

KNMI CSV

Overview

Imports time series data from the KNMI CSV files that are delivered to Dutch waterboards. The files contain both daily rainfall and evaporation. The files have an extension of "*.dat". The files with evaporation data have recently been extended with an additional column with information about the status of the data O for and G

De additional column is called: STATUS.

G=gevalideerd / validated

O=ongevalideerd / unvalidated

When this column is present, the importtype KNMICSV cannot be used anymore, but instead you can use the [generalCSV importtype](#).

Configuration (Example)

A complete import module configuration consists of an ID Mapping file and a Import Module Instance file.

ModuleConfigFiles/

The following example of an Import Module Instance will import the time series as equidistant daily series for timezone GMT+1 hour. Notice that FEWS should store the time at the end of the day. Therefore the import timezone should be -23:00 instead of +01:00.

ImportKNMI.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<timeSeriesImportRun .....>
  <import>
    <general>
      <importType>KNMICSV</importType>
      <folder>$IMPORT_FOLDER_KNMI$</folder>
      <failedFolder>$IMPORT_FAILED_FOLDER_KNMI$</failedFolder>
      <backupFolder>$IMPORT_BACKUP_FOLDER_KNMI$</backupFolder>
      <idMapId>IdImportKNMI</idMapId>
      <unitConversionsId>ImportUnitConversions</unitConversionsId>
      <importTimeZone>
        <timeZoneOffset>-23:00</timeZoneOffset>
      </importTimeZone>
      <dataFeedId>KNMI</dataFeedId>
    </general>
  </import>
  <timeSeriesSet>
    <moduleInstanceId>ImportKNMI</moduleInstanceId>
    <valueType>scalar</valueType>
    <parameterId>P.meting</parameterId>
    <locationSetId>KNMI_P.meting_dag</locationSetId>
    <timeSeriesType>external historical</timeSeriesType>
    <timeStep unit="second" multiplier="86400" timeZone="GMT+1"/>
    <readWriteMode>add originals</readWriteMode>
    <synchLevel>1</synchLevel>
  </timeSeriesSet>
  <timeSeriesSet>
    <moduleInstanceId>ImportKNMI</moduleInstanceId>
    <valueType>scalar</valueType>
    <parameterId>E.ref.Makkink</parameterId>
    <locationSetId>KNMI_E.ref.Makkink_dag</locationSetId>
    <timeSeriesType>external historical</timeSeriesType>
    <timeStep unit="second" multiplier="86400" timeZone="GMT+1"/>
    <readWriteMode>add originals</readWriteMode>
    <synchLevel>1</synchLevel>
  </timeSeriesSet>
</timeSeriesImportRun>
```

IdMapFiles/



Defines mappings between KNMI and FEWS parameters and locations.

sample of MapIdKNMI.xml

```
<map internalParameter="P.meting" internalLocation="KNMIAO" externalParameter="910" externalLocation="910"/>
<map internalParameter="P.meting" internalLocation="KNMIDN" externalParameter="908" externalLocation="908"/>
<map internalParameter="P.meting" internalLocation="KNMIDT" externalParameter="911" externalLocation="911"/>
```

Important in this configuration is the externalParameter and the externalLocation have the same identifier.

Example File/

ab0115a_aamaas.dat

```
892,20070601, 42
892,20070602, 0
892,20070603, 0
892,20070604, 0
892,20070605, 0
892,20070606, 0
892,20070607, 0
892,20070608, 0
892,20070609, 216
892,20070610, 6
892,20070611, 154
892,20070612, 0
892,20070613, 0
892,20070614, 0
892,20070615, 83
892,20070616, 5
892,20070617, 30
.....
```

Java source code

[KnmiCsvTimeSeriesParser.java](#)