

Precipitation

tippingBucket

description

This transformation converts a non-equidistant time series with tipping bucket rainfall data to an equidistant time series with accumulated rainfall data.

input

- tippingBucketPrecipitation

output

- precipitation

Configuration example

```
<?xml version="1.0" encoding="UTF-8"?>
<transformationModule version="1.0" 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
/transformationModule.xsd">
  <!--Input time series-->
  <variable>
    <variableId>tippingBucket</variableId>
    <timeSeriesSet>
      <moduleInstanceId>importTippingBucket</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>P.obs</parameterId>
      <locationSetId>RainGauges_HuangChuan</locationSetId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="nonequidistant"/>
      <relativeViewPeriod unit="day" start="-16" end="0" startOverrulable="true"/>
      <readWriteMode>add originals</readWriteMode>
    </timeSeriesSet>
  </variable>
  <!--Output time series-->
  <variable>
    <variableId>output</variableId>
    <timeSeriesSet>
      <moduleInstanceId>HuangChuan_Update_Pre</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>P.obs</parameterId>
      <locationSetId>RainGauges_HuangChuan</locationSetId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="hour" multiplier="1"/>
      <relativeViewPeriod unit="day" start="-16" end="0" startOverrulable="true"/>
      <readWriteMode>add originals</readWriteMode>
    </timeSeriesSet>
  </variable>
  <!--Transformations-->
  <transformation id="tippingBucket">
    <precipitation>
      <tippingBucket>
        <tippingBucketPrecipitation>
          <variableId>tippingBucket</variableId>
        </tippingBucketPrecipitation>
        <precipitation>
          <variableId>output</variableId>
        </precipitation>
      </tippingBucket>
    </precipitation>
  </transformation>
</transformationModule>
```