


Metar Data Access


Introduction

What is METAR

METAR (Aviation Routine Weather Report; thought to be a contraction of the French words MÉTéorologique ["Weather"] Aviation Régulière ["Routine"]) is a format for reporting weather information. A METAR weather report is predominantly used by pilots in fulfillment of a part of a pre-flight weather briefing, and by meteorologists, who use aggregated METAR information to assist in weather forecasting.

From **Wikipedia**, the free encyclopedia
<http://en.wikipedia.org/wiki/METAR> 

METAR Data Access

In order to share METAR observations **more easily**, we provide current and recent METAR reports from around the world in **GZIP** compressed files and via a Webservice. Compressed files are available through **Itimeteo** at <http://data.itimeteo.com/metar> 

Note :

Uncompressed and original NWS METAR observations files are available through anonymous FTP at <ftp://tgftp.nws.noaa.gov/data/observations/metar> 

Important :

METAR observations available from Itimeteo are **7x smaller** than files from NWS, but files are identical after decompression.

Individual Reports

Itimeteo Metar Web Service

<http://api.itimeteo.fr/metar.ims> 

In order to run this Web Service, you can use this sample IKey :
AA

NWS

In order to display the most recent METAR report from **NWS**, you can use the form at <http://weather.noaa.gov/weather/metar.shtml> or read METAR file from <ftp://tgftp.nws.noaa.gov/data/observations/metar/stations/LFML.TXT> where **LFML** is the OACI code you want to get.

Cycle Files

Get files

Hourly files containing METAR reports available from Itimeteo are stored at <http://data.itimeteo.com/metar>. Files are named **hhZ.gz** where **hh** is the corresponding cycle hour of METAR file reports. In each **hhZ.gz** file is stored a text file named **hhZ.txt** containing all cycle hour METAR reports.

Note :

Files are updated all **twenty minutes** : **hh10Z**, **hh30Z** and **hh50Z**. Reports may be duplicated within the files and multiple reports received from a station may appear in a file. Each METAR reports file contains reports taken between (hh-1)45Z to hh44Z for the hh cycle.

File Format

Each cycle file contains multiple reports in the following format:

1. YYYY/MM/DD HH:MM
2. METAR report
- 3.
4. YYYY/MM/DD HH:MM
5. METAR report
- 6.
7. ...

The end of each report is delimited by a blank line.