

MIS

Overview

The MIS file format is used for the forecasting system in Colombia and imports scalar timeseries.

File Structure

Example

```
<STATION>0011037030</STATION><SENSOR>0230</SENSOR><DATEFORMAT>YYYYMMDD</DATEFORMAT>
20120620;21:00:00;2.71
20120620;22:00:00;2.78
20120620;23:00:00;[15]
<STATION>0011037030</STATION><SENSOR>0231</SENSOR><DATEFORMAT>YYYYMMDD</DATEFORMAT>
20120620;21:00:00;270.7
20120620;21:58:00;278.4
```

From the header line the following information are read:

location id specified by tag STATION

parameter id specified by tag SENSOR

format of the date string to be used in parsing the data, specified by tag DATEFORMAT

Format of the time string can be HH:mm:ss or HHmmss.

There can be multiple blocks of data in each file, with each time series started by a STATION tag

Comma and point are recognized as decimal separators.

In some cases the value is give between square brackets - these are interpreted as missing data.

The file can contain blank lines.

Configuration (Example)

ModuleConfigFiles

ImportIDEAM_MIS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<timeSeriesImportRun xmlns="http://www.wldelft.nl/fews" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.wldelft.nl/fews http://fews.wldelft.nl/schemas/version1.0/timeSeriesImportRun.
xsd">
  <import>
    <general>
      <importType>MIS</importType>
      <folder>$IMPORT_FOLDER_ROOT$/IDEAM_MIS</folder>
      <idMapId>ImportIDEAM_MIS</idMapId>
      <missingValue>NaN</missingValue>
      <importTimeZone>
        <timeZoneOffset>-05:00</timeZoneOffset>
      </importTimeZone>
      <dataFeedId>IDEAM_MIS</dataFeedId>
    </general>
    <timeSeriesSet>
      <moduleInstanceId>ImportIDEAM_MIS</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>P.obs</parameterId>
      <locationSetId>IDEAM_M</locationSetId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="nonequidistant"/>
      <readWriteMode>add originals</readWriteMode>
      <synchLevel>1</synchLevel>
    </timeSeriesSet>
    <timeSeriesSet>
      <moduleInstanceId>ImportIDEAM_MIS</moduleInstanceId>
```

```

        <valueType>scalar</valueType>
        <parameterId>H.obs</parameterId>
        <locationSetId>IDEAM_H</locationSetId>
        <timeSeriesType>external historical</timeSeriesType>
        <timeStep unit="nonequidistant"/>
        <readWriteMode>add originals</readWriteMode>
        <synchLevel>1</synchLevel>
    </timeSeriesSet>
    <timeSeriesSet>
        <moduleInstanceId>ImportIDEAM_MIS</moduleInstanceId>
        <valueType>scalar</valueType>
        <parameterId>p.obs</parameterId>
        <locationSetId>IDEAM_M</locationSetId>
        <timeSeriesType>external historical</timeSeriesType>
        <timeStep unit="nonequidistant"/>
        <readWriteMode>add originals</readWriteMode>
        <synchLevel>1</synchLevel>
    </timeSeriesSet>
    <timeSeriesSet>
        <moduleInstanceId>ImportIDEAM_MIS</moduleInstanceId>
        <valueType>scalar</valueType>
        <parameterId>Hr.obs</parameterId>
        <locationSetId>IDEAM_M</locationSetId>
        <timeSeriesType>external historical</timeSeriesType>
        <timeStep unit="nonequidistant"/>
        <readWriteMode>add originals</readWriteMode>
        <synchLevel>1</synchLevel>
    </timeSeriesSet>
    <timeSeriesSet>
        <moduleInstanceId>ImportIDEAM_MIS</moduleInstanceId>
        <valueType>scalar</valueType>
        <parameterId>T.obs</parameterId>
        <locationSetId>IDEAM_M</locationSetId>
        <timeSeriesType>external historical</timeSeriesType>
        <timeStep unit="nonequidistant"/>
        <readWriteMode>add originals</readWriteMode>
        <synchLevel>1</synchLevel>
    </timeSeriesSet>
    <timeSeriesSet>
        <moduleInstanceId>ImportIDEAM_MIS</moduleInstanceId>
        <valueType>scalar</valueType>
        <parameterId>Rg.obs</parameterId>
        <locationSetId>IDEAM_M</locationSetId>
        <timeSeriesType>external historical</timeSeriesType>
        <timeStep unit="nonequidistant"/>
        <readWriteMode>add originals</readWriteMode>
        <synchLevel>1</synchLevel>
    </timeSeriesSet>
    <timeSeriesSet>
        <moduleInstanceId>ImportIDEAM_MIS</moduleInstanceId>
        <valueType>scalar</valueType>
        <parameterId>u.obs</parameterId>
        <locationSetId>IDEAM_M</locationSetId>
        <timeSeriesType>external historical</timeSeriesType>
        <timeStep unit="nonequidistant"/>
        <readWriteMode>add originals</readWriteMode>
        <synchLevel>1</synchLevel>
    </timeSeriesSet>
</import>
</timeSeriesImportRun>

```

IdMapFiles

MapIdIDEAM_MIS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<idMap xmlns="http://www.wldelft.nl/fews" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:
schemaLocation="http://www.wldelft.nl/fews http://fews.wldelft.nl/schemas/version1.0/idMap.xsd" version="1.1">
  <parameter internal="Hr.obs" external="0027"/>
  <parameter internal="T.obs" external="0068"/>
  <parameter internal="u.obs" external="0103"/>
  <parameter internal="Rg.obs" external="0239"/>
  <parameter internal="H.obs" external="0230"/>
  <parameter internal="P.obs" external="0240"/>
  <parameter internal="p.obs" external="0255"/>
</idMap>
```