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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	-999,000404	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	14,400414	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	14,400424		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	-999,000424	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	-999,000434	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	-999,000434	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	-999,000434	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	-999,000444	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	-999,000444	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	14,400444	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	-999,000444	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	14,400444	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	-999,000454	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	14,400454	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	14,400454	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	14,400454	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	14,400454	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	-999,000454	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	14,400454	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	14,400454	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	14,400464	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	14,400464	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	-999,000464	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	14,400464	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	14,400464	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	14,400464	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	14,400464	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	-999,000464	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	14,400464	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	14,400464	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	14,400464	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	14,400464	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	-999,000464	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	14,400464	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	14,400464	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	14,400464	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.

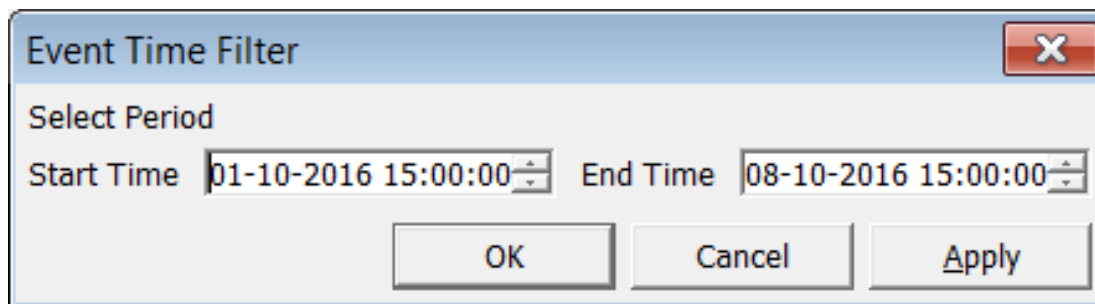
```
<thresholdDisplayConfig>
  <thresholdDisplayOptions id="Alarm">
    <color>orange</color>
  </thresholdDisplayOptions>
  <thresholdDisplayOptions id="AlarmFase1">
    <color>orange red</color>
  </thresholdDisplayOptions>
  <thresholdDisplayOptions id="AlarmFase2">
    <color>red</color>
  </thresholdDisplayOptions>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

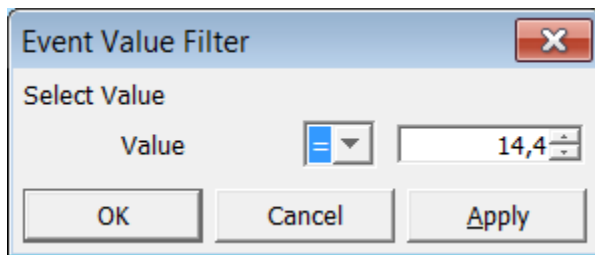
Event Time

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.



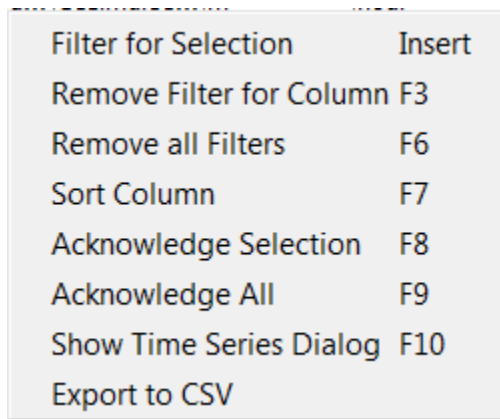
IFD

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						
ACTCON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.200	expired	Level Down	123WAF962						
ACTCON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	123FWF135						
ACTCON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Down	123FWF136						
ACTCON ...	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						
ACTCON ...	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 Forec...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern			Remove all Filters		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 Oper...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern			Show Time Series Dialog		F9	00	expired	Level Up	General			
ACTCON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern			Show all Forecasts		F10	00	expired	Level Up	123WAF962			
ACTCON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	extern			Export to CSV		F11	00	expired	Level Up	123FWF135			
ACTCON ...	Import_T...	L1808	Ferrybridg...	H.obs	Observed ...	m	external hi...	15 minutes	Wed 07-0...	2.300	expired	Level Up	123FWF136						
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