38.0
M	32.0		17.0	30.0	34.0
J	17.0	23.0	20.0	21.0	32.0
J	15.0	20.0	20.0	18.0	31.0
A	28.0	26.0	17.0	30.0	34.0
S	22.0	24.0	16.0		
O					
N	14.0	19.0	19.0	17.0	33.0
D	17.0	15.0	26.0	14.0	18.0
MEAN	22.3	24.1	19.6	24.1	30.4
S.D.	9.0	5.6	4.0	7.2	5.8

CITY MEAN 24.0 MOYENNE POUR LA VILLE

DUSTFALL VALUES
TONS PER SQUARE MILE PER 30 DAYS
RETOMBEES DE POUSSIÈRES

LOCATION HULL

STATION

MONTH	50201C
J	15.2
F	26.3
M	26.0
A	38.8
M	28.7
J	38.4
J	28.7
A	25.3
S	25.9
O	20.5
N	32.5
D	18.0

MEAN 27.0
S.D. 7.2

CITY MEAN 27.0 MOYENNE POUR LA VILLE

DUSTFALL VALUES
TONS PER SQUARE MILE PER 30 DAYS
RETOMBEES DE POUSSIÈRES

LOCATION WINDSOR

MONTH	60201I	60202C	STATION	60203R	60206C	60209R	60210R
J	24.0	49.6	60203R	13.6	12.9	21.6	9.6
F	15.8	29.9	60206C	7.7	12.1	9.9	5.6
M	11.4	11.4	60209R	6.6	13.1	9.9	5.6
A	16.1	31.9	60210R	10.5	12.1	24.4	9.4
M	12.8	27.5	60201I	11.1	13.4	16.0	9.8
J	14.2	22.3	60202C	9.2	11.4	11.6	6.7
J	15.1	17.9	60203R	6.1	9.5	13.3	
A	14.8	18.8	60206C	10.0	7.4	8.4	
S	20.9	6.8	60209R	18.2	9.5	5.3	
O	17.6	15.7	60210R	5.3	4.9	11.5	
N	10.8	20.8	60201I	6.6	11.2	5.3	
D		22.9	60202C	5.6			

MEAN 15.3
S.D. 3.7

CITY MEAN 13.8 MOYENNE POUR LA VILLE

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LOCATION OTTAWA

STATION

MONTH	60101C	60102R	60103C
J	40.0	10.0	17.1
F	44.3	15.8	21.8
M	40.0	9.8	
A	49.2	11.0	31.8
M	42.6	11.6	28.8
J	31.6	17.9	25.0
J	42.6	11.6	28.8
A	13.8	18.2	
S	21.4	12.7	15.0
O	20.3	8.9	16.7
N	33.6	10.6	27.0
D	23.7	13.1	17.2

MEAN 35.4
S.D. 10.0

CITY MEAN 23.0 MOYENNE POUR LA VILLE

LOCATION TORONTO

STATION

MONTH	60401C	60403I	STATION	60404R	60405I	60406R	60408C
J	20.0	11.0	60404R	8.0	42.0	14.0	16.0
F	16.0	5.0	60405I	3.0	19.0	6.0	12.0
M	20.0	9.0	60406R	7.0	23.0	9.0	12.0
A	27.0	13.0	60408C	23.0	40.0	11.0	25.0
M	22.0	44.0	60401C	25.0	30.0	15.0	22.0
J	21.0	43.0	60403I	21.0	31.0	18.0	22.0
J	23.0	17.0	60404R	14.0	27.0	12.0	27.0
A	15.0	12.0	60405I	8.0	24.0	6.0	20.0
S	14.0	9.0	60406R	8.0	20.0	10.0	13.0
O	19.0	11.0	60408C	8.0	36.0	11.0	21.0
N	21.0	8.0	60401C	13.0	45.0	14.0	16.0
D	15.0	10.0	60403I	6.0	29.0	8.0	43.0

MEAN 19.4
S.D. 3.6

CITY MEAN 18.3 MOYENNE POUR LA VILLE

DUSTFALL VALUES
TONS PER SQUARE MILE PER 30 DAYS
RETOMBÉES DE POUSSIÈRES

LOCATION HAMILTON

MONTH	STATION					
	60501C	60502I	60503R	60504R	60507C	60508R
J	13.0	47.0	12.0	6.0	23.0	17.0
F	21.0	39.0	19.0	3.0	21.0	10.0
M	27.0	47.0	15.0	14.0	33.0	25.0
A	37.0	58.0	28.0	16.0	33.0	23.0
M	58.0	70.0	39.0	11.0	35.0	16.0
J	31.0	57.0	20.0	9.0	23.0	10.0
J	31.0	31.0	26.0	12.0	19.0	14.0
A	24.0	29.0	17.0	11.0	15.0	12.0
S	20.0	32.0	18.0	6.0	15.0	8.0
O	19.0	45.0	11.0	7.0	24.0	8.0
N	31.0	39.0	21.0	10.0	21.0	12.0
D	20.0	46.0	19.0	7.0	29.0	18.0
MEAN	27.7	45.0	20.4	9.3	24.3	14.4
S.D.	11.7	12.2	7.7	3.7	6.8	5.6

CITY MEAN 23.5 MOYENNE POUR LA VILLE

DUSTFALL VALUES
TONS PER SQUARE MILE PER 30 DAYS
RETOMBÉES DE POUSSIÈRES

LOCATION THUNDER BAY

MONTH	STATION		
	60802C	60803R	60804R
J	6.0	2.0	5.0
F	7.0	3.0	5.0
M	10.0	5.0	5.0
A	26.0	7.0	7.0
M	33.0	18.0	22.0
J	23.0	10.0	14.0
A	27.0	9.0	20.0
S	32.0	6.0	12.0
O	17.0		
N	17.0		
D	8.0		
MEAN	18.7	7.5	11.3
S.D.	10.1	5.0	6.9

CITY MEAN 13.2 MOYENNE POUR LA VILLE

LOCATION SAULT STE. MARIE

MONTH	STATION		
	60701C	60702R	60703I
J	9.0	3.0	5.0
F	7.0	2.0	15.0
M	12.0	2.0	11.0
A	28.0	50.0	28.0
M	13.0	13.0	27.0
J	8.0	4.0	13.0
J	8.0	6.0	19.0
A	12.0	9.0	18.0
S	14.0	7.0	26.0
O	13.0	8.0	22.0
N	9.0	5.0	13.0
D	5.0	3.0	15.0
MEAN	11.5	9.3	17.7
S.D.	5.9	13.2	7.0

CITY MEAN 12.8 MOYENNE POUR LA VILLE

LOCATION LONDON

MONTH	STATION	
	60901C	
J	10.0	
F	10.0	
M	14.0	
A	18.0	
M	13.0	
J	18.0	
J	15.0	
A	12.0	
S	14.0	
O	10.0	
N	6.0	
D	6.0	
MEAN	12.2	
S.D.	4.0	

CITY MEAN 12.2 MOYENNE POUR LA VILLE

DUSTFALL VALUES
TONS PER SQUARE MILE PER 30 DAYS
RETOMBES DE POUSSIERES

LOCATION WINNIPEG

MONTH	STATION					
	70105R	70110C	70113I	70115I	70116C	70117R
J	19.1	28.1	13.8	35.6	29.9	18.7
F	11.8	16.5	7.8	23.0	24.0	15.5
M	23.9	58.5	25.2	37.6	82.4	18.2
A	42.8	50.3	45.5	57.0	113.9	10.0
M	37.2	53.3	40.8	42.4	92.2	18.8
J	28.8	45.7	42.8	36.4	56.5	29.3
J	17.0	30.1	27.0		35.4	9.6
A	17.6	34.0	32.4	26.8	53.9	15.8
S	26.3	49.8	31.6	42.6	57.3	24.2
O	20.0	32.8		32.4	53.4	9.8
N	10.9	19.3	18.5	27.3	33.8	12.2
D	23.4	33.7	21.9	34.4	37.6	28.5
MEAN	23.2	37.7	27.9	36.0	55.9	17.6
S.D.	9.5	13.6	12.1	9.3	27.5	6.9

CITY MEAN 33.1 MOYENNE POUR LA VILLE

DUSTFALL VALUES
TONS PER SQUARE MILE PER 30 DAYS
RETOMBES DE POUSSIERES

LOCATION CALGARY

MONTH	STATION					
	90201I	90204C	90205R	90206R	90210I	90219C
J	9.4	8.4	2.9	5.4	11.1	10.1
F	8.4	9.6	15.3	2.6	15.0	9.8
M	11.0	17.1	6.8	7.8	256.6	13.9
A	21.8	26.2	2.5	12.9	89.3	16.6
M	32.7	18.0	9.1	14.0	45.2	21.3
J	23.9	15.5	6.8	11.2	45.7	20.4
J	19.4	32.3	6.5	14.7	38.2	24.6
A	16.6	11.2	8.6	12.1	26.0	16.5
S	23.0	18.2	6.4	8.4	27.0	13.4
O	29.8	22.0	4.7	12.2	13.5	11.0
D	61.9	8.5	2.3	4.7	7.7	7.7
MEAN	23.5	17.0	6.5	9.7	52.3	15.0
S.D.	15.0	7.6	3.7	4.1	71.7	5.4

CITY MEAN 20.7 MOYENNE POUR LA VILLE

LOCATION EDMONTON

MONTH	STATION					
	90104C	90105R	90106R	90112I	90119C	90120I
J	9.3	3.3	3.2	3.0	4.1	4.1
F	4.9	4.4	2.9	1.9	3.4	5.1
M	15.7	3.8	5.1	5.1	9.4	3.7
A	37.3	25.5	16.9	11.9	17.1	
M	28.5	14.9	14.7	18.9	15.5	33.9
J	37.9	23.4	12.0	21.0		
J	36.6	13.6	7.4	12.2	8.2	29.5
A	24.2	19.7	7.4	12.5	39.9	47.0
S	24.3	13.8	8.3	19.8	9.1	16.9
O	38.5	16.4	6.8	12.4	17.5	28.1
N	16.5	8.1	7.2	4.2	6.6	13.5
D	6.4	6.9	2.4	3.3	3.1	9.2
MEAN	23.3	12.8	7.9	10.5	12.0	19.1
S.D.	12.7	7.6	4.6	6.9	10.7	14.8

CITY MEAN 14.2 MOYENNE POUR LA VILLE

Sulphation Rate

The sulphation rate is measured by exposing lead peroxide candles (*) or plates (**) of specified surface area to the ambient air for a 30 day period. The lead peroxide reacts with sulphur compounds in the atmosphere producing lead sulphate. Results are expressed as milligrams of SO_3 per 100 cm^2 per day.

The presentation in this section follows the same outline as for dustfall, with groups of stations to a maximum of 6 per city. The complete set of sulphation rates obtained in the year for each station are presented in a column with the mean and standard deviation appearing at the foot. Finally, the data for each station are grouped together to yield an overall mean annual sulphation rate for that city. All figures quoted are expressed as milligrams of SO_3 per 100 square centimetres per day.

Indice de formation de sulfate

L'indice de formation de sulfate est mesuré en exposant, pendant une période de 30 jours, des bougies (*) ou des plaques (**) de peroxyde de plomb ayant une surface déterminée. Le peroxyde de plomb réagit avec les composés sulfurés de l'atmosphère pour produire du sulfate de plomb. Les résultats sont exprimés en milligrammes de SO_3 par 100 cm^2 par jour.

La présentation des résultats de cette section est similaire à celle de la section des retombées de poussières.

Chaque colonne des tables contient la série complète des indices de formation des sulfates pour chaque poste (un maximum de 6 postes par ville) pendant l'année 1972. Au bas de chaque colonne, on observe la moyenne et l'écart-type des concentrations obtenues à chaque poste. Enfin, on trouve la moyenne annuelle générale pour tous les postes d'une même ville.

STATIONS MEASURING SULPHATION RATES

STATIONS MESURANT LES INDICES DE FORMATION DE SULFATE

30101	C*	HALIFAX, N.S. TECHNICAL COLLEGE
30102	R*	HALIFAX, DALHOUSIE UNIVERSITY
30105	R*	HALIFAX, ST. MARY'S
30106	R*	HALIFAX, FAIRVIEW SCHOOL
30108	C*	HALIFAX, FEDERAL BUILDING
30109	R*	HALIFAX, TELEPHONE BUILDING
30301	R**	SYDNEY, MURPHY ROAD
30302	I**	SYDNEY, SYDNEY STEEL CORPORATION
30305	R**	SYDNEY, VICTORIA ROAD (WHITNEY SCH.)
30309	I**	SYDNEY, PT. EDWARD, RICHMOND PLASTICS
30311	R**	SYDNEY, WHITNEY PIER FIRE STN.
30401	R**	GLACE BAY, LAKE ROAD
30403	R*	GLACE BAY, PORT CALEDONIA
30405	C**	GLACE BAY, GENERAL HOSPITAL
30406	I**	GLACE BAY, PUMPING STATION ROAD
50101	R*	MONTREAL, JARRY PARK
50102	R*	MONTREAL, BOTANICAL GARDENS
50103	R*	MONTREAL, POINTE AUX TREMBLES
50106	R*	MONTREAL, VILLE ST. LAURENT
50107	R*	MONTREAL, VILLE LASALLE
60401	C*	TORONTO, 67 COLLEGE STREET
60403	I*	TORONTO, ETOBICOKE, EVANS-ARNOLD
60404	R*	TORONTO, 5126 YONGE STREET
60405	I*	TORONTO, JOHN ST. PUMP STATION

60406	R*	TORONTO, ROSEHILL RESERVOIR
60408	C*	TORONTO, DANFORTH-ROBINSON
60501	C*	HAMILTON, BARTON AND WENTWORTH
60502	I*	HAMILTON, BURLINGTON-GAGE
60503	R*	HAMILTON, CHATHAM-FRID
60504	R*	HAMILTON, FENNEL-W. 5TH.
60507	C*	HAMILTON, HUGHSON-HUNTER
60508	R*	HAMILTON, MCMASTER UNIVERSITY
60701	C*	SAULT STE. MARIE, PROV. ONT. BLDG.
60702	R*	SAULT STE. MARIE, ANNA MCREA P. S.
60703	I*	SAULT STE. MARIE, BAYVIEW-YONGE
60802	C*	THUNDER BAY, 185 GORE ST.
60803	R*	THUNDER BAY, ST. BERNARD SCHOOL
60804	R*	THUNDER BAY, 205 STRATHCONA
60901	C*	LONDON, KING-RECTORY
61001	C*	SARNIA, 156 VICTORIA ST.
61002	R*	SARNIA, YACHT CLUB
61003	I*	SARNIA, LAMBTON COLLEGE
70105	R**	WINNIPEG, MARTIN AND HENDERSON HWY.
70113	I**	WINNIPEG, WINDERMERE AND ROCKMAN
70115	I**	WINNIPEG, PORTAGE AND MINTO
70116	C**	WINNIPEG, SMITH AND KING
70117	R**	WINNIPEG, CONTROL STATION (MORDEN)
90104	C*	EDMONTON, 100TH ST. AND 103RD AVE.
90105	R*	EDMONTON (N.W.), 135 ST. AND 132 AVE.
90106	R*	EDMONTON, 54 ST. AND 101A AVE.
90112	I*	EDMONTON, HWY 16A E. AND 10TH ST.

90119	C*	EDMONTON, 116 STREET AND 88 AVE.
90120	I*	EDMONTON, 66 STREET AND 127 AVE.
90201	I*	CALGARY, 6411 20TH ST., S.E.
90204	C*	CALGARY, 7 AVE. AND 2 ST., S.E.
90205	R*	CALGARY, 32 AVE. AND 14 ST., S.W.
90206	R*	CALGARY, 62 CAMBRIDGE ROAD
90210	I*	CALGARY, 58 AVE. AND BLACKFOOT TRAIL
90219	C*	CALGARY, 620-7 AVENUE S. W.

SULPHATION RATES
MILLIGRAMS SO₃ PER 100 SQ. CM. PER DAY
INDICES DE FORMATION DE SULFATE

LOCATION HALIFAX

MONTH	STATION					
	30101C	30102R	30105R	30106R	30108C	30109R
J	1.3	0.8	0.8	0.6	1.5	0.4
F	2.1	0.9	0.7	0.4	0.7	0.5
M	1.5	1.0	0.8	0.4	1.1	0.2
A	1.3	0.7	0.9	0.5	1.0	0.4
M	1.3	0.5	0.6	0.5	0.8	0.2
J	0.7	0.2	0.3	0.5	0.7	0.1
J	0.6	0.2	0.2	0.2	0.7	0.2
A	0.8	0.3	0.3	0.2	0.8	0.1
S	0.9	0.2	0.3	0.2	0.6	0.2
O	1.5	0.6	0.7	0.4	1.0	0.3
N	1.7	1.3	1.1	0.4	1.1	0.5
D	1.6	1.2	1.0	0.5	1.0	0.5
MEAN	1.3	0.7	0.6	0.4	0.9	0.3
S.D.	0.5	0.4	0.3	0.1	0.3	0.2

CITY MEAN 0.7 MOYENNE POUR LA VILLE

SULPHATION RATES
MILLIGRAMS SO₃ PER 100 SQ. CM. PER DAY
INDICES DE FORMATION DE SULFATE

LOCATION GLACE BAY

MONTH	STATION			
	30401R	30403R	30405C	30406I
J	0.6	0.5	1.9	0.2
F	0.6	0.3	3.1	0.2
M	0.6	0.2	1.6	0.3
A	0.3	1.4	0.3	
M	0.2	1.3	0.5	
J	0.0	0.2	0.0	
J	0.1	0.3	0.1	
A	0.1	0.4	0.1	
S	0.0	1.1	0.0	
O	0.3	1.6	0.2	
N	0.8	2.1	0.4	
D	0.7	2.0	0.1	
MEAN	0.4	0.3	1.4	0.2
S.D.	0.3	0.1	0.9	0.1

CITY MEAN 0.6 MOYENNE POUR LA VILLE

135

LOCATION SYDNEY

MONTH	STATION				
	30301R	30302I	30305R	30309I	30311R
J		0.9	1.5		
F	1.4	1.2	0.2		
M	1.8	1.0	0.3		
A	1.7	1.0	1.2		
M	1.1	1.1			
J	0.6	0.9	0.1		
J	1.0	0.7	0.1		
A	0.8	1.1	0.1		
S	0.5	0.4	0.1		
O	0.7	0.8	0.3		
N	0.4	1.9	0.3	1.4	
D	0.4	1.1	0.5	1.1	
MEAN	0.4	1.1	1.0	0.3	1.3
S.D.	0.0	0.5	0.3	0.3	0.2

CITY MEAN 0.8 MOYENNE POUR LA VILLE

LOCATION MONTREAL

MONTH	STATION				
	50101R	50102R	50103R	50106R	50107R
J		2.7	2.6	2.7	1.8
F	1.3	1.7	1.6	1.6	1.8
M	2.1	1.8	2.2	1.9	1.6
A	1.5	1.7	1.8	1.3	
M	1.6	1.7	1.9	1.3	
J	0.8	0.2	2.0	0.8	0.7
J	0.5	0.4	1.3	0.2	0.5
A	0.7	1.8	0.5	0.8	
S	0.6	0.8	1.5	0.7	1.0
O	1.3	1.3	1.7	1.4	2.0
N	1.1	1.1	1.2	0.9	1.3
D	2.1	1.7	1.8	1.7	1.8
MEAN	1.2	1.4	1.8	1.2	1.3
S.D.	0.6	0.7	0.4	0.7	0.5

CITY MEAN 1.4 MOYENNE POUR LA VILLE

SULPHATION RATES
MILLIGRAMS SO₃ PER 100 SQ. CM. PER DAY
INDICES DE FORMATION DE SULFATE

LOCATION TORONTO

MONTH	STATION					
	60401C	60403I	60404R	60405I	60406R	60408C
J	1.2	0.9	0.7	0.9	1.0	0.9
F	1.2	0.6	0.6	1.3	0.9	0.9
M	1.3	0.7	0.5	1.1	0.7	0.6
A	0.6	0.5	0.4	0.7	0.5	0.3
M	0.5	0.3	0.2	0.4	0.3	0.3
J	0.3	0.4	0.3	0.3	0.2	0.2
J	0.4	0.2	0.2	0.2	0.2	0.2
A	0.3	0.2	0.2	0.2	0.2	0.2
S	0.3	0.1	0.2	0.2	0.2	0.2
O	0.7	0.3	0.4	0.5	0.4	0.3
N	0.6	0.4	0.3	0.5	0.4	0.8
D	0.8	0.6	0.6	0.9	0.7	0.7
MEAN	0.7	0.4	0.4	0.6	0.5	0.5
S.D.	0.4	0.2	0.2	0.4	0.3	0.3

CITY MEAN 0.5 MOYENNE POUR LA VILLE

SULPHATION RATES
MILLIGRAMS SO₃ PER 100 SQ. CM. PER DAY
INDICES DE FORMATION DE SULFATE

LOCATION SAULT STE. MARIE

MONTH	STATION		
	60701C	60702R	60703I
J	0.3	0.3	0.6
F	0.5	0.3	0.5
M	0.3	0.1	0.3
A	0.0	0.2	0.2
M	0.3	0.2	0.3
J	0.2	0.1	0.2
J	0.1	0.0	0.2
A	0.1	0.0	0.2
S	0.3	0.1	0.4
O	0.3	0.1	0.3
N	0.3	0.1	0.3
D	0.4	0.3	0.3
MEAN	0.3	0.2	0.3
S.D.	0.1	0.1	0.1

CITY MEAN 0.2 MOYENNE POUR LA VILLE

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LOCATION HAMILTON

MONTH	STATION					
	60501C	60502I	60503R	60504R	60507C	60508R
J	0.7	0.8	0.6	1.1	0.6	0.3
F	1.3	1.3	1.4	0.6	1.0	0.5
M	0.9	0.8	0.8	0.7	0.4	0.2
A	0.9	1.0	0.5	0.7	0.8	0.3
M	0.8	1.1	0.6	0.8	0.7	0.3
J	0.6	1.1	0.4	0.6	0.5	0.2
J	0.4	0.4	0.3	0.2	0.3	0.1
A	0.3	0.6	0.3	0.4	0.3	0.2
S	0.3	0.5	0.3	0.2	0.3	0.2
O	0.5	0.6	0.5	0.4	0.5	0.2
N	0.7	0.8	0.5	0.4	0.8	0.3
D	0.8	0.9	0.8	0.6	0.7	0.5
MEAN	0.7	0.8	0.6	0.6	0.6	0.3
S.D.	0.3	0.3	0.3	0.3	0.2	0.1

CITY MEAN 0.6 MOYENNE POUR LA VILLE

LOCATION THUNDER BAY

MONTH	STATION		
	60802C	60803R	60804R
J	0.2	0.1	0.0
F	0.1	0.2	0.1
M	0.1	0.1	0.0
A	0.1	0.1	0.1
M	0.1	0.1	0.1
J	0.1	0.1	0.0
J	0.1	0.1	0.0
A	0.0	0.0	0.0
S	0.0	0.0	0.0
O	0.1	0.0	0.1
N	0.1	0.0	0.1
D	0.1	0.1	0.1
MEAN	0.1	0.1	0.1
S.D.	0.1	0.1	0.0

CITY MEAN 0.1 MOYENNE POUR LA VILLE

SULPHATION RATES
MILLIGRAMS SO₃ PER 100 SQ. CM. PER DAY
INDICES DE FORMATION DE SULFATE

LOCATION LONDON

MONTH 60901C STATION

J	0.6
F	0.6
M	0.4
A	0.3
M	0.2
J	0.2
J	0.2
A	0.2
S	0.2
O	0.3
N	0.5
D	0.4

MEAN	0.3
S.D.	0.2

CITY MEAN 0.3 MOYENNE POUR LA VILLE

SULPHATION RATES
MILLIGRAMS SO₃ PER 100 SQ. CM. PER DAY
INDICES DE FORMATION DE SULFATE

LOCATION WINNIPEG

MONTH 70105R 70113I STATION 70115I 70116C 70117R

J	
F	0.2
M	0.1
A	0.1
M	0.0
J	0.0
J	0.0
A	0.0
S	0.1
O	0.2
N	
D	

MEAN	0.1
S.D.	0.1

CITY MEAN 0.1 MOYENNE POUR LA VILLE

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LOCATION SARNIA

MONTH 61001C 61002R STATION 61003I

J	1.9
F	1.2
M	0.9
A	0.6
M	1.0
J	1.0
J	0.5
A	1.1
S	0.9
O	1.2
N	0.9
D	0.9

MEAN	1.0
S.D.	0.4

CITY MEAN 1.0 MOYENNE POUR LA VILLE

LOCATION EDMONTON

MONTH 90104C 90105R STATION 90106R 90112I 90119C 90120J

J	0.2
F	0.1
M	0.2
A	0.1
M	0.1
J	0.1
J	0.0
A	0.0
S	0.0
O	0.1
N	0.1
D	0.1

MEAN	0.1
S.D.	0.1

CITY MEAN 0.1 MOYENNE POUR LA VILLE

SULPHATION RATES
 MILLIGRAMS SO₃ PER 100 SQ. CM. PER DAY
 INDICES DE FORMATION DE SULFATE

LOCATION CALGARY

MONTH	STATION					
	90201I	90204C	90205R	90206R	90210I	90219C
J	0.5	0.5	0.4	0.4	0.5	0.6
F	0.3	0.3	0.3	0.3	0.2	0.4
M	0.3	0.2	0.2	0.2	0.2	0.3
A	0.1	0.2	0.1	0.1	0.1	0.2
M	0.2	0.1	0.1	0.1	0.2	0.2
J	0.2	0.0	0.1	0.1	0.2	0.2
A	0.2	0.2	0.1	0.1	0.2	0.1
S	0.1	0.1	0.1	0.1	0.1	0.1
O	0.3	0.2	0.1	0.1	0.1	0.2
N	0.1	0.1	0.1	0.1	0.1	
D	0.2	0.2	0.1	0.2	0.2	0.3
MEAN	0.2	0.2	0.2	0.2	0.2	0.2
S.D.	0.1	0.1	0.1	0.1	0.1	0.1

CITY MEAN 0.2 MOYENNE POUR LA VILLE