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System Wide Threshold Events Display

This display provides users with a system wide overview of all threshold crossing events (as generated when you [run ThresholdEventCrossing module in workflows](#) where timeseries are generated). This display makes use of the already existing threshold configuration in the 'thresholdValueSets.xsd' and the 'thresholdDisplayConfig' that is available in the 'timeSeriesDisplayConfig.xsd'.

Threshold Id	Module Instance	Location Id	Location Name	Parameter Id	Parameter Name	Unit	Time Step	Event Time	Event Value	Time till Crossing	Warning Action	Acknowledged By	Acknowledge Time
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	19-10-2016 07:30:00	-999,000174 16h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	20-10-2016 12:00:00	14,400184 21h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	22-10-2016 19:00:00	14,400214 4h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	10-11-2016 18:30:00	-999,00040d 4h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	12-11-2016 04:00:00	14,40041d 14h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	12-11-2016 14:00:00	14,40042d	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	13-11-2016 12:30:00	-999,00042d 22h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	13-11-2016 18:30:00	-999,00043d 4h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	14-11-2016 06:30:00	-999,00043d 16h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	14-11-2016 12:30:00	-999,00043d 22h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	14-11-2016 18:30:00	-999,00044d 4h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	15-11-2016 00:30:00	-999,00044d 10h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	15-11-2016 05:00:00	14,40044d 15h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	15-11-2016 06:30:00	-999,00044d 16h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	15-11-2016 09:00:00	14,40044d 19h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	15-11-2016 18:30:00	-999,00045d 4h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	15-11-2016 19:00:00	14,40045d 5h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 01:00:00	14,40045d 11h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 02:00:00	14,40045d 12h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 03:00:00	14,40045d 13h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 06:30:00	-999,00045d 16h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 11:00:00	14,40045d 21h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 13:00:00	14,40045d 23h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 15:00:00	14,40046d 1h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 16:00:00	14,40046d 2h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 18:30:00	-999,00046d 4h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 19:00:00	14,40046d 5h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 19:00:00	14,40046d 5h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	16-11-2016 21:00:00	14,40046d 7h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	17-11-2016 00:00:00	14,40046d 10h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	17-11-2016 00:30:00	-999,00046d 10h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	17-11-2016 02:00:00	14,40046d 12h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	17-11-2016 04:00:00	14,40046d 14h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	17-11-2016 06:00:00	14,40046d 16h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	17-11-2016 06:00:00	14,40046d 16h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	17-11-2016 06:30:00	-999,00046d 16h 30m	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	17-11-2016 07:00:00	14,40046d 17h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	17-11-2016 10:00:00	14,40046d 20h	H 074:			
AlarmFase1	ARMA_Regge_Forecast	WST_2102	074-Middensloot Weerselo	H.updated.voorsp	Gesimuleerde voorspelde waterstand (A...	m	hour	17-11-2016 12:00:00	14,40046d 22h	H 074:			

Activate Display

The thresholds display can be activated by adding the following explorer task in the Explorer.xml file:

```
<explorerTask name="Events">
  <iconFile>table.png</iconFile>
  <mnemonic>T</mnemonic>
  <taskClass>nl.wildelft.fews.gui.plugin.thresholdeventsviewer.ThresholdEventsTableViewer</taskClass>
  <toolbarTask>true</toolbarTask>
  <menubarTask>true</menubarTask>
  <allowMultipleInstances>false</allowMultipleInstances>
  <accelerator>ctrl T</accelerator>
  <loadAtStartup>false</loadAtStartup>
</explorerTask>
```

Since 2019.02 it got its own display config file: ThresholdEventsDisplay.xml

ThresholdEventsDisplay.xml

```
<explorerTask name="Events">
    <iconFile>Warnings.png</iconFile>
    <mnemonic>E</mnemonic>
    <displayConfigFileName>ThresholdEventsDisplay</displayConfigFileName>
    <toolbarTask>true</toolbarTask>
    <menubarTask>true</menubarTask>
    <allowMultipleInstances>false</allowMultipleInstances>
    <accelerator>ctrl E</accelerator>
    <loadAtStartup>false</loadAtStartup>
</explorerTask>
```

Configure Display

The thresholds display does not require a display configurations file, it is possible to use some advanced features when a thresholdEventDisplay configuration file is added. For normal applications the display obtains all information for thresholds configuration that is already available in the ThresholdsValueSets.xml file and also in the TimeSeriesDisplayConfig.xml file.

Since 2019.02 specific config options for this display are available used to specify time series sets to find time series for [target location id's](#) belonging to threshold events.

ThresholdEventsDisplay.xml

```
<thresholdEventsDisplay 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
/thresholdEventsDisplay.xsd">
    <timeSeriesSet>
        <moduleInstanceId>Import_FloodWarning</moduleInstanceId>
        <valueType>scalar</valueType>
        <parameterId>Threshold</parameterId>
        <locationSetId>UK_Flood_Warning_Alert</locationSetId>
        <timeSeriesType>external historical</timeSeriesType>
        <timeStep unit="nonequidistant"/>
        <relativeViewPeriod unit="hour" start="-24" end="0"/>
        <readWriteMode>read only</readWriteMode>
    </timeSeriesSet>
</thresholdEventsDisplay>
```

Firstly most information is retrieved from the ThresholdValueSets file. In this file all threshold levels are configured with relations to timeseries sets. For the purpose of the Thresholds Display some configuration options have been added to the ThresholdValueSets file to control the view period and visibility of the threshold events.

ThresholdValueSets - EventTimeViewPeriod

This configuration option consists of a relative view period that controls which threshold events are shown in the display by default. The relative period is converted to an absolute period based on the current system time. Only threshold events will be shown if their Event Time lies within the configured period. Changing the System Time is one way to change the view period the events. The other way to change the view period is described in the section on filtering.

Each thresholdValueSet file can contain a single EventTimeViewPeriod element. When multiple thresholdValueSet files are configured and they each have their own relative period then the overall view period is an extension of all the individual view periods.

```
<?xml version="1.0" encoding="UTF-8"?>
<thresholdValueSets 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/thresholdValueSets.xsd"
>
    <thresholdValueSet id="010H" name="H 010">
        ...
    </thresholdValueSet>
    <eventTimeViewPeriod start="0" end="7" unit="day"/>
</thresholdValueSets>
```

ThresholdValueSets - VisibleInEventsDisplay

This configuration options allows you to control the visibility of threshold values. The 'visibleInEventsDisplay' field can be set for each threshold value separately. By default all threshold values are visible. To hide none interesting threshold values from being shown in the display, they must have their visibleInEventsDisplay value set to 'false'.

```
<thresholdValueSet id="013H" name="H 013">
  <levelThresholdValue>
    <levelThresholdId>Alarm</levelThresholdId>
    <value>8.10</value>
    <visibleInEventsDisplay>false</visibleInEventsDisplay>
  </levelThresholdValue>
  ...
</thresholdValueSet>
```

TimeSeriesDisplayConfig - ThresholdDisplayConfig

The second place where the thresholds display retrieves configuration information is from the TimSeriesDisplayConfig file. This file already contains an element that allows you to control the colors of the threshold values shown in the TimeSeries dialog. This section is also used by the thresholds display to color the text in the Threshold Id column.

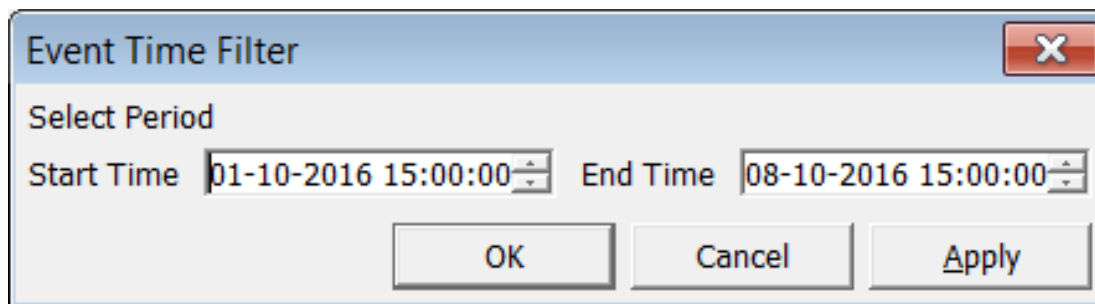
```
<thresholdDisplayConfig>
  <thresholdDisplayOptions id="Alarm">
    <color>orange</color>
  </thresholdDisplayOptions>
  <thresholdDisplayOptions id="AlarmFase1">
    <color>orange red</color>
  </thresholdDisplayOptions>
  <thresholdDisplayOptions id="AlarmFase2">
    <color>red</color>
  </thresholdDisplayOptions>
  <thresholdDisplayOptions id="AlarmFase3">
    <color>indian red</color>
  </thresholdDisplayOptions>
</thresholdDisplayConfig>
```

Filtering

The functionality of the Thresholds Display closely resembles that of the 'Database Viewer'. By clicking on a value in one of the columns the table will be filtered for that value. By clicking again on the same column the filter is removed. The Thresholds Display offers two special filter options; Event Time and Event Value

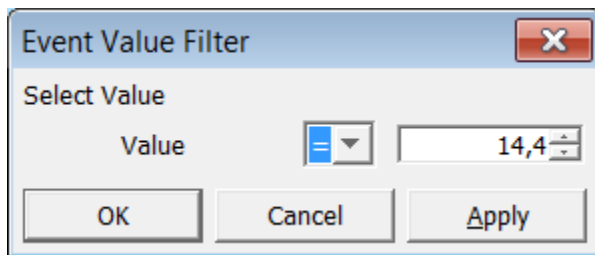
Event Time

When filtering the Event Time column a pop-up display appears allowing the user the overrule and extend the default view period that is controlled by the EventTimeViewPeriod. In the pop-up the user can explicitly select a start and end time for displaying event times.

A screenshot of a Windows-style dialog box titled "Event Time Filter". It has a close button (X) in the top right corner. The dialog contains a section labeled "Select Period" with two text input fields: "Start Time" and "End Time". The "Start Time" field contains the text "01-10-2016 15:00:00" and the "End Time" field contains "08-10-2016 15:00:00". Both fields have small up/down arrow icons on their right sides. At the bottom of the dialog, there are three buttons: "OK", "Cancel", and "Apply".

Event Value

When filtering the Event Value column a pop-up display appears allowing the user to choose how to filter the value column. Options are equal to ('='), greater than ('>') or less than ('<') the entered value.



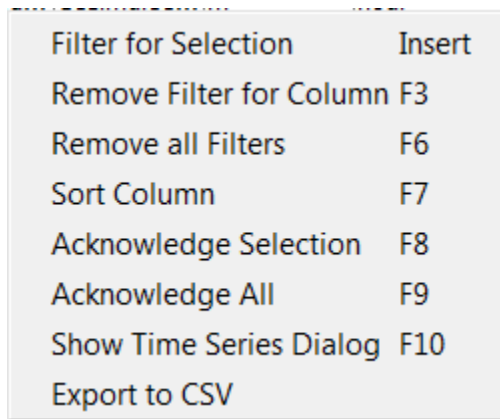
IFD

Since 2019.02, it will automatically filter on all locations from the selected IFD node. When there are no explicit locations linked to a node, there will be no filtering

Acknowledging Events

The Thresholds Display offers the user the ability to 'acknowledge' events. By acknowledging an event a user indicates that a Threshold Event has been seen and the required actions have been taken. On acknowledgement of events the time of acknowledgement and the user that acknowledged the event are registered. This information is stored together with the event data in the ThresholdEvents table.


Events can either be acknowledged by selection or all none-acknowledged events can be acknowledged in one single action. Acknowledging of events can be done by clicking the right-mouse button and selecting the Acknowledge options in the pop-up menu.



Showing and hiding columns

Since 2019.02 it is possible to choose which columns should be visible and which not, the choices will be stored in the user settings.

Threshold Id	Module Instance	Location Id	Location Name	Parameter Id	Parameter Name	Unit	Time Series Type	Time Step	Event Time	Event Value	Time till Crossing	Crossing Direction	Target Location Id	Target Local Value	Target Local Value Time	Acknowledged By	Acknowledged Time
ACT Forec...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.100	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.200	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.200	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.200	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	General				
ACT CON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.200	expired	Level Down	123WAF962				
ACT CON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	123FWF135				
ACT CON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	123FWF136				
ACT CON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	123FWF137				
RES Flood...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.600	expired	Level Down	123FWF135				
RES Flood...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.530	expired	Level Down	123FWF136				
RES Flood...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern	Filter for Selection	Insert	70	expired	Level Down	123FWF137				
ACT CON ...	Import_T...	690140	Irwell Vale	H.obs	Observed ...	m	extern			00	expired	Level Up	General				
ACT Forec...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern	Remove Filter for Column	F3	00	expired	Level Up	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern	Remove all Filters	F4	00	expired	Level Up	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern	Sort Column	F5	00	expired	Level Up	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern	Show / Hide Columns		00	expired	Level Up	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern	Acknowledge Selection	F6	00	expired	Level Up	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern	Acknowledge All	F7	00	expired	Level Up	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern	Unacknowledge Selection	F8	00	expired	Level Up	General				
ACT CON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern	Show Time Series Dialog	F9	00	expired	Level Up	123WAF962				
ACT CON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern	Show all Forecasts	F10	00	expired	Level Up	123FWF135				
ACT CON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern	Export to CSV	F11	00	expired	Level Up	123FWF136				
ACT CON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Up	123FWF137				
RES Flood...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.600	expired	Level Up	123FWF135				
RES Flood...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.530	expired	Level Up	123FWF136				
RES Flood...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.470	expired	Level Up	123FWF137				
ACT Forec...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.100	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.200	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.200	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.200	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	General				
ACT Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	General				

X

☒ Task Run Id

☒ Threshold Value_Set

☒ Threshold Id

☐ Module Instance

☒ Location Id

☒ Location Name

☐ PARAMETER_GROUP

☒ Parameter Id

☒ Parameter Name

☒ Unit

☒ Qualifiers

☒ Time_Series Type

☐ ENSEMBLE

☒ Time Step

☒ Event Time

☒ Event Value

☐ Time_till Crossing

☐ Rate_of Change

☒ Crossing Direction

☒ Warning Action

☒ Target Location_Id

☒ Target_Location Value

☒ Target_Location Value_Time

☐ Acknowledged By

☐ Acknowledged Time

Ok