

Readme.pdf

URL based procedure to automatically download data in bulk from Climate Website

(<https://climate.weather.gc.ca/>)

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ENVIRONMENT AND CLIMATE CHANGE CANADA

To read this file online, please visit:

<https://drive.google.com/drive/folders/1WJCDEU34c60IfOnG4rv5EPZ4IhhW9vZH>

Folder: Get\_More\_Data\_Plus\_de\_donnees > Readme.pdf

Instructions on how to download all weather data for one station from Environment and Climate Change Canada's Climate website:

A daily updated list of Climate stations in the National Archive, including their Climate ID, Station ID, WMO ID, TC ID, and co-ordinates can be found in the following folder:

Get\_More\_Data\_Plus\_de\_donnees > Station Inventory EN.csv

Use the following utility to download data:

- wget (GNU / Linux Operating systems)
- Cygwin (Windows Operating systems) <https://www.cygwin.com>
- Homebrew (OS X - Apple) <http://brew.sh/>

Example to download all available hourly data for Yellowknife A, from 1998 to 2008, in .csv format

Command line:

```
for year in `seq 1998 2008`;do for month in `seq 1 12`;do wget --content-disposition  
"https://climate.weather.gc.ca/climate_data/bulk_data_e.html?format=csv&stationID=1706&Year=${ye  
ar}&Month=${month}&Day=14&timeframe=1&submit= Download+Data" ;done;done
```

WHERE;

- year = change values in command line (`seq 1998 2008)
- month = change values in command line (`seq 1 12)
- format= [csv|xml]: the format output
- timeframe = 1: for hourly data
- timeframe = 2: for daily data
- timeframe = 3 for monthly data
- Day: the value of the "day" variable is not used and can be an arbitrary value
- For another station, change the value of the variable stationID
- For the data in XML format, change the value of the variable format to xml in the URL.

For information in French, change Download+Data with  
++T%C3%A9l%C3%A9charger+%0D%0Ade+donn%C3%A9es, also change \_e with \_f in the url.

For questions or concerns please contact our National Climate Services office at:

ec.services.climatiques-climate.services.ec@canada.ca