



# D.I.R.E.N. NORD - PAS DE CALAIS

## Service de l'Eau, des Milieux Aquatiques, et des Risques Naturels

### RESEAU PLUVIOMETRIQUE



# ANNUAIRE 2007

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## **Préambule**

### **1-1 Présentation et historique du réseau pluviométrique**

La Direction Régionale de l'Environnement Nord-Pas de Calais (DIREN) a géré et exploité en 2007 sur la région Nord-Pas de Calais un réseau pluviométrique de 20 postes complémentaires du réseau Météo France avec une double finalité : la connaissance quantitative de la ressource en eau et un usage opérationnel d'alerte pour la prévision des crues. C'est ce dernier objectif qui a été privilégié dans le cadre de la réforme des services de prévision des crues (SPC) et qui a guidé la rationalisation des réseaux pluviométriques au cours des dernières années.

Les premières données disponibles sous forme de cumuls mensuels remontent aux années 1960. L'automatisation du réseau de la DIREN a débuté sur le bassin de la Sambre dans les années 1990 avec la mise en place du réseau NOE pour l'annonce de crues. Aujourd'hui, tous les postes de la DIREN entrant dans le périmètre du SPC Artois – Picardie sont équipés d'une centrale d'acquisition numérique et d'un modem permettant la télétransmission des données. Les  $\frac{3}{4}$  de ces stations font l'objet d'un relevé journalier complémentaire effectué par des observateurs locaux à partir d'un pluviomètre SPIEA à lecture directe.

### **1-2 Bancarisation et accès aux données**

La DIREN organise une bancarisation de ces données en local dans une base de données Informix enregistrant les données à pas de temps variables et les cumuls journaliers ;

Cette base est alimentée par des données papier, des supports informatiques et par télétransmission à des fréquences variables exemple : quotidienne pour les données brutes. Le stockage des données n'est donc pas homogène (format, pas de temps, qualité des données).

L'accessibilité aux données reste restreinte aussi bien en temps réel pour la plupart des données brutes opérationnelles qu'en temps différé pour les données validées. Les formats et modes de diffusion dépendent largement de l'état des données archivées : papier, supports informatiques figés (pdf), fichiers texte ou lisible sous excel.

Dans la mesure où la diffusion externe (hors sphère de la prévision de crues) ne porte que sur les données critiquées et validées telles qu'elles sont constituées auprès du service producteur et ne nécessite pas de traitements lourds spécifiques, cette diffusion est effectuée gratuitement à la demande dans un délai variant de quelques jours à un mois.



### **1-3 Valorisation des données – contenu des fiches**

Le présent annuaire 2007 présente un état des lieux du réseau pluviométrique suivi par la DIREN Nord – Pas de Calais, des données moyennes interannuelles puis différentes statistiques sur les pluies journalières et mensuelles (temps de retour allant de 2 à 100 ans). Enfin sont figurées poste par poste toutes les données journalières pour 2007 ainsi que les cumuls mensuels et annuels de la dernière décennie.

Cet annuaire 2007 constitue une valorisation des données pluviométriques complétant notamment deux autres produits élaborés par la DIREN : le bulletin mensuel de situation hydrologique et le recueil hydrologique des cours d'eau du Nord – Pas de Calais.

Il est destiné à tout utilisateur de données de pluies voire de tout acteur dans le domaine de l'eau, de bureaux d'études hydrologiques ou hydrauliques ainsi qu'au grand public. Il est disponible sous trois formes :

- Papier
- Cd rom
- Sur le site Internet de la DIREN, rubrique publications, à l'adresse : <http://www.nord-pas-de-calais.ecologie.gouv.fr/>

## 1-4 Matériel des stations de mesure pluviométrique

### Station automatique et pluviomètre

Pluviomètre SPIEA\*  
à lecture directe modifié M.N.  
R01-2050 A  
Relevé chaque jour à 8h00

Coffret contenant la centrale numérique  
de comptage des basculements,  
le modem de télétransmission  
des données et la batterie  
d'alimentation rechargée par  
panneau solaire



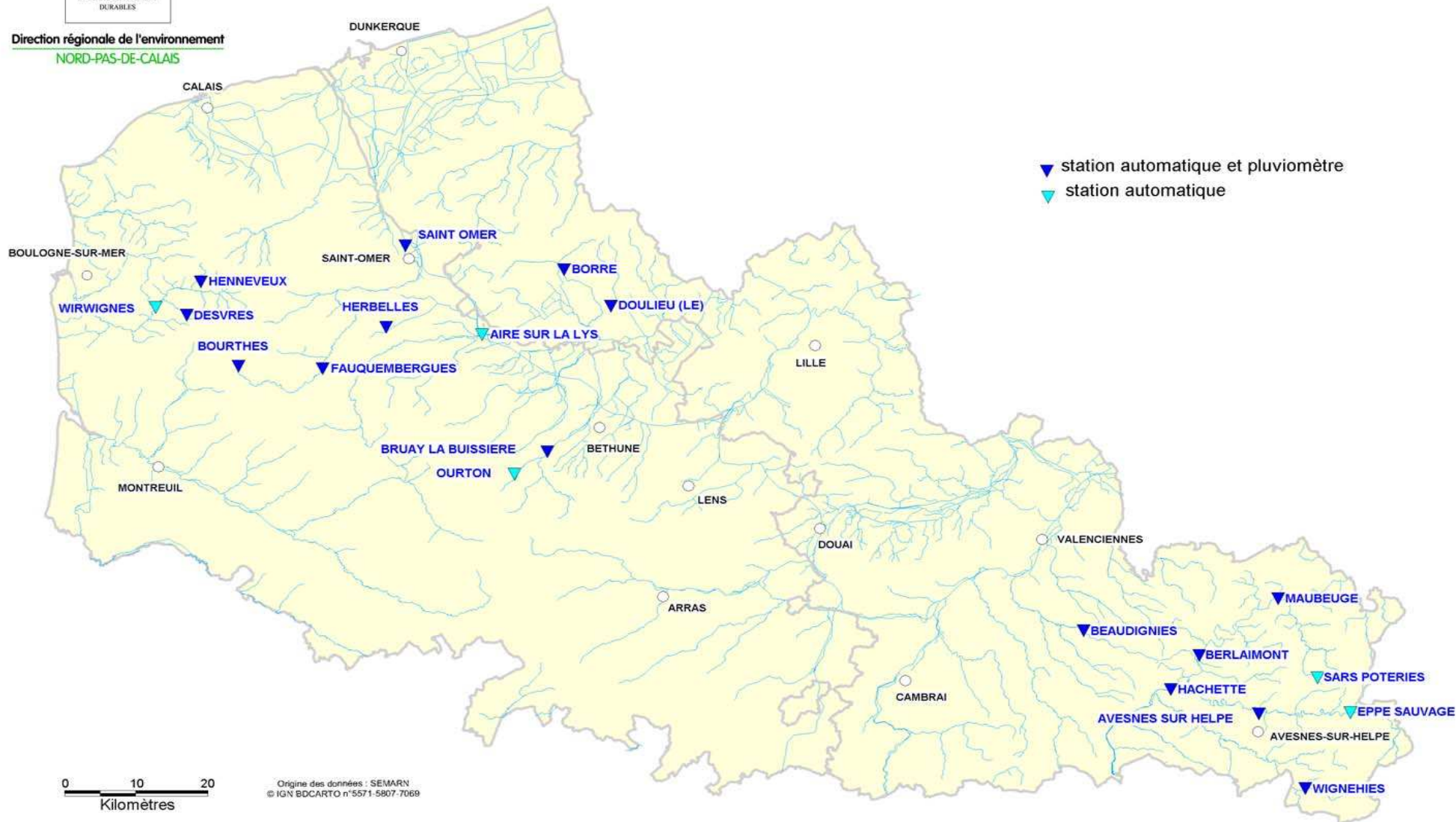
Pluviomètre à augets  
basculants "Précis Mécanique"  
type 3031  
1 basculement = 0.1mm de pluie

\* SPIEA (Syndicat Professionnel de l'Industrie des Engrais Azotés).



Direction régionale de l'environnement  
NORD-PAS-DE-CALAIS

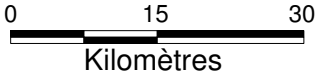
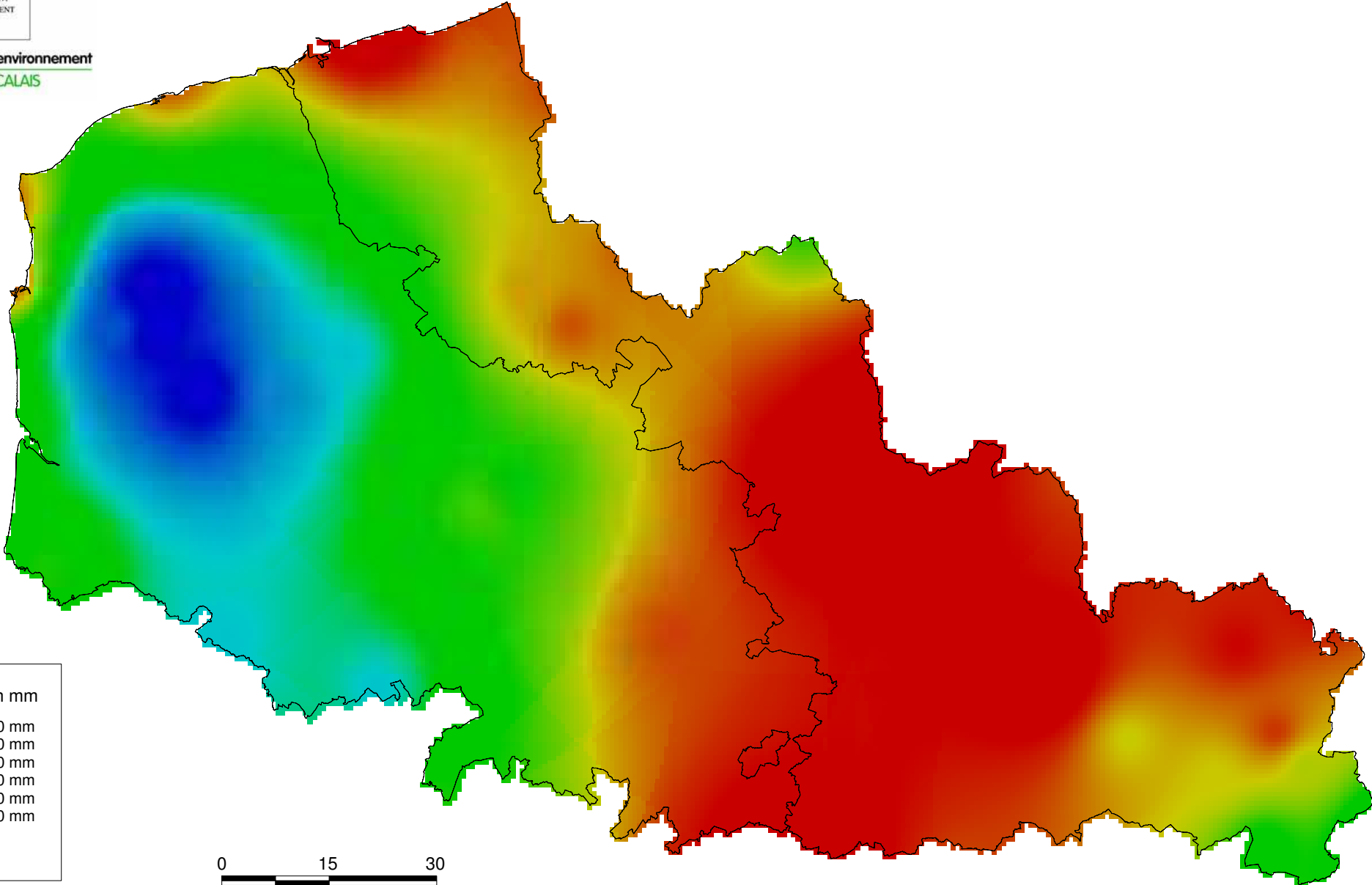
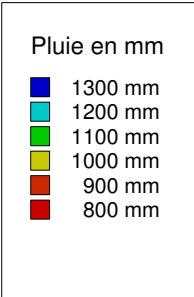
## Réseau pluviométrique de la DIREN Nord - Pas de Calais (au 01/01/2007)





# CUMUL DE PLUIE POUR L'ANNEE 2007

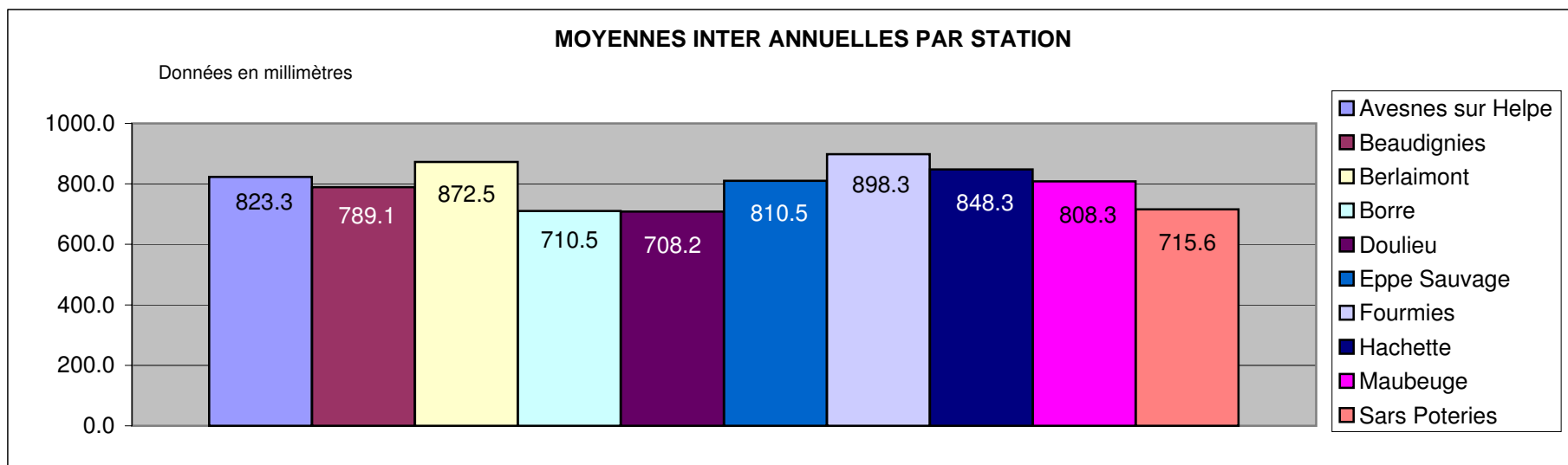
Direction régionale de l'environnement  
NORD-PAS-DE-CALAIS



### 3-1 STATIONS PLUVIOMETRIQUES : MOYENNES INTER ANNUELLES

#### DEPARTEMENT DU NORD

|                   | Chronologie | Janvier | Février | Mars | Avril | Mai  | Juin | Juillet | Aout | Sept. | Oct. | Nov. | Déc. | Total annuel |
|-------------------|-------------|---------|---------|------|-------|------|------|---------|------|-------|------|------|------|--------------|
| Avesnes sur Helpe | 1982-2007   | 70.5    | 58.8    | 69.9 | 54.2  | 72.1 | 68.6 | 72.2    | 69.2 | 57.9  | 68.1 | 78.9 | 83.0 | 823.3        |
| Beaudignies       | 1966-2007   | 63.7    | 53.6    | 66.8 | 54.5  | 65.3 | 74.4 | 74.1    | 66.5 | 58.4  | 64.5 | 73.3 | 73.8 | 789.1        |
| Berlaimont        | 1975-2007   | 79.1    | 65.2    | 74.8 | 60.0  | 67.3 | 75.9 | 70.5    | 72.3 | 64.3  | 75.5 | 78.9 | 88.7 | 872.5        |
| Borre             | 1966-2007   | 53.4    | 46.7    | 49.8 | 44.7  | 58.9 | 61.0 | 58.7    | 57.6 | 67.1  | 66.9 | 76.7 | 69.0 | 710.5        |
| Douliou           | 1994-2007   | 55.8    | 51.5    | 47.5 | 45.7  | 62.8 | 56.6 | 69.8    | 71.7 | 61.4  | 60.2 | 68.4 | 56.8 | 708.2        |
| Eppe Sauvage      | 1982-2007   | 91.8    | 56.3    | 64.6 | 52.0  | 72.9 | 66.3 | 51.9    | 70.8 | 51.6  | 60.7 | 76.6 | 95.0 | 810.5        |
| Fourmies          | 1961-2007   | 83.1    | 66.4    | 77.3 | 60.5  | 68.5 | 72.9 | 74.0    | 75.6 | 67.4  | 74.2 | 87.4 | 91.0 | 898.3        |
| Hachette          | 1983-2007   | 76.4    | 63.3    | 77.1 | 60.1  | 63.8 | 67.8 | 71.6    | 70.9 | 62.8  | 75.1 | 75.8 | 83.5 | 848.3        |
| Maubeuge          | 1961-2007   | 69.1    | 55.6    | 70.9 | 55.7  | 66.0 | 73.6 | 71.3    | 65.0 | 59.2  | 67.0 | 75.7 | 79.2 | 808.3        |
| Sars Poteries     | 1973-2007   | 61.1    | 47.9    | 47.7 | 43.4  | 52.6 | 52.7 | 57.5    | 58.5 | 62.8  | 73.7 | 80.7 | 77.0 | 715.6        |



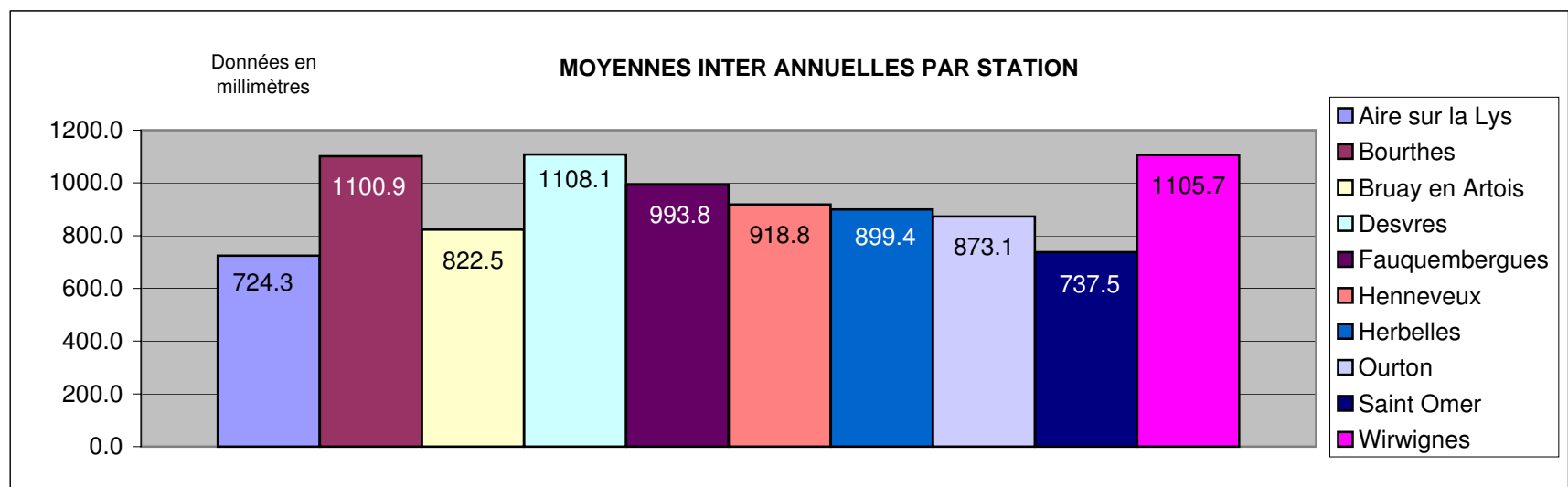
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## 3-2 STATIONS PLUVIOMETRIQUES : MOYENNES INTER ANNUELLES

DEPARTEMENT DU PAS DE CALAIS

|                 | Chronologie | Janvier | Février | Mars | Avril | Mai  | Juin | Juillet | Aout | Sept. | Oct.  | Nov.  | Déc.  | Total annuel |
|-----------------|-------------|---------|---------|------|-------|------|------|---------|------|-------|-------|-------|-------|--------------|
| Aire sur la Lys | 1973-2007   | 63.2    | 46.2    | 50.7 | 45.4  | 53.3 | 57.3 | 58.7    | 56.2 | 69.6  | 70.8  | 75.5  | 77.4  | 724.3        |
| Bourthes        | 1966-2007   | 105.5   | 80.2    | 83.4 | 68.3  | 70.8 | 71.4 | 76.4    | 75.1 | 98.3  | 118.2 | 132.3 | 121.3 | 1100.9       |
| Bruay en Artois | 1990-2007   | 77.7    | 62.7    | 52.0 | 55.3  | 55.6 | 59.8 | 68.1    | 69.7 | 68.3  | 75.3  | 82.5  | 95.5  | 822.5        |
| Desvres         | 1966-2007   | 102.7   | 77.7    | 78.5 | 67.6  | 71.8 | 75.3 | 74.0    | 80.1 | 106.6 | 123.3 | 130.5 | 120.0 | 1108.1       |
| Fauquembergues  | 1963-2007   | 94.2    | 74.4    | 76.4 | 63.7  | 65.7 | 69.2 | 69.9    | 63.9 | 85.9  | 105.4 | 117.7 | 107.4 | 993.8        |
| Henneveux       | 1973-2007   | 84.6    | 59.9    | 67.5 | 56.5  | 64.6 | 59.3 | 62.9    | 64.5 | 88.6  | 105.4 | 98.5  | 106.7 | 918.8        |
| Herbelles       | 1996-2007   | 85.9    | 69.7    | 61.4 | 51.8  | 74.7 | 59.4 | 81.3    | 74.2 | 65.3  | 84.4  | 91.8  | 99.6  | 899.4        |
| Ourton          | 1966-2007   | 82.0    | 63.3    | 73.2 | 58.9  | 62.4 | 65.4 | 66.4    | 64.7 | 74.4  | 78.0  | 93.5  | 90.9  | 873.1        |
| Saint Omer      | 1953-2007   | 62.0    | 50.4    | 47.5 | 44.5  | 51.8 | 54.3 | 61.0    | 59.8 | 66.7  | 76.5  | 84.0  | 78.9  | 737.5        |
| Wirwignies      | 1989-2007   | 93.2    | 85.0    | 66.8 | 72.1  | 69.5 | 72.5 | 70.2    | 77.6 | 101.1 | 126.3 | 129.3 | 142.3 | 1105.7       |



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## 3-3 ETUDES STATISTIQUES PRECIPITATIONS JOURNALIERES

### Département du nord

| STATIONS          | Avesnes sur Helpe | Beaudignies | Berlaimont  | Borre       | Douliou     | Eppe Sauvage | Fourmies    | Hachette    | Maubeuge    | Sars Poteries |      |
|-------------------|-------------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|---------------|------|
| Chronologie       | 1982 - 2006       | 1966 - 2006 | 1975 - 2006 | 1966 - 2006 | 1994 - 2006 | 1982 - 2006  | 1961 - 2006 | 1983 - 2006 | 1961 - 2006 | 1973 - 2006   |      |
| Toutes les années | 2 ans             | 30.6        | 31.8        | 33.2        | 31.2        | 32.3         | 24.0        | 34.2        | 31.1        | 30.9          | 30.5 |
|                   | 5 ans             | 41.3        | 42.0        | 45.0        | 43.1        | 53.7         | 35.3        | 44.0        | 43.1        | 40.0          | 40.3 |
|                   | 10 ans            | 50.5        | 50.6        | 55.0        | 53.2        | 67.9         | 45.0        | 52.1        | 53.5        | 47.4          | 48.5 |
|                   | 15 ans            | 56.5        | 56.2        | 61.7        | 60.0        | 75.9         | 51.6        | 57.3        | 60.4        | 52.0          | 53.8 |
|                   | 20 ans            | 61.1        | 60.4        | 66.8        | 65.3        | 81.5         | 56.9        | 61.2        | 65.7        | 55.8          | 57.9 |
|                   | 25 ans            | 64.9        | 63.9        | 71.0        | 69.6        | 85.8         | 61.2        | 64.3        | 70.2        | 58.8          | 61.3 |
|                   | 50 ans            | 78.3        | 76.1        | 85.8        | 84.9        | 99.0         | 76.9        | 75.3        | 85.9        | 68.9          | 72.8 |
|                   | 100 ans           | 94.3        | 90.4        | 103.4       | 103.5       | 112.2        | 96.5        | 87.9        | 104.9       | 80.8          | 86.5 |

### Département du Pas de Calais

| STATIONS          | Aire sur la Lys | Bourthes    | Bruay en Artois | Desvres     | Fauquembergues | Henneveux   | Herbelles   | Ourton      | Saint Omer  | Wirwignies  |      |
|-------------------|-----------------|-------------|-----------------|-------------|----------------|-------------|-------------|-------------|-------------|-------------|------|
| Chronologie       | 1973 - 2006     | 1966 - 2006 | 1990 - 2006     | 1966 - 2006 | 1963 - 2006    | 1973 - 2006 | 1996 - 2006 | 1966 - 2006 | 1953 - 2006 | 1989 - 2006 |      |
| Toutes les années | 2 ans           | 29.6        | 39.3            | 35.8        | 37.7           | 35.0        | 33.8        | 33.7        | 32.7        | 32.4        | 41.3 |
|                   | 5 ans           | 42.1        | 49.1            | 52.1        | 48.0           | 43.5        | 46.1        | 42.4        | 44.5        | 43.0        | 56.6 |
|                   | 10 ans          | 53.2        | 57.0            | 62.9        | 56.3           | 50.1        | 56.6        | 49.2        | 54.6        | 51.9        | 66.7 |
|                   | 15 ans          | 60.7        | 62.0            | 69.0        | 61.6           | 54.2        | 63.5        | 53.6        | 61.3        | 57.8        | 72.4 |
|                   | 20 ans          | 66.0        | 65.7            | 73.3        | 65.6           | 57.3        | 68.9        | 56.9        | 66.5        | 62.2        | 76.4 |
|                   | 25 ans          | 71.5        | 68.7            | 76.5        | 68.9           | 59.9        | 73.4        | 59.6        | 70.7        | 65.9        | 79.5 |
|                   | 50 ans          | 88.9        | 79.0            | 86.7        | 80.0           | 68.4        | 88.9        | 68.6        | 85.7        | 78.7        | 89.0 |
|                   | 100 ans         | 110.5       | 90.7            | 96.7        | 92.9           | 78.0        | 107.7       | 78.9        | 103.7       | 93.7        | 98.4 |

Note : Les statistiques sont établies d'après la loi d'ajustement de Frechet.

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## 3-4 ETUDES STATISTIQUES PRECIPITATIONS MENSUELLES

### Département du nord

| STATIONS           | Avesnes sur Helpe  | Beaudignies        | Berlaimont         | Borre              | Douliou            | Eppe Sauvage       | Fourmies           | Hachette           | Maubeuge           | Sars Poteries      |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>Chronologie</b> | <b>1982 - 2006</b> | <b>1966 - 2006</b> | <b>1975 - 2006</b> | <b>1966 - 2006</b> | <b>1994 - 2006</b> | <b>1982 - 2006</b> | <b>1961 - 2006</b> | <b>1983 - 2006</b> | <b>1961 - 2006</b> | <b>1973 - 2006</b> |
| <b>2 ans</b>       | 147.0              | 123.3              | 139.8              | 115.5              | 121.3              | 115.6              | 141.6              | 135.6              | 127.0              | 134.8              |
| <b>5 ans</b>       | 184.3              | 156.6              | 176.5              | 148.2              | 161.2              | 161.9              | 184.0              | 172.6              | 162.1              | 184.6              |
| <b>10 ans</b>      | 208.9              | 183.4              | 205.9              | 174.8              | 187.6              | 192.6              | 218.8              | 202.4              | 190.5              | 227.3              |
| <b>15 ans</b>      | 222.8              | 200.5              | 224.6              | 191.9              | 202.5              | 209.9              | 241.3              | 221.4              | 208.7              | 255.7              |
| <b>20 ans</b>      | 232.5              | 213.4              | 238.7              | 204.8              | 212.9              | 222.1              | 258.4              | 235.8              | 222.4              | 277.6              |
| <b>25 ans</b>      | 240.0              | 223.9              | 250.2              | 215.4              | 220.9              | 231.4              | 272.4              | 247.5              | 233.6              | 295.7              |
| <b>50 ans</b>      | 263.1              | 259.6              | 289.1              | 251.5              | 245.7              | 260.1              | 320.5              | 287.4              | 271.8              | 359.5              |
| <b>100 ans</b>     | 286.0              | 300.8              | 333.7              | 293.2              | 270.3              | 288.7              | 376.5              | 333.4              | 315.9              | 436.4              |

### Département du Pas de Calais

| STATIONS           | Aire sur la Lys    | Bourthes           | Bruay en Artois    | Desvres            | Fauquembergues     | Henneveux          | Herbelles          | Ourton             | Saint Omer         | Wirwignies         |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>Chronologie</b> | <b>1973 - 2006</b> | <b>1966 - 2006</b> | <b>1990 - 2006</b> | <b>1966 - 2006</b> | <b>1963 - 2006</b> | <b>1973 - 2006</b> | <b>1996 - 2006</b> | <b>1966 - 2006</b> | <b>1953 - 2006</b> | <b>1989 - 2006</b> |
| <b>2 ans</b>       | 120.5              | 180.4              | 140.3              | 189.7              | 166.2              | 162.0              | 146.1              | 139.5              | 129.0              | 156.0              |
| <b>5 ans</b>       | 158.2              | 232.4              | 196.0              | 243.3              | 216.2              | 212.7              | 189.6              | 175.8              | 170.8              | 207.5              |
| <b>10 ans</b>      | 189.5              | 274.9              | 232.9              | 287.0              | 257.4              | 254.6              | 225.4              | 204.8              | 205.6              | 250.6              |
| <b>15 ans</b>      | 209.8              | 302.2              | 253.7              | 315.0              | 283.9              | 281.8              | 248.4              | 223.3              | 228.4              | 278.8              |
| <b>20 ans</b>      | 225.2              | 322.9              | 268.3              | 336.2              | 304.1              | 302.6              | 265.9              | 237.2              | 245.7              | 300.4              |
| <b>25 ans</b>      | 237.9              | 339.8              | 279.5              | 353.5              | 320.7              | 319.6              | 280.2              | 248.5              | 260.0              | 318.2              |
| <b>50 ans</b>      | 281.7              | 397.7              | 314.1              | 412.6              | 377.5              | 378.3              | 329.4              | 286.8              | 309.5              | 379.8              |
| <b>100 ans</b>     | 333.2              | 464.9              | 348.5              | 481.1              | 443.9              | 447.2              | 386.8              | 330.7              | 367.8              | 452.7              |

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Note : Les statistiques sont établies d'après la loi d'ajustement de Frechet.

## LISTE DES STATIONS

### DEPARTEMENT DU NORD

| Code INSEE<br>Station | Nom station                       | Sous bassin versant<br>et bassin principal |
|-----------------------|-----------------------------------|--|
| 59036                 | <a href="#">AVESNES SUR HELPE</a> | Helpe Majeure / Sambre                     |
| 59057                 | <a href="#">BEAUDIGNIES</a>       | Ecaillon / Escaut                          |
| 59068                 | <a href="#">BERLAIMONT</a>        | Sambre                                     |
| 59091                 | <a href="#">BORRE</a>             | Bourre / Lys                               |
| 59180                 | <a href="#">DOULIEU(LE)</a>       | Lys  |
| 59198                 | <a href="#">EPPE SAUVAGE</a>      | Helpe Majeure / Sambre                     |
| 59249                 | <a href="#">FOURMIES</a>          | Helpe Mineure / Sambre                     |
| 59325                 | <a href="#">HACHETTE</a>          | Sambre                                     |
| 59392                 | <a href="#">MAUBEUGE</a>          | Sambre                                     |
| 59555                 | <a href="#">SARS POTERIES</a>     | Soire / Sambre                             |

### DEPARTEMENT DU PAS DE CALAIS

|       |                                 |               |
|-------|---------------------------------|---------------|
| 62014 | <a href="#">AIRE SUR LA LYS</a> | Lys canalisée |
| 62168 | <a href="#">BOURTHES</a>        | Aa            |
| 62178 | <a href="#">BRUAY EN ARTOIS</a> | Lawe / Lys    |
| 62268 | <a href="#">DESVRES</a>         | Liane         |
| 62325 | <a href="#">FAUQUEMBERGUES</a>  | Aa            |
| 62429 | <a href="#">HENNEVEUX</a>       | Liane         |
| 62431 | <a href="#">HERBELLES</a>       | Lys           |
| 62642 | <a href="#">OURTON</a>          | Lawe / Lys    |
| 62765 | <a href="#">SAINT OMER</a>      | Aa            |
| 62896 | <a href="#">WIRWIGNES</a>       | Liane         |

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| J/M  | Janvier | Février | Mars | Avril | Mai      | Juin | Juillet | Aout  | Sept. | Oct. | Nov. | Déc. |
|------|---------|---------|------|-------|----------|------|---------|-------|-------|------|------|------|
| 1    | 4.7     | 0.1     | 0.7  | 0.1   | 0        | 4.6  | 15      | 3.1   | 0.1   | 11.3 | 0    | 2.5  |
| 2    | 1.8     | 0       | 6.4  | 0     | 0        | 0    | 9.1     | 0.3   | 1.3   | 0.1  | 0.5  | 25.6 |
| 3    | 2.1     | 0       | 0.5  | 0     | 0.1      | 0.1  | 10      | 0.2   | 3.9   | 0.1  | 0.6  | 0    |
| 4    | 1.4     | 0.4     | 5.2  | 0     | 0        | 0    | 6.5     | 0.2   | 1     | 0.1  | 0    | 1.3  |
| 5    | 3.2     | 1.2     | 2.4  | 0     | 0        | 0    | 4.1     | 0     | 1.4   | 0.2  | 1    | 6.8  |
| 6    | 7.2     | 1.4     | 20.2 | 0     | 2.2      | 0    | 0.1     | 8     | 0.7   | 0.2  | 0    | 26.7 |
| 7    | 2.9     | 1.3     | 0.1  | 0.1   | 9.4      | 0    | 0       | 0     | 0.2   | 0.3  | 0.4  | 0.6  |
| 8    | 3.1     | 8.1     | 0.2  | 0.1   | 22       | 1.5  | 6.2     | 1.7   | 0.1   | 0.2  | 6.9  | 9.8  |
| 9    | 0.3     | 0.2     | 5.8  | 0.1   | 17.3     | 0    | 1.5     | 14    | 0     | 12.4 | 2    | 8.5  |
| 10   | 3.8     | 9.6     | 0.1  | 0.1   | 0.7      | 0    | 0.1     | 0     | 0.3   | 0.2  | 3.3  | 5.7  |
| 11   | 6.2     | 19.9    | 0    | 0     | 6.6      | 0    | 4.4     | 0.2   | 0.2   | 0.2  | 2.5  | 0.4  |
| 12   | 0.4     | 9.2     | 0.2  | 0.1   | 8        | 0.2  | 0.9     | 0.2   | 0.2   | 0    | 0.8  | 0.2  |
| 13   | 0.4     | 2.4     | 0.3  | 0.1   | 3        | 0    | 0       | 0.2   | 0.2   | 0.3  | 5.8  | 0    |
| 14   | 0.1     | 9.4     | 0.1  | 0.1   | 2.6      | 21.6 | 0.4     | 6.4   | 0     | 0.2  | 0    | 0    |
| 15   | 0.3     | 0.1     | 0.1  | 0.1   | 6.5      | 1    | 0       | 6.4   | 0.3   | 0.1  | 0.1  | 0    |
| 16   | 1       | 0       | 0.1  | 0     | 3.1      | 4.4  | 8.3     | 0.5   | 0.1   | 0.2  | 0.2  | 0    |
| 17   | 19.9    | 0       | 0.4  | 0.1   | 0.1      | 6.7  | 0.1     | 0.3   | 7.4   | 2    | 0.1  | 0    |
| 18   | 13.2    | 0.1     | 6.9  | 0.1   | E 27.00  | 0.4  | 0.1     | 0     | 2.2   | 0.1  | 0.1  | 0    |
| 19   | 0.8     | 0       | 4.1  | 0.1   | 0.5      | 4.6  | 1.7     | 17.3  | 0.1   | 0.1  | 4.3  | 0    |
| 20   | 5.2     | 0       | 4.6  | 0     | 0.6      | 0    | 5.8     | 12.2  | 0     | 0.1  | 9.3  | 0    |
| 21   | 0       | 1.8     | 4.4  | 0.1   | 1.1      | 2.9  | 0.1     | 15.8  | 0.1   | 0.2  | 0.3  | 0    |
| 22   | 0       | 1       | 1.3  | 0     | 0.6      | 4.8  | 1.4     | 15.7  | 0.2   | 0    | 0.3  | 0    |
| 23   | 0       | 3.5     | 1.1  | 0     | 0.1      | 3.9  | 16.5    | 5.2   | 0.3   | 0.2  | 0.1  | 0.4  |
| 24   | 0       | 11.9    | 0.4  | 0     | 0        | 0.3  | 0.1     | 0.3   | 3.7   | 0.1  | 1.9  | 0    |
| 25   | 0       | 7.2     | 0    | 0     | 0.1      | 9.7  | 0.1     | 0.2   | 1.8   | 0    | 0.1  | 1.3  |
| 26   | 0.1     | 3.1     | 0    | 0.1   | 1.4      | 3.8  | 0.1     | 0.2   | 4.5   | 0    | 2    | 0.4  |
| 27   | 0.1     | 6       | 0    | 0     | 3.9      | 4.4  | 4.7     | 0.1   | 8.9   | 0    | 0.8  | 0    |
| 28   | 1.5     | 13.7    | 0.1  | 0     | 2.9      | 0.2  | 1.1     | 0     | 2.8   | 1.9  | 0.4  | 1.2  |
| 29   | 0.4     |         | 3.8  | 0     | 0        | 3.4  | 4.4     | 0.2   | 5.3   | 19   | 3.6  | 3    |
| 30   | 0       |         | 0.4  | 0     | 5        | 0.2  | 0.1     | 0     | 0.3   | 0.9  | 15.4 | 0.1  |
| 31   | 0.5     |         | 4.5  |       | 12       |      | 0.3     | 0     |       | 0.2  |      | 0    |
| Tot. | 80.6    | 111.6   | 74.4 | 1.4   | E 136.80 | 78.7 | 103.2   | 108.9 | 47.6  | 50.9 | 62.8 | 94.5 |

**Codes**

\* Précipitations neigeuses

E Précipitations estimées

MQ Données manquantes

Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)

( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte

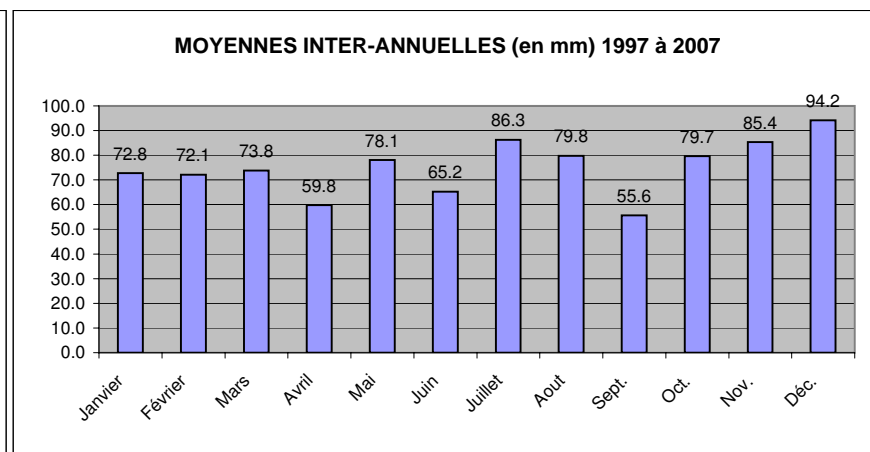
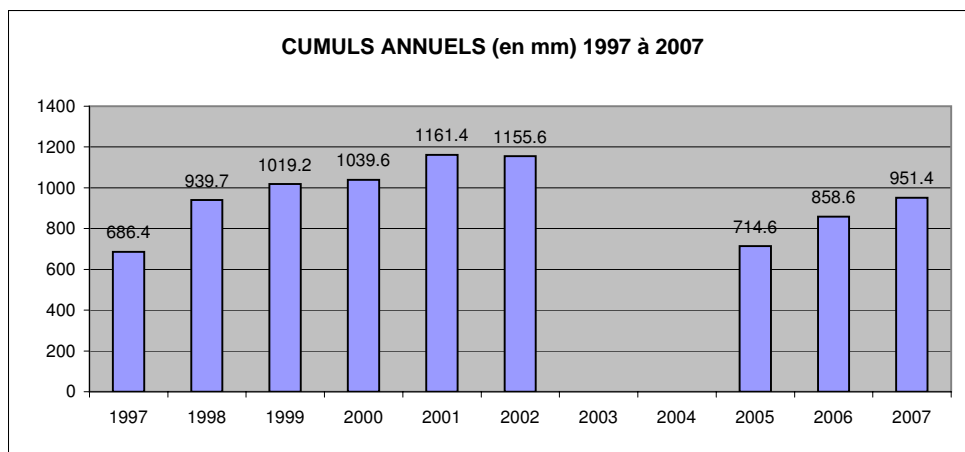
) Indique la fin de la ventilation.

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## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### AVESNES SUR HELPE

|                  | Janvier     | Février     | Mars        | Avril       | Mai         | Juin        | Juillet     | Aout        | Sept.       | Oct.        | Nov.        | Déc.        | Total annuel  |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| <b>1997</b>      | 2.7         | 79.1        | 27.6        | 20.3        | 80.5        | 111.7       | 59.2        | 35.3        | 11.6        | 75.4        | 86.4        | 96.6        | <b>686.4</b>  |
| <b>1998</b>      | 80.4        | 6.1         | 79.7        | 112.1       | 56.8        | 123.9       | 76.1        | 24.2        | 72.2        | 173.4       | 74.6        | 60.2        | <b>939.7</b>  |
| <b>1999</b>      | 114         | 88.6        | 88.1        | 73.1        | 48.2        | 92.1        | 64.7        | 70.4        | 77.8        | 50.1        | 49.4        | 202.7       | <b>1019.2</b> |
| <b>2000</b>      | 61          | 72.6        | 66.7        | 86.1        | 108.6       | 37.1        | 131.4       | 70.2        | 69.1        | 123.8       | 132.1       | 80.9        | <b>1039.6</b> |
| <b>2001</b>      | 120.4       | 72.6        | 177         | 141.6       | 16.8        | 43.7        | 107.2       | 64.1        | 162.7       | 76.5        | 122.2       | 56.6        | <b>1161.4</b> |
| <b>2002</b>      | 94.9        | 181.4       | 93.3        | 28.3        | 73          | 69.8        | 65.1        | 142.7       | 26          | 89.8        | 164.4       | 126.9       | <b>1155.6</b> |
| <b>2003</b>      | 110.5       | 20.3        | 40.2        | 43.4        | 68.7        |             | 82          | 24.2        | 31.5        | 59.2        | 57.7        | 86.4        |               |
| <b>2004</b>      | 76.1        | 16.2        | 36.2        |             | 55.6        |             | 56          | 114.4       | 53          | 76.3        | 39.2        | 66.2        |               |
| <b>2005</b>      | 36.9        | 77.5        | 28.2        | 52.6        | 50.3        | 21.1        | 148.6       | 83.1        | 40.1        | 54.1        | 72.6        | 49.5        | <b>714.6</b>  |
| <b>2006</b>      | 23.2        | 66.9        | 100.1       | 39.1        | 163.5       | 9.1         | 55.6        | 140.1       | 20.4        | 47.2        | 77.9        | 115.5       | <b>858.6</b>  |
| <b>2007</b>      | 80.6        | 111.6       | 74.4        | 1.4         | 136.8       | 78.7        | 103.2       | 108.9       | 47.6        | 50.9        | 62.8        | 94.5        | <b>951.4</b>  |
| <b>Moyenne :</b> | <b>72.8</b> | <b>72.1</b> | <b>73.8</b> | <b>59.8</b> | <b>78.1</b> | <b>65.2</b> | <b>86.3</b> | <b>79.8</b> | <b>55.6</b> | <b>79.7</b> | <b>85.4</b> | <b>94.2</b> | <b>947.4</b>  |



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| J/M  | Janvier | Février | Mars | Avril | Mai   | Juin | Juillet | Aout | Sept. | Oct. | Nov. | Déc. |
|------|---------|---------|------|-------|-------|------|---------|------|-------|------|------|------|
| 1    | 4.5     | 0.1     | 0    | 0.2   | 0     | 6.9  | 3.4     | 3.3  | 0     | 8.3  | 0    | 3.5  |
| 2    | 1.3     | 0       | 4.9  | 0     | 0     | 0    | 17.5    | 0.2  | 1.4   | 5.1  | 1.2  | 18.9 |
| 3    | 4.8     | 0       | 0.1  | 0     | 0     | 0    | 6.1     | 0    | 2.8   | 0    | 0    | 0.1  |
| 4    | 0.1     | 0.4     | 9.5  | 0     | 0.6   | 0.1  | 10.2    | 0    | 0.1   | 0.1  | 0    | 0.4  |
| 5    | 0.8     | 1       | 1.8  | 0.1   | 0     | 0    | 2.8     | 0    | 0.4   | 0.1  | 1.1  | 3    |
| 6    | 4.6     | 1.3     | 11.5 | 0     | 2.3   | 0    | 0       | 9.7  | 0.2   | 0.2  | 0    | 18.7 |
| 7    | 0.9     | 1.2     | 0    | 0     | 2.4   | 5.7  | 0.1     | 0    | 0.1   | 0.3  | 0    | 0.1  |
| 8    | 0.5     | 2.9     | 0.2  | 0.1   | 10.6  | 15.2 | 3.1     | 0.9  | 0.1   | 0.1  | 3.8  | 8.1  |
| 9    | 0.1     | 0       | 7.6  | 0.1   | 16.6  | 0.4  | 4.2     | 14   | 0     | 15.6 | 2.1  | 6    |
| 10   | 3.5     | 8.1     | 0.1  | 0     | 0.1   | 0.1  | 0       | 0    | 0.1   | 0.1  | 1.9  | 5.4  |
| 11   | 3.9     | 15.2    | 0.1  | 0.1   | 3     | 0    | 0.5     | 0    | 0.4   | 0.2  | 1.2  | 1.9  |
| 12   | 0.4     | 5.7     | 0.1  | 0     | 0     | 0.2  | 1.2     | 0.4  | 0     | 0    | 1.3  | 0.2  |
| 13   | 0.6     | 2.7     | 0.2  | 0     | 6.1   | 0.1  | 0.1     | 0.1  | 0     | 0.2  | 7.8  | 0.1  |
| 14   | 0.3     | 8.2     | 0.2  | 0     | 9.2   | 16.4 | 0       | 2.3  | 0.1   | 0.2  | 0    | 0    |
| 15   | 0.5     | 0.1     | 0.2  | 0.1   | 9.9   | 0    | 0       | 5    | 0     | 0    | 0.1  | 0    |
| 16   | 0.1     | 0       | 0.1  | 0     | 14.3  | 6.4  | 10.6    | 3.4  | 0     | 0.1  | 0.1  | 0.1  |
| 17   | 11.5    | 0       | 0.1  | 0     | 2.1   | 8.1  | 0       | 0.2  | 11.1  | 1.8  | 0.1  | 0    |
| 18   | 7.2     | 0.1     | 3.7  | 0.1   | 8.4   | 0    | 0       | 0    | 1.9   | 0.1  | 1.6  | 0    |
| 19   | 1.3     | 0       | 3.3  | 0.1   | 0     | 4.1  | 0       | 10.9 | 0     | 0    | 1.7  | 0.2  |
| 20   | 2.6     | 0.1     | 4.2  | 0     | 1.8   | 0.3  | 1.1     | 7    | 0     | 0.2  | 8.7  | 0.1  |
| 21   | 2.1     | 1.9     | 3.5  | 0.1   | 0.1   | 2.5  | 0.1     | 9.5  | 0     | 0.2  | 0.3  | 0.1  |
| 22   | 0.1     | 0.6     | 0.2  | 0     | 0     | 3.5  | 1.7     | 11.2 | 0.3   | 0.1  | 0.2  | 0    |
| 23   | 0       | 2       | 0.3  | 0     | 0     | 1.7  | 14.7    | 1.6  | 0     | 0.2  | 0.2  | 0    |
| 24   | 0.1     | 11.7    | 0.1  | 0     | 0     | 0.5  | 0.3     | 0.2  | 3.6   | 0.1  | 0.9  | 0.1  |
| 25   | 0       | 6.9     | 0    | 0     | 0.3   | 8.8  | 0       | 0.2  | 0.4   | 0    | 0    | 1.3  |
| 26   | 0.2     | 2       | 0.1  | 0.2   | 4.4   | 1.5  | 0.5     | 0.2  | 3.2   | 0    | 0.1  | 0.1  |
| 27   | 0.1     | 2.9     | 0.1  | 0     | 1.2   | 3.5  | 9.6     | 0    | 6.6   | 0    | 0    | 0    |
| 28   | 0.2     | 8.6     | 5.9  | 0.7   | 1.5   | 0    | 0.7     | 0    | 3.8   | 3.9  | 0.8  | 0.4  |
| 29   | 1.2     |         | 3.3  | 0     | 0     | 5    | 0.5     | 0.1  | 0.3   | 23.5 | 3.5  | 2.2  |
| 30   | 0.1     |         | 0    | 0     | 4.3   | 0    | 0       | 0    | 0     | 0.3  | 12.4 | 0    |
| 31   | 0.7     |         | 5.5  |       | 10.9  |      | 0.1     | 0    |       | 0    |      | 1.5  |
| Tot. | 54.3    | 83.7    | 66.9 | 1.9   | 110.1 | 91   | 89.1    | 80.4 | 36.9  | 61   | 51.1 | 72.5 |

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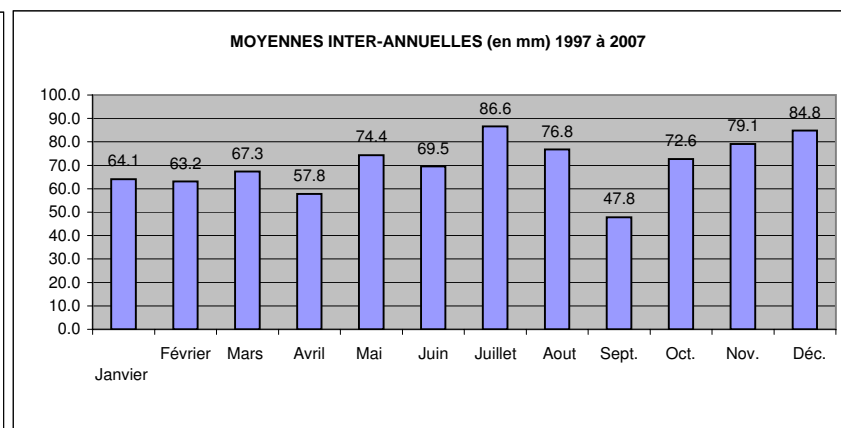
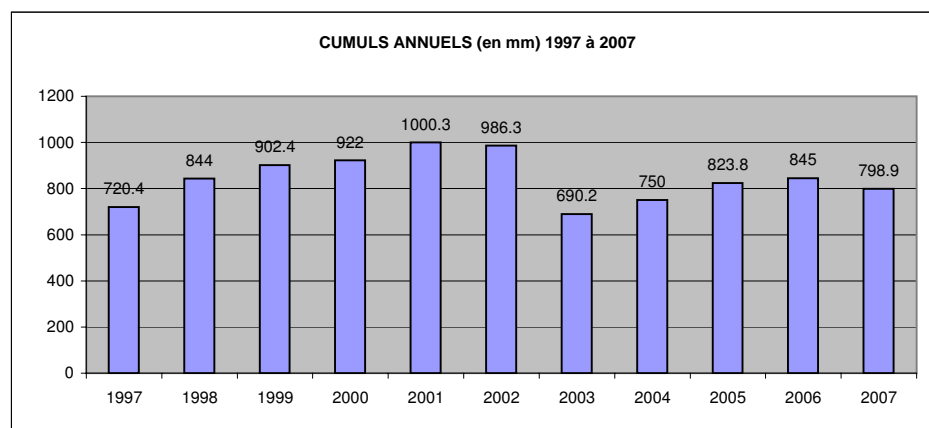
Codes

- \* Précipitations neigeuses
- E Précipitations estimées
- MQ Données manquantes
- Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)
- ( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte
- ) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### BEAUDIGNIES

|                  | Janvier     | Février     | Mars        | Avril       | Mai         | Juin        | Juillet     | Aout        | Sept.       | Oct.        | Nov.        | Déc.        | Total annuel  |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| <b>1997</b>      | 2.7         | 72.2        | 30.5        | 28.8        | 74          | 123.9       | 39.5        | 70.1        | 15.4        | 76.5        | 107.2       | 79.6        | <b>720.4</b>  |
| <b>1998</b>      | 62.3        | 14          | 62.3        | 119.4       | 25.9        | 125.4       | 46.5        | 38.3        | 94.4        | 119.3       | 74.6        | 61.6        | <b>844</b>    |
| <b>1999</b>      | 85.7        | 77.4        | 76.6        | 59.7        | 60.7        | 78.1        | 45          | 86.2        | 63.6        | 48.2        | 47.6        | 173.6       | <b>902.4</b>  |
| <b>2000</b>      | 42.3        | 61.7        | 78          | 65.5        | 97.4        | 45.9        | 139.4       | 44.6        | 47.7        | 124.5       | 101.8       | 73.2        | <b>922</b>    |
| <b>2001</b>      | 80.1        | 53.6        | 169.1       | 126.1       | 22          | 33.2        | 84.6        | 64          | 145.6       | 52.6        | 101.7       | 67.7        | <b>1000.3</b> |
| <b>2002</b>      | 80.7        | 141.2       | 72.8        | 31.5        | 83.9        | 67.6        | 92.3        | 78          | 16.9        | 72.8        | 139.1       | 109.5       | <b>986.3</b>  |
| <b>2003</b>      | 93.5        | 25.8        | 25.3        | 41.4        | 82.1        | 67.4        | 80.7        | 39          | 13.35       | 74.52       | 57.8        | 89.3        | <b>690.2</b>  |
| <b>2004</b>      | 141.9       | 28.1        | 42.2        | 40.5        | 51          | 45.6        | 73.8        | 125.4       | 43.2        | 54.6        | 41.7        | 62          | <b>750</b>    |
| <b>2005</b>      | 33.1        | 72          | 43.75       | 78.8        | 52.5        | 53          | 174.75      | 88.7        | 36.9        | 50.45       | 89.1        | 50.7        | <b>823.8</b>  |
| <b>2006</b>      | 28.7        | 65          | 72.7        | 42.2        | 158.4       | 33.8        | 86.9        | 130         | 11.3        | 64.5        | 58.2        | 93.3        | <b>845</b>    |
| <b>2007</b>      | 54.3        | 83.7        | 66.9        | 1.9         | 110.1       | 91          | 89.1        | 80.4        | 36.9        | 61          | 51.1        | 72.5        | <b>798.9</b>  |
| <b>Moyenne :</b> | <b>64.1</b> | <b>63.2</b> | <b>67.3</b> | <b>57.8</b> | <b>74.4</b> | <b>69.5</b> | <b>86.6</b> | <b>76.8</b> | <b>47.8</b> | <b>72.6</b> | <b>79.1</b> | <b>84.8</b> | <b>843.9</b>  |



[Retour au sommaire](#)



| J/M  | Janvier | Février | Mars | Avril | Mai   | Juin  | Juillet | Aout  | Sept. | Oct. | Nov. | Déc. |
|------|---------|---------|------|-------|-------|-------|---------|-------|-------|------|------|------|
| 1    | 4.9     | 0       | 0.4  | 1.5   | 0     | 6.6   | 6.4     | 4     | 0     | 17.8 | 0    | 4.9  |
| 2    | 2.1     | 0       | 6.9  | 0.1   | 0     | 0     | 12.2    | 1     | 0.5   | 0    | 0.7  | 17.6 |
| 3    | 1.7     | 0.1     | 0.1  | 0.1   | 0     | 0     | 8.4     | 0     | 2.4   | 0.1  | 0.1  | 0    |
| 4    | 4       | 0.1     | 7    | 0     | 1     | 0.1   | 14      | 0     | 0.3   | 0    | 0    | 1.2  |
| 5    | 3       | 0.6     | 1.8  | 0     | 0     | 0     | 3.6     | 0     | 1.7   | 0.2  | 1.1  | 5.3  |
| 6    | 8.2     | 2       | 15   | 0     | 3     | 0     | 0       | 10    | 0.5   | 0.2  | 0    | 21   |
| 7    | 1.8     | 2       | 5    | 0     | 5     | 0     | 0       | 0     | 0.1   | 0.1  | 0.4  | 0.7  |
| 8    | 1.6     | 7       | 0    | 0     | 12    | 8.9   | 7.9     | 1     | 0     | 0.1  | 10.1 | 10.6 |
| 9    | 0       | 0       | 6.3  | 0     | 23    | 2.2   | 1       | 17    | 0     | 13.5 | 2.1  | 8.2  |
| 10   | 1.3     | 10      | 0.1  | 0     | 0     | 0.1   | 0       | 0     | 0.2   | 0.3  | 1.6  | 7.7  |
| 11   | 3.2     | 20      | 0.1  | 0     | 3.2   | 0     | 2.7     | 0     | 0.3   | 0.2  | 2    | 1.1  |
| 12   | 0.3     | 7       | 2    | 0     | 0     | 0.1   | 1.4     | 0     | 0.1   | 0    | 1.5  | 0.2  |
| 13   | 0.5     | 3.2     | 0.1  | 0     | 2.2   | 0     | 0       | 0     | 0.1   | 0.1  | 9.1  | 0    |
| 14   | 0       | 12      | 0.1  | 0     | 5     | 26    | 0       | 8.9   | 0.1   | 0.3  | 0    | 0    |
| 15   | 0.2     | 1.5     | 0.1  | 0     | 10.2  | 3.6   | 0       | 1.5   | 0.1   | 0    | 0    | 0    |
| 16   | 0.1     | 0       | 0.1  | 0     | 14    | 4.7   | 7       | 1.5   | 0     | 0    | 0.1  | 0    |
| 17   | 20.5    | 0       | 1    | 0     | 3     | 7.5   | 0.1     | 0.4   | 8.9   | 3.9  | 0.2  | 0    |
| 18   | 8.9     | 0       | 4.9  | 0     | 42.4  | 5.6   | 0       | 0     | 1.5   | 0.1  | 1.9  | 0    |
| 19   | 1.7     | 0       | 3.1  | 0     | 0     | 4     | 0       | 18.2  | 0     | 0.1  | 3.6  | 0    |
| 20   | 3.3     | 0       | 3    | 0     | 0.8   | 0     | 5       | 11    | 0     | 0    | 11.4 | 0.2  |
| 21   | 0.7     | 1.5     | 5    | 0     | 0.1   | 4.5   | 0.1     | 18    | 0     | 0.4  | 0.5  | 0.1  |
| 22   | 0.2     | 0.8     | 3    | 0     | 0     | 7.3   | 1       | 10    | 0.2   | 0    | 0.2  | 0.1  |
| 23   | 0       | 2.2     | 1    | 0.1   | 0     | 7.5   | 16      | 1     | 0.1   | 0.2  | 0.1  | 0.1  |
| 24   | 0       | 9.5     | 1    | 0     | 1     | 0.3   | 0       | 0.2   | 5.6   | 0    | 1.2  | 0    |
| 25   | 0       | 10      | 0    | 0     | 3     | 8.1   | 0       | 0.2   | 0.4   | 0    | 0.2  | 0.8  |
| 26   | 0.2     | 4       | 0    | 0     | 3     | 2.8   | 1       | 0.5   | 2.4   | 0    | 1.4  | 0.5  |
| 27   | 0.1     | 7       | 0.1  | 0     | 0.7   | 4.6   | 8       | 0     | 6.8   | 0    | 0.6  | 0.1  |
| 28   | 0.7     | 11.4    | 0    | 0     | 1.4   | 0     | 1       | 0     | 3.4   | 3.7  | 0.8  | 2    |
| 29   | 0.4     |         | 4.1  | 0     | 0     | 7.8   | 2.5     | 0.1   | 7.9   | 22.7 | 4.4  | 3.4  |
| 30   | 0.1     |         | 0.1  | 0     | 7.2   | 0.1   | 0.3     | 0     | 0.1   | 0.5  | 16.8 | 0.2  |
| 31   | 0.5     |         | 6    |       | 13.2  |       | 0       | 0     |       | 0.1  |      | 0.1  |
| Tot. | 70.2    | 111.9   | 77.4 | 1.8   | 154.4 | 112.4 | 99.6    | 104.5 | 43.7  | 64.6 | 72.1 | 86.1 |

[Retour au sommaire](#)

#### Codes

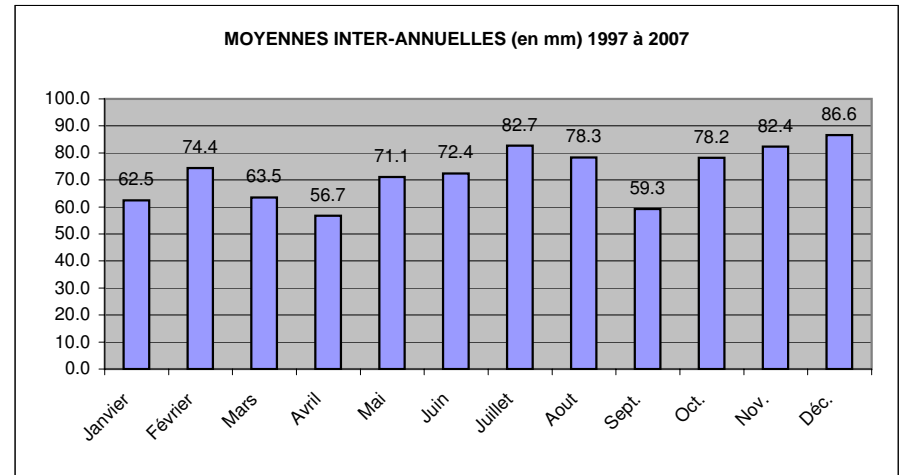
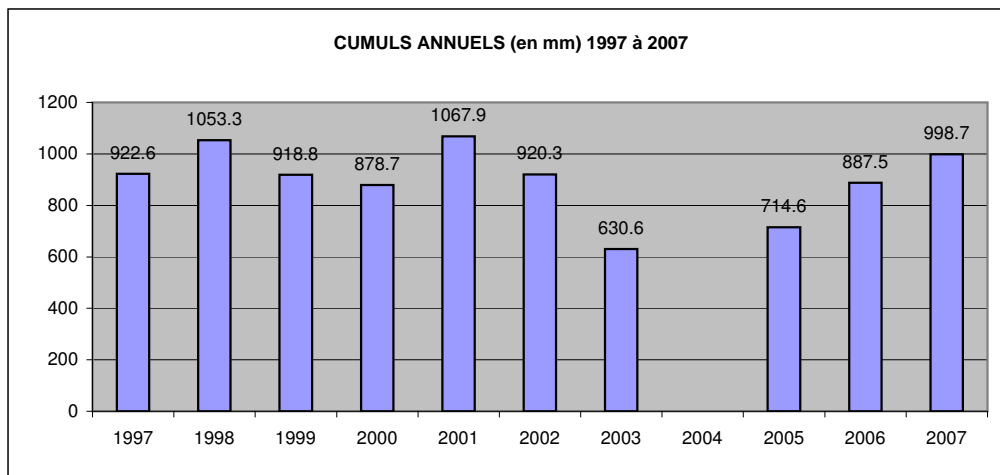
- \* Précipitations neigeuses
- E Précipitations estimées
- MQ Données manquantes
- Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)
- ( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte
- ) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### BERLAIMONT

|      | Janvier | Février | Mars  | Avril | Mai   | Juin  | Juillet | Aout  | Sept. | Oct.  | Nov.  | Déc.  | Total annuel |
|------|---------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|--------------|
| 1997 | 3.6     | 130.6   | 31.1  | 28.2  | 81    | 167.9 | 81.4    | 70.4  | 17.5  | 102   | 105.8 | 103.1 | 922.6        |
| 1998 | 80.1    | 19      | 71.9  | 140.6 | 40.6  | 150   | 83.4    | 38.2  | 109.3 | 169.1 | 78.9  | 72.2  | 1053.3       |
| 1999 | 97.6    | 88.2    | 77.7  | 70.3  | 63.8  | 100.4 | 31.5    | 51.2  | 92.2  | 48.7  | 45.2  | 152   | 918.8        |
| 2000 | 47.4    | 74.5    | 57.3  | 58.8  | 79.7  | 31.7  | 144.9   | 33    | 60.8  | 108.4 | 108.3 | 73.9  | 878.7        |
| 2001 | 108     | 60.5    | 152.1 | 140.3 | 14.8  | 30.5  | 110     | 76.5  | 161.7 | 64    | 91.4  | 58.1  | 1067.9       |
| 2002 | 99.4    | 150.3   | 59.8  | 24.8  | 60.7  | 42.5  | 71.5    | 76.1  | 18.5  | 79.1  | 127.5 | 110.1 | 920.3        |
| 2003 | 89.6    | 21      | 22.5  | 30    | 85    | 59    | 75      | 21    | 34    | 51    | 50.5  | 92    | 630.6        |
| 2004 | 23.8    | 10.5    | 22.5  | 29.4  | 8.3   |       | 10.3    | 132.3 | 64.6  | 58.5  | 61.7  | 62.5  |              |
| 2005 | 42.5    | 102     | 36    | 58    | 36.9  | 11.9  | 108.6   | 86    | 32.9  | 63    | 84    | 52.8  | 714.6        |
| 2006 | 25.3    | 49.4    | 90.3  | 42    | 157.4 | 17.9  | 93.4    | 172.5 | 17    | 51.8  | 80.5  | 90    | 887.5        |
| 2007 | 70.2    | 111.9   | 77.4  | 1.8   | 154.4 | 112.4 | 99.6    | 104.5 | 43.7  | 64.6  | 72.1  | 86.1  | 998.7        |

|                  |             |             |             |             |             |             |             |             |             |             |             |             |              |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| <b>Moyenne :</b> | <b>62.5</b> | <b>74.4</b> | <b>63.5</b> | <b>56.7</b> | <b>71.1</b> | <b>72.4</b> | <b>82.7</b> | <b>78.3</b> | <b>59.3</b> | <b>78.2</b> | <b>82.4</b> | <b>86.6</b> | <b>899.3</b> |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|



[Retour au sommaire](#)

| J/M  | Janvier | Février | Mars | Avril | Mai  | Juin  | Juillet | Aout | Sept. | Oct. | Nov. | Déc. |
|------|---------|---------|------|-------|------|-------|---------|------|-------|------|------|------|
| 1    | 7.3     | 0.1     | 0    | 0     | 0    | 0.2   | 10.2    | 0.1  | 0     | 14.4 | 0    | 5.8  |
| 2    | 1.3     | 0.1     | 8.9  | 0.1   | 0    | 0     | 4       | 0    | 0.9   | 8.7  | 0.4  | 9.1  |
| 3    | 1.3     | 0.2     | 0.2  | 0     | 0    | 0     | 1.8     | 0.1  | 0.2   | 0.8  | 0.2  | 0.1  |
| 4    | 1.5     | 0.1     | 6.9  | 0.1   | 0    | 0     | 3.5     | 0    | 0     | 0.1  | 0    | 0    |
| 5    | 0.4     | 2       | 3    | 0     | 0    | 0     | 3.2     | 0.1  | 0     | 0.2  | 1.8  | 0.7  |
| 6    | 7.5     | 1.7     | 4.9  | 0.2   | 0.9  | 0     | 0.1     | 3    | 0     | 0.1  | 0    | 14.7 |
| 7    | 3       | 0.1     | 0.1  | 0.1   | 1.4  | 46.7  | 0       | 3.2  | 0.1   | 0.2  | 0    | 0    |
| 8    | 0.3     | 0.9     | 1.7  | 0.1   | 8.3  | 0.1   | 0       | 1.3  | 0     | 0    | 4    | 4.9  |
| 9    | 0.6     | 3.9     | 0.1  | 0     | 4.7  | 1.3   | 17.8    | 2.1  | 0     | 15   | 0.5  | 7.7  |
| 10   | 1.9     | 12.5    | 0.2  | 0     | 1.1  | 0     | 0.1     | 0    | 0     | 0    | 0.1  | 15.6 |
| 11   | 0.5     | 4.6     | 0.1  | 0     | 10.7 | 0.2   | 0       | 0    | 0.7   | 0.1  | 8    | 1.6  |
| 12   | 0.2     | 6.5     | 0.1  | 0     | 0    | 0     | 0       | 0.2  | 0     | 0.3  | 0.1  | 0.1  |
| 13   | 0.2     | 12.9    | 0.1  | 0.1   | 3.3  | 0.9   | 0       | 0    | 0     | 0    | 10.8 | 0.1  |
| 14   | 0.3     | 1       | 0.1  | 0     | 1.2  | 7.5   | 0       | 5.2  | 0.1   | 0.1  | 1.5  | 0    |
| 15   | 0.1     | 0.1     | 0.1  | 0.1   | 3.8  | 0.1   | 4.4     | 0.6  | 0.1   | 0    | 0.3  | 0    |
| 16   | 0       | 0       | 0    | 0     | 8.1  | 13.4  | 19.4    | 0.4  | 0     | 2.5  | 0.3  | 0    |
| 17   | 0.3     | 0       | 1.3  | 0     | 0.6  | 18.2  | 0.1     | 1.6  | 0     | 0.7  | 0.1  | 0    |
| 18   | 0.5     | 0.1     | 6.4  | 0.1   | 3    | 0     | 0       | 1.4  | 3.6   | 0.2  | 1.9  | 0    |
| 19   | 0.7     | 0.1     | 14   | 0     | 0    | 19    | 27.4    | 55.6 | 0.5   | 0.1  | 0.6  | 0    |
| 20   | 0.3     | 3.4     | 9.9  | 0     | 4.7  | 0.4   | 11.4    | 2.2  | 0     | 0    | 13.5 | 0    |
| 21   | 14      | 0.5     | 3.7  | 0     | 11.1 | 3.2   | 5.1     | 9.7  | 0     | 0.4  | 0.4  | 0    |
| 22   | (       | 0.6     | 0.9  | 0     | 0.1  | 4.8   | 0.2     | 12.8 | 0.1   | 0    | 1.6  | 0    |
| 23   | .       | 4.6     | 0.8  | 0     | 0    | 0.1   | 44.6    | 1.1  | 0     | 0    | 0.3  | 0.3  |
| 24   | ) 18.00 | 4       | 0.1  | 0     | 0    | 6.3   | 0.1     | 0    | 3.1   | 0.1  | 3.7  | 0    |
| 25   | 1.2     | 8.1     | 0    | 0     | 0    | 10.8  | 0.1     | 0.1  | 5.2   | 0    | 0    | 2.9  |
| 26   | 1.3     | 2.9     | 0    | 0     | 0    | 0.1   | 0.1     | 0.1  | 13.7  | 0    | 0.1  | 0.1  |
| 27   | 3.1     | 9.1     | 0    | 0     | 3.7  | 0.6   | 0       | 0    | 7.3   | 0    | 0.2  | 0    |
| 28   | 0.2     | 8       | 0    | 0     | 1.6  | 0     | 0       | 0    | 5     | 6.2  | 0    | 3.2  |
| 29   | 0.4     |         | 0.7  | 0     | 0.1  | 1.9   | 0.5     | 0.1  | 9.7   | 1.9  | 4.4  | 1.1  |
| 30   | 0.3     |         | 0    | 0     | 9.1  | 1.1   | 1.4     | 0    | 3.2   | 0.1  | 3.9  | 0.5  |
| 31   | 0       |         | 0    |       | 6.8  |       | 0.2     | 0    |       | 0    |      | 0.4  |
| Tot. | 66.7    | 88.1    | 64.3 | 0.9   | 84.3 | 136.9 | 155.7   | 101  | 53.5  | 52.2 | 58.7 | 68.9 |

[Retour au sommaire](#)

Codes

\* Précipitations neigeuses

E Précipitations estimées

MQ Données manquantes

Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)

( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte

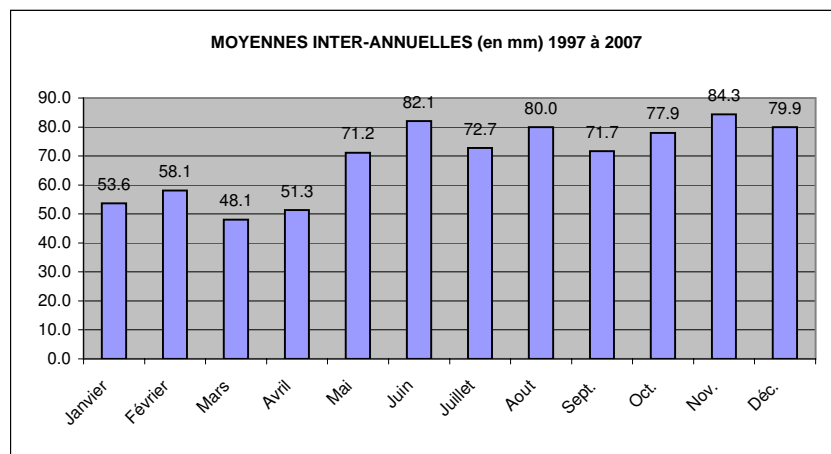
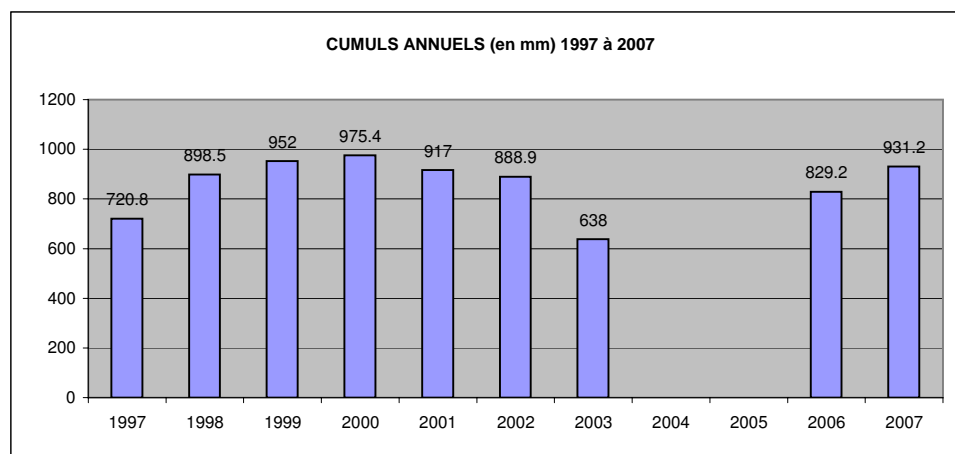
) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### BORRE

|      | Janvier | Février | Mars  | Avril | Mai   | Juin  | Juillet | Aout  | Sept. | Oct.  | Nov.  | Déc.  | Total annuel |
|------|---------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|--------------|
| 1997 | 7.1     | 51.2    | 21.5  | 17    | 89.6  | 131.1 | 39.5    | 103.1 | 3.2   | 77.8  | 115.2 | 64.5  | 720.8        |
| 1998 | 89.3    | 11.2    | 43.6  | 63.4  | 13.2  | 115.6 | 36.1    | 54    | 141.2 | 127.6 | 128.4 | 74.9  | 898.5        |
| 1999 | 85.7    | 57.2    | 44.3  | 78    | 48.6  | 81.9  | 9.6     | 112.3 | 150.4 | 82.9  | 44.6  | 156.5 | 952          |
| 2000 | 23.4    | 50.6    | 41.4  | 91.1  | 146.3 | 37.4  | 132.4   | 31.2  | 92.2  | 143.5 | 117.9 | 68    | 975.4        |
| 2001 | 93.9    | 60.2    | 108.5 | 97.2  | 32.5  | 40.9  | 103.6   | 70.5  | 140.4 | 53.9  | 81.4  | 34    | 917          |
| 2002 | 45.5    | 125.6   | 53.4  | 25.1  | 72.1  | 60.1  | 72.2    | 59.9  | 62.5  | 79.5  | 105.7 | 127.3 | 888.9        |
| 2003 | 71.4    | 6.4     | 32.3  | 52.9  | 77.6  | 77.4  | 55.8    | 55.2  | 21.4  | 79.1  | 53.2  | 55.3  | 638          |
| 2004 | 41.2    | 50.4    | 35.7  | 48    | 10.4  |       |         | 75.8  | 19.1  | 11.1  | 69.6  | 62.6  |              |
| 2005 | 42.9    | 72.2    | 33.7  | 66.7  |       |       |         |       |       | 71.5  | 82.3  | 64.9  |              |
| 2006 | 22.7    | 66.4    | 50.3  | 24.3  | 136.9 | 57.5  | 49.8    | 136.9 | 33.3  | 78.1  | 70.7  | 102.3 | 829.2        |
| 2007 | 66.7    | 88.1    | 64.3  | 0.9   | 84.3  | 136.9 | 155.7   | 101   | 53.5  | 52.2  | 58.7  | 68.9  | 931.2        |

|                  |             |             |             |             |             |             |             |             |             |             |             |             |              |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| <b>Moyenne :</b> | <b>53.6</b> | <b>58.1</b> | <b>48.1</b> | <b>51.3</b> | <b>71.2</b> | <b>82.1</b> | <b>72.7</b> | <b>80.0</b> | <b>71.7</b> | <b>77.9</b> | <b>84.3</b> | <b>79.9</b> | <b>861.2</b> |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|



[Retour au sommaire](#)



| J/M  | Janvier | Février | Mars | Avril | Mai   | Juin  | Juillet | Aout  | Sept. | Oct. | Nov. | Déc. |
|------|---------|---------|------|-------|-------|-------|---------|-------|-------|------|------|------|
| 1    | 4.1     | 0       | 0    | 0     | 0     | 0.5   | 10.8    | 0     | 0     | 14.8 | 0    | 2.4  |
| 2    | 1.3     | 0.2     | 9.3  | 0     | 0     | 0.3   | 8.7     | 0     | 0.8   | 5.4  | 0.7  | 9.8  |
| 3    | 4       | 0       | 0.1  | 0     | 0     | 0     | 8.2     | 0     | 0.2   | 0.3  | 0.3  | 0    |
| 4    | 0.2     | 0.2     | 5.3  | 0     | 0     | 0     | 2.9     | 0     | 0     | 0.2  | 0    | 0.2  |
| 5    | 0.6     | 1       | 3.3  | 0.1   | 0     | 0     | 3.8     | 0     | 0     | 0.1  | 1.6  | 1.2  |
| 6    | 5       | 3.4     | 7.3  | 0     | 1     | 0     | 0       | 3     | 0     | 0.1  | 0    | 13.4 |
| 7    | 1.1     | 0.1     | 0.1  | 0.1   | 0.8   | 31.3  | 0       | 0.15  | 0     | 0.2  | 0    | 0    |
| 8    | 1.5     | 9.7     | 0    | 0     | 10.6  | 0     | 0       | 0.7   | 0     | 0    | 2.6  | 5.1  |
| 9    | Tr.     | 0.2     | 2.6  | 0     | 3.9   | 2.8   | 3.4     | 1.9   | 0     | 16.7 | 0.4  | 6.7  |
| 10   | 1.5     | 11.9    | 0.1  | 0     | 1.3   | 0     | 0       | 0     | 0.3   | 0    | 0    | 15.1 |
| 11   | 1.95    | 5.8     | 0    | 0     | 17.8  | 0.1   | 0       | 0     | 0.5   | 0.1  | 6    | 4.1  |
| 12   | 1.5     | 3       | 0    | 0     | 0.1   | 0     | 0       | 0.2   | 0.1   | 0.3  | 0.2  | 0.1  |
| 13   | 0.4     | 6.4     | 0    | 0.1   | 4.9   | 0.5   | 0       | 0.2   | 0     | 0.1  | 8.1  | 0.1  |
| 14   | Tr.     | 7.8     | 0.1  | 0.1   | 0.7   | 12.4  | 0       | 2.8   | 0     | 0    | 0.2  | 0    |
| 15   | 0.4     | 0       | 0    | 0     | 3.8   | 0.2   | 11.7    | 1.5   | 0     | 0.1  | 0    | 0    |
| 16   | 1       | 0.4     | 0    | 0.1   | 9.7   | 13.3  | 12.5    | 0.7   | 0     | 2.3  | 0    | 0    |
| 17   | 10.3    | 0       | 0.4  | 0     | 0     | 20.1  | 0       | 3.2   | 1.9   | 0.5  | 0.1  | 0    |
| 18   | 4.5     | 0       | 4.3  | 0     | 0     | 0     | 0       | 0     | 4.4   | 0.1  | 1.6  | 0.1  |
| 19   | 0.9     | 0       | 13.7 | 0     | 0     | 19.4  | 22.8    | 44.1  | 0     | 0    | 0.5  | 0    |
| 20   | 4.45    | 1.3     | 13.2 | 0     | 5.5   | 0.2   | 2.6     | 4.2   | 0     | 0    | 10.6 | 0    |
| 21   | 10.3    | 1.2     | 3.4  | 0     | 0.4   | 2.9   | 4.1     | 9.2   | 0     | 0.2  | 0.3  | 0    |
| 22   | 0.2     | 0.5     | 0    | 0     | 0     | 3.6   | 0.1     | 3.3   | 0.1   | 0    | 0.8  | 0    |
| 23   | (.      | 2.3     | 0.3  | 0     | 0     | 0.1   | 55.5    | 0.2   | 0     | 0.1  | 0.1  | 0.1  |
| 24   | .       | 3.8     | 0.1  | 0     | 0     | 7.5   | 0.1     | 1.1   | 4     | 0    | 2.6  | 0.1  |
| 25   | ) 8.00  | 6       | 0    | 0     | 0     | 10.3  | 0       | 0.1   | 5.4   | 0    | 0.1  | 3    |
| 26   | 0.35    | 0.5     | 0    | 0     | 0     | 0     | 6       | 0     | 10.5  | 0    | 0    | 0.1  |
| 27   | 0.2     | 8.5     | 0    | 0.1   | 3.15  | 2.2   | 10.5    | 0     | 4.9   | 0    | 0.1  | 0    |
| 28   | 0.5     | 14.3    | 0    | 0     | 16.5  | 0     | 1.3     | 0     | 5.2   | 6.2  | 0    | 2.9  |
| 29   | 0.1     |         | 1.2  | 0     | 0     | 2.1   | 0.3     | 0     | 8.2   | 3.4  | 4.5  | 2.6  |
| 30   | 0       |         | 0.1  | 0     | 7.9   | 7.9   | 0       | 0     | 3.2   | 0    | 3.7  | 0    |
| 31   | 0.2     |         | 0    |       | 4.9   |       | 0       | 0     |       | 0    |      | 0.9  |
| Tot. | 64.55   | 88.5    | 64.9 | 0.6   | 92.95 | 137.7 | 165.3   | 76.55 | 49.7  | 51.2 | 45.1 | 68   |

[Retour au sommaire](#)

Codes

\* Précipitations neigeuses

E Précipitations estimées

MQ Données manquantes

Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)

( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte

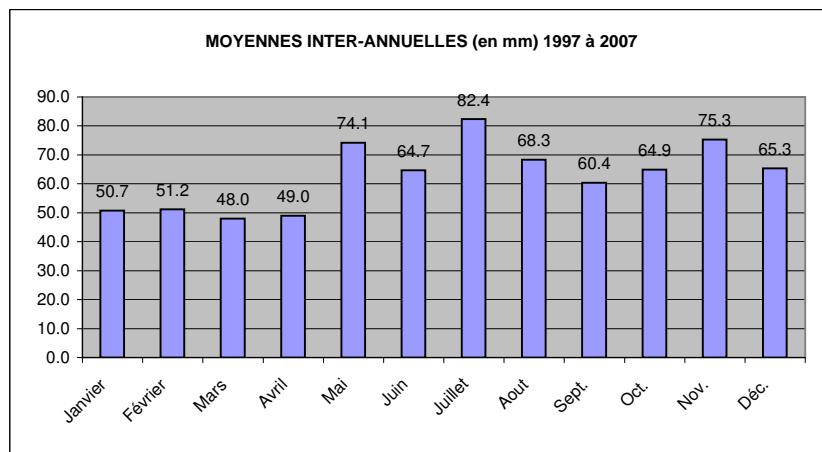
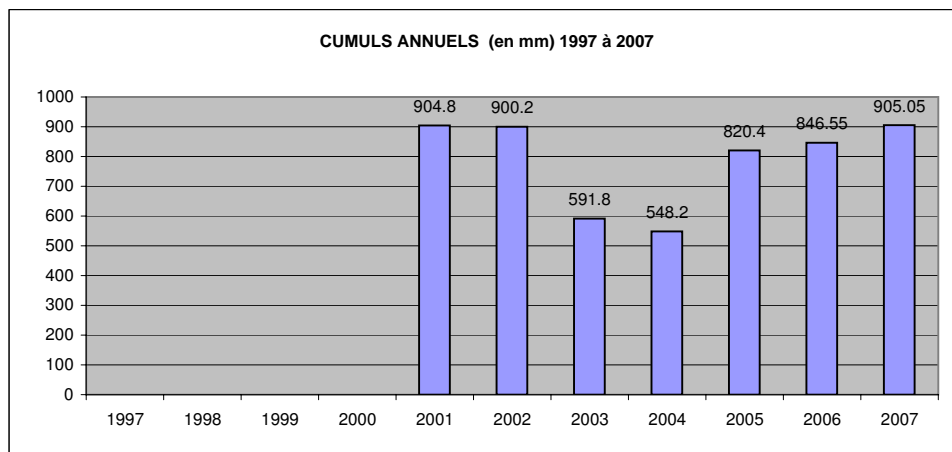
) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### DOULIEU

|      | Janvier | Février | Mars  | Avril | Mai   | Juin  | Juillet | Aout   | Sept. | Oct.  | Nov. | Déc.  | Total annuel |
|------|---------|---------|-------|-------|-------|-------|---------|--------|-------|-------|------|-------|--------------|
| 1997 | 3       | 37.2    | 13    | 10.2  | 62.6  | 70.4  | 28.4    | 48.6   | 1.8   | 49.8  | 78.6 |       |              |
| 1998 |         | 10      |       |       | 25.4  | 74.6  | 19.8    | 41.6   | 87.6  | 75.6  | 82.4 | 46.6  |              |
| 1999 |         |         |       |       |       |       |         |        |       |       |      |       |              |
| 2000 |         | 48.8    | 44.8  | 88.6  | 106.8 | 38.6  | 109     | 45.2   | 77.8  | 155.2 | 110  | 69    |              |
| 2001 | 67.2    | 50      | 109.8 | 116.2 | 35.8  | 33    | 74.6    | 83.2   | 172.6 | 47.6  | 77.6 | 37.2  | 904.8        |
| 2002 | 48.4    | 127.4   | 62.9  | 31.4  | 72.9  | 62.2  | 75.2    | 60.8   | 65.4  | 61.6  | 111  | 121   | 900.2        |
| 2003 | 73.6    | 10.8    | 29.6  | 42.4  | 77.2  | 90.6  | 55.2    | 42.8   | 19.4  | 60.2  | 47   | 43    | 591.8        |
| 2004 | 85.4    | 22.2    | 27.2  | 36.4  | 41    | 47.8  | 57.2    | 68.4   | 25.8  | 29.6  | 59.4 | 47.8  | 548.2        |
| 2005 | 40.2    | 59.4    | 25.6  | 80.8  | 95.4  | 19.6  | 169     | 87.6   | 73    | 42.8  | 82.8 | 44.2  | 820.4        |
| 2006 | 23.4    | 57.2    | 54.4  | 34.2  | 131.4 | 72.4  | 69.8    | 128.15 | 30.9  | 75.2  | 58.6 | 110.9 | 846.55       |
| 2007 | 64.55   | 88.5    | 64.9  | 0.6   | 92.95 | 137.7 | 165.3   | 76.55  | 49.7  | 51.2  | 45.1 | 68    | 905.05       |

|                  |             |             |             |             |             |             |             |             |             |             |             |             |              |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| <b>Moyenne :</b> | <b>50.7</b> | <b>51.2</b> | <b>48.0</b> | <b>49.0</b> | <b>74.1</b> | <b>64.7</b> | <b>82.4</b> | <b>68.3</b> | <b>60.4</b> | <b>64.9</b> | <b>75.3</b> | <b>65.3</b> | <b>788.1</b> |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|



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| J/M  | Janvier | Février | Mars | Avril | Mai   | Juin  | Juillet  | Aout | Sept. | Oct.    | Nov. | Déc. |
|------|---------|---------|------|-------|-------|-------|----------|------|-------|---------|------|------|
| 1    | 3.5     | 0.2     | 0.4  | 0.4   | 0     | 5     | 3.1      | 7.7  | 0     | E 10.00 | 0    | 1.8  |
| 2    | 2.6     | 0       | 5.5  | 0     | 0     | 0     | 13.4     | 0    | 0.6   | 0.2     | 0.7  | 25   |
| 3    | 1.3     | 0       | 0.2  | 0     | 0     | 0.1   | 11.1     | 0.2  | 4     | 0.1     | 0.3  | 0.7  |
| 4    | 1.2     | 0.3     | 7.5  | 0     | 0     | 0.1   | 8.5      | 0.3  | 0.3   | E 0.10  | 0    | 1    |
| 5    | 2.7     | 1       | 2.6  | 0.1   | 0     | 0     | 2.1      | 0    | 1.1   | 0.2     | 0.7  | 7.1  |
| 6    | 7.9     | 2       | 22.4 | 0     | 1.6   | 0     | 0        | 5.6  | 0.5   | 0.3     | 0.9  | 25.9 |
| 7    | 3.6     | 0.9     | 0    | 0.1   | 13.6  | 0     | 0.1      | 0    | 0.1   | 0.3     | 0.2  | 0.4  |
| 8    | 1.1     | 4       | 0.2  | 0.1   | 11.8  | 2.1   | E 6.00   | 3.1  | 0.1   | 0.1     | 10.8 | 8.5  |
| 9    | 0.4     | 0.3     | 5.6  | 0.1   | 14    | 3.3   | E 1.50   | 16.8 | 0     | 14.3    | 1.7  | 9.7  |
| 10   | 3.2     | 9.1     | 0.2  | 0.2   | 1.2   | 28.4  | 0.1      | 0.1  | 0.7   | 0.1     | 3    | 5    |
| 11   | 5.5     | 17.4    | 0.1  | 0     | 4     | 0     | E 4.00   | 0.1  | 0.3   | 0.2     | 3.9  | 0.9  |
| 12   | 0.1     | 6.3     | 0.1  | 0.1   | 1.4   | 0.1   | E 1.00   | 1.4  | 0.1   | 0       | 1.5  | 0.3  |
| 13   | 0.2     | 2.4     | 0.2  | 0.1   | 4.1   | 0     | 0.1      | 0.2  | 0.3   | 0.4     | 6.5  | 0    |
| 14   | 0       | 8.5     | 0.1  | 0.1   | 6.2   | 18.2  | E 0.40   | 4.7  | 0     | 0.3     | 0    | 0    |
| 15   | 0.2     | 0.3     | 0    | 0.1   | 7.2   | 1.7   | 0        | 5    | 0.3   | 0.1     | 0.1  | 0    |
| 16   | 1.6     | 0       | 0.2  | 0.1   | 14.4  | 14.2  | E 8.00   | 0.3  | 0.1   | 0       | 0.2  | 0.1  |
| 17   | 18.1    | 0       | 0.3  | 0.1   | 0.8   | 9.4   | E 0.10   | 0.1  | 6.1   | 2.3     | 0.2  | 0    |
| 18   | 10.9    | 0       | 5.7  | 0.1   | 7.6   | 0.2   | E 0.10   | 0    | 4     | 0.1     | 1.7  | 0    |
| 19   | 0.9     | 0       | 0.8  | 0     | 0     | 9.9   | 0.1      | 6.9  | 0     | 0.2     | 3.5  | 0.1  |
| 20   | 3.6     | 0       | 7.2  | 0     | 3.7   | 0     | E 5.00   | 6.9  | 0     | 0.1     | 7.1  | 0.1  |
| 21   | 0       | 1.7     | 8.2  | 0.1   | 0.1   | 0.2   | 0        | 22.6 | 0.2   | 0.3     | 0.4  | 0.1  |
| 22   | 0       | 0.2     | 0.2  | 0     | 0     | 6.6   | E 1.40   | 10.6 | 0.2   | 0       | 0    | 0    |
| 23   | 0       | 5.6     | 0.9  | 0.1   | 0.1   | 4.4   | E 16.00  | 3.8  | 0.1   | 0.2     | 0.4  | 0.1  |
| 24   | 0       | 13.9    | 0.5  | 0     | 0     | 2.5   | 0        | 0.1  | 2.2   | 0.2     | 1.7  | 0    |
| 25   | 0       | 6.9     | 0.1  | 0     | 5.6   | 8.5   | 0        | 0.2  | 1.8   | 0       | 0.8  | 2.1  |
| 26   | 0.7     | 2.8     | 0    | 0.1   | 3.1   | 3.7   | 0        | 0.1  | 5     | 0       | 2.9  | 0.5  |
| 27   | 0.3     | 5.9     | 0    | 0     | 0.7   | 4     | E 4.50   | 0.2  | 1.2   | 0       | 0.3  | 0    |
| 28   | 1       | 12.5    | 0.2  | 0.2   | 1.6   | 0     | E 1.00   | 0    | 0.6   | 2.4     | 0.5  | 0.8  |
| 29   | 0.3     |         | 4.7  | 0.1   | 0.2   | 3.5   | E 4.00   | 0.1  | 0.2   | 20.3    | 3.7  | 2.8  |
| 30   | 0       |         | 0.4  | 0     | 3.6   | 0     | 0        | 0    | 0.2   | 3.9     | 16.6 | 0.3  |
| 31   | 0.4     |         | 4.9  |       | 12.2  |       | 16.1     | 0    |       | 0.1     |      | 0    |
| Tot. | 71.3    | 102.2   | 79.4 | 2.3   | 118.8 | 126.1 | E 107.70 | 97.1 | 30.3  | E 56.80 | 70.3 | 93.3 |

[Retour au sommaire](#)

Codes

\* Précipitations neigeuses

E Précipitations estimées

MQ Données manquantes

Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)

( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte

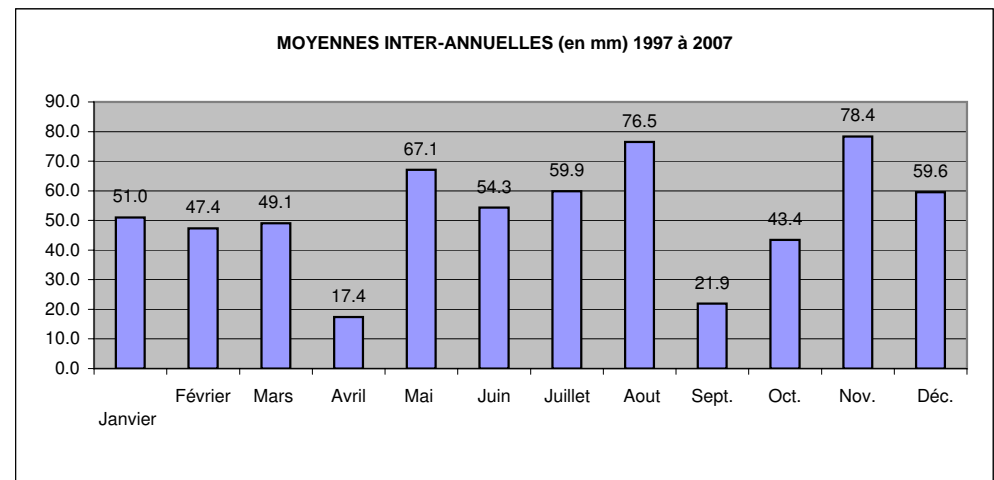
) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### EPPE SAUVAGE

|      | Janvier | Février | Mars | Avril | Mai   | Juin  | Juillet | Aout  | Sept. | Oct. | Nov.  | Déc. | Total annuel |
|------|---------|---------|------|-------|-------|-------|---------|-------|-------|------|-------|------|--------------|
| 1997 |         | 83.2    | 27.5 | 20.1  | 110.8 |       | 49.2    | 55.5  | 13.2  |      | 95.9  | 77.3 |              |
| 1998 | 81.7    | 10.1    |      |       | 34.2  |       |         |       |       |      |       | 54.5 |              |
| 1999 | 90.8    |         |      |       | 46    | 88.4  | 43.9    | 78.2  |       |      | 41.8  |      |              |
| 2000 |         | 88.1    | 70.5 |       |       |       |         |       |       |      |       |      |              |
| 2001 |         |         |      |       |       |       |         | 59.7  |       |      |       |      |              |
| 2002 |         |         |      |       |       |       | 65      | 125.2 | 31    | 85.6 | 151.6 |      |              |
| 2003 |         | 5.8     | 33.2 | 9     | 84.4  |       | 84.4    | 21.6  |       |      |       | 13   |              |
| 2004 | 32      |         | 19.6 | 14.6  | 8.4   | 18.8  | 33.6    | 58.6  | 19.8  | 12.2 |       |      |              |
| 2005 | 6       | 3.4     |      |       |       | 30.6  |         |       |       | 24   | 56    | 29.2 |              |
| 2006 | 24.4    | 38.8    | 64.2 | 41    |       | 7.6   | 35.2    | 116.2 | 15.4  | 38.5 | 54.55 | 90.1 |              |
| 2007 | 71.3    | 102.2   | 79.4 | 2.3   | 118.8 | 126.1 | 107.7   | 97.1  | 30.3  | 56.8 | 70.3  | 93.3 | 955.6        |

|                  |             |             |             |             |             |             |             |             |             |             |             |             |              |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| <b>Moyenne :</b> | <b>51.0</b> | <b>47.4</b> | <b>49.1</b> | <b>17.4</b> | <b>67.1</b> | <b>54.3</b> | <b>59.9</b> | <b>76.5</b> | <b>21.9</b> | <b>43.4</b> | <b>78.4</b> | <b>59.6</b> | <b>955.6</b> |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|



[Retour au sommaire](#)



| J/M  | Janvier | Février | Mars | Avril | Mai   | Juin  | Juillet  | Aout | Sept. | Oct. | Nov. | Déc.  |
|------|---------|---------|------|-------|-------|-------|----------|------|-------|------|------|-------|
| 1    | 3.3     | 0.1     | 0.8  | 0.1   | 0     | 4     | 4.1      | 5.2  | 0     | 5    | 0    | 5.6   |
| 2    | 1       | 0       | 8.1  | 0     | 0     | 0     | 9.8      | 1.9  | 6.3   | 0.2  | 0.4  | 16.2  |
| 3    | 2.2     | 0       | 0.7  | 0     | 0     | 0     | 12.9     | 0    | 5.8   | 6.9  | 0.4  | 0.3   |
| 4    | 0.1     | 0       | 6.5  | 0     | 0     | 0     | 11.2     | 0    | 0.8   | 0.1  | 0    | 1.3   |
| 5    | 5.8     | 0.2     | 1.8  | 0     | 0     | 0     | 3.8      | 0    | 1.1   | 0.1  | 0.6  | 7.8   |
| 6    | 4.9     | 2.9     | 29.1 | 0     | 1.8   | 0     | 0        | 8.4  | 0.4   | 0.1  | 0    | 30.4  |
| 7    | 4       | 2.6     | 0    | 0     | 4.1   | 0     | 0        | 0    | 0.1   | 0    | 0    | 1.3   |
| 8    | 6.9     | 4.5     | 0    | 0     | 16    | 11    | 6.6      | 3.1  | 0     | 0.1  | 9.5  | 14.7  |
| 9    | 0.4     | 0       | 5    | 0     | 17.8  | 0     | 7.8      | 9.8  | 0     | 15.9 | 1.4  | 10.9  |
| 10   | 2.3     | 12.3    | 0    | 0     | 0.8   | 0     | 7.1      | 0    | 0.5   | 0    | 3.2  | 4.1   |
| 11   | 6.8     | 17.9    | 0    | 0     | 7.7   | 0     | 6.5      | 0.1  | 0     | 0.1  | 3.5  | 1.7   |
| 12   | 0.4     | 11      | 0    | 0     | 0.3   | 0     | 1.1      | 0.1  | 0     | 0.1  | 0.7  | 0.2   |
| 13   | 0.4     | 3       | 0    | 0     | 1.6   | 0     | 0        | 0    | 0     | 0.1  | 7.5  | 0     |
| 14   | 1       | 12.3    | 0    | 0     | 1.8   | 26.5  | 0.8      | 6.1  | 0     | 0.1  | 0    | 0     |
| 15   | 0.3     | 0       | 0    | 0     | 8.6   | 1.7   | 0        | 10.6 | 0     | 0    | 0.1  | 0     |
| 16   | 0.7     | 0       | 0    | 0     | 15.3  | 13.2  | 12.7     | 3.1  | 0     | 0    | 0.1  | 0     |
| 17   | 27.9    | 0       | 0.2  | 0     | 2.3   | 7.4   | 0        | 0    | 5.4   | 2.9  | 0.1  | 0     |
| 18   | 15.9    | 0       | 11.4 | 0     | 7.4   | 2.3   | 0        | 0    | 2.5   | 0.1  | 2.7  | 0.1   |
| 19   | 2.3     | 0       | 2    | 0     | 0     | 9.8   | 0.6      | 13.4 | 0     | 0    | 7.4  | 0     |
| 20   | 3.4     | 0       | 3.7  | 0     | 3.7   | 0     | 6        | 5.9  | 0     | 0.1  | 12.7 | 0     |
| 21   | 0       | 0.7     | 7    | 0     | 0     | 0.2   | 0        | 15.5 | 0     | 0.2  | 0.5  | 0.1   |
| 22   | 0.5     | 0.5     | 0.1  | 0     | 0     | 11.3  | 0.5      | 4    | 0     | 0    | 0    | 0     |
| 23   | 0       | 7.8     | 0.7  | 0     | 0     | 3.8   | 12       | 2    | 0     | 0.1  | 0.1  | 0.4   |
| 24   | 0       | 15.8    | 0    | 0     | 0     | 1.2   | 0        | 0.1  | 3.2   | 0    | 1.3  | 0     |
| 25   | 0       | 6.1     | 0    | 0     | 7.6   | 9.8   | 0        | 0.1  | 2.8   | 0    | 0.1  | 2.2   |
| 26   | 1.3     | 2.4     | 0    | 0     | 2.3   | 1.6   | 0        | 0    | 5     | 0    | 1.4  | 0.4   |
| 27   | 0.1     | 4.8     | 0    | 0     | 1.9   | 1.7   | 5.1      | 0    | 9.1   | 0    | 0.5  | 0     |
| 28   | 1.1     | 15.4    | 0    | 0     | 2.3   | 1     | 4.7      | 0    | 1.3   | 1.5  | 0.3  | 2.2   |
| 29   | 0       |         | 6    | 0     | 0.3   | 5.4   | 2        | 0    | 1.6   | 21.5 | 3.3  | 9     |
| 30   | 0       |         | 2.1  | 0     | 3.7   | 0.3   | 0        | 0    | 0.2   | 2.6  | 16.8 | 0     |
| 31   | 0.1     |         | 3.8  |       | 11.4  |       | E 0.30   | 0    |       | 0.1  |      | 0     |
| Tot. | 93.1    | 120.3   | 89   | 0.1   | 118.7 | 112.2 | E 115.60 | 89.4 | 46.1  | 57.9 | 74.6 | 108.9 |

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Codes

\* Précipitations neigeuses

E Précipitations estimées

MQ Données manquantes

Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)

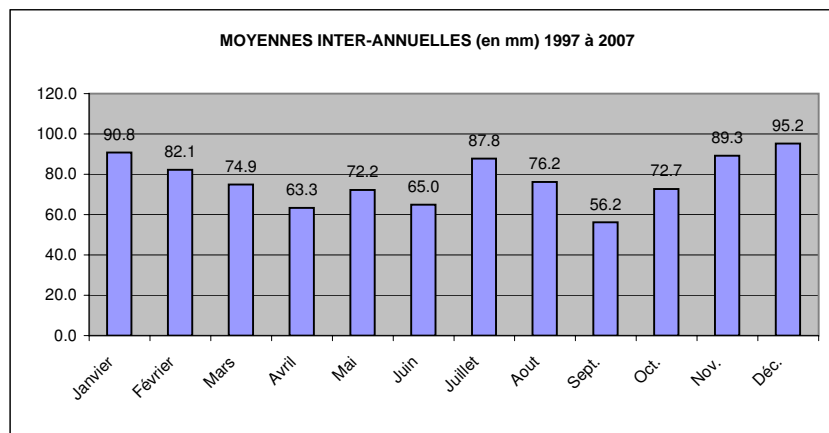
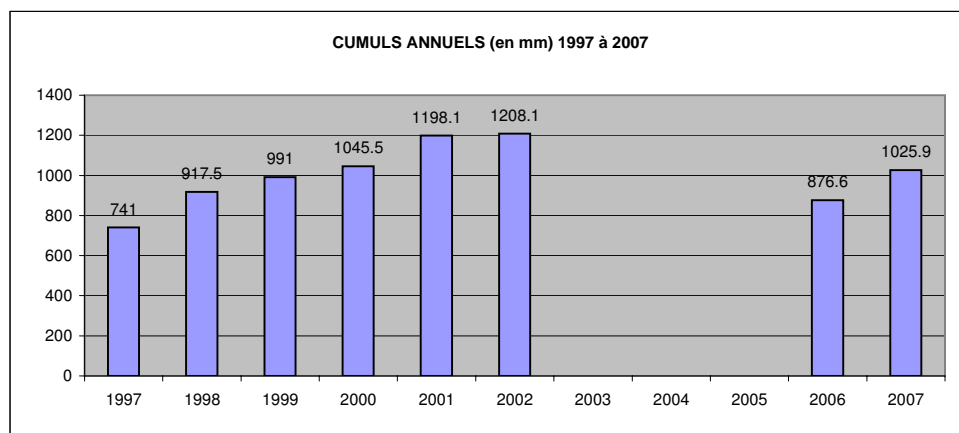
( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte

) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### FOURMIES

|                  | Janvier     | Février     | Mars        | Avril       | Mai         | Juin        | Juillet     | Aout        | Sept.       | Oct.        | Nov.        | Déc.        | Total annuel  |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| <b>1997</b>      | 2.7         | 107.6       | 31.6        | 19.5        | 107.9       | 108.2       | 57          | 46          | 11.7        | 82.6        | 98.2        | 68          | <b>741</b>    |
| <b>1998</b>      | 117.6       | 8.6         | 46.6        | 158         | 47.4        | 88          | 61.7        | 24.8        | 67.7        | 165.9       | 68.9        | 62.3        | <b>917.5</b>  |
| <b>1999</b>      | 102.7       | 90.8        | 85.7        | 85.2        | 36.8        | 104.8       | 72.4        | 52.7        | 66.3        | 52.3        | 46.3        | 195         | <b>991</b>    |
| <b>2000</b>      | 64.1        | 91.4        | 64.5        | 57.9        | 64.7        | 23.7        | 184.3       | 67.7        | 68.9        | 119.2       | 144.8       | 94.3        | <b>1045.5</b> |
| <b>2001</b>      | 149.2       | 67.2        | 169.2       | 131.8       | 19.7        | 35.6        | 106.8       | 78.7        | 192.4       | 63.6        | 117.7       | 66.2        | <b>1198.1</b> |
| <b>2002</b>      | 88.2        | 187.5       | 88.9        | 36          | 73.5        | 67.5        | 85.8        | 136.3       | 40.7        | 83.2        | 174.7       | 145.8       | <b>1208.1</b> |
| <b>2003</b>      | 161         | 22.8        | 37.1        | 57.8        | 85.6        |             | 95.4        | 29.8        | 15.8        | 60.8        | 62.3        | 84.1        |               |
| <b>2004</b>      | 154.5       | 38          | 76.1        | 26.3        | 21.8        | 36          | 38.1        | 73.6        |             |             | 31.9        | 55.4        |               |
| <b>2005</b>      | 36.6        | 91.9        | 30.3        | 72.4        | 44.9        |             | 94.5        | 99.3        | 35.2        | 15.9        | 83.2        | 51.6        |               |
| <b>2006</b>      | 29.1        | 77.5        | 104.9       | 51.7        | 173         | 8.9         | 53.9        | 139.7       | 17          | 25.5        | 79.3        | 116.1       | <b>876.6</b>  |
| <b>2007</b>      | 93.1        | 120.3       | 89          | 0.1         | 118.7       | 112.2       | 115.6       | 89.4        | 46.1        | 57.9        | 74.6        | 108.9       | <b>1025.9</b> |
| <b>Moyenne :</b> | <b>90.8</b> | <b>82.1</b> | <b>74.9</b> | <b>63.3</b> | <b>72.2</b> | <b>65.0</b> | <b>87.8</b> | <b>76.2</b> | <b>56.2</b> | <b>72.7</b> | <b>89.3</b> | <b>95.2</b> | <b>1000.5</b> |



[Retour au sommaire](#)

| J/M  | Janvier | Février | Mars | Avril | Mai   | Juin  | Juillet | Aout | Sept.   | Oct. | Nov. | Déc. |
|------|---------|---------|------|-------|-------|-------|---------|------|---------|------|------|------|
| 1    | 4.8     | 0       | 1    | 0.1   | 0     | 6.8   | 4.9     | 4.8  | 0.1     | 17.4 | 0    | 3.5  |
| 2    | 1.9     | 0       | 9.9  | 0     | 0     | 0.1   | 12.8    | 0    | 0.3     | 0    | 0.6  | 18.5 |
| 3    | 2.7     | 0       | 0.2  | 0     | 0.1   | 0     | 9.4     | 0.1  | 3.2     | 0.2  | 0    | 0.1  |
| 4    | 2       | 0.2     | 7    | 0     | 0.4   | 0.1   | 3.2     | 0.2  | 0.8     | 0.1  | 0    | 0.9  |
| 5    | 2.6     | 1.3     | 2.3  | 0.1   | 0.1   | 0     | 3.4     | 0    | 0.6     | 0    | 0.8  | 3.6  |
| 6    | 6.6     | 2.4     | 13   | 0     | 3.5   | 0     | 0       | 9.6  | 0.4     | 0    | 0    | 26.6 |
| 7    | 1.4     | 0.6     | 0.2  | 0.1   | 6     | 0.2   | 0.1     | 0    | 0.1     | 0.1  | 0.2  | 0    |
| 8    | 0.6     | 4.1     | 0.2  | 0.1   | 12.9  | 20    | 8.7     | 1.2  | 0.1     | 0.1  | 10.4 | 7.4  |
| 9    | 0       | 0       | 8.3  | 0.1   | 14.5  | 1.5   | 4.4     | 13.5 | 0       | 14.7 | 2.5  | 6.6  |
| 10   | 2       | 8.5     | 0.1  | 0.2   | 0.1   | 0.2   | 0.2     | 0    | 0.1     | 0    | 2.9  | 9.3  |
| 11   | 3.7     | 18.6    | 0.1  | 0     | 3.3   | 0     | 3.2     | 0.1  | 0.4     | 0.2  | 2.8  | 1.3  |
| 12   | 0.4     | 6.7     | 0.1  | 0.2   | 1     | 0.2   | 1.9     | 0.1  | 0.3     | 0    | 3.6  | 0.2  |
| 13   | 0.6     | 3       | 0.2  | 0     | 1.9   | 0     | 0.1     | 0.1  | 0.2     | 0    | 10.8 | 0    |
| 14   | 0.1     | 8.5     | 0.1  | 0.2   | 1.9   | 25.7  | 0       | 5.4  | 0.2     | 0    | 0    | 0    |
| 15   | 0.2     | 0.1     | 0.2  | 0.1   | 9.4   | 3.1   | 0.1     | 3.1  | 0.1     | 0.1  | 0.1  | 0    |
| 16   | 0       | 0       | 0.2  | 0     | 15.4  | 5.6   | 7.9     | 3.8  | 0.3     | 0    | 0.2  | 0.1  |
| 17   | 19.1    | 0.1     | 0.3  | 0.1   | 2.2   | 6.6   | 0.1     | 0.1  | E 8.00  | 3.7  | 0.1  | 0    |
| 18   | 10.1    | 0       | 6.2  | 0.1   | 23.1  | 4.5   | 0.1     | 0    | 7.2     | 0    | 1.6  | 0    |
| 19   | 1.2     | 0       | 4.6  | 0.1   | 0.1   | 4.9   | 0       | 20.8 | E 0.00  | 0.1  | 3.9  | 0    |
| 20   | 3.1     | 0.2     | 4    | 0.1   | 0.5   | 0.1   | 2.9     | 10.5 | 0.5     | 0.2  | 10.8 | 0.1  |
| 21   | 1.1     | 1.4     | 7.1  | 0.1   | 0.2   | 5.8   | 0.1     | 4.8  | 0.3     | 0.3  | 0.6  | 0    |
| 22   | 0.2     | 0.7     | 2    | 0.1   | 0.1   | 5.4   | 1.5     | 16.2 | 0.2     | 0    | 0.2  | 0.1  |
| 23   | 0       | 2.1     | 0.7  | 0     | 0.1   | 2.6   | 17.1    | 3.1  | 0.3     | 0.2  | 0    | 0    |
| 24   | 0.1     | 9.4     | 0.5  | 0     | 0     | 0.4   | 0.1     | 0.3  | E 5.00  | 0.1  | 1.8  | 0.1  |
| 25   | 0       | 8.1     | 0    | 0     | 3.3   | 18    | 0       | 0.2  | 0.5     | 0    | 0    | 0.5  |
| 26   | 0.2     | 3.9     | 0.2  | 0.1   | 2.8   | 2.8   | 0.7     | 0.3  | E 2.50  | 0    | 0.4  | 0.3  |
| 27   | 0.2     | 5.5     | 0.1  | 0     | 0.9   | 6.7   | 4.4     | 0.1  | E 7.00  | 0    | 0.4  | 0.1  |
| 28   | 1.4     | 9.4     | 0    | 0.1   | 2.6   | 0     | 0.7     | 0    | 3.9     | 3.9  | 0.6  | 0.6  |
| 29   | 0.7     |         | 4.9  | 0     | 0.1   | 6     | 1.5     | 0.1  | 2.1     | 19   | 4.4  | 1.4  |
| 30   | 0.1     |         | 0.3  | 0     | 6     | 0.3   | 0.2     | 0    | 1.3     | 0.2  | 15.9 | 0.1  |
| 31   | 0.5     |         | 4.6  |       | 10.3  |       | 0.1     | 0    |         | 0    |      | 2.6  |
| Tot. | 67.6    | 94.8    | 78.6 | 2     | 122.8 | 127.6 | 89.8    | 98.5 | E 46.00 | 60.6 | 75.6 | 84   |

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Codes

\* Précipitations neigeuses

E Précipitations estimées

MQ Données manquantes

Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)

( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte

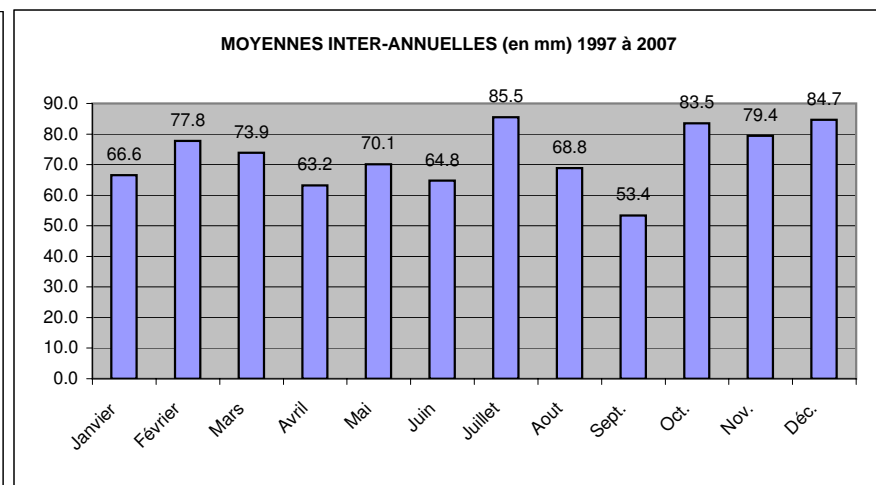
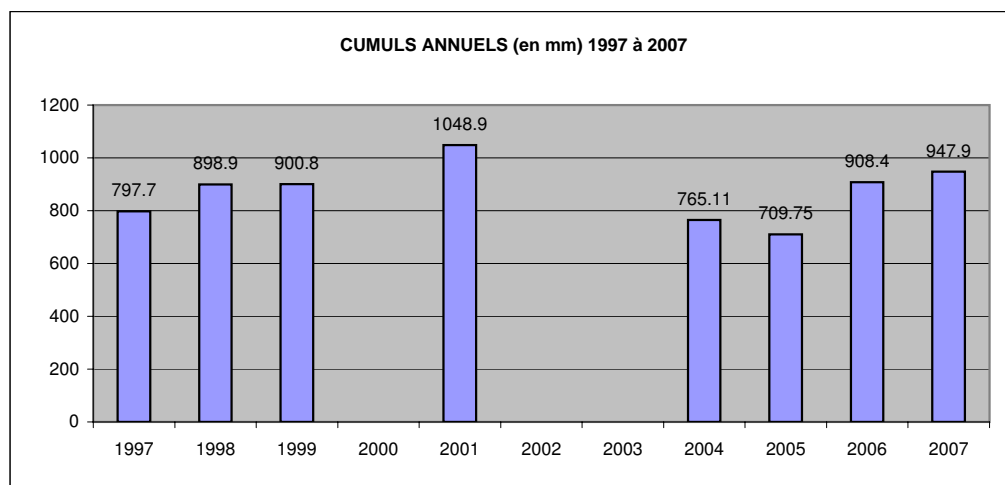
) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### HACHETTE

|             | Janvier | Février | Mars | Avril | Mai   | Juin  | Juillet | Aout  | Sept. | Oct.  | Nov.  | Déc.  | Total annuel  |
|-------------|---------|---------|------|-------|-------|-------|---------|-------|-------|-------|-------|-------|---------------|
| <b>1997</b> | 5.1     | 117     | 36.6 | 28.7  | 86.6  | 123.1 | 75      | 49.8  | 14.2  | 82.7  | 98.2  | 80.7  | <b>797.7</b>  |
| <b>1998</b> | 66.3    | 11.5    | 60.6 | 123.3 | 40.5  | 110   | 69.6    | 28.1  | 87.5  | 158.2 | 76.9  | 66.4  | <b>898.9</b>  |
| <b>1999</b> | 90      | 88      | 86.2 | 79.3  | 49.1  | 64    | 35      | 52.4  | 73.5  | 49.9  | 51.7  | 181.7 | <b>900.8</b>  |
| <b>2000</b> | 54      | 72      | 68   | 64.5  | 87.5  | 40.6  | 182.5   | 52.9  |       | 115.1 | 124   | 65.6  |               |
| <b>2001</b> | 106     | 56.2    | 154  | 163.2 | 19.1  | 39.1  | 94.5    | 60.7  | 144.6 | 54.3  | 103.3 | 53.9  | <b>1048.9</b> |
| <b>2002</b> | 89.3    | 145.1   | 67.2 | 22    | 60.6  | 52.3  | 57.7    | 86.1  | 14.7  |       |       |       |               |
| <b>2003</b> |         |         |      |       |       |       |         | 0.76  | 37.9  |       |       |       |               |
| <b>2004</b> | 97      | 26      | 55.5 | 32    | 27.8  | 38.5  | 68      | 126.5 | 55    | 132.6 | 40.11 | 66.1  | <b>765.11</b> |
| <b>2005</b> | 55.5    | 87.5    | 41.7 | 62.9  | 48.3  | 32.6  | 105.94  | 67.36 | 36.35 | 42.5  | 69.6  | 59.5  | <b>709.75</b> |
| <b>2006</b> | 34.8    | 79.8    | 90.3 | 54.4  | 159.1 | 20.4  | 77.1    | 133.9 | 23.9  | 55.6  | 75.1  | 104   | <b>908.4</b>  |
| <b>2007</b> | 67.6    | 94.8    | 78.6 | 2     | 122.8 | 127.6 | 89.8    | 98.5  | 46    | 60.6  | 75.6  | 84    | <b>947.9</b>  |

|                  |             |             |             |             |             |             |             |             |             |             |             |             |              |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| <b>Moyenne :</b> | <b>66.6</b> | <b>77.8</b> | <b>73.9</b> | <b>63.2</b> | <b>70.1</b> | <b>64.8</b> | <b>85.5</b> | <b>68.8</b> | <b>53.4</b> | <b>83.5</b> | <b>79.4</b> | <b>84.7</b> | <b>872.2</b> |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|



[Retour au sommaire](#)

| J/M  | Janvier | Février | Mars | Avril | Mai   | Juin | Juillet | Aout  | Sept. | Oct. | Nov. | Déc. |
|------|---------|---------|------|-------|-------|------|---------|-------|-------|------|------|------|
| 1    | 3.3     | 0       | 0    | 0.3   | 0     | 8.4  | 7.6     | 3.3   | 0     | 16.6 | 0    | 3.4  |
| 2    | 1.7     | 0       | 4.2  | 0     | 0     | 0    | 7.4     | 0.1   | 0     | 0    | 0.6  | 19.3 |
| 3    | 0.6     | 0       | 0.3  | 0     | 0     | 0    | 8.9     | 0     | 4     | 0    | 0.2  | 3.4  |
| 4    | 1.8     | 0       | 7    | 0     | 2.3   | 0    | 14.8    | 0     | 0.4   | 0    | 0    | 1    |
| 5    | 2.8     | 0       | 2.3  | 0     | 0     | 0    | 2.9     | 0     | 0.9   | 0    | 1    | 2.9  |
| 6    | 7.9     | 2.2     | 16   | 0     | 1.4   | 0    | 0       | 7.2   | 1.1   | 0    | 0.6  | 22   |
| 7    | 1.6     | 1.1     | 0    | 0     | 1.3   | 0.2  | 0       | 0     | 0     | 0    | 0    | 0    |
| 8    | 1.9     | 2.3     | 0    | 0     | 7.2   | 1.5  | 6.6     | 0.9   | 0.1   | 0    | 7.5  | 8.4  |
| 9    | 0       | 0.5     | 5.9  | 0     | 9.7   | 0.2  | 2.5     | 16.7  | 0     | 14.6 | 1.1  | 5.9  |
| 10   | 4.7     | 6.3     | 0    | 0     | 0.1   | 0.3  | 0       | 0     | 0.3   | 0    | 2.7  | 5.2  |
| 11   | 0.3     | 14.9    | 0    | 0     | 3.5   | 0.1  | 3.3     | 0     | 0     | 0    | 3.3  | 0.8  |
| 12   | 0.1     | 3.9     | 0    | 0     | 0     | 0    | 2.1     | 0     | 0     | 0    | 2    | 0.1  |
| 13   | 0.1     | 3.3     | 0    | 0     | 6.8   | 0    | 0       | 0     | 0     | 0    | 8.6  | 0    |
| 14   | 0       | 7.2     | 0    | 0     | 3.9   | 20.7 | 0       | 2.5   | 0     | 0    | 0    | 0    |
| 15   | 0       | 0       | 0    | 0     | 12    | 2.9  | 0       | 0.6   | 0     | 0    | 0    | 0    |
| 16   | 0       | 0       | 0    | 0     | 10.9  | 3.5  | 7.1     | 2.6   | 0     | 0    | 0    | 0    |
| 17   | 16.9    | 0       | 0.4  | 0     | 0.4   | 6.5  | 0       | 0     | 0     | 2    | 0.1  | 0    |
| 18   | 10.2    | 0       | 3.3  | 0     | 45    | 0    | 0       | 0     | 2.4   | 0.4  | 1.4  | 0    |
| 19   | 1.2     | 0       | 1.6  | 0     | 0     | 3.6  | 0.3     | 25.9  | 0     | 0    | 3.5  | 0    |
| 20   | 1.3     | 0       | 6.2  | 0     | 0.7   | 0    | 13.2    | 13    | 0     | 0    | 6.9  | 0    |
| 21   | 1.6     | 1.2     | 4.2  | 0     | 0     | 2.3  | 0       | 17.9  | 0     | 0    | 0.2  | 0    |
| 22   | 0       | 0.3     | 5    | 0     | 0     | 6.1  | 0.9     | 13.5  | 0     | 0    | 0.1  | 0.5  |
| 23   | 0       | 2.9     | 1.2  | 0     | 0     | 8.8  | 12      | 0     | 0     | 0    | 0.2  | 0    |
| 24   | 0       | 9       | 0.2  | 0     | 1.8   | 0.6  | 0       | 0.1   | 4.4   | 0.6  | 0.6  | 0    |
| 25   | 0       | 7       | 0    | 0     | 3.8   | 5.2  | 0       | 0.1   | 0.9   | 0    | 0.5  | 0.2  |
| 26   | 0.5     | 1.8     | 0    | 0     | 0.2   | 1.6  | 0.3     | 0     | 5.2   | 0    | 1.3  | 0.8  |
| 27   | 0       | 7       | 0    | 0     | 0.1   | 1.6  | 7.4     | 0     | 8.4   | 0    | 0.4  | 0    |
| 28   | 0.4     | 13      | 0    | 0     | 7     | 0    | 2.6     | 0     | 3.1   | 3.1  | 0.3  | 0.5  |
| 29   | 0       |         | 4.8  | 0     | 0     | 4.3  | 3.6     | 0     | 4     | 24.2 | 3    | 3.3  |
| 30   | 0       |         | 0    | 0     | 7.2   | 0    | 0       | 0     | 0     | 2.1  | 14.5 | 0.4  |
| 31   | 0       |         | 4.2  |       | 10    |      | 0       | 0     |       | 0    |      | 0    |
| Tot. | 58.9    | 83.9    | 66.8 | 0.3   | 135.3 | 78.4 | 103.5   | 104.4 | 35.2  | 63.6 | 60.6 | 78.1 |

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Codes

\* Précipitations neigeuses

E Précipitations estimées

MQ Données manquantes

Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)

( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte

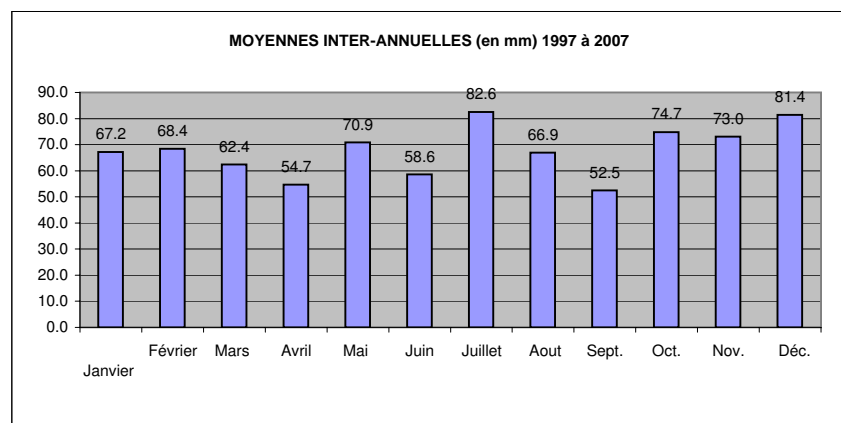
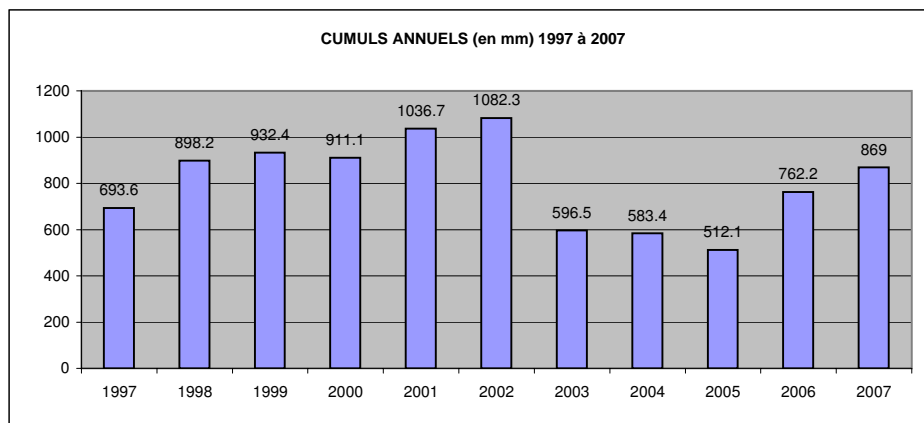
) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### MAUBEUGE

|      | Janvier | Février | Mars  | Avril | Mai   | Juin  | Juillet | Aout  | Sept. | Oct.  | Nov.  | Déc.  | Total annuel |
|------|---------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|--------------|
| 1997 | 1.30    | 90.5    | 32.4  | 15.7  | 79    | 112.4 | 64      | 38.3  | 11.9  | 89.5  | 81.1  | 78.8  | 693.6        |
| 1998 | 71.9    | 10.3    | 55.6  | 136.4 | 16.3  | 119.2 | 56.6    | 22.3  | 89.6  | 157.5 | 83.8  | 78.7  | 898.2        |
| 1999 | 109.2   | 96.6    | 94    | 74.3  | 73.2  | 70.5  | 37.8    | 56.1  | 67.9  | 48.4  | 39.1  | 165.3 | 932.4        |
| 2000 | 51.1    | 80.5    | 67.4  | 67.2  | 76.2  | 36.4  | 156.6   | 52.1  | 54.4  | 107.5 | 92.8  | 68.9  | 911.1        |
| 2001 | 82      | 66.6    | 144.8 | 126.4 | 18.5  | 42.3  | 100.1   | 47.6  | 170.5 | 68    | 118.5 | 51.4  | 1036.7       |
| 2002 | 84.4    | 169.2   | 71.1  | 32.7  | 87.4  | 86.8  | 85.7    | 101.2 | 31.4  | 73    | 143.9 | 115.5 | 1082.3       |
| 2003 | 100.5   | 18.2    | 33.5  | 36.7  | 79.8  | 75.7  | 59.8    | 4.6   | 29.7  | 58.3  | 47.4  | 52.3  | 596.5        |
| 2004 | 66.2    | 19.3    | 23    | 39.9  | 35.3  | 4.4   | 91.9    | 99.7  | 40.8  | 77.2  | 26    | 59.7  | 583.4        |
| 2005 | 29.3    | 70.5    | 27.1  | 47.3  | 45.9  | 8.4   | 67      | 72.1  | 24.7  | 17.7  | 55.3  | 46.8  | 512.1        |
| 2006 | 18.1    | 46.9    | 70.4  | 24.3  | 133.1 | 9.8   | 85.1    | 137.4 | 21.1  | 61.5  | 54.8  | 99.7  | 762.2        |
| 2007 | 58.9    | 83.9    | 66.8  | 0.3   | 135.3 | 78.4  | 103.5   | 104.4 | 35.2  | 63.6  | 60.6  | 78.1  | 869          |

|                  |             |             |             |             |             |             |             |             |             |             |             |             |              |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| <b>Moyenne :</b> | <b>67.2</b> | <b>68.4</b> | <b>62.4</b> | <b>54.7</b> | <b>70.9</b> | <b>58.6</b> | <b>82.6</b> | <b>66.9</b> | <b>52.5</b> | <b>74.7</b> | <b>73.0</b> | <b>81.4</b> | <b>807.0</b> |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|



[Retour au sommaire](#)



| J/M  | Janvier | Février | Mars | Avril | Mai  | Juin  | Juillet | Aout | Sept. | Oct. | Nov. | Déc. |
|------|---------|---------|------|-------|------|-------|---------|------|-------|------|------|------|
| 1    | 4.7     | 0.2     | 0.8  | 0.3   | 0    | 4.1   | 10.8    | 5.7  | 0     | 10.7 | 0    | 3.6  |
| 2    | 1.4     | 0       | 6.6  | 0     | 0    | 0     | 7.8     | 0.1  | 0.3   | 0.4  | 0.7  | 23   |
| 3    | 2.3     | 0       | 1.1  | 0     | 0.1  | 0     | 12.1    | 0.1  | 3.1   | 1.5  | 0.3  | 1    |
| 4    | 3.6     | 0.4     | 4.9  | 0     | 0    | 0.1   | 13.3    | 0    | 0.3   | 0.3  | 0    | 1.4  |
| 5    | 3.9     | 0.7     | 3.3  | 0.1   | 0    | 0.1   | 4.7     | 0    | 1.3   | 0.2  | 0.8  | 3.9  |
| 6    | 5.9     | 1.3     | 17.9 | 0.1   | 1.8  | 0     | 0       | 5.9  | 1     | 0.3  | 0.7  | 27.3 |
| 7    | 2.7     | 1       | 0.4  | 0     | 6.3  | 0     | 0.1     | 0    | 0.2   | 0.2  | 0.4  | 0.3  |
| 8    | 2.6     | 2.3     | 0.1  | 0.1   | 11.3 | 8.6   | 5.1     | 2.2  | 0     | 0.2  | 8.4  | 9.5  |
| 9    | 0       | 0.2     | 6.5  | 0.1   | 14   | 3.7   | 1.6     | 12.8 | 0.1   | 14.4 | 1.5  | 7.4  |
| 10   | 5.7     | 7.1     | 0.1  | 0.1   | 0.4  | 0.1   | 0       | 0    | 0     | 1.4  | 2.8  | 3.6  |
| 11   | 5.9     | 17.8    | 0.1  | 0     | 6.5  | 0     | 4.9     | 0.1  | 0.3   | 0.3  | 2.6  | 1.4  |
| 12   | 0.3     | 6.6     | 0    | 0     | 1.4  | 0.1   | 1.7     | 0.1  | 0.1   | 0    | 1.6  | 0.2  |
| 13   | 0.4     | 1.8     | 0.3  | 0.1   | 0    | 0     | 0       | 0    | 0.1   | 0.3  | 3.9  | 0    |
| 14   | 0.2     | 9       | 0    | 0     | 3.3  | 22.4  | 0.3     | 4.5  | 0     | 0    | 0    | 0    |
| 15   | 0       | 0.2     | 0.1  | 0.1   | 8.1  | 0.5   | 0       | 5.5  | 0.1   | 0    | 0.1  | 0    |
| 16   | 1.3     | 0       | 0.2  | 0.1   | 10.7 | 3.8   | 12.8    | 0.6  | 0     | 0    | 0.1  | 0.1  |
| 17   | 21.3    | 0       | 0.4  | 0     | 0.6  | 7.6   | 0.1     | 0.1  | 4.4   | 2.4  | 0.1  | 0    |
| 18   | 17.9    | 0.1     | 4.4  | 0.1   | 9.7  | 0.3   | 0.1     | 0.1  | 2.1   | 0.1  | 2.1  | 0    |
| 19   | 1.5     | 0       | 1.6  | 0     | 0    | 4.2   | 0.1     | 7.8  | 0     | 0.1  | 4.2  | 0    |
| 20   | 3.9     | 0       | 3.8  | 0     | 2.8  | 0     | 5.7     | 6.7  | 0.1   | 0.1  | 6.5  | 0.1  |
| 21   | 1       | 3.5     | 7.9  | 0     | 0.2  | 0.4   | 0       | 9.3  | 0     | 0.2  | 0.4  | 0.1  |
| 22   | 0       | 0.4     | 0.1  | 0     | 0    | 5.3   | 1.9     | 5.6  | 0.1   | 0    | 0.2  | 0    |
| 23   | 0       | 3.5     | 1    | 0     | 0    | 10.3  | 13.3    | 3.9  | 0     | 0.2  | 0.1  | 0    |
| 24   | 0       | 11.8    | 0.5  | 0     | 0    | 0.3   | 0       | 0.3  | 1.9   | 0.1  | 1.3  | 0    |
| 25   | 0       | 7.5     | 0.1  | 0     | 4.8  | 12.2  | 0       | 0.2  | 1.1   | 0    | 0.1  | 1.3  |
| 26   | 0.8     | 1.8     | 0    | 0.1   | 0.5  | 2.5   | 0.4     | 0.2  | 7.7   | 0    | 1.3  | 0.3  |
| 27   | 0.3     | 6       | 0    | 0     | 1    | 6.2   | 6.3     | 0.1  | 12.6  | 0    | 0.5  | 0.1  |
| 28   | 1       | 9.8     | 0    | 0     | 0.5  | 0.2   | 1.2     | 0    | 1.6   | 1.8  | 0.6  | 0.6  |
| 29   | 0.2     |         | 4.4  | 0     | 0    | 7.4   | 4.5     | 0.1  | 6.2   | 20.8 | 4    | 3.7  |
| 30   | 0       |         | 0.6  | 0     | 3.9  | 0     | 0.1     | 0.1  | 0.2   | 2.7  | 18.7 | 0.5  |
| 31   | 0.7     |         | 5.2  |       | 11.8 |       | 0.1     | 0    |       | 0.2  |      | 0.1  |
| Tot. | 89.5    | 93      | 72.4 | 1.3   | 99.7 | 100.4 | 109     | 72.1 | 44.9  | 58.9 | 64   | 89.5 |

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Codes

\* Précipitations neigeuses

E Précipitations estimées

MQ Données manquantes

Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)

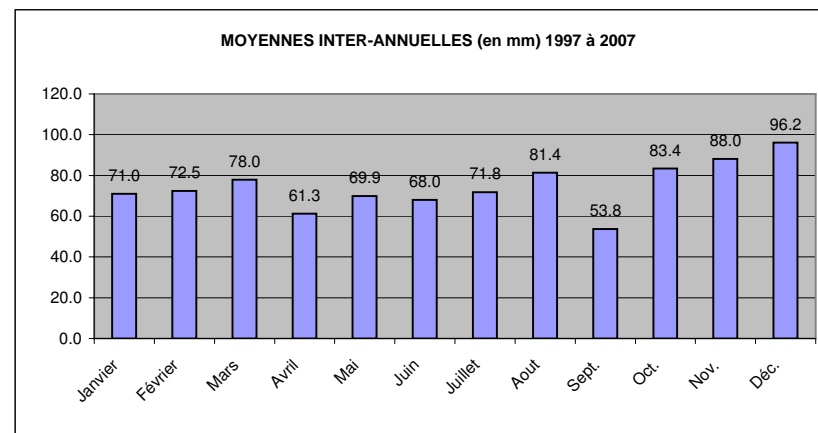
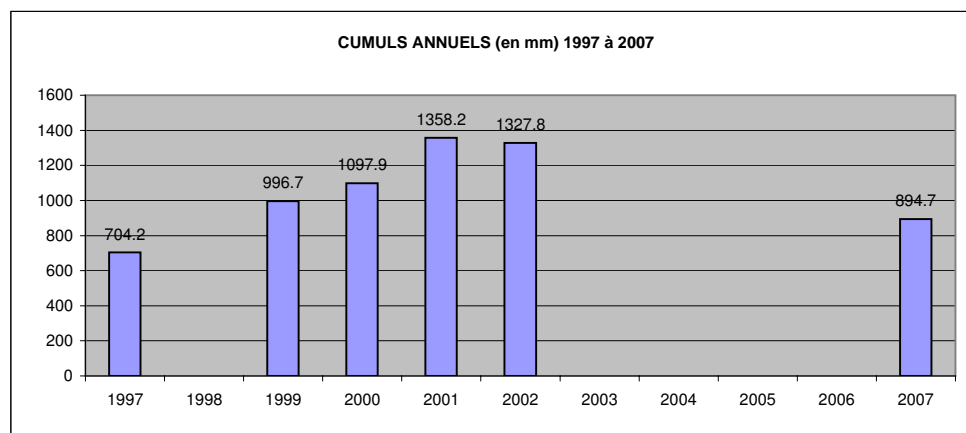
( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte

) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### SARS POTERIES

|                  | Janvier     | Février     | Mars        | Avril       | Mai         | Juin        | Juillet     | Aout        | Sept.       | Oct.        | Nov.        | Déc.        | Total annuel  |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| <b>1997</b>      | 4.7         | 97          | 29.9        | 19.4        | 104.2       | 114.7       | 67.1        | 42          | 12.1        | 73.5        | 77.4        | 62.2        | <b>704.2</b>  |
| <b>1998</b>      | 64.5        | 10.6        | 58.1        | 126         | 26.8        | 87.3        | 69.8        |             | 67.7        | 168         | 76          | 62.5        |               |
| <b>1999</b>      | 85.6        | 79.7        | 80.9        | 74.2        | 57.1        | 118.6       | 52.4        | 58.4        | 71.7        | 47          | 45.7        | 225.4       | <b>996.7</b>  |
| <b>2000</b>      | 67.4        | 90.7        | 75.2        | 94.3        | 115.8       | 34.6        | 92.2        | 40.6        | 71          | 150.1       | 161.4       | 104.6       | <b>1097.9</b> |
| <b>2001</b>      | 146.7       | 93.8        | 233.5       | 169.1       | 22.9        | 45.7        | 168.1       | 92.1        | 166.3       | 74.5        | 145.5       | 80.90       | <b>1358.2</b> |
| <b>2002</b>      | 107.5       | 220.6       | 91.5        | 44.4        | 64.9        | 90.6        | 79.2        | 159.3       | 40.3        | 111.4       | 153.7       | 164.4       | <b>1327.8</b> |
| <b>2003</b>      | 117.5       | 1.2         |             | 42.8        | 57.1        |             | 49.8        | 18.7        | 23.3        | 58.6        | 49          | 69          |               |
| <b>2004</b>      | 56.9        | 20.2        | 37.9        | 21          |             |             | 4           |             | 46.4        |             | 32.9        | 44.4        |               |
| <b>2005</b>      | 18.1        | 56.7        | 22.2        | 33          | 4.7         | 7.6         | 44.7        | 71.1        | 30.9        | 52.7        |             | 35.5        |               |
| <b>2006</b>      | 22.1        | 33.8        |             | 48.4        | 145.5       | 12.2        | 54          | 178.4       | 16.9        | 39.6        | 74.8        | 104.4       |               |
| <b>2007</b>      | 89.5        | 93          | 72.4        | 1.3         | 99.7        | 100.4       | 109         | 72.1        | 44.9        | 58.9        | 64          | 89.5        | <b>894.7</b>  |
| <b>Moyenne :</b> | <b>71.0</b> | <b>72.5</b> | <b>78.0</b> | <b>61.3</b> | <b>69.9</b> | <b>68.0</b> | <b>71.8</b> | <b>81.4</b> | <b>53.8</b> | <b>83.4</b> | <b>88.0</b> | <b>96.2</b> | <b>1063.3</b> |



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| J/M  | Janvier | Février | Mars | Avril | Mai   | Juin     | Juillet | Aout | Sept.   | Oct. | Nov. | Déc.    |
|------|---------|---------|------|-------|-------|----------|---------|------|---------|------|------|---------|
| 1    | 9.3     | 0.2     | 0    | 0     | 0     | 1.2      | 6.2     | 0.1  | 0       | 15.7 | 0    | 2.1     |
| 2    | 1.7     | 0.1     | 10.4 | 0.1   | 0.1   | 0.2      | 5.2     | 0    | E 1.50  | 8.1  | 0.3  | 12.6    |
| 3    | 0.7     | 0.1     | 0.2  | 0     | 0     | 0        | 12.4    | 0.1  | 0       | 1.2  | 0.2  | 0       |
| 4    | 0       | 0.4     | 4.3  | 0.1   | 0     | 0        | 2.2     | 0.1  | 0       | 0.3  | 0.1  | 0       |
| 5    | 0.6     | 1.5     | 5.7  | 0.2   | 0.1   | 0        | 2.8     | 0    | 0       | 0.4  | 1.5  | 1.7     |
| 6    | 6.1     | 3       | 5.4  | 0.1   | 0.7   | 0        | 0.1     | 2.8  | 0       | 0.2  | 0    | 18.8    |
| 7    | 1.7     | 0.1     | 0.5  | 0.2   | 2     | E 25.00  | 0.1     | 1.6  | 0       | 0.3  | 0    | 0       |
| 8    | 0.5     | 1.4     | 0.1  | 0.1   | 6.6   | 0        | 0.2     | 0.4  | 0       | 0.1  | 4.8  | 6.4     |
| 9    | 0       | 2       | 1    | 0.1   | 3.9   | 0        | 0.2     | 1.9  | 0       | 14.5 | 0.4  | 8.1     |
| 10   | 4       | 13.7    | 0.2  | 0.1   | 2.3   | 0        | 0.4     | 0    | 0       | 0    | 0.1  | E 10.00 |
| 11   | 2.1     | 4.4     | 0.2  | 0.1   | 15.1  | 0        | 0       | 0.1  | E 0.30  | 0.2  | 3.7  | 4.4     |
| 12   | 0.1     | 3.9     | 0.3  | 0.1   | 0.6   | 0        | 0.2     | 0.1  | 0       | 0.3  | 0.1  | 0.1     |
| 13   | 0.5     | 4.2     | 0.1  | 0.2   | 2.7   | 0        | 0       | 0.1  | 0       | 0.2  | 11.9 | 0.2     |
| 14   | 0       | 7.5     | 0.2  | 0.1   | 2     | E 15.00  | 0.1     | 5.2  | 0       | 0.3  | 1.9  | 0       |
| 15   | 0.1     | 0.2     | 0.3  | 0.1   | 1.9   | 0        | 6.6     | 2.5  | 0       | 0    | 0.2  | 0       |
| 16   | 0       | 0       | 0    | 0.1   | 6.9   | E 10.00  | 23.5    | 0.9  | 0       | 2    | 0.7  | 0       |
| 17   | 15.3    | 0       | 0.7  | 0.1   | 0.1   | E 10.00  | 0.1     | 1.5  | 0       | 0.7  | 0.2  | 0       |
| 18   | 5.1     | 0       | 0.9  | 0.1   | 1.3   | 0        | 0.1     | 0.6  | E 7.00  | 0    | 0.7  | 0       |
| 19   | 0.3     | 0       | 19.3 | 0.2   | 0.1   | E 18.00  | 12.7    | 5    | 0       | 0.1  | 0.7  | 0       |
| 20   | 5.6     | 1.4     | 19.4 | 0.1   | 3.8   | 0.7      | 0.2     | 0.7  | 0       | 0.1  | 11.8 | 0       |
| 21   | 13.8    | 1.1     | 3.7  | 0.1   | 20.8  | 2.6      | 0.6     | 1.1  | 0       | 0.4  | 0.2  | 0       |
| 22   | 0.1     | 0.7     | 0    | 0.2   | 0.1   | 3.4      | 0.6     | 0.4  | 0       | 0    | 1.5  | 0.3     |
| 23   | 0.1     | 4.2     | 0.8  | 0     | 0.1   | 0.1      | 43.8    | 0.1  | 0       | 0.4  | 0.5  | 0.1     |
| 24   | 5.1     | 4.3     | 1    | 0     | 0.2   | 6.5      | 0.2     | 0    | E 5.00  | 0    | 2.3  | 0.1     |
| 25   | 0       | 2       | 0.2  | 0     | 0     | 14       | 0       | 0    | E 15.00 | 0    | 0    | 2.5     |
| 26   | 3       | 0.3     | 0.2  | 0     | 0     | 0.1      | 6.1     | 0    | E 15.00 | 0    | 0    | 0.1     |
| 27   | 0.1     | 7.3     | 0.1  | 0     | 3.8   | 3.3      | 5.8     | 0    | E 7.00  | 0    | 0.3  | 0.1     |
| 28   | 0       | 20.8    | 0.2  | 2     | 29.3  | 0        | 1.8     | 0    | 2.3     | 3.8  | 0    | 2.9     |
| 29   | 0.8     |         | 0.1  | 0.1   | 0     | 2.1      | 1.8     | 0    | 6.9     | 2.8  | 3.4  | 4.2     |
| 30   | 0.1     |         | 0    | 0     | 4.7   | 0.3      | 0.1     | 0    | 4.3     | 0.1  | 5.5  | 0       |
| 31   | 0       |         | 0    |       | 8     |          | 0.1     | 0    |         | 0    |      | 0.9     |
| Tot. | 76.8    | 84.8    | 75.5 | 4.6   | 117.2 | E 112.50 | 134.2   | 25.3 | E 64.30 | 52.2 | 53   | E 75.60 |

[Retour au sommaire](#)

Codes

\* Précipitations neigeuses

E Précipitations estimées

MQ Données manquantes

Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)

( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte

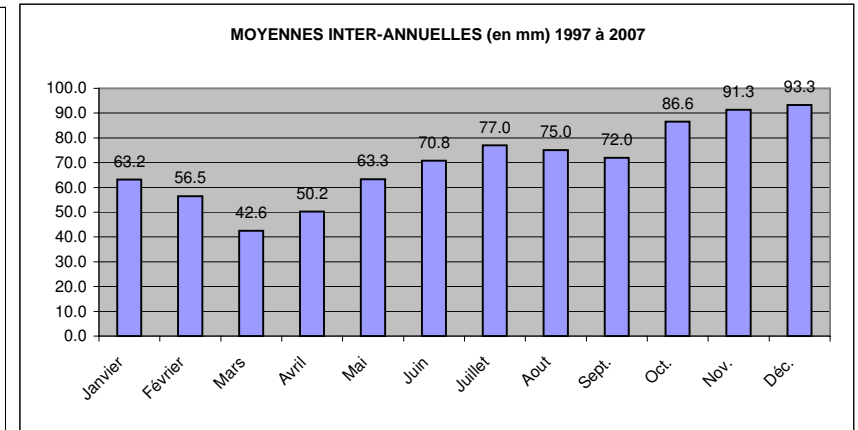
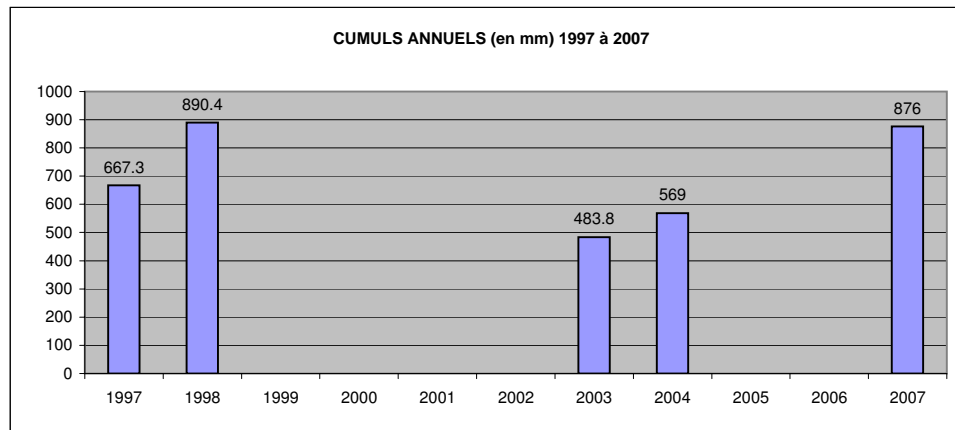
) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### AIRE SUR LA LYS

|             | Janvier | Février | Mars | Avril | Mai   | Juin  | Juillet | Aout  | Sept. | Oct.  | Nov.  | Déc.  | Total annuel |
|-------------|---------|---------|------|-------|-------|-------|---------|-------|-------|-------|-------|-------|--------------|
| <b>1997</b> | 5       | 66.8    | 15.9 | 13    | 69.3  | 109.3 | 23.7    | 65.7  | 2.5   | 91    | 118.7 | 86.4  | <b>667.3</b> |
| <b>1998</b> | 104.7   | 15.5    | 49.5 | 69.6  | 7.7   | 119.9 | 33.5    | 35.7  | 122.5 | 128.4 | 119.3 | 84.1  | <b>890.4</b> |
| <b>1999</b> | 106.2   | 52.8    | 49   | 63.2  | 54.8  | 86.4  | 5.2     | 102   | 126   | 82    | 52.1  |       |              |
| <b>2000</b> | 38.3    | 42.9    | 47.5 | 111.5 |       | 38.6  | 108.8   | 75.1  |       | 187.9 | 160.1 | 83.3  |              |
| <b>2001</b> | 86      | 31      |      | 110.3 | 34.5  | 23.8  |         | 80.6  | 156.6 | 82.8  |       |       |              |
| <b>2002</b> | 63.2    | 157.5   | 70.1 | 27.6  | 78.5  |       | 73.2    | 91.5  | 80.6  |       | 121.3 | 205.5 |              |
| <b>2003</b> | 83.9    | 16.9    | 11.8 | 14.6  | 36.3  | 83.7  | 58.7    | 11.6  | 14.9  | 60.8  | 47.1  | 43.5  | <b>483.8</b> |
| <b>2004</b> | 62.8    | 26.2    | 32.3 | 27.3  | 21.8  | 42.2  | 78.9    | 85.6  | 29.7  | 30.8  | 79.4  | 52    | <b>569</b>   |
| <b>2005</b> | 47.5    | 59.1    | 23.3 | 81.8  | 85.7  | 38.7  | 187.6   | 78.4  | 50.8  | 63.1  |       |       |              |
| <b>2006</b> | 20.7    | 68.1    | 50.7 | 28.9  | 126.8 | 53    | 65.8    | 173.7 |       |       | 71.1  | 116   |              |
| <b>2007</b> | 76.8    | 84.8    | 75.5 | 4.6   | 117.2 | 112.5 | 134.2   | 25.3  | 64.3  | 52.2  | 53    | 75.6  | <b>876</b>   |

|                  |             |             |             |             |             |             |             |             |             |             |             |             |              |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| <b>Moyenne :</b> | <b>63.2</b> | <b>56.5</b> | <b>42.6</b> | <b>50.2</b> | <b>63.3</b> | <b>70.8</b> | <b>77.0</b> | <b>75.0</b> | <b>72.0</b> | <b>86.6</b> | <b>91.3</b> | <b>93.3</b> | <b>697.3</b> |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|



[Retour au sommaire](#)

| J/M  | Janvier | Février | Mars  | Avril | Mai   | Juin  | Juillet | Aout | Sept. | Oct. | Nov.    | Déc.  |
|------|---------|---------|-------|-------|-------|-------|---------|------|-------|------|---------|-------|
| 1    | 10.6    | 0.2     | 11.7  | 0     | 0     | 1.4   | 16.2    | 0    | 0     | 16.6 | 0       | 6.5   |
| 2    | 0.9     | 0.1     | 0.2   | 0.1   | 0.1   | 0.1   | 24.6    | 0    | 2.6   | 1    | 0.5     | 15.8  |
| 3    | 1.3     | 0.3     | 8.3   | 0     | 0     | 0.1   | 2.1     | 0    | 0.1   | 0.1  | 0.7     | 0     |
| 4    | 0       | 0.2     | 8.2   | 0     | 0     | 0.2   | 1.3     | 0    | 0     | 0.2  | 0       | 0.3   |
| 5    | 4.2     | 0.7     | 8.9   | 0.1   | 0     | 0     | 5.4     | 0.5  | 0.3   | 0.4  | 1.5     | 3.2   |
| 6    | 10.9    | 2.1     | 17.8  | 0.2   | 3.4   | 0     | 0.3     | 3    | 0     | 0.2  | 0.5     | 41.4  |
| 7    | 7.8     | 0.3     | 0     | 0.1   | 9.1   | 18.6  | 0       | 0.8  | 0.1   | 0.2  | 0.1     | 0.4   |
| 8    | 4       | 4       | 0.3   | 0.2   | 7.6   | 0.1   | 0.1     | 0    | 0     | 0    | 8.5     | 11.8  |
| 9    | 0.7     | 5       | 5     | 0.1   | 8.8   | 0     | 4.9     | 0.5  | 0     | 17.4 | 0.1     | 16.9  |
| 10   | 5.5     | 21.5    | 0.1   | 0     | 8.3   | 0     | 0.1     | 0    | 0.1   | 0.8  | 0.3     | 3.9   |
| 11   | 6.2     | 11.6    | 0.1   | 0.1   | 13.5  | 0     | 0       | 0    | 0     | 0    | 0       | 0.2   |
| 12   | 2.3     | 11.4    | 0.2   | 0     | 0.3   | 0     | 4.1     | 0    | 0.1   | 0    | 0.4     | 0.2   |
| 13   | 0.9     | 8       | 0     | 0.1   | 4.9   | 0.6   | 0.4     | 0    | 0.1   | 0    | 14      | 0.3   |
| 14   | 0.3     | 8.7     | 0.2   | 0     | 4.7   | 14.1  | 0.3     | 9    | 2     | 0    | 5.9     | 0     |
| 15   | 0.7     | 4       | 0.2   | 0     | 21.7  | 1.7   | 10.1    | 10.5 | 0.1   | 0    | 0       | 0     |
| 16   | 1       | 0.1     | 0     | 0.1   | 9     | 6.9   | 38.3    | 3.6  | 0.2   | 4.2  | 0.3     | 0     |
| 17   | 17.1    | 0.1     | 4.1   | 0     | 0.2   | 7.1   | 0       | 3.5  | 10.1  | 7    | 0.1     | 0     |
| 18   | 7.1     | 0.2     | 1.2   | 0.1   | 0.1   | 0.2   | 0       | 0.2  | 0.2   | 0.2  | 3.1     | 0     |
| 19   | 2.4     | 0.2     | 11.3  | 0.2   | 0.2   | 14.9  | 6.2     | 8.1  | 10.1  | 0.5  | 2.1     | 0     |
| 20   | 5.6     | 3.8     | 32.3  | 0     | 0     | 4.5   | 0.1     | 4.6  | 4.2   | 0.1  | E 13.00 | 0     |
| 21   | 18.5    | 1.8     | 1.1   | 0.1   | 13.6  | 1.5   | 4       | 12.6 | 0.1   | 0.2  | 0.1     | 0     |
| 22   | 0.2     | 3.3     | 0.1   | 0.1   | 0.1   | 1.8   | 6.2     | 8.6  | 0.1   | 0.1  | 0.3     | 0.4   |
| 23   | 0.4     | 6.8     | 1.2   | 0     | 0     | 1.9   | 10.7    | 0.7  | 0.1   | 0.3  | 1.4     | 0.2   |
| 24   | 1.3     | 6.8     | 3     | 0     | 0.1   | 9.6   | 0.1     | 0    | 8.9   | 0.1  | 6       | 0.2   |
| 25   | 1.2     | 7.4     | 0     | 0     | 0     | 25.6  | 0       | 0.2  | 10.8  | 0    | 0.5     | 3     |
| 26   | 1.2     | 0.2     | 0     | 0     | 0     | 2.5   | 5.4     | 0.1  | 21.2  | 0    | 0       | 0.5   |
| 27   | 1.2     | 23.8    | 0.1   | 0     | 4.2   | 4.2   | 14.8    | 0.1  | 10.4  | 1.4  | 0.6     | 0.1   |
| 28   | 0.2     | 24.4    | 0.2   | 14.6  | 20.9  | 0.2   | 13.8    | 0    | 17.2  | 0.8  | 2.5     | 6.9   |
| 29   | 0.1     |         | 0.2   | 0     | 0.1   | 11.1  | 2.4     | 0    | 8.5   | 0.1  | 12.5    | 6.2   |
| 30   | 0.2     |         | 0.6   | 0     | 2.7   | 14.3  | 0       | 0    | 4.9   | 0    | 17      | 0     |
| 31   | 0.1     |         | 0.6   |       | 5.2   |       | 0.1     | 0    |       | 0.1  |         | 0.4   |
| Tot. | 114.1   | 157     | 117.2 | 16.2  | 138.8 | 143.2 | 172     | 66.6 | 112.5 | 52   | E 92.00 | 118.8 |

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Codes

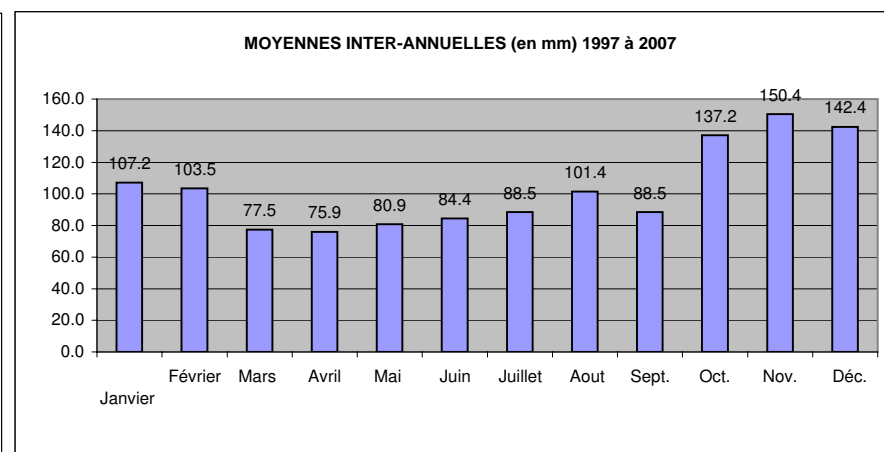
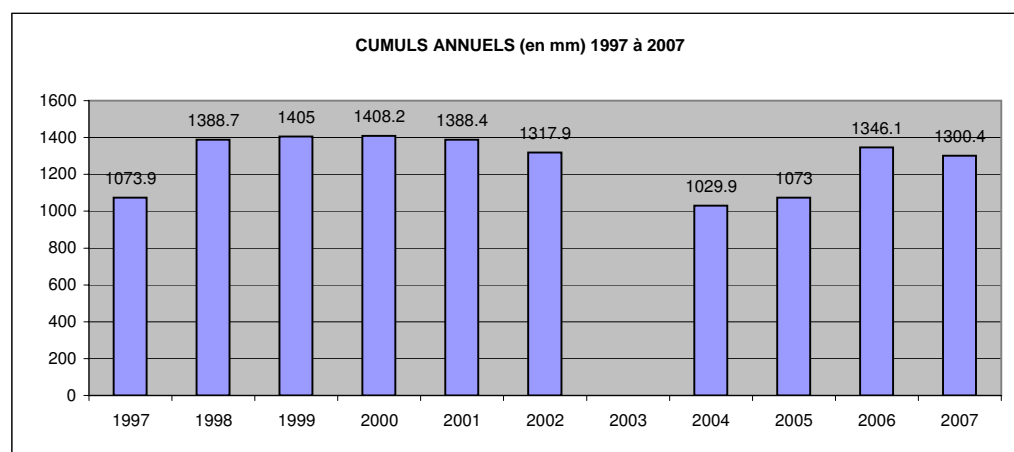
- \* Précipitations neigeuses
- E Précipitations estimées
- MQ Données manquantes
- Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)
- ( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte
- ) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### BOURTHES

|      | Janvier | Février | Mars  | Avril | Mai   | Juin  | Juillet | Aout  | Sept. | Oct.  | Nov.  | Déc.  | Total annuel |
|------|---------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|--------------|
| 1997 | 6.1     | 121.7   | 32.2  | 22    | 125.8 | 182.2 | 38      | 69.3  | 6.4   | 127.9 | 211.1 | 131.2 | 1073.9       |
| 1998 | 150.8   | 22.2    | 97    | 96    | 8.7   | 147.8 | 76.5    | 69.3  | 173.7 | 281.2 | 160   | 105.5 | 1388.7       |
| 1999 | 155.2   | 90.9    | 71.7  | 75    | 49.9  | 127.6 | 6.3     | 140.9 | 187.9 | 132.8 | 69.7  | 297.1 | 1405         |
| 2000 | 62.6    | 88      | 59.3  | 157.4 | 113.2 | 29.5  | 108.3   | 33.2  | 88.5  | 259.9 | 293.1 | 115.2 | 1408.2       |
| 2001 | 128.1   | 73      | 142.8 | 173.3 | 65.4  | 33.6  | 128.5   | 139.6 | 167.7 | 106.6 | 155.7 | 74.1  | 1388.4       |
| 2002 | 119.3   | 269.5   | 99.7  | 34.4  | 68.3  | 76.8  | 121.1   | 71.1  | 46.4  | 64.9  | 156.6 | 189.8 | 1317.9       |
| 2003 | 134.7   | 45.4    | 50.8  | 58.9  | 51.8  |       | 62.1    | 68.3  | 34.5  | 83.9  | 106.7 | 101.7 |              |
| 2004 | 162.1   | 52.6    | 43.5  | 49.6  | 46.6  | 4.3   | 82.8    | 185   | 49.3  | 127.3 | 115   | 111.8 | 1029.9       |
| 2005 | 104.1   | 106.2   | 49.5  | 104.5 | 51.1  | 38.8  | 126.5   | 85.8  | 69.4  | 120.3 | 123   | 93.8  | 1073         |
| 2006 | 42.5    | 112.3   | 88.3  | 47.3  | 170   | 60.5  | 51.2    | 186   | 37.2  | 152   | 171.6 | 227.2 | 1346.1       |
| 2007 | 114.1   | 157     | 117.2 | 16.2  | 138.8 | 143.2 | 172     | 66.6  | 112.5 | 52    | 92    | 118.8 | 1300.4       |

|                  |              |              |             |             |             |             |             |              |             |              |              |              |               |
|------------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|--------------|--------------|---------------|
| <b>Moyenne :</b> | <b>107.2</b> | <b>103.5</b> | <b>77.5</b> | <b>75.9</b> | <b>80.9</b> | <b>84.4</b> | <b>88.5</b> | <b>101.4</b> | <b>88.5</b> | <b>137.2</b> | <b>150.4</b> | <b>142.4</b> | <b>1273.2</b> |
|------------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|--------------|--------------|---------------|



[Retour au sommaire](#)

| J/M  | Janvier | Février | Mars | Avril | Mai  | Juin  | Juillet | Aout | Sept. | Oct. | Nov.    | Déc. |
|------|---------|---------|------|-------|------|-------|---------|------|-------|------|---------|------|
| 1    | 6.8     | 0.1     | 0.1  | 0     | 0    | 3.8   | 8.1     | 0.1  | 0     | 14.9 | 0.3     | 5.8  |
| 2    | 3.4     | 0       | 13.2 | 0     | 0    | 0.1   | 8       | 0    | 1.7   | 1.2  | 0.5     | 16   |
| 3    | 1.1     | 0.3     | 0.1  | 0     | 0    | 0     | 15.8    | 0.1  | 0.5   | 0.4  | 0.6     | 0    |
| 4    | 0       | 0       | 6.4  | 0     | 0    | 0.1   | 6.1     | 0.1  | 0.1   | 0.2  | 0.6     | 0.1  |
| 5    | 3       | 0.8     | 6.1  | 0.2   | 0    | 0     | 2.5     | 0    | 0.1   | 0.3  | E 1.50  | 0    |
| 6    | 5.2     | 2       | 12.6 | 0.1   | 0    | 0     | 0.1     | 3.5  | 0.3   | 0.2  | 0.2     | 25.3 |
| 7    | 2.7     | 0.3     | 0.3  | 0.1   | 0    | 52.8  | 0.1     | 1.7  | 0.2   | 0.2  | 0.2     | 0.7  |
| 8    | 2.4     | 3.7     | 0.2  | 0.1   | 0    | 0.9   | 0.2     | 0    | 0.1   | 0    | 6       | 7.2  |
| 9    | 0.2     | 0.3     | 1    | 0     | 0    | 0.1   | 0.8     | 3.2  | 0     | 13.5 | 0.5     | 12.4 |
| 10   | 3.7     | 13.7    | 0.2  | 0.1   | 0    | 0     | 0.1     | 0.1  | 0.1   | 0    | 0.4     | 12.9 |
| 11   | 3.6     | 8.2     | 0.1  | 0.1   | 0    | 0     | 0       | 0    | 0.3   | 0.1  | 4       | 5.4  |
| 12   | 0.4     | 7.4     | 0.1  | 0     | 0    | 0.1   | 0.5     | 0.1  | 0.1   | 0.2  | 0.2     | 0.2  |
| 13   | 0.2     | 4.1     | 0.2  | 0.1   | 0    | 0.7   | 0       | 0    | 0.2   | 0.3  | 8       | 0.1  |
| 14   | 0.1     | 7.2     | 0.1  | 0.1   | 0    | 22    | 0       | 5.9  | 0.4   | 0.1  | 0.4     | 0.3  |
| 15   | 0       | 0.1     | 0.2  | 0     | 4.7  | 2.1   | 10.5    | 0.9  | 0.1   | 0.1  | 0.2     | 0.3  |
| 16   | 0       | 0       | 0    | 0     | 7.9  | 13.1  | 15.9    | 3.4  | 0.1   | 1.3  | 0.1     | 0.4  |
| 17   | 14.3    | 0       | 1.7  | 0.1   | 0.2  | 16.7  | 0       | 0.5  | 2.2   | 0.9  | 0.2     | 0.3  |
| 18   | 7.8     | 0       | 1.2  | 0.1   | 0.4  | 0.1   | 0.1     | 0    | 4.8   | 0.1  | 1.3     | 0.2  |
| 19   | 1.2     | 0.1     | 11.9 | 0.1   | 0    | 23.5  | 29.2    | 23.7 | 0     | 0    | 0.5     | 0.2  |
| 20   | 8.2     | 1.3     | 15.1 | 0.1   | 5.4  | 0.1   | 0.2     | 7.6  | 0     | 0    | 10.2    | 0.3  |
| 21   | 17.5    | 1.8     | 6    | 0     | 0    | 0.7   | 8.7     | 16.2 | 0.1   | 0.5  | 0.2     | 0.3  |
| 22   | 4.3     | 1       | 0.1  | 0     | 0.3  | 4     | 1.1     | 18.2 | 0.2   | 0    | 1.6     | 0.2  |
| 23   | 0       | 5       | 1.4  | 0     | 0    | 0     | 50.5    | 1    | 0     | 0    | 0.1     | 0.3  |
| 24   | 1.1     | 8.9     | 1    | 0     | 0.1  | 7.4   | 0.1     | 0.7  | 8.3   | 0.2  | 1.2     | 0.3  |
| 25   | 0.1     | 2.9     | 0.1  | 0     | 0    | 6.1   | 0       | 0.2  | 3.1   | 0    | 0.1     | 0.2  |
| 26   | 2.1     | 0.6     | 0.1  | 0     | 0.1  | 1.3   | 6.2     | 0.2  | 19.2  | 0    | 0.1     | 0.2  |
| 27   | 0.4     | 5.9     | 0.1  | 0     | 2.7  | 3.4   | 10.4    | 0.1  | 5.3   | 0    | 0.1     | 0.2  |
| 28   | 0       | 22.3    | 0    | 0     | 5.1  | 0     | 3.2     | 0    | 8.8   | 4.9  | 0       | 0.2  |
| 29   | 0.3     |         | 0.8  | 0     | 0    | 4.6   | 6       | 0.1  | 5.8   | 0.4  | 3.2     | 0.2  |
| 30   | 0       |         | 0.2  | 0     | 5.7  | 0.8   | 0.1     | 0.1  | 2.3   | 0.3  | 4.6     | 0.2  |
| 31   | 0       |         | 1.5  |       | 6.9  |       | 0.1     | 0    |       | 0.2  |         | 0.2  |
| Tot. | 90.1    | 98      | 82.1 | 1.3   | 39.5 | 164.5 | 184.6   | 87.7 | 64.4  | 40.5 | E 47.10 | 90.6 |

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Codes

\* Précipitations neigeuses

E Précipitations estimées

MQ Données manquantes

Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)

( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte

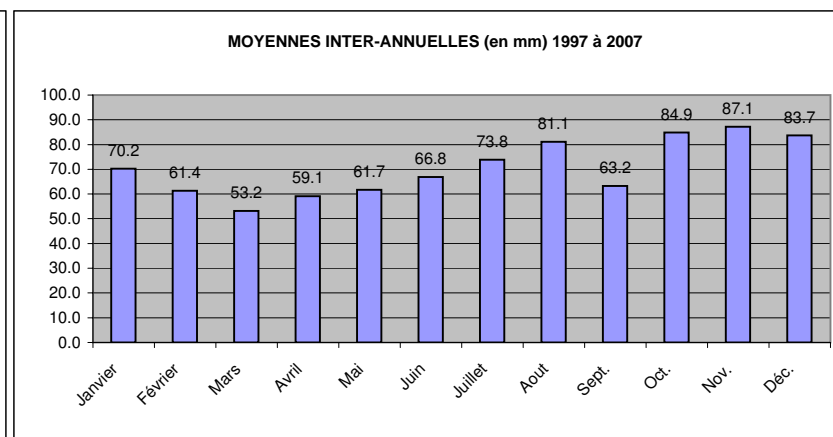
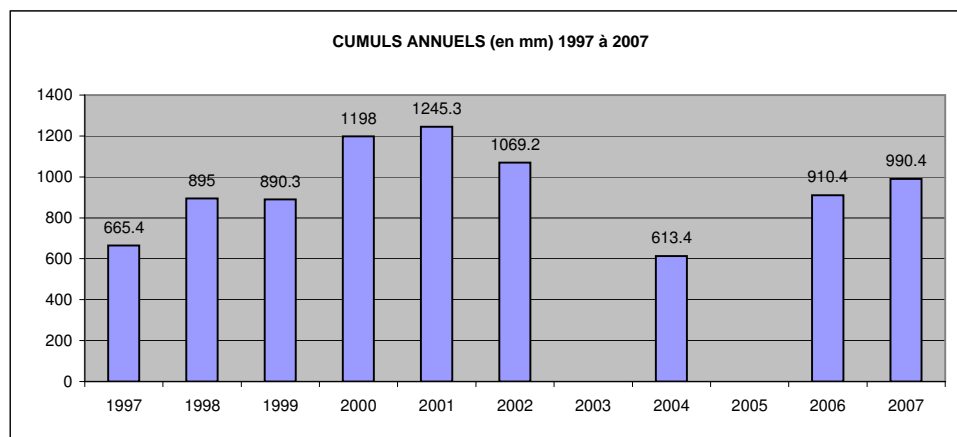
) Indique la fin de la ventilation.



## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### BRUAY LA BUISSIÈRE

|                  | Janvier     | Février     | Mars        | Avril       | Mai         | Juin        | Juillet     | Aout        | Sept.       | Oct.        | Nov.        | Déc.        | Total annuel  |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| <b>1997</b>      | 2.4         | 90.2        | 24.5        | 17.7        | 77.9        | 94.7        | 32.4        | 39.9        | 3.9         | 94.4        | 98.8        | 88.6        | <b>665.4</b>  |
| <b>1998</b>      | 108.2       | 11          | 55.6        | 84.6        | 9           | 114.7       | 51.5        | 47.7        | 103.5       | 139         | 99.3        | 70.9        | <b>895</b>    |
| <b>1999</b>      | 109.2       | 62.3        | 49.2        | 71.5        | 64.7        | 65.2        | 10.3        | 63.8        | 95          | 55.6        | 39.5        | 204         | <b>890.3</b>  |
| <b>2000</b>      | 29.4        | 60.6        | 50.6        | 107.4       | 96.7        | 53.3        | 114         | 90.6        | 106.8       | 190         | 176.5       | 122.1       | <b>1198</b>   |
| <b>2001</b>      | 114.9       | 44.6        | 141.8       | 145.7       | 36.8        | 43.5        | 184.1       | 154.8       | 175.7       | 83.7        | 70          | 49.7        | <b>1245.3</b> |
| <b>2002</b>      | 76.9        | 158.6       | 52.6        | 31.3        | 80.5        | 43.3        | 71.3        | 132.8       | 63.5        | 138.5       | 169.8       | 50.1        | <b>1069.2</b> |
| <b>2003</b>      | 55.9        | 9.7         | 7.8         | 62.9        | 63.9        | 28.4        | 3.8         | 5.8         | 8.4         |             | 72.4        | 63.6        |               |
| <b>2004</b>      | 151.8       | 46          | 39.1        | 42          | 40.4        | 46.4        | 72.7        | 82.2        | 31.6        | 25.1        | 26.8        | 9.3         | <b>613.4</b>  |
| <b>2005</b>      | 9.4         | 7.9         | 9           | 56.8        | 33.3        | 17.1        | 41.9        | 16.6        | 16.4        | 12.2        |             | 56          |               |
| <b>2006</b>      | 24.4        | 86          | 72.4        | 28.5        | 135.9       | 63.9        | 45.7        | 169.9       | 26.5        | 69.7        | 71.2        | 116.3       | <b>910.4</b>  |
| <b>2007</b>      | 90.1        | 98          | 82.1        | 1.3         | 39.5        | 164.5       | 184.6       | 87.7        | 64.4        | 40.5        | 47.1        | 90.6        | <b>990.4</b>  |
| <b>Moyenne :</b> | <b>70.2</b> | <b>61.4</b> | <b>53.2</b> | <b>59.1</b> | <b>61.7</b> | <b>66.8</b> | <b>73.8</b> | <b>81.1</b> | <b>63.2</b> | <b>84.9</b> | <b>87.1</b> | <b>83.7</b> | <b>941.9</b>  |



[Retour au sommaire](#)

| J/M  | Janvier | Février | Mars | Avril | Mai   | Juin  | Juillet | Aout | Sept.    | Oct. | Nov. | Déc.  |
|------|---------|---------|------|-------|-------|-------|---------|------|----------|------|------|-------|
| 1    | 10.9    | 0       | 0    | 0     | 0     | 1.3   | 10.6    | 0    | 0        | 9.2  | 0    | 23.4  |
| 2    | 0.4     | 0.1     | 10.8 | 0     | 0     | 0.1   | 10.5    | 0.2  | 2.3      | 0.2  | 0.4  | 12.5  |
| 3    | 4       | 0       | 0    | 0     | 0     | 0     | 6.8     | 0.1  | 0.5      | 0    | 0.2  | 0     |
| 4    | 0       | 0       | 9.6  | 0     | 0     | 0.1   | 0.7     | 0    | 0.1      | 0.2  | 0    | 0.3   |
| 5    | 2.7     | 1.7     | 11.3 | 0     | 0     | 0     | 5.3     | 1.4  | 0        | 0    | 1.6  | 4.2   |
| 6    | 11      | 1.3     | 14   | 0     | 2.4   | 0     | 0       | 3.2  | 0.1      | 0.1  | 0    | 35.3  |
| 7    | 7.9     | 5.5     | 0.1  | 0     | 6     | 14.8  | 0.1     | 2.7  | 0.1      | 0    | 0    | 0.1   |
| 8    | 3.1     | 1.2     | 0.2  | 0     | 9.6   | 0     | 1.4     | 0.2  | 0        | 0    | 7.8  | 11    |
| 9    | 0       | 3.9     | 4.3  | 0     | 8     | 0     | 2.9     | 0.2  | 0        | 20.7 | 0    | 15.8  |
| 10   | 5       | 19.7    | 0    | 0     | 8.6   | 0     | 0.8     | 0.1  | 0.1      | 0    | 0    | 0.9   |
| 11   | 3.7     | 9.4     | 0    | 0     | 4.1   | 0     | 0       | 0    | 0.1      | 0    | 0.3  | 0     |
| 12   | 2.6     | 4.3     | 0    | 0     | 0     | 0     | 2.7     | 0.1  | 0.2      | 0.2  | 0    | 0     |
| 13   | 0.9     | 8.5     | 0    | 0     | 5.2   | 0.3   | 0.6     | 0    | 0        | 0    | 10.5 | 0     |
| 14   | 1.1     | 7.1     | 0    | 0     | 10.5  | 9.1   | 0.8     | 8.2  | E 0.40   | 0.1  | 3.6  | 0     |
| 15   | 0.9     | 0       | 0    | 0.1   | 17.8  | 1     | 4.6     | 9.7  | 0        | 0    | 0.2  | 0     |
| 16   | 2       | 0       | 0    | 0     | 9.4   | 1.9   | 32.9    | 1.8  | E 2.00   | 4.8  | 0    | 0     |
| 17   | 19.2    | 0       | 3.2  | 0     | 0.1   | 6.8   | 0       | 0.1  | E 9.00   | 4.3  | 0    | 0     |
| 18   | 5.3     | 0       | 0.1  | 0     | 0.1   | 0.2   | 0.1     | 0.1  | 0.5      | 0    | 3    | 0     |
| 19   | 2       | 0       | 15.7 | 0     | 0.1   | 15.9  | 5.7     | 7.7  | 10.1     | 0    | 2    | 0     |
| 20   | 4.4     | 4.9     | 19.9 | 0     | 0.1   | 1.1   | 0       | 13.9 | 3.7      | 0    | 16.3 | 0     |
| 21   | E 11.00 | 2.9     | 1.2  | 0     | 8.3   | 0.7   | 13.4    | 14.3 | 0        | 0    | 0    | 0     |
| 22   | E 1.30  | 3.4     | 0    | 0     | 0.1   | 4.8   | 1.8     | 17.4 | 0.1      | 0    | 3.9  | 0     |
| 23   | E 2.50  | 6.3     | 1.1  | 0     | 0.1   | 0     | 33.8    | 0.8  | 0        | 0    | 0.4  | 0     |
| 24   | E 2.50  | 6.7     | 2.3  | 0     | 0.1   | 15.6  | 0.2     | 0.2  | E 5.00   | 0    | 3.3  | 0     |
| 25   | E 0.10  | 2.4     | 0    | 0     | 0     | 31.3  | 0.1     | 0.1  | E 20.00  | 0    | 1    | 3.9   |
| 26   | 0.3     | 0       | 0    | 0     | 0     | 1.4   | 4.4     | 0.2  | E 28.00  | 0    | 0    | 0     |
| 27   | 0       | 11.4    | 0    | 0.1   | 5     | 1.1   | 11.4    | 0.1  | E 40.00  | 0.2  | 0.3  | 0     |
| 28   | 0       | 22.2    | 0    | 3.3   | 3.4   | 0.5   | 12.3    | 0.1  | 18.3     | 6    | 1.1  | 5.6   |
| 29   | 0.2     |         | 0    | 0.1   | 0     | 11.1  | 3.1     | 0.1  | 10.4     | 4.6  | 14.1 | 2.4   |
| 30   | 0       |         | 0.3  | 0     | 7.3   | 18    | 0.1     | 0.1  | 4.5      | 0.1  | 14.7 | 0     |
| 31   | 0       |         | 0.5  |       | 5.2   |       | 0.1     | 0    |          | 0    |      | 0.1   |
| Tot. | E 105.0 | 122.9   | 94.6 | 3.6   | 111.5 | 137.1 | 167.2   | 83.1 | E 155.50 | 50.7 | 84.7 | 115.5 |

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Codes

\* Précipitations neigeuses

E Précipitations estimées

MQ Données manquantes

Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)

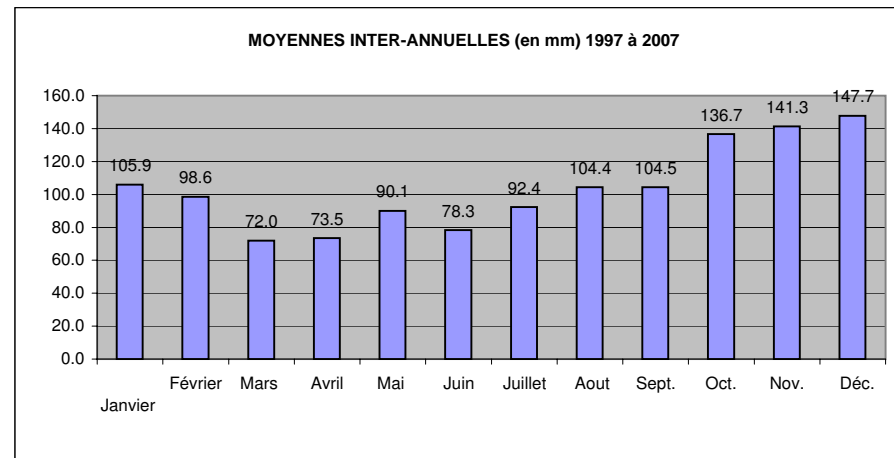
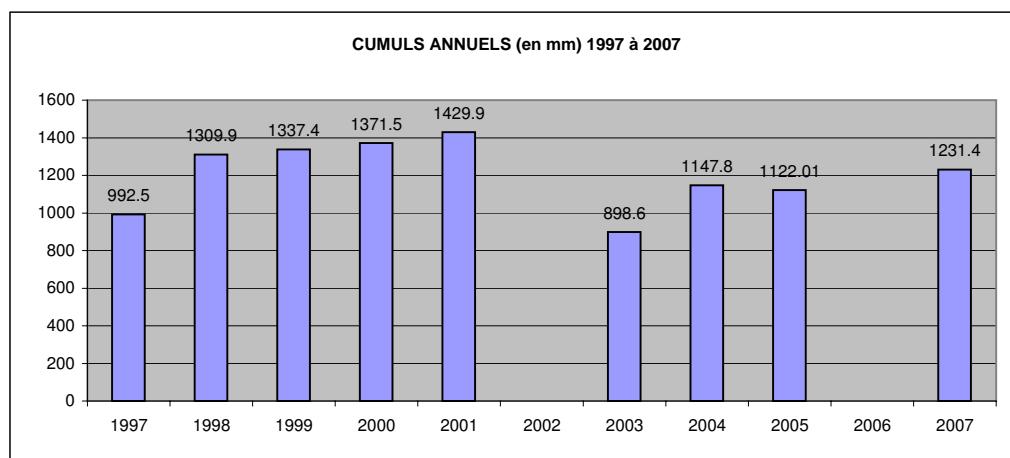
( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte

) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### DESVRES

|                  | Janvier      | Février     | Mars        | Avril       | Mai         | Juin        | Juillet     | Aout         | Sept.        | Oct.         | Nov.         | Déc.         | Total annuel   |
|------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|----------------|
| <b>1997</b>      | 4.2          | 106.2       | 20.2        | 21.6        | 112.1       | 128.6       | 25.9        | 46.3         | 2.5          | 126.1        | 220.1        | 178.7        | <b>992.5</b>   |
| <b>1998</b>      | 161.8        | 17.6        | 94.7        | 96.4        | 31.4        | 131.7       | 62.6        | 45.9         | 178.9        | 280.3        | 106.5        | 102.1        | <b>1309.9</b>  |
| <b>1999</b>      | 151.6        | 85.1        | 52.1        | 100.7       | 47.7        | 102.7       | 10.6        | 134.9        | 220.1        | 105.5        | 55.7         | 270.7        | <b>1337.4</b>  |
| <b>2000</b>      | 49.8         | 80.5        | 58          | 147.9       | 134.1       | 26          | 88.3        | 32.4         | 107.6        | 253.8        | 284.6        | 108.5        | <b>1371.5</b>  |
| <b>2001</b>      | 160          | 109.1       | 151.3       | 141.8       | 50.1        | 31.8        | 138.9       | 85.1         | 204.6        | 113.2        | 165.4        | 78.6         | <b>1429.9</b>  |
| <b>2002</b>      | 101          | 259.1       | 101.9       | 33.2        | 111.4       | 110.5       | 124.1       |              | 75.5         | 75.7         | 165.2        | 167.2        |                |
| <b>2003</b>      | 165.6        | 31.7        | 46.3        | 54.7        | 63.5        | 60.7        | 80.8        | 56.1         | 26.8         | 84.2         | 127.1        | 101.1        | <b>898.6</b>   |
| <b>2004</b>      | 166.3        | 58.9        | 39.1        | 71.3        | 86.2        | 31.3        | 106.1       | 184.2        | 45.6         | 126.7        | 102.8        | 129.3        | <b>1147.8</b>  |
| <b>2005</b>      | 64.4         | 96.4        | 50.2        | 108.2       | 75.4        | 40.8        | 119.9       | 84.8         | 103.2        | 130.9        | 109.41       | 138.4        | <b>1122.01</b> |
| <b>2006</b>      | 34.8         | 117.6       | 83.8        | 29.1        | 167.6       | 60.4        |             | 291.5        | 28.9         | 156.4        | 132.6        | 235          |                |
| <b>2007</b>      | 105          | 122.9       | 94.6        | 3.6         | 111.5       | 137.1       | 167.2       | 83.1         | 155.5        | 50.7         | 84.7         | 115.5        | <b>1231.4</b>  |
| <b>Moyenne :</b> | <b>105.9</b> | <b>98.6</b> | <b>72.0</b> | <b>73.5</b> | <b>90.1</b> | <b>78.3</b> | <b>92.4</b> | <b>104.4</b> | <b>104.5</b> | <b>136.7</b> | <b>141.3</b> | <b>147.7</b> | <b>1204.6</b>  |



[Retour au sommaire](#)

| J/M  | Janvier | Février | Mars    | Avril | Mai   | Juin  | Juillet | Aout | Sept. | Oct. | Nov. | Déc. |
|------|---------|---------|---------|-------|-------|-------|---------|------|-------|------|------|------|
| 1    | 9.5     | 0.2     | Tr .    | 0     | 0     | 1.4   | 17.8    | 0    | 0     | 20.1 | 0    | 5.4  |
| 2    | 1.7     | 0.2     | 10.6    | 0     | 0     | 0     | 15.7    | 0    | 1.7   | 3.1  | 0.7  | 12.6 |
| 3    | 1.7     | 0.35    | 0.1     | 0.1   | 0     | 0     | 6.1     | 0    | 0.1   | 2.8  | 0.3  | 0    |
| 4    | 0.1     | 0.2     | 6.8     | 0     | 0     | 0     | 1.7     | 0.1  | 0     | 0.3  | 0    | 0.1  |
| 5    | 4.7     | 1.1     | 8.2     | 0     | 0     | 0     | 3.3     | 0    | 0.6   | 0.1  | 2    | 3.3  |
| 6    | 12.4    | 2.5     | 12.3    | 0     | 3.1   | 0     | 0       | 3.2  | 0.1   | 0.1  | 0    | 32.6 |
| 7    | 8.2     | 4.7     | 0.6     | 0.1   | 5.4   | 39    | 0       | 0.5  | 0     | 0.1  | 0    | 0.2  |
| 8    | 2.5     | 5.6     | 0.1     | 0     | 11.7  | 0.2   | 0       | 0    | 0     | 0.1  | 5.8  | 11.2 |
| 9    | 0.75    | 6       | 2.5     | 0     | 9.2   | 0     | 3.2     | 0.4  | 0     | 14.4 | 0.1  | 12.4 |
| 10   | 6.3     | 14.8    | 0.1     | 0     | 6.2   | 0     | 0.5     | 0    | 0     | 0    | 0    | 5.4  |
| 11   | 5.1     | 8.2     | 0.1     | 0     | 15.5  | 0     | 0       | 0    | 0     | 0.1  | 0.3  | 0.2  |
| 12   | 0.9     | 8.9     | 0.25    | 0     | 0     | 0     | 1.6     | 0    | 0     | 0    | 0.1  | 0.1  |
| 13   | 0.8     | 7.3     | 0.1     | 0     | 3     | 0.4   | 0.4     | 0    | 0.1   | 0.1  | 8.1  | 0.1  |
| 14   | 0.25    | 7.7     | 0.3     | 0     | 2     | 12.6  | 0       | 13.3 | 0.3   | 0    | 0.9  | 0    |
| 15   | 0.2     | 0.2     | 0.15    | 0     | 9     | 0.4   | 11.5    | 5.4  | 0     | 0    | 0    | 0    |
| 16   | 0.7     | Tr .    | Tr .    | 0     | 5.3   | 8     | 19.5    | 2.8  | 0     | 3.5  | 0    | 0    |
| 17   | 17.5    | Tr .    | 2.3     | 0     | 0.2   | 9.9   | 0       | 1.8  | 8.9   | 1.7  | 0.1  | 0    |
| 18   | 7.3     | 0.15    | 1.3     | 0     | 1.3   | 0.1   | 0       | 0    | 1.7   | 0    | 2.8  | 0    |
| 19   | 1.6     | Tr .    | 19.6    | 0.1   | 0     | 11.9  | 5.3     | 6    | 4.5   | 0    | 1.3  | 0    |
| 20   | 9.4     | 2.9     | 25.8    | 0     | 0.5   | 8.3   | 0       | 1.8  | 0.3   | 0    | 13.6 | 0    |
| 21   | 18.3    | 1.5     | Tr .    | 0     | 16.3  | 0.4   | 1       | 10.1 | 0     | 0.1  | 0.1  | 0    |
| 22   | 0.2     | 1.5     | 0       | 0     | 0     | 2.6   | 4.5     | 3.6  | 0     | 0.1  | 0.3  | 0.3  |
| 23   | 10.4    | 6.2     | 1.7     | 0     | 0.1   | 2.7   | 42.2    | 1.7  | 0     | 0    | 0.8  | 0.1  |
| 24   | 1.9     | 8       | E 3.00  | 0     | 0     | 8.1   | 0       | 0    | 5.6   | 0    | 5.6  | 0    |
| 25   | 0.2     | 3.8     | Tr .    | 0     | 0     | 22.8  | 0       | 0.1  | 14.8  | 0    | 0.1  | 2.4  |
| 26   | 0.5     | Tr .    | 0.1     | 0     | 0     | 1.3   | 3.5     | 0    | 16.2  | 0    | 0    | 0.1  |
| 27   | Tr .    | 14.2    | 0.1     | 0     | 3.9   | 6.6   | 10.3    | 0    | 4.7   | 0    | 0.2  | 0    |
| 28   | Tr .    | 23      | 0.1     | 3.6   | 13    | 0     | 7.3     | 0    | 19.5  | 5.4  | 1    | 5.2  |
| 29   | Tr .    |         | 0.2     | 0     | 0     | 6.5   | 1.9     | 0    | 7.1   | 1    | 7.3  | 5    |
| 30   | 0.1     |         | 0.15    | 0     | 6.7   | 6.1   | 0       | 0    | 4.4   | 0    | 13.3 | 0    |
| 31   | Tr .    |         | 0.4     |       | 6.9   |       | 0       | 0    |       | 0    |      | 0.3  |
| Tot. | 123.2   | 129.2   | E 96.95 | 3.9   | 119.3 | 149.3 | 157.3   | 50.8 | 90.6  | 53.1 | 64.8 | 97   |

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Codes

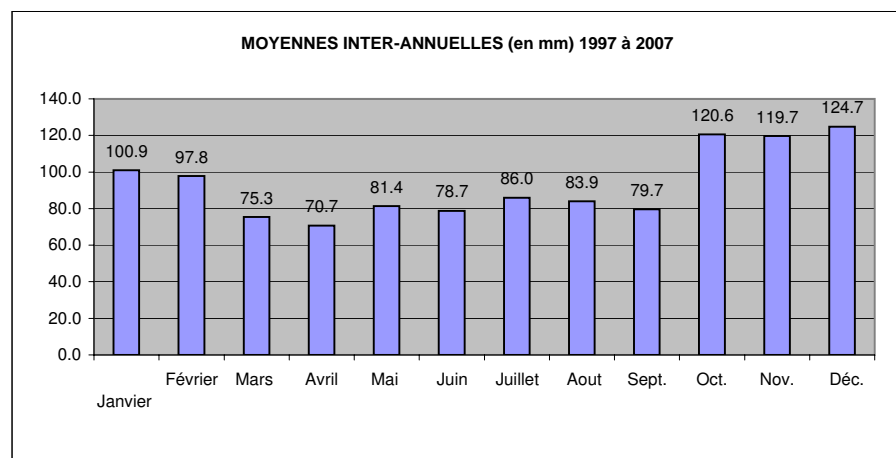
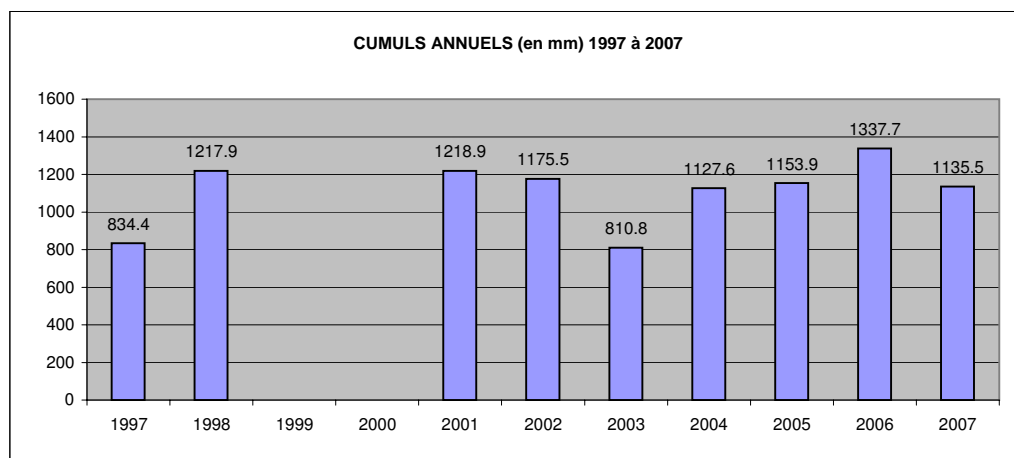
- \* Précipitations neigeuses
- E Précipitations estimées
- MQ Données manquantes
- Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)
- ( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte
- ) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### FAUQUEMBERGUES

|      | Janvier | Février | Mars  | Avril  | Mai   | Juin  | Juillet | Aout   | Sept. | Oct.  | Nov.  | Déc.  | Total annuel |
|------|---------|---------|-------|--------|-------|-------|---------|--------|-------|-------|-------|-------|--------------|
| 1997 | 3.2     | 133.1   | 22.2  | 14.2   | 80.6  | 112.8 | 22.8    | 42.2   | 5.4   | 118.9 | 155.8 | 123.2 | 834.4        |
| 1998 | 130.5   | 16.6    | 78    | 85.2   | 7.3   | 123   | 61.7    | 53.3   | 160.2 | 234.1 | 150.3 | 117.7 | 1217.9       |
| 1999 | 159.1   | 86.8    | 68.8  | 73.8   | 55.6  | 117.3 | 16.9    | 113.5  | 140.1 | 108.7 | 66.8  |       |              |
| 2000 | 60.2    | 64.9    | 47    | 145.3  | 93.6  | 34.2  | 96.3    | 29.2   | 68.9  | 209.3 |       |       |              |
| 2001 | 139     | 76.5    | 148.8 | 149.2  | 65.8  | 33.4  | 92.9    | 107.5  | 118.3 | 91.4  | 142.1 | 54    | 1218.9       |
| 2002 | 100.7   | 236.1   | 88    | 35.5   | 86.4  | 77.4  | 92.2    | 42.7   | 48.7  | 61.2  | 133.5 | 173.1 | 1175.5       |
| 2003 | 87.3    | 32.35   | 54.65 | 50.6   | 78.15 | 69.5  | 65.65   | 69.6   | 37    | 83.5  | 82.4  | 100.1 | 810.8        |
| 2004 | 176.8   | 60.9    | 51.3  | 61.7   | 55.5  | 44.5  | 114.9   | 168    | 60.3  | 95.7  | 123.5 | 114.5 | 1127.6       |
| 2005 | 89.75   | 105.9   |       | 109.15 | 98.1  | 34.3  | 163.2   | 66.5   | 114.6 | 133.4 | 139.7 | 99.3  | 1153.9       |
| 2006 | 40.6    | 133.5   | 97.7  | 48.6   | 155.2 | 70    | 62      | 179.75 | 32.5  | 136.8 | 137.7 | 243.3 | 1337.7       |
| 2007 | 123.2   | 129.2   | 96.95 | 3.9    | 119.3 | 149.3 | 157.3   | 50.8   | 90.6  | 53.1  | 64.8  | 97    | 1135.5       |

|                  |              |             |             |             |             |             |             |             |             |              |              |              |               |
|------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|---------------|
| <b>Moyenne :</b> | <b>100.9</b> | <b>97.8</b> | <b>75.3</b> | <b>70.7</b> | <b>81.4</b> | <b>78.7</b> | <b>86.0</b> | <b>83.9</b> | <b>79.7</b> | <b>120.6</b> | <b>119.7</b> | <b>124.7</b> | <b>1112.5</b> |
|------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|---------------|



[Retour au sommaire](#)

| J/M  | Janvier | Février | Mars | Avril | Mai  | Juin  | Juillet | Aout | Sept. | Oct. | Nov. | Déc.  |
|------|---------|---------|------|-------|------|-------|---------|------|-------|------|------|-------|
| 1    | 7.7     | 0       | 0    | 0     | 0    | 0.8   | 10.5    | 0    | 0     | 8.1  | 0    | 36    |
| 2    | 0.9     | 0.2     | 4.7  | 0     | 0    | 0.1   | 19.3    | 0    | 0.7   | 0.6  | 0.4  | 10.4  |
| 3    | 2.5     | 0       | 0    | 0     | 0    | 0.1   | 13.7    | 0.1  | 0.7   | 0.1  | 0.2  | 0.1   |
| 4    | 0       | 0       | 8.8  | 0     | 0    | 0     | 1.4     | 0.1  | 0     | 0.2  | 0    | 0.1   |
| 5    | 3.4     | 1       | 9.3  | 0     | 0    | 0     | 4.9     | 0.5  | 0.2   | 0.2  | 1.9  | 7.9   |
| 6    | 11.7    | 0.7     | 12.1 | 0     | 2.7  | 0     | 0       | 4.2  | 0.1   | 0.2  | 0    | 29.7  |
| 7    | 8.4     | 1.7     | 0    | 0     | 7.7  | 14.4  | 0.2     | 3.4  | 0.2   | 0.1  | 0    | 0.1   |
| 8    | 2.1     | 1.2     | 0.1  | 0     | 10.6 | 0.1   | 0.4     | 0.1  | 0     | 0    | 7.5  | 6.2   |
| 9    | 0.4     | 1.5     | 5.3  | 0     | 10.7 | 0     | 15.5    | 0.2  | 0     | 26.4 | 0    | 15.8  |
| 10   | 6.6     | 13.2    | 0    | 0     | 7.8  | 0     | 0.3     | 0.2  | 0     | 0    | 0    | 0.5   |
| 11   | 2       | 6.9     | 0    | 0     | 4.7  | 0     | 0       | 0    | 0     | 0.1  | 0.2  | 0.3   |
| 12   | 2.6     | 5.7     | 0    | 0     | 0    | 0     | 1.5     | 0.4  | 0.2   | 0.1  | 0.1  | 0     |
| 13   | 1.1     | 6.9     | 0    | 0.1   | 7.1  | 0.4   | 0.6     | 0    | 0.1   | 0.1  | 9.8  | 0.2   |
| 14   | 2.1     | 7.6     | 0    | 0     | 7.4  | 9.6   | 1.2     | 6.7  | 0.9   | 0    | 4.8  | 0     |
| 15   | 1.5     | 0       | 0    | 0     | 15.3 | 2.2   | 5.2     | 9.2  | 0     | 0.1  | 0.3  | 0     |
| 16   | 3.3     | 0       | 0    | 0     | 8.3  | 4.1   | 33.5    | 2.1  | 1.4   | 4.9  | 0    | 0     |
| 17   | 21.5    | 0       | 4.9  | 0     | 0    | 7.9   | 0       | 1.3  | 12.1  | 5.4  | 0    | 0     |
| 18   | 6       | 0       | 3.3  | 0     | 0.2  | 0.1   | 0.3     | 0.2  | 0     | 0    | 3    | 0     |
| 19   | 1.9     | 0       | 18.2 | 0     | 0    | 15.1  | 6       | 6.6  | 9.6   | 0    | 0.9  | 0     |
| 20   | 4.2     | 4.9     | 21.8 | 0     | 0    | 1.9   | 0       | 13.6 | 4.8   | 0    | 10.5 | 0.1   |
| 21   | 11      | 2.9     | 2.7  | 0     | 30   | 0.8   | 26.5    | 17.8 | 0.1   | 0    | 0    | 0     |
| 22   | 0.8     | 3       | 0    | 0     | 0    | 3.9   | 1.7     | 10.6 | 0.1   | 0    | 2.9  | 0.2   |
| 23   | 12.5    | 4.6     | 1.7  | 0     | 0    | 0     | 30.7    | 1.7  | 0     | 0    | 0.9  | 0.1   |
| 24   | 1.9     | 7.2     | 2.7  | 0     | 0    | 18.4  | 0.2     | 0.1  | 3.9   | 0    | 4.2  | 0.1   |
| 25   | 0       | 2.7     | 0    | 0     | 0    | 31.3  | 0.1     | 0.2  | 17.3  | 0    | 0.3  | 4.4   |
| 26   | 0.5     | 0       | 0    | 0     | 0.1  | 0.1   | 1.9     | 0.2  | 30.3  | 0    | 0    | 0.2   |
| 27   | 0       | 9.9     | 0    | 0     | 5.4  | 1.9   | 15.5    | 0.1  | 23    | 0    | 0.1  | 0.1   |
| 28   | 0       | 21.6    | 0    | 2.9   | 6    | 0.4   | 13.3    | 0    | 19.3  | 5.9  | 1.9  | 6.4   |
| 29   | 0       |         | 0.1  | 0     | 0    | 12.7  | 2.6     | 0    | 12.6  | 2.6  | 16.4 | 2.4   |
| 30   | 0       |         | 0.2  | 0     | 5.1  | 15.1  | 0.1     | 0.1  | 3.9   | 0    | 16.3 | 0     |
| 31   | 0       |         | 0.4  |       | 5.9  |       | 0       | 0    |       | 0    |      | 0     |
| Tot. | 116.6   | 103.4   | 96.3 | 3     | 135  | 141.4 | 207.1   | 79.7 | 141.5 | 55.1 | 82.6 | 121.3 |

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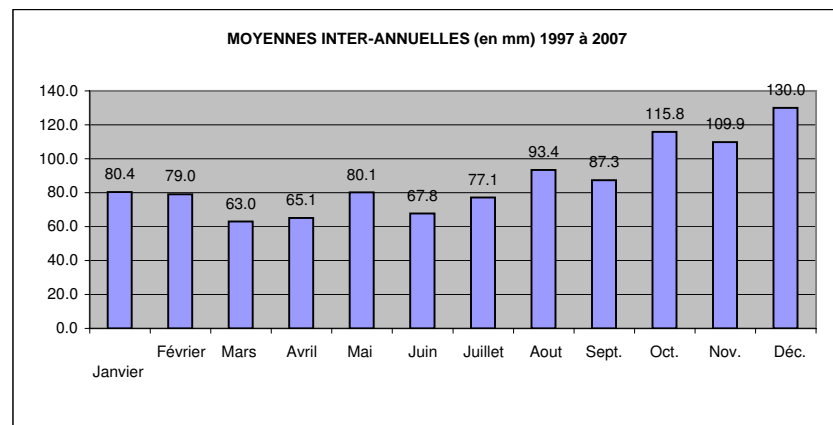
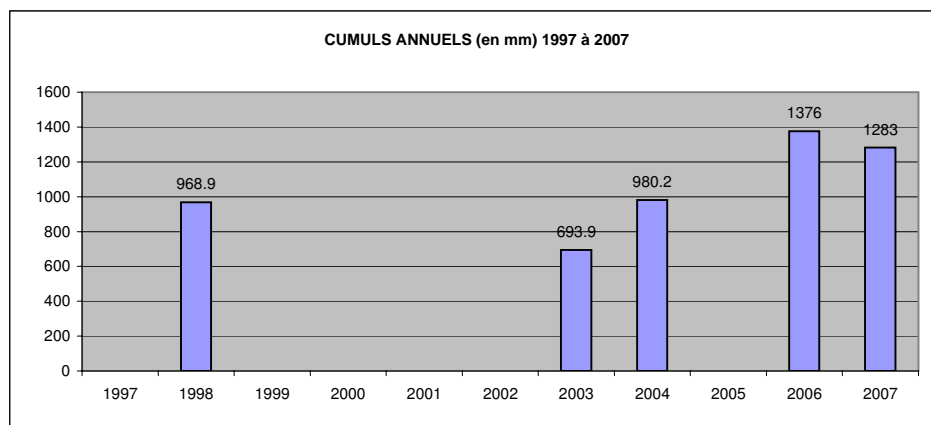
Codes

- \* Précipitations neigeuses
- E Précipitations estimées
- MQ Données manquantes
- Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)
- ( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte
- ) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### HENNEVEUX

|                  | Janvier     | Février     | Mars        | Avril       | Mai         | Juin        | Juillet     | Aout        | Sept.       | Oct.         | Nov.         | Déc.         | Total annuel  |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|---------------|
| 1997             | 4.5         | 80.1        | 17.4        | 18.7        | 85.2        | 120.1       | 26.3        | 71          | 2.5         |              | 139.6        |              |               |
| 1998             | 77.8        | 12.5        | 60.5        | 72          | 8.5         | 100.4       | 50.2        | 38.7        | 176.5       | 190.8        | 102.3        | 78.7         | 968.9         |
| 1999             | 101.6       | 65.3        | 52.6        | 67.9        | 38          |             | 6.5         | 117.5       | 180.6       | 89.9         | 58.4         | 232.8        |               |
| 2000             | 46.4        | 71.9        | 55.1        | 134.1       | 113         | 23.8        | 83.9        | 24.9        | 111.4       | 251.1        |              | 97.4         |               |
| 2001             | 107.5       | 89.8        | 116.8       | 118.9       |             | 15.8        |             |             |             | 104.7        | 139.7        | 65           |               |
| 2002             | 89.2        | 210.7       | 74          | 35.1        | 82.1        | 97.3        | 84.1        | 35.1        | 66.6        | 51.3         |              | 133.4        |               |
| 2003             | 95.5        | 8.9         | 37.7        | 49.6        | 53.1        | 43.1        | 85          | 47.9        | 24.4        | 68           | 89.2         | 91.5         | 693.9         |
| 2004             | 124.3       | 39.3        | 38.8        | 68          | 62.7        | 29.4        | 88          | 147.2       | 41.9        | 118.3        | 105.3        | 117          | 980.2         |
| 2005             |             |             |             | 118.8       | 79.8        | 44.8        | 97.2        | 78.2        | 93.4        | 86.7         | 106.8        | 128.9        |               |
| 2006             | 40.3        | 108.2       | 80.7        | 29.6        | 143.9       | 61.5        | 42.8        | 293.9       | 34.2        | 142.4        | 165          | 233.5        | 1376          |
| 2007             | 116.6       | 103.4       | 96.3        | 3           | 135         | 141.4       | 207.1       | 79.7        | 141.5       | 55.1         | 82.6         | 121.3        | 1283          |
| <b>Moyenne :</b> | <b>80.4</b> | <b>79.0</b> | <b>63.0</b> | <b>65.1</b> | <b>80.1</b> | <b>67.8</b> | <b>77.1</b> | <b>93.4</b> | <b>87.3</b> | <b>115.8</b> | <b>109.9</b> | <b>130.0</b> | <b>1060.4</b> |



[Retour au sommaire](#)



| J/M  | Janvier | Février | Mars | Avril | Mai   | Juin  | Juillet | Aout | Sept. | Oct. | Nov. | Déc.  |
|------|---------|---------|------|-------|-------|-------|---------|------|-------|------|------|-------|
| 1    | 10.3    | 0.2     | 0    | 0     | 0     | 0.5   | 13.8    | 0    | 0     | 18   | 0    | 8.2   |
| 2    | 0.5     | 0.2     | 10.3 | 0     | 0.1   | 0.2   | 10.2    | 0    | 2.1   | 2.1  | 0.4  | 15.5  |
| 3    | 1.7     | 0.4     | 0.2  | 0.1   | 0     | 0.1   | 15.3    | 0.1  | 0     | 0.5  | 0.7  | 0     |
| 4    | 0       | 0.3     | 6.1  | 0.2   | 0     | 0.1   | 1.7     | 0    | 0     | 0.3  | 0.1  | 0.1   |
| 5    | 2.2     | 1.6     | 8.3  | 0.1   | 0.1   | 0     | 3       | 0    | 0.2   | 0.3  | 1.4  | 3     |
| 6    | 8.5     | 2.1     | 9.8  | 0.1   | 2.5   | 0     | 0.3     | 2    | 0.1   | 0.4  | 0    | 30.6  |
| 7    | 4.3     | 0.3     | 0.2  | 0.2   | 6     | 26    | 0.2     | 10   | 0.2   | 0.3  | 0    | 0     |
| 8    | 2.6     | 6.7     | 0.1  | 0     | 9.2   | 0.4   | 0.2     | 0    | 0     | 0.1  | 7    | 8.4   |
| 9    | 0.4     | 2.8     | 1.3  | 0     | 7.5   | 0.1   | 0.4     | 0.2  | 0     | 13.7 | 0.1  | 11    |
| 10   | 5.8     | 14.6    | 0.1  | 0     | 4.4   | 0     | 1.5     | 0    | 0.2   | 0.1  | 0.2  | 9     |
| 11   | 0       | 8.3     | 0.1  | 0     | 11.8  | 0     | 0       | 0.1  | 0.4   | 0.2  | 2.9  | 1     |
| 12   | 1.5     | 10.1    | 0.2  | 0     | 0.4   | 0.1   | 0.3     | 0.2  | 0.1   | 0    | 0.2  | 0.2   |
| 13   | 0.8     | 6.2     | 0.1  | 0.1   | 3.4   | 0.7   | 0.3     | 0    | 0.2   | 0.2  | 7    | 0.2   |
| 14   | 0.2     | 8.2     | 0.1  | 0     | 3.5   | 16.6  | 0       | 11.8 | 1.4   | 0.3  | 1.6  | 0     |
| 15   | 0       | 0.1     | 0.1  | 0     | 9.9   | 0.8   | 6.4     | 5.1  | 0     | 0.1  | 0.6  | 0     |
| 16   | 0       | 0       | 0    | 0.1   | 5.3   | 10.1  | 18.7    | 0.8  | 0.1   | 3.4  | 0.4  | 0     |
| 17   | 17.4    | 0       | 3.6  | 0     | 0     | 11.3  | 0       | 6.7  | 0     | 2.6  | 0.1  | 0     |
| 18   | 11.3    | 0.1     | 1.6  | 0     | 1.4   | 1     | 0.2     | 0    | 9     | 0.1  | 1.3  | 0     |
| 19   | 1.8     | 0.1     | 15.5 | 0     | 0.1   | 18.7  | 15.9    | 5.6  | 2.4   | 0    | 1.2  | 0     |
| 20   | 8       | 2.3     | 17.4 | 0.1   | 2.1   | 0     | 0.3     | 2.6  | 0     | 0    | 10.2 | 0     |
| 21   | 11.5    | 1       | 9.5  | 0     | 13.7  | 1.1   | 0.5     | 10.7 | 0.2   | 0.3  | 0.2  | 0     |
| 22   | 0       | 1.2     | 0    | 0     | 0.2   | 6.6   | 1.8     | 5.2  | 0.3   | 0    | 0.9  | 1     |
| 23   | 0.3     | 7.4     | 2.2  | 0     | 0     | 0.1   | 50.7    | 1.5  | 0     | 0.4  | 1.8  | 0.1   |
| 24   | 3.5     | 6.6     | 2.3  | 0     | 0     | 8.5   | 0.2     | 0.1  | 5.6   | 0    | 4.2  | 0.2   |
| 25   | 0       | 3.1     | 0    | 0     | 0     | 3.9   | 0       | 0.3  | 18.9  | 0    | 0.1  | 1.8   |
| 26   | 0.7     | 0.1     | 0    | 0     | 0     | 0.2   | 5       | 0.2  | 17.7  | 0    | 0.1  | 0.2   |
| 27   | 5.5     | 14      | 0    | 0     | 4.5   | 3.9   | 8.5     | 0    | 7.5   | 0    | 0    | 0.1   |
| 28   | 0       | 24.6    | 0.1  | 8.8   | 26.8  | 0     | 5.2     | 0    | 18.6  | 3.8  | 0.3  | 6.9   |
| 29   | 0.2     |         | 0    | 0.1   | 0.1   | 4.4   | 2.7     | 0    | 7.4   | 2.5  | 6    | 4.8   |
| 30   | 0       |         | 0.1  | 0     | 6.8   | 4.1   | 0.8     | 0    | 3.5   | 0.1  | 9    | 0     |
| 31   | 0       |         | 0.1  |       | 6.6   |       | 0       | 0.1  |       | 0    |      | 0.8   |
| Tot. | 99      | 122.6   | 89.4 | 9.9   | 126.4 | 119.5 | 164.1   | 63.3 | 96.1  | 49.8 | 58   | 103.1 |

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Codes

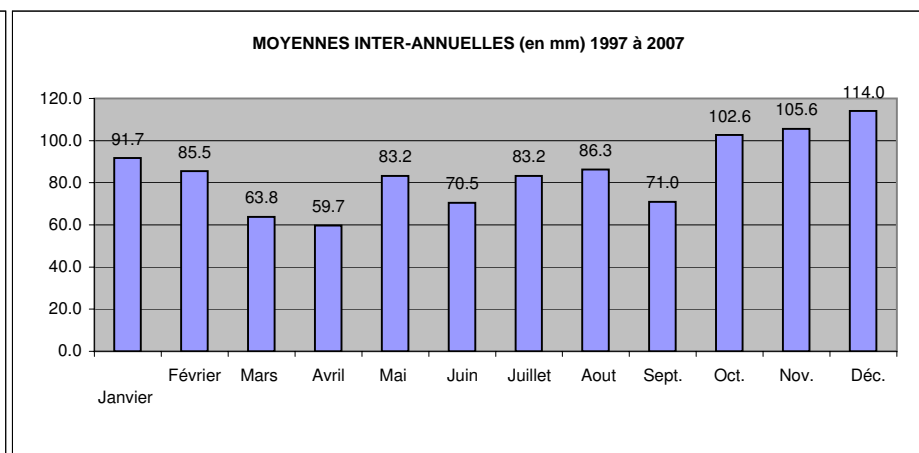
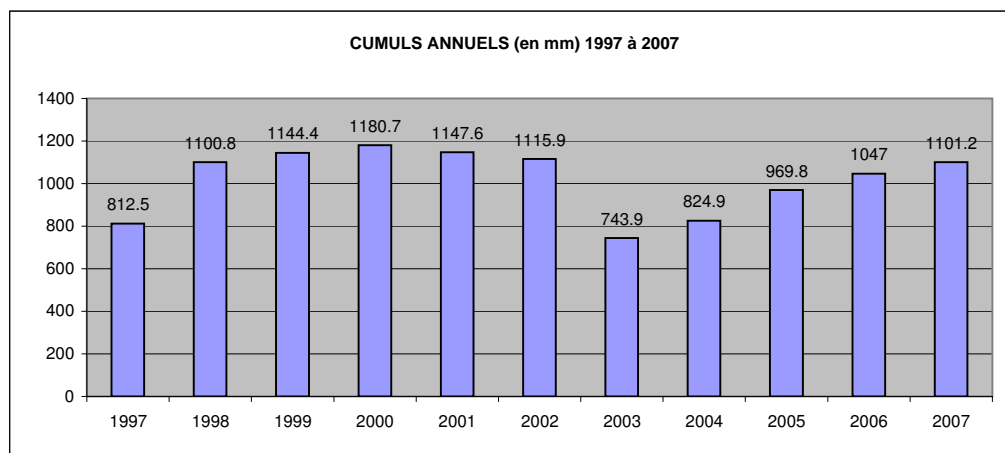
- \* Précipitations neigeuses
- E Précipitations estimées
- MQ Données manquantes
- Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)
- ( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte
- ) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### HERBELLES

|             | Janvier | Février | Mars  | Avril | Mai   | Juin  | Juillet | Aout  | Sept. | Oct.  | Nov.  | Déc.  | Total annuel  |
|-------------|---------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|---------------|
| <b>1997</b> | 5.1     | 108.5   | 21.7  | 15.8  | 104.1 | 127.7 | 31.3    | 59.2  | 3.8   | 95.2  | 129.2 | 110.9 | <b>812.5</b>  |
| <b>1998</b> | 146.1   | 16.3    | 67.9  | 73.8  | 17.9  | 105.5 | 49.6    | 69.9  | 132   | 187.4 | 128.2 | 106.2 | <b>1100.8</b> |
| <b>1999</b> | 136.1   | 71.3    | 55.7  | 69.5  | 62    | 85.3  | 12.7    | 125.5 | 124   | 107.8 | 61.1  | 233.4 | <b>1144.4</b> |
| <b>2000</b> | 50.5    | 71.3    | 63.8  | 120.4 | 123.3 | 30.7  | 111.7   | 28.5  | 84.2  | 203.9 | 191.4 | 101   | <b>1180.7</b> |
| <b>2001</b> | 124.6   | 72.8    | 154.1 | 126.2 | 45.3  | 44.2  | 80.4    | 85.6  | 148.2 | 84    | 122.6 | 59.6  | <b>1147.6</b> |
| <b>2002</b> | 101.4   | 207.8   | 83.3  | 33.5  | 79.9  | 73    | 84      | 77.8  | 47.7  | 66.7  | 130.1 | 130.7 | <b>1115.9</b> |
| <b>2003</b> | 105.2   | 30.2    | 33.2  | 49    | 76    | 73.6  | 63.2    | 60.4  | 27.5  | 73    | 73.4  | 79.2  | <b>743.9</b>  |
| <b>2004</b> | 141.3   | 49.6    | 37.2  | 36.6  | 55.2  | 37    | 95.3    | 126.8 | 34.9  | 56.5  | 79.9  | 74.6  | <b>824.9</b>  |
| <b>2005</b> | 74.4    | 86.8    | 34.9  | 87.2  | 81.3  | 24.3  | 168     | 98.8  | 51.3  | 93.9  | 94    | 74.9  | <b>969.8</b>  |
| <b>2006</b> | 24.8    | 103.5   | 60.4  | 34.7  | 143.9 | 54.9  | 55.3    | 154   | 31.1  | 110.6 | 93.2  | 180.6 | <b>1047</b>   |
| <b>2007</b> | 99      | 122.6   | 89.4  | 9.9   | 126.4 | 119.5 | 164.1   | 63.3  | 96.1  | 49.8  | 58    | 103.1 | <b>1101.2</b> |

|                  |             |             |             |             |             |             |             |             |             |              |              |              |               |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|---------------|
| <b>Moyenne :</b> | <b>91.7</b> | <b>85.5</b> | <b>63.8</b> | <b>59.7</b> | <b>83.2</b> | <b>70.5</b> | <b>83.2</b> | <b>86.3</b> | <b>71.0</b> | <b>102.6</b> | <b>105.6</b> | <b>114.0</b> | <b>1017.2</b> |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|---------------|



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| J/M  | Janvier | Février | Mars | Avril | Mai  | Juin | Juillet | Aout | Sept. | Oct. | Nov. | Déc.  |
|------|---------|---------|------|-------|------|------|---------|------|-------|------|------|-------|
| 1    | 4.7     | 0.1     | 0    | 0     | 0    | 0.4  | 12.9    | 1    | 0     | 16.7 | 0    | 9.1   |
| 2    | 0.8     | 0.1     | 15   | 0.1   | 0    | 10.6 | 3.7     | 0    | 1.5   | 0.7  | 0.6  | 16.5  |
| 3    | 1.1     | 0.2     | 0.2  | 0     | 0    | 0    | 21.4    | 0    | 0.2   | 0.5  | 0.4  | 0.1   |
| 4    | 0       | 0.2     | 7    | 0     | 0    | 0    | 5.1     | 0    | 0.1   | 0.2  | 0    | 0.1   |
| 5    | 5.4     | 1       | 6.3  | 0.2   | 0    | 0    | 2.3     | 0    | 0     | 0.3  | 1.5  | 2.4   |
| 6    | 5.8     | 1.5     | 12.2 | 0     | 0    | 0    | 0.1     | 3    | 0     | 0.2  | 0    | 33.7  |
| 7    | 3       | 0.1     | 1.2  | 0.1   | 0    | 22.8 | 0.1     | 10.7 | 0.1   | 0.2  | 0    | 0.1   |
| 8    | 3.3     | 5.5     | 0    | 0     | 0    | 3.3  | 0.1     | 0    | 0.1   | 0    | 7.4  | 9.1   |
| 9    | 0.3     | 0.8     | 1.6  | 0     | 0    | 0.1  | 0       | 2.3  | 0     | 14.3 | 0.4  | 15.5  |
| 10   | 0       | 15.4    | 0    | 0     | 0    | 0.1  | 0.1     | 0    | 0     | 0.1  | 0.4  | 17    |
| 11   | 6.9     | 9.8     | 0    | 0.1   | 16   | 0    | 0       | 0    | 0     | 0.1  | 3.8  | 2.7   |
| 12   | 1.2     | 7.5     | 0.1  | 0     | 0.3  | 0    | 2.2     | 0.1  | 0     | 0.2  | 0.1  | 0.2   |
| 13   | 22.6    | 5.5     | 0.2  | 0     | 2.4  | 0.1  | 0       | 0    | 0.1   | 0.2  | 8.6  | 0.1   |
| 14   | 0       | 7.4     | 0.1  | 0.1   | 1.9  | 0.6  | 0       | 7.2  | 0.6   | 0.2  | 0.4  | 0     |
| 15   | 0.2     | 0.1     | 0.1  | 0     | 7.5  | 0.3  | 13.4    | 1.1  | 0     | 0    | 0    | 0     |
| 16   | 0.3     | 0       | 0    | 0     | 7.4  | 0.2  | 15      | 6.9  | 0.1   | 1.9  | 0.8  | 0     |
| 17   | 15.6    | 0.1     | 2.2  | 0.1   | 0.2  | 0.1  | 0.1     | 0.3  | 18.2  | 1.1  | 0.3  | 0     |
| 18   | 8.5     | 0       | 1.9  | 0     | 0.3  | 0.1  | 0       | 0    | 1.3   | 0    | 1.1  | 0     |
| 19   | 1.5     | 0       | 6.5  | 0     | 0    | 0.1  | 0       | 17.1 | 0     | 0    | 0.7  | 0     |
| 20   | 9       | 1.9     | 16.3 | 0     | 4.3  | 27.2 | 0.1     | 6.9  | 0     | 0    | 11.5 | 0     |
| 21   | 17      | 2.3     | 4.6  | 0     | 0.2  | 0.7  | 8       | 14.9 | 0.3   | 0.4  | 0.2  | 0     |
| 22   | 3.7     | 1.4     | 0.1  | 0     | 0.1  | 8.8  | 0.8     | 10.4 | 0.1   | 0    | 1.2  | 0.1   |
| 23   | 0       | 11      | 1.5  | 0     | 0    | 0.1  | 41.3    | 0.1  | 0     | 0.2  | 0.4  | 0.1   |
| 24   | 1       | 9.5     | 1.1  | 0     | 0    | 8.3  | 0.1     | 1.7  | 9.7   | 0.1  | 1.2  | 0     |
| 25   | 0       | 3.3     | 0    | 0     | 0    | 9.4  | 0       | 0.2  | 4.2   | 0    | 0    | 3.3   |
| 26   | 0.8     | 1       | 0    | 0     | 0    | 2.5  | 0.9     | 0.1  | 15.3  | 0    | 0    | 0.1   |
| 27   | 1.2     | 5.6     | 0    | 0     | 4    | 5.7  | 7.2     | 0    | 4.4   | 0    | 0.1  | 0     |
| 28   | 0       | 18      | 0.1  | 0     | 1.6  | 0    | 11.8    | 0    | 8.6   | 5.6  | 0.3  | 2     |
| 29   | 0.4     |         | 1.7  | 0     | 1.1  | 6.8  | 5.8     | 0.1  | 8     | 4.6  | 4.2  | 5.3   |
| 30   | 0       |         | 0.2  | 0     | 0.4  | 1.7  | 0.7     | 0    | 2.2   | 0.1  | 5.5  | 0     |
| 31   | 0       |         | 2    |       | 0.9  |      | 0.1     | 0    |       | 0    |      | 0.2   |
| Tot. | 114.3   | 109.3   | 82.2 | 0.7   | 48.6 | 110  | 153.3   | 84.1 | 75.1  | 47.9 | 51.1 | 117.7 |

[Retour au sommaire](#)

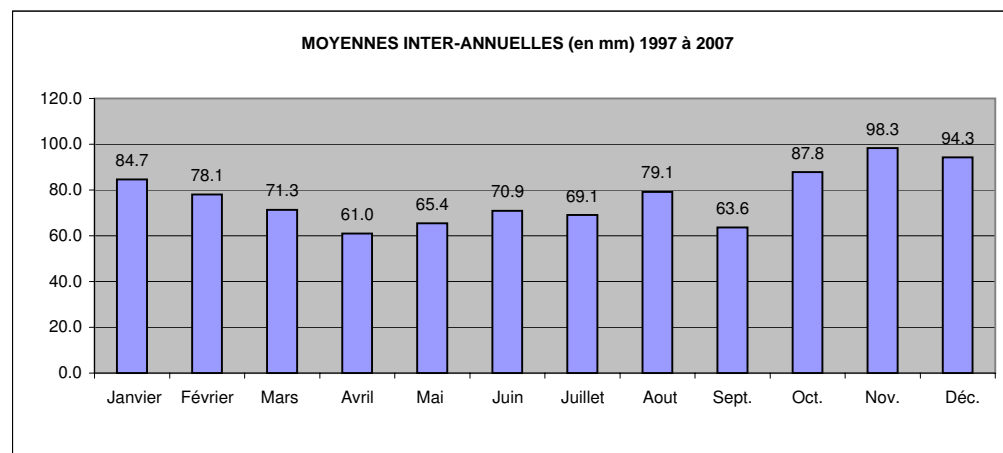
Codes

- \* Précipitations neigeuses
- E Précipitations estimées
- MQ Données manquantes
- Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)
- ( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte
- ) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### OURTON

|                  | Janvier     | Février     | Mars        | Avril       | Mai         | Juin        | Juillet     | Aout        | Sept.       | Oct.        | Nov.        | Déc.        | Total annuel |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 1997             | 2.9         | 97.6        | 23.7        | 20          | 86.7        |             | 29.6        | 59.7        | 4.6         | 105.3       | 110.2       | 108.2       |              |
| 1998             | 123         | 16.9        | 78          | 86.8        | 10.8        | 115.4       | 50.2        | 48          | 95          | 163.7       | 94.4        | 82.6        | 964.8        |
| 1999             | 118.8       | 60.4        | 51.6        | 70.1        | 59.5        | 65.7        |             |             |             |             |             |             |              |
| 2000             |             | 60.4        | 60.3        | 100.1       | 85.3        | 46.2        | 96.9        | 32.6        | 67.9        | 168.9       | 165.3       |             |              |
| 2001             |             | 38.1        | 162.4       | 139.8       | 30.7        | 23.7        |             | 131.8       | 187         | 89          | 101.5       | 49.9        |              |
| 2002             | 101.6       | 202.1       | 84.7        | 29.7        |             |             | 47.8        | 150         | 65.6        | 103.8       | 155.7       | 163.2       |              |
| 2003             | 103.1       | 17.6        | 24.1        | 71.5        |             |             | 50.5        | 23.6        | 28.2        | 49.6        | 71          | 82.9        |              |
| 2004             |             |             |             |             |             |             |             |             |             |             |             |             |              |
| 2005             |             |             |             |             |             |             |             |             | 24.5        | 2.5         |             | 18.1        |              |
| 2006             | 29          | 100.3       | 74.8        | 30.6        | 136.4       | 64.6        | 55.7        | 103         | 24.4        | 59.6        | 37.5        | 131.4       | 847.3        |
| 2007             | 114.3       | 109.3       | 82.2        | 0.7         | 48.6        | 110         | 153.3       | 84.1        | 75.1        | 47.9        | 51.1        | 117.7       | 994.3        |
| <b>Moyenne :</b> | <b>84.7</b> | <b>78.1</b> | <b>71.3</b> | <b>61.0</b> | <b>65.4</b> | <b>70.9</b> | <b>69.1</b> | <b>79.1</b> | <b>63.6</b> | <b>87.8</b> | <b>98.3</b> | <b>94.3</b> | <b>935.5</b> |



[Retour au sommaire](#)

| J/M  | Janvier | Février | Mars | Avril | Mai  | Juin | Juillet | Aout | Sept. | Oct. | Nov. | Déc. |
|------|---------|---------|------|-------|------|------|---------|------|-------|------|------|------|
| 1    | 8       | 0       | 0    | 0     | 0    | 0.1  | 7.5     | 0    | 0     | 14.2 | 0    | 21.3 |
| 2    | 1.7     | 0.1     | 8.6  | 0     | 0    | 0    | 6.1     | 0    | 0.9   | 0.7  | 0.3  | 13   |
| 3    | 2.3     | 0.2     | 0    | 0.1   | 0    | 0    | 5       | 0    | 0     | 0    | 0.4  | 0    |
| 4    | 0       | 0.1     | 5.5  | 0     | 0    | 0    | 0.4     | 0    | 0     | 0.2  | 0.1  | 0    |
| 5    | 0.2     | 0.9     | 6.2  | 0.1   | 0.1  | 0    | 2.1     | 0    | 0     | 0.1  | 2.1  | 3.3  |
| 6    | 7       | 2.8     | 6.6  | 0     | 0.8  | 0    | 0       | 1.6  | 0.1   | 0.2  | 0    | 16.7 |
| 7    | 2.2     | 5.5     | 0.4  | 0.1   | 3.7  | 12.1 | 0       | 2.3  | 0     | 0.1  | 0    | 0    |
| 8    | 1.3     | 1.5     | 0.2  | 0.1   | 5.4  | 0.2  | 0       | 0.4  | 0.1   | 0    | 5.2  | 5.3  |
| 9    | 0.5     | 2.5     | 0.5  | 0     | 4.4  | 0    | 1.4     | 0.2  | 0     | 14.8 | 0.4  | 8.8  |
| 10   | 4.9     | 13.4    | 0    | 0     | 3.2  | 0    | 0       | 0    | 0     | 0    | 0    | 10.6 |
| 11   | 3.4     | 5.1     | 0    | 0     | 3.7  | 0    | 0       | 0    | 0     | 0    | 1.1  | 1.6  |
| 12   | 0.5     | 3.5     | 0    | 0     | 0.3  | 0    | 0       | 0.3  | 0     | 0.1  | 0    | 0.1  |
| 13   | 0       | 6.4     | 0    | 0.1   | 4.1  | 1    | 0       | 0    | 0     | 0.1  | 8.3  | 0.1  |
| 14   | 1.4     | 6.9     | 0.1  | 0.1   | 3.1  | 8.5  | 0       | 3.5  | 1     | 0    | 2.1  | 0    |
| 15   | 0       | 0.1     | 0.1  | 0     | 6.4  | 0    | 9.2     | 4.9  | 0.1   | 0    | 0.5  | 0    |
| 16   | 0.5     | 0       | 0    | 0.1   | 6.8  | 8    | 18      | 0.2  | 0     | 2.6  | 0.6  | 0    |
| 17   | 14      | 0       | 2.4  | 0     | 0.5  | 6.1  | 0       | 0.7  | 18.5  | 0.9  | 0.1  | 0    |
| 18   | 5       | 0.1     | 2.1  | 0     | 0    | 0    | 0       | 0    | 11.3  | 0    | 1.4  | 0    |
| 19   | 0.3     | 0       | 12.6 | 0     | 0    | 19   | 6.1     | 7.3  | 1     | 0.1  | 0.9  | 0    |
| 20   | 4.1     | 1.8     | 17.3 | 0     | 2.1  | 0    | 0.5     | 2.9  | 0     | 0    | 10.6 | 0    |
| 21   | 8.5     | 1.6     | 3.2  | 0.1   | 8.5  | 0.8  | 0.3     | 7.3  | 0     | 0.2  | 0.1  | 0    |
| 22   | 0       | 0.6     | 0    | 0     | 0    | 0    | 10      | 1.8  | 0     | 0    | 0.3  | 0.1  |
| 23   | 1.3     | 5.3     | 1.2  | 0     | 0.1  | 0    | 38.6    | 0    | 0     | 0.1  | 0.7  | 0.1  |
| 24   | 7.7     | 3.5     | 0.5  | 0     | 0    | 7.5  | 0       | 0    | 4     | 0.1  | 2.2  | 0    |
| 25   | 0.5     | 1.7     | 0    | 0     | 0    | 11   | 0       | 0.1  | 10.1  | 0    | 0    | 2    |
| 26   | 6.2     | 0       | 0    | 0     | 0    | 0    | 1.7     | 0    | 32    | 0    | 0    | 0.1  |
| 27   | 0.3     | 4.4     | 0    | 0     | 3.5  | 1.7  | 5       | 0    | 7.4   | 0    | 0.1  | 0    |
| 28   | 0       | 13.2    | 0.1  | 0.2   | 10.7 | 0.2  | 2.4     | 0    | 19.8  | 2.9  | 0    | 5.7  |
| 29   | 0.1     |         | 0    | 0     | 0    | 3.7  | 2       | 0    | 13.8  | 2.3  | 4.4  | 0.8  |
| 30   | 0       |         | 0    | 0     | 4.1  | 7.3  | 0       | 0    | 3.6   | 0.1  | 6.6  | 0    |
| 31   | 0       |         | 0    |       | 4.5  |      | 0       | 0    |       | 0    |      | 0.4  |
| Tot. | 81.9    | 81.2    | 67.6 | 1     | 76   | 87.2 | 116.3   | 33.5 | 123.7 | 39.8 | 48.5 | 90   |

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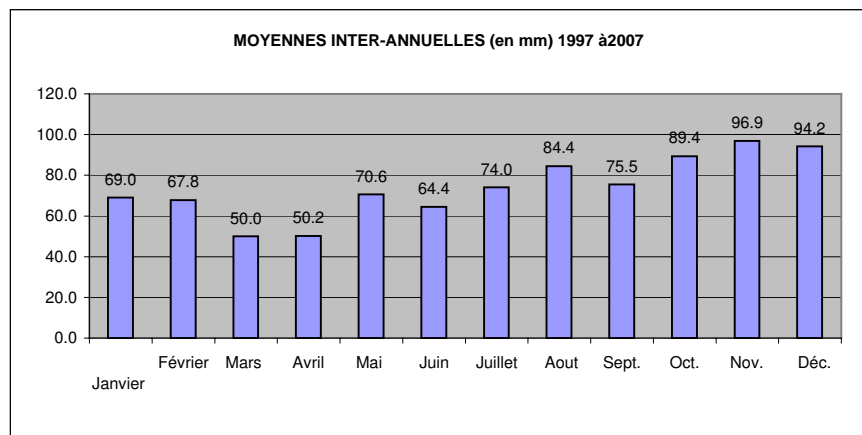
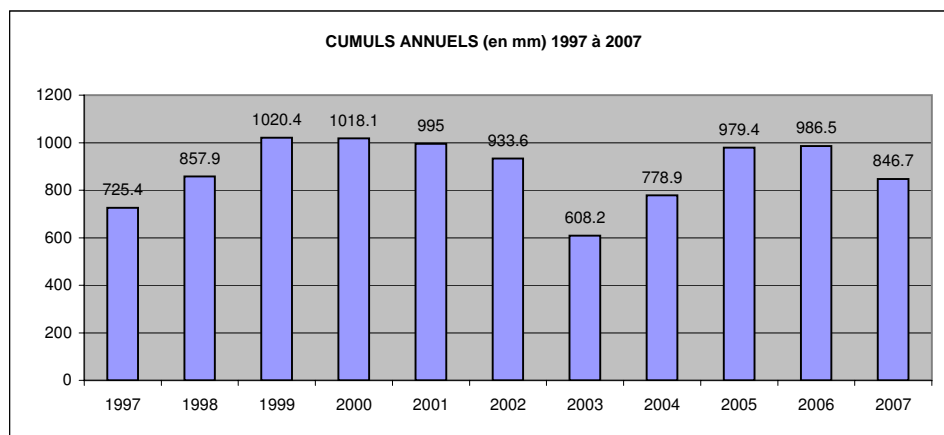
Codes

- \* Précipitations neigeuses
- E Précipitations estimées
- MQ Données manquantes
- Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)
- ( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte
- ) Indique la fin de la ventilation.

## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### SAINT OMER

|                  | Janvier     | Février     | Mars        | Avril       | Mai         | Juin        | Juillet     | Aout        | Sept.       | Oct.        | Nov.        | Déc.        | Total annuel |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 1997             | 4.3         | 76.4        | 17.3        | 17.9        | 119         | 100.3       | 23.9        | 44.6        | 2           | 86.4        | 131.2       | 102.1       | 725.4        |
| 1998             | 103.5       | 11.3        | 52.4        | 51.5        | 11.7        | 90.9        | 33.2        | 34.2        | 140.4       | 143.8       | 113.6       | 71.4        | 857.9        |
| 1999             | 105.2       | 56.2        | 40.8        | 67.3        | 57.7        | 81.9        | 10          | 142         | 128.4       | 58          | 70          | 202.9       | 1020.4       |
| 2000             | 31.8        | 47.5        | 39.6        | 130.5       | 110.8       | 26.2        | 135.9       | 32.5        | 72          | 166.1       | 135.1       | 90.1        | 1018.1       |
| 2001             | 85.8        | 67.9        | 124.3       | 103         | 33.6        | 48.4        | 84          | 71.8        | 152.2       | 80.4        | 95.9        | 47.7        | 995          |
| 2002             | 71.6        | 169.8       | 62.9        | 26.4        | 62.2        | 71.6        | 75.2        | 65.4        | 57.5        | 67.7        | 102.8       | 100.5       | 933.6        |
| 2003             | 58.3        | 18.2        | 24.3        | 24.8        | 59.7        | 60.5        | 40.7        | 71.5        | 23.6        | 89.4        | 75.5        | 61.7        | 608.2        |
| 2004             | 131.9       | 46.7        | 34          | 31.7        | 56.1        | 37.9        | 89.5        | 144.9       | 39.7        | 41.6        | 80.4        | 44.5        | 778.9        |
| 2005             | 57          | 69.2        | 31.5        | 73.5        | 72.9        | 47          | 171.3       | 103.5       | 58.7        | 96.3        | 104.5       | 94          | 979.4        |
| 2006             | 27.4        | 101.4       | 55.8        | 24.5        | 116.4       | 56.6        | 34.1        | 185         | 32          | 113.4       | 108.6       | 131.3       | 986.5        |
| 2007             | 81.9        | 81.2        | 67.6        | 1           | 76          | 87.2        | 116.3       | 33.5        | 123.7       | 39.8        | 48.5        | 90          | 846.7        |
| <b>Moyenne :</b> | <b>69.0</b> | <b>67.8</b> | <b>50.0</b> | <b>50.2</b> | <b>70.6</b> | <b>64.4</b> | <b>74.0</b> | <b>84.4</b> | <b>75.5</b> | <b>89.4</b> | <b>96.9</b> | <b>94.2</b> | <b>886.4</b> |



[Retour au sommaire](#)

| J/M  | Janvier | Février | Mars | Avril | Mai   | Juin  | Juillet | Aout | Sept. | Oct. | Nov. | Déc.  |
|------|---------|---------|------|-------|-------|-------|---------|------|-------|------|------|-------|
| 1    | E 7.00  | 0       | 0    | 0     | 0     | 0.8   | 10.1    | 0    | 0     | 7.7  | 0    | 25.6  |
| 2    | E 0.70  | 0.1     | 7.2  | 0     | 0     | 0.1   | 12.1    | 0    | 1.8   | 0.6  | 0.1  | 12.6  |
| 3    | E 4.00  | 0       | 0    | 0     | 0     | 0     | 6.6     | 0    | 1     | 0.2  | 0.2  | 0     |
| 4    | 0       | 0       | 8.3  | 0     | 0     | 0     | 0.9     | 0.1  | 0     | 0    | 0    | 0.4   |
| 5    | 2.7     | 0       | 9.7  | 0     | 0     | 0     | 5.2     | 0.6  | 0     | 0    | 1.6  | 3.9   |
| 6    | 10.4    | 0.7     | 12.3 | 0     | 1.7   | 0     | 0.1     | 1.9  | 0.1   | 0    | 0    | 32.3  |
| 7    | 7       | 6       | 0.4  | 0     | 4.6   | 11.9  | 0       | 1.8  | 0     | 0    | 0    | 0     |
| 8    | 2.2     | 0.3     | 0.2  | 0     | 10    | 0     | 1       | 0.2  | 0     | 0    | 7.7  | 8.9   |
| 9    | 0.3     | 2.2     | 6.4  | 0     | 7     | 0     | 2.7     | 0.1  | 0     | 29.6 | 0    | 15.6  |
| 10   | 5       | 14.1    | 0    | 0     | 7.3   | 0     | 0.6     | 0    | 0     | 0    | 0    | 0.1   |
| 11   | 0.8     | 7       | 0    | 0     | 4.6   | 0     | 0       | 0    | 0     | 0    | 1.5  | 0     |
| 12   | 2.5     | 3.7     | 0    | 0     | 0     | 0     | 2       | 0.1  | 0     | 0.2  | 0    | 0     |
| 13   | 0.4     | 7.3     | 0    | 0     | 5.7   | 0.4   | 0.4     | 0    | 0     | 0    | 11.3 | 0     |
| 14   | 1.1     | 6.8     | 0    | 0     | 12    | 4.8   | 1       | 7.3  | 0.2   | 0    | 4.3  | 0     |
| 15   | 1.2     | 0       | 0    | 0     | 12.7  | 3.6   | 5.4     | 6.8  | 0     | 0    | 0.1  | 0     |
| 16   | 2.4     | 0       | 0    | 0     | 9.1   | 2.9   | 31.1    | 1.6  | 1.8   | 6.1  | 0    | 0     |
| 17   | 18.5    | 0       | 2.7  | 0     | 0     | 4.5   | 0       | 0.1  | 6.8   | 6.8  | 0    | 0     |
| 18   | 3.6     | 0       | 0.1  | 0     | 0.1   | 0.1   | 0.1     | 0    | 0     | 0    | 4.4  | 0     |
| 19   | 1.3     | 0       | 5    | 0     | 0     | 35.5  | 8.5     | 5    | 8.5   | 0.1  | 1.5  | 0     |
| 20   | 2.4     | 4.2     | 15.3 | 0     | 0.3   | 4     | 0.1     | 11.6 | 3.7   | 0    | 12.3 | 0     |
| 21   | 9.8     | 1.1     | 5.1  | 0     | 17.4  | 3.1   | 15.6    | 13.3 | 0     | 0    | 0    | 0     |
| 22   | 0.5     | 2.8     | 0    | 0     | 0     | 4.3   | 2.6     | 22.5 | 0     | 0    | 1.7  | 0     |
| 23   | 10.4    | 6.9     | 1.4  | 0     | 0     | 0     | 33.7    | 2.5  | 0.1   | 0    | 1    | 0     |
| 24   | 4.3     | 6.4     | 2.2  | 0     | 0     | 22    | 0.2     | 0.5  | 4.7   | 0    | 2.2  | 0     |
| 25   | 0       | 2.7     | 0    | 0     | 0     | 27.2  | 0       | 0.1  | 14.4  | 0    | 0.9  | 5.4   |
| 26   | 0.4     | 0       | 0    | 0     | 0     | 1.1   | 2.5     | 0.1  | 25.2  | 0    | 0    | 0     |
| 27   | 0       | 8.9     | 0    | 0     | 3.7   | 1.6   | 13.3    | 0    | 20.2  | 0.7  | 0.4  | 0     |
| 28   | 0       | 15.4    | 0    | 3.2   | 3.8   | 0.1   | 12.3    | 0    | 14.5  | 8.4  | 1.6  | 6.7   |
| 29   | 0       |         | 0    | 0     | 0     | 11.4  | 3.4     | 0    | 12.3  | 6    | 13.4 | 1.4   |
| 30   | 0       |         | 0.2  | 0     | 5.2   | 9.3   | 0       | 0    | 4.3   | 0    | 17.6 | 0     |
| 31   | 0       |         | 0.5  |       | 4.9   |       | 0       | 0    |       | 0    |      | 0.2   |
| Tot. | E 98.90 | 96.6    | 77   | 3.2   | 110.1 | 148.7 | 171.5   | 76.2 | 119.6 | 66.4 | 83.8 | 113.1 |

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Codes

- \* Précipitations neigeuses
- E Précipitations estimées
- MQ Données manquantes
- Tr Traces (hauteur d'eau inférieure à 1/10 de millimètre)
- ( Indique que la donnée est ventilée sur les quelques jours où cette parenthèse est ouverte
- ) Indique la fin de la ventilation.

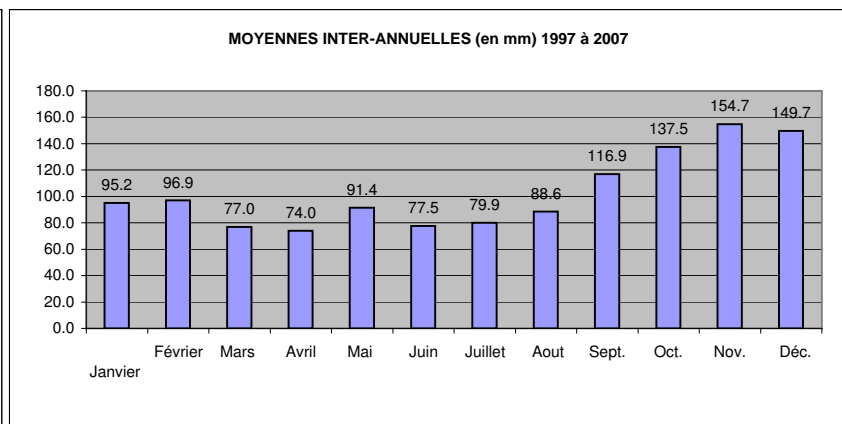
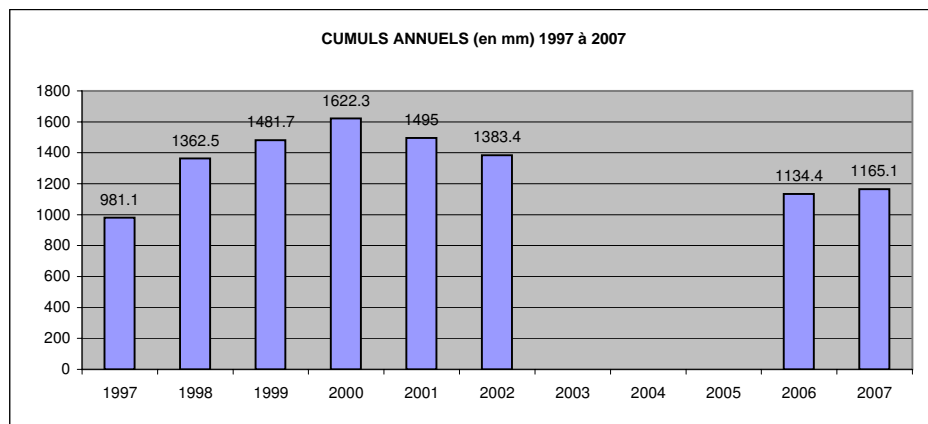


## CUMULS ANNUELS ET MOYENNES INTER-ANNUELLES ( en mm ) 1997 à 2007

### WIRWIGNES

|             | Janvier | Février | Mars  | Avril | Mai   | Juin  | Juillet | Aout  | Sept. | Oct.  | Nov.  | Déc.  | Total annuel  |
|-------------|---------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|---------------|
| <b>1997</b> | 8       | 95.6    | 25.8  | 16.1  | 108.5 | 120.8 | 26.8    | 63.1  | 2.7   | 146.2 | 207   | 160.5 | <b>981.1</b>  |
| <b>1998</b> | 127.5   | 17.4    | 87.9  | 104.9 | 22.2  | 147.6 | 67.8    | 46.8  | 219.1 | 275.9 | 126.8 | 118.6 | <b>1362.5</b> |
| <b>1999</b> | 158.2   | 90.1    | 69.6  | 75.5  | 68.3  | 101.7 | 11.2    | 171.3 | 238.8 | 110.4 | 74.6  | 312   | <b>1481.7</b> |
| <b>2000</b> | 57.6    | 90.3    | 66.4  | 178.5 | 147.9 | 29.4  | 87.1    | 37.1  | 126.1 | 300.5 | 378.9 | 122.5 | <b>1622.3</b> |
| <b>2001</b> | 159.4   | 122.3   | 165.1 | 161.9 | 55.1  | 28.1  | 121.9   | 86    | 212.8 | 144.8 | 174.8 | 62.8  | <b>1495</b>   |
| <b>2002</b> | 107.60  | 273.1   | 94.9  | 44.4  | 116.4 | 119.6 | 145.3   | 38.5  | 85    | 82.6  | 193.3 | 190.3 | <b>1383.4</b> |
| <b>2003</b> | 131.5   |         |       | 49.3  |       | 61.5  |         |       |       | 69    | 111.7 | 85.5  |               |
| <b>2004</b> | 122     | 44.7    |       | 65.2  |       | 24.8  | 73.4    |       | 39.7  | 129.1 | 77.5  |       |               |
| <b>2005</b> | 53.7    | 48.4    | 37.6  | 89.9  | 68.7  | 17.9  | 56.3    | 85.9  | 102.2 | 45.7  |       | 108   |               |
| <b>2006</b> | 35      | 90.7    | 68.3  | 24.7  | 125.4 | 52.9  | 38.1    | 192.3 | 23.2  | 141.6 | 118.7 | 223.5 | <b>1134.4</b> |
| <b>2007</b> | 98.9    | 96.6    | 77    | 3.2   | 110.1 | 148.7 | 171.5   | 76.2  | 119.6 | 66.4  | 83.8  | 113.1 | <b>1165.1</b> |

|                  |             |             |             |             |             |             |             |             |              |              |              |              |               |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|---------------|
| <b>Moyenne :</b> | <b>95.2</b> | <b>96.9</b> | <b>77.0</b> | <b>74.0</b> | <b>91.4</b> | <b>77.5</b> | <b>79.9</b> | <b>88.6</b> | <b>116.9</b> | <b>137.5</b> | <b>154.7</b> | <b>149.7</b> | <b>1328.2</b> |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|---------------|



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