

08 System Monitor

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 - Live System Status
 - Scheduled Forecasts
 - Running Forecasts
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 - Synchronisation Status
 - Import Status
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System Monitor

The System Monitor display allows for viewing the status of the system. The behaviour of the System Monitor is different depending on the use of the system, i.e. whether you are using the system in Stand Alone mode or as an Operator Client.

In the *Standalone* mode the System Monitor will display the Log Browser, Forecaster Notes, Batch Forecast tab, Import status and since 2021.02 also Running forecasts. An overview of the tabs available in the System Monitor of a Standalone system is illustrated below.

Data Feed	Directory	Last Import Time	Last Import File	Files Imported	Files Failed
Astronomical	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\Astronomical	Mon 07-12-2020 13:43:19	National_WELLS_(NEXT-THE-SEA)_HW...	15	0
BWQ Pollution Incidents	https://environment.data.gov.uk	Wed 11-11-2020 09:04:06	2020-10-17 13:08:00:000	0	0
BWQ Suspensions	https://environment.data.gov.uk	Wed 11-11-2020 09:04:06	suspension	0	0
Flood Warning	https://environment.data.gov.uk	Thu 17-12-2020 19:09:42	2020-12-17 18:06:50:000	1	0
G2G Medium Range Deterministic	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\G2G\G2G_MRD	Tue 08-12-2020 14:30:42	none	0	0
G2G Medium Range Ensemble	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\G2G\G2G_MRENS	Thu 26-11-2020 08:03:42	none	0	0
G2G Nowcast Ensemble	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\G2G\G2G_NCENS	Tue 08-12-2020 14:30:45	none	0	0
H19 Radar rain-accumulation	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\Radar\Actuals	Tue 08-12-2020 14:30:13	none	0	0
MO Medium Range Wind Wave Ensem...	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\MOWave\Forecast_En...	Mon 07-12-2020 13:43:21	none	0	0
MO NEMO Surge Ensemble Scalar	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\MOWave\Forecast_En...	Mon 07-12-2020 13:43:20	none	0	0
MO NEMO Surge Grid	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\MOWave\Forecast_En...	Mon 07-12-2020 13:43:20	none	0	0
MO Observed Wind	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\MOWave\Observed	Sun 06-12-2020 20:30:12	none	0	0
MO Short Range Wave Forecast	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\MOWave\Forecast_Sh...	Mon 07-12-2020 13:43:20	none	0	0
MO Short Range Wind Forecast	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\MOWave\Forecast_Sh...	Mon 07-12-2020 13:43:20	none	0	0
MO SurgeCS315min_Grid	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\MOWave\Forecast_Sh...	Thu 07-01-2021 17:09:34	MOEAU48HRSURGE2020111000000...	1	0
Medium Range Ensemble	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\NWP\Forecast_Ensem...	Tue 08-12-2020 14:30:14	none	0	0
Moses Mean Potential Evaporation	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\Moses\UKPP_PE	Tue 08-12-2020 14:30:13	none	0	0
Moses Soil Moisture Deficit	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\Moses\UKPP_SMD	Tue 08-12-2020 14:30:13	none	0	0
N10 Medium Range Temperature	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\NWP\Forecast_Mediu...	Tue 08-12-2020 14:30:13	none	0	0
N11 1-hour rain accumulation	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\NWP\Forecast_Mediu...	Tue 08-12-2020 14:30:13	none	0	0
N12 1-hour snow accumulation	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\NWP\Forecast_Mediu...	Tue 08-12-2020 14:30:13	none	0	0
N13 Snow amount every hour	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\NWP\Forecast_Mediu...	Tue 08-12-2020 14:30:13	none	0	0
N14 Snow melt every hour	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\NWP\Forecast_Mediu...	Tue 08-12-2020 14:30:13	none	0	0
N9 Medium Range Precipitation	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\NWP\Forecast_Mediu...	Tue 08-12-2020 14:30:13	none	0	0
Nowcast Ensemble	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\Radar\Nowcast_Ense...	Tue 08-12-2020 14:30:13	none	0	0
RTS	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\RTS	Tue 08-12-2020 14:29:43	none	0	0
UKCMF Tide Gauge Levels	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\UKCMFTideGauges	Sun 06-12-2020 20:30:12	none	0	0
UKV Medium Range Mean Sea Level Pr...	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\UKV	Tue 08-12-2020 14:30:13	none	0	0
UKV Medium Range Precipitation	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\UKV	Tue 08-12-2020 14:30:13	none	0	0
UKV Medium Range Temperature	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\UKV	Tue 08-12-2020 14:30:13	none	0	0
UKV Nowcast Precipitation Type	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\UKV	Tue 08-12-2020 14:30:13	none	0	0
UKV Nowcast rain-accumulation	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\Radar\Nowcast	Tue 08-12-2020 14:30:13	none	0	0
UKV Short Range Mean Sea Level Press...	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\UKV	Tue 08-12-2020 14:30:13	none	0	0
UKV Short Range Precipitation	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\UKV	Tue 08-12-2020 14:30:13	none	0	0
UKV Short Range Temperature	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\UKV	Tue 08-12-2020 14:30:13	none	0	0
Wavenet Observed Wave	C:\FEWS_System\FEWS_201902\FEWS_SA\Import\Wavenet	Sun 06-12-2020 20:30:12	none	0	0

Logs: 2 : Forecaster Notes Forecast Product Info 3 : Run Info Erik Pelgrim Current system time: Thu 10-06-2021 14:00 GMT 13:13:23 GMT 15:13:23 CEST Archive: Azure FEWS Archive Server 2019.02 Stand alone -102176, 679943 0.0 MB/s 1.1 GB

In an *Operator Client* the System Monitor will show a number of tabs for monitoring various aspects of the live system. An overview of the tabs available in an Operator Client when logged into a live system is illustrated below.

IMFS DeIR- FEWS Prototype 07 (June 2020) (Operator Client)

File Tools Dashboards Options Help

Forecast Product Info

Log Browser Forecaster Notes Live System Status Scheduled Forecasts Running Forecasts Import Status Archive Server Status

Log level	Log creation time	Workflow	Event Code	Log Message	taskRunId	Build	FSS
WARN	Thu 07-10-2021 11:16	G2G Historical (Intermediate, Export State to HPC)	GA.Execution.Model.Warn	In adapter model: 07-OCT-2021 11:16:...	ukeaffsmc00:000290205	103865341	
ERROR	Thu 07-10-2021 11:15	G2G Historical (Intermediate, Export State to HPC)	TaskRun.PartlyFailed	WorkflowFiles/FFC/National_G2G_Hist...	ukeaffsmc00:000290205	103865341	
ERROR	Thu 07-10-2021 11:15	G2G Historical (Intermediate, Export State to HPC)	GA.Execution.Model.Error	In adapter model: 07-OCT-2021 11:15:...	ukeaffsmc00:000290205	103865341	
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WARN	Thu 07-10-2021 10:15	G2G Historical (Intermediate, Export State to HPC)	GA.Execution.Model.Warn	In adapter model: 07-OCT-2021 10:15:...	ukeaffsmc00:000290155	103865621	
ERROR	Thu 07-10-2021 10:15	G2G Historical (Intermediate, Export State to HPC)	TaskRun.PartlyFailed	WorkflowFiles/FFC/National_G2G_Hist...	ukeaffsmc00:000290155	103865621	
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WARN	Thu 07-10-2021 09:15	G2G Historical (Intermediate, Export State to HPC)	GA.Execution.Model.Warn	In adapter model: 07-OCT-2021 09:15:...	ukeaffsmc00:000290107	103865621	
ERROR	Thu 07-10-2021 09:15	G2G Historical (Intermediate, Export State to HPC)	TaskRun.PartlyFailed	WorkflowFiles/FFC/National_G2G_Hist...	ukeaffsmc00:000290107	103865621	
ERROR	Thu 07-10-2021 09:15	G2G Historical (Intermediate, Export State to HPC)	GA.Execution.Model.Error	In adapter model: 07-OCT-2021 09:15:...	ukeaffsmc00:000290107	103865621	
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WARN	Thu 07-10-2021 08:15	G2G Historical (Intermediate, Export State to HPC)	GA.Execution.Model.Warn	In adapter model: 07-OCT-2021 08:15:...	ukeaffsmc00:000290060	103865	
ERROR	Thu 07-10-2021 08:15	G2G Historical (Intermediate, Export State to HPC)	TaskRun.PartlyFailed	WorkflowFiles/FFC/National_G2G_Hist...	ukeaffsmc00:000290060	103865	
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ERROR	Thu 07-10-2021 08:15	G2G Historical (Intermediate, Export State to HPC)	GA.Execution.Model.Error	In adapter model: 07-OCT-2021 08:15:...	ukeaffsmc00:000290060	103865	
WARN	Thu 07-10-2021 07:33	Import Telemetry	Rye_Forecast_OP.Downcrossing	Expired DownCrossing event RES FAL...	ukeaffsmc00:000290026	103865341	
WARN	Thu 07-10-2021 07:33	Import Telemetry	Esk_Forecast_OP.Downcrossing	Expired DownCrossing event RES FW ...	ukeaffsmc00:000290026	103865341	
WARN	Thu 07-10-2021 07:33	Import Telemetry	Rye_Forecast_OP.Downcrossing	Expired DownCrossing event ACT EDF...	ukeaffsmc00:000290026	103865341	
WARN	Thu 07-10-2021 07:33	Import Telemetry	Rye_Forecast_OP.Downcrossing	Expired DownCrossing event RES FW ...	ukeaffsmc00:000290026	103865341	
WARN	Thu 07-10-2021 07:33	Import Telemetry	Mole_Forecast_OP.Downcrossing	Expired DownCrossing event RES FAL...	ukeaffsmc00:000290026	103865341	
WARN	Thu 07-10-2021 07:30	Run Pollution Risk Forecast and export reports	Ormsby_Beck_Forecast_OP.Downcrossing	DownCrossing event ACT EDF for H.o...	ukeaffsmc00:000290022	103865621	
WARN	Thu 07-10-2021 07:30	Run Pollution Risk Forecast and export reports	Esk_Forecast_OP.Downcrossing(not_issued)	DownCrossing event ACT EDF for H.o...	ukeaffsmc00:000290022	103865621	
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Log creation time: Thu 07-10-2021 11:57
End time: day 2
View period: day 2
Refresh periodically: ☒

Log level: WARN
External event code:
Search in message:
taskRunId:
Max. number of messages displayed: 250

Refresh Acknowledge Save

Close Help

Map Data Display Spatial Display Peak Heights Topology Modifier Web Browser System Monitor

Logs 2: Forecaster Notes 3: Run Info

Erik Pelgrim Current system time: Thu 07-10-2021 11:45 GMT 11:57:06 GMT 13:57:06 CEST Archive: Azure FFFS Archive S... ukeaffsmc00 -273164 , 940682 0.0 MB/s 476 MB

Each of the System Monitor tabs is detailed in the following paragraphs.

Log Browser

The Log Browser contains a spreadsheet like form with a list of system messages. Messages can be sorted based on user defined criteria. Fatal and severe system errors can be acknowledged as being reviewed by the forecaster. If all errors within the past 48 hours are acknowledged the system status icon at the lower right of the FEWS explorer will become green again.

With [Refresh] the browser is updated with new messages in the system. Please note that the query settings (see below) define what messages will be displayed. With [Close], a user can leave the Log Browser.

IMFS DeIR- FEWS Prototype 07 (June 2020) (Operator Client)

File Tools Dashboards Options Help

Forecast Product Info

Log Browser Forecaster Notes Live System Status Scheduled Forecasts Running Forecasts Import Status Archive Server Status

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Log creation time: Thu 07-10-2021 11:57
End time: day 2
View period: day 2
Refresh periodically: ☒

Log level: WARN
External event code:
Search in message:
taskRunId:
Max. number of messages displayed: 250

Refresh Acknowledge Save

Close Help

Map Data Display Spatial Display Peak Heights Topology Modifier Web Browser System Monitor




Logs 2: Forecaster Notes 3: Run Info

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Upon opening, the same information is displayed as in the Log Viewer. Per message, the Log Browser provides the following information:

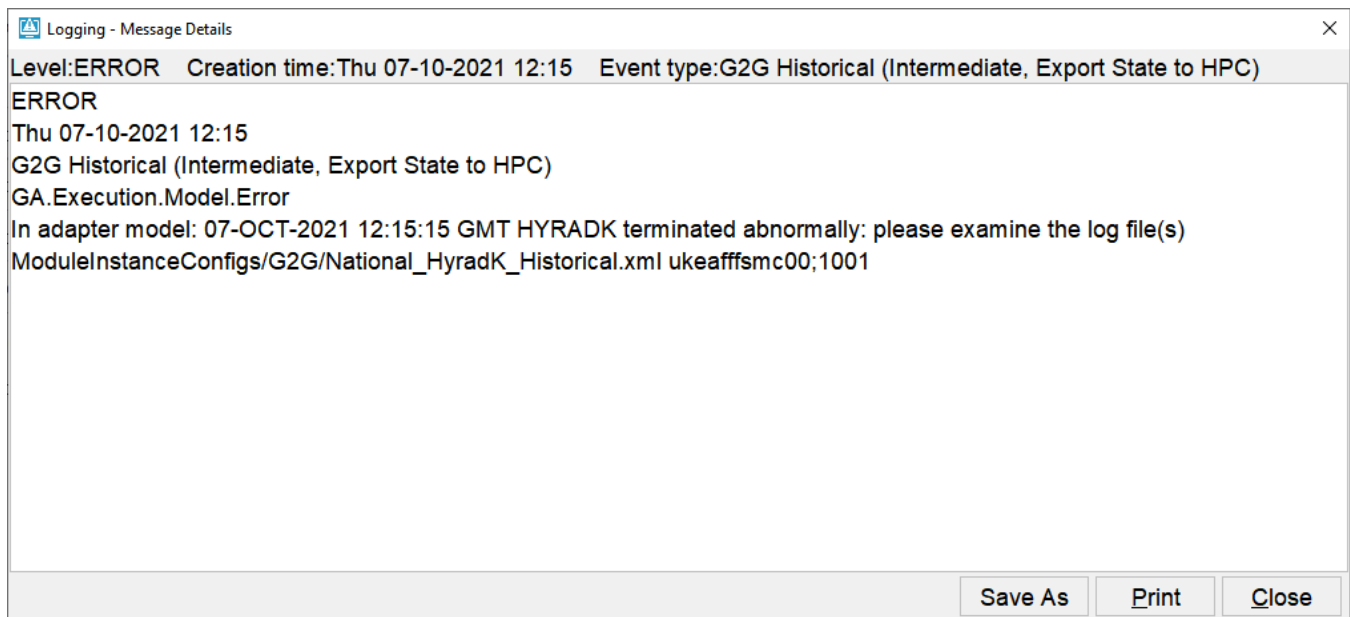
- Log level (see table above)
- Log creation time
- Event code (see Appendix A for listing)
- Log message (description)
- taskRunId

The following type of system messages are identified in the table below.

Log level	Icon	Description
Fatal		Severe errors that cause premature termination
Error		Other runtime errors or unexpected conditions
Warn		Events that are undesirable or unexpected, but not necessarily wrong
Info	no	Runtime events (startup/shutdown) that allow tracking of the progress of the system

The Log Messages can be sorted by clicking on the header of a column.

Double click a message to view the message details (see example below). The message can then be saved to file or printed.



Query definition

A query can be defined to select a subset of the messages to be displayed in the Log Browser. The following options are available:

- *Log level*
A log level from the dropdown list and all messages with a higher alert level will be displayed This means that for example selection of INFO shows all messages and selection of FATAL shows only messages with log level FATAL.
- *Log creation time*
Messages can be displayed that have been created within a given period of time. The period is defined by entering an *end time* and the length of a *view period* in hours preceding the *end time* .
- *Event code*
By entering symbols in this field, only messages will be displayed starting with the symbols entered by the user.
- *Token in Message*
By entering symbols in this field, only messages will be displayed that include the symbols entered by the user.

The display will be updated on the basis of the user defined query upon pressing [Refresh].

Acknowledging messages

IMFS Deflt-FEWS Prototype 07 (June 2020) (Operator Client)

File Tools Dashboards Options Help

Forecast Product Info

Log Browser Forecaster Notes Live System Status Scheduled Forecasts Running Forecasts Import Status Archive Server Status

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WARN	Thu 07-10-2021 07:33	Import Telemetry	Esk_Forecast_OP.Downcrossing	Expired DownCrossing event RES FW...	ukeaffsmc00:000290026	103865341	
WARN	Thu 07-10-2021 07:33	Import Telemetry	Rye_Forecast_OP.Downcrossing	Expired DownCrossing event ACT EDF...	ukeaffsmc00:000290026	103865341	
WARN	Thu 07-10-2021 07:33	Import Telemetry	Rye_Forecast_OP.Downcrossing	Expired DownCrossing event RES FW...	ukeaffsmc00:000290026	103865341	
WARN	Thu 07-10-2021 07:33	Import Telemetry	Mole_Forecast_OP.Downcrossing	Expired DownCrossing event RES FAL...	ukeaffsmc00:000290026	103865341	
WARN	Thu 07-10-2021 07:30	Run Pollution Risk Forecast and export reports	Ormsey_Beck_Forecast_OP.Downcrossing	DownCrossing event ACT EDF for H.o...	ukeaffsmc00:000290022	103865621	
WARN	Thu 07-10-2021 07:30	Run Pollution Risk Forecast and export reports	Esk_Forecast_OP.Downcrossing(not_issued)	DownCrossing event ACT EDF for H.o...	ukeaffsmc00:000290022	103865621	
WARN	Thu 07-10-2021 07:30	Run Pollution Risk Forecast and export reports	Esk_Forecast_OP.Upcrossing(not_issued)	UpCrossing event ACT EDF for H.ob...	ukeaffsmc00:000290022	103865621	
WARN	Thu 07-10-2021 07:30	Run Pollution Risk Forecast and export reports	Rye_Forecast_OP.Downcrossing(not_issued)	DownCrossing event RES FAL for H.ob...	ukeaffsmc00:000290022	103865621	

Log creation time: Thu 07-10-2021 11:59
 End time: day 2
 View period: day 2
 Refresh periodically: ☒

Log level: WARN
 External event code:
 Search in message:
 taskRunId:
 Max. number of messages displayed: 250

Refresh Acknowledge Save

Close Help

Map Data Display Spatial Display Peak Heights Topology Modifier Web Browser System Monitor

Logs 2 : Forecaster Notes 3 : Run Info

Erik Pelgrim Current system time: Thu 07-10-2021 11:45 GMT 11:59:33 GMT 13:59:33 CEST Archive: Azure FFFS Archive S... ukeaffsmc00 -273164 , 940682 0.0 MB/s 482 MB

All messages having a level ERROR or FATAL should be acknowledged to identify that the message has been seen and appropriate action taken.

A message having a level WARN can be acknowledged as well but is only needed to remove the opaque warning icon in the status bar if in the explorer. `xml <showIconForUnacknowledgedWarnings>true</showIconForUnacknowledgedWarnings>` is configured which is false by default. See [showIconForUnacknowledgedWarnings](#).

Double click the icon to acknowledge a message or click the Acknowledge button. Multiple messages may also be selected and acknowledged in a single action.

To select all messages that have not been acknowledged select the 'not acknowledged' item in the Log Level selection box,, then refresh the log messages.

Tip: to quickly select all messages, click on a single message and hit [ctrl-A]

When all ERROR messages are acknowledged, the status icon in explorer will change to green (or opaque when `showIconForUnacknowledgedWarnings` is true) .

NIFS Southern Region, Pre-Release 05, May 2004 [Stand alone]

File Zoom Tools Options Help

Logging Browser

logLevel	logCreationTime	eventCode	logMessage
ERROR	2004-05-09 19:41	Workflow.ActivityFailed	Activity (STF_Statenbridge) failed
ERROR	2004-05-09 19:41	GA.ExecutionFailed	Execution of southernTF.exe failed (1).
ERROR	2004-05-09 19:41	Workflow.ActivityFailed	Activity (STF_Romsey) failed
ERROR	2004-05-09 19:41	GA.ExecutionFailed	Execution of southernTF.exe failed (1).
ERROR	2004-05-09 19:41	Workflow.ActivityFailed	Activity (STF_CrosslandsDrive) failed
ERROR	2004-05-09 19:41	GA.ExecutionFailed	Execution of southernTF.exe failed (1).
ERROR	2004-05-09 19:41	Workflow.ActivityFailed	Activity (STF_Millbrook) failed
ERROR	2004-05-09 19:41	Workflow.ActivityFailed	Activity (STF_Isfield) failed
ERROR	2004-05-09 19:41	GA.ExecutionFailed	Execution of southernTF.exe failed (1).
WARN	2004-05-09 19:41	Validation.Limit	: Hard / Soft limit violated for parameter Observed Downstream Water Levels at Uckfield Mill
ERROR	2004-05-09 19:40	Workflow.ActivityFailed	Activity (Report_StatusForecastMap) failed
WARN	2004-05-09 19:40	TE.102	Threshold event crossing HI for Observed Water Levels at Porters. Time 06.05.2004 09:00:00
WARN	2004-05-09 19:40	TE.101	Threshold event crossing HI for Observed Water Levels at Porters. Time 06.05.2004 08:45:00
WARN	2004-05-09 19:40	TE.102	Threshold event crossing HI for Observed Water Levels at East Farleigh d/s. Time 05.05.2004 04:30:00
WARN	2004-05-09 19:40	TE.102	Threshold event crossing HI for Observed Water Levels at Denton PS. Time 05.05.2004 01:45:00
WARN	2004-05-09 19:40	TE.101	Threshold event crossing HI for Observed Water Levels at Denton PS. Time 05.05.2004 18:00:00
WARN	2004-05-09 19:40	TE.102	Threshold event crossing HI for Observed Water Levels at Denton PS. Time 05.05.2004 18:45:00
WARN	2004-05-09 19:40	TE.101	Threshold event crossing HI for Observed Water Levels at Denton PS. Time 05.05.2004 19:15:00
WARN	2004-05-09 19:40	TE.102	Threshold event crossing HI for Observed Water Levels at Denton PS. Time 05.05.2004 21:00:00
WARN	2004-05-09 19:40	TE.101	Threshold event crossing HI for Observed Water Levels at Denton PS. Time 05.05.2004 21:15:00
WARN	2004-05-09 19:40	TE.101	Threshold event crossing HI for Observed Water Levels at Denton PS. Time 05.05.2004 23:00:00
WARN	2004-05-09 19:40	TE.101	Threshold event crossing HI for Observed Water Levels at Denton PS. Time 05.05.2004 01:30:00
WARN	2004-05-09 19:40	TE.101	Threshold event crossing HI for Observed Water Levels at Denton PS. Time 05.05.2004 12:30:00
WARN	2004-05-09 19:40	TE.101	Threshold event crossing HI for Observed Water Levels at Denton PS. Time 05.05.2004 03:15:00

Log creation time

End time: 2004-05-09 20:22

View period: day 1

Log level: WARN

External event code:

Max number of messages displayed: 50

Refresh Close Help

20:25:22 22:25:22 Stand alone Last refresh: 2004-05-09 20:22

Karel Heynert Current system time: 2004-05-09 20:15 20:25:22 22:25:22 Stand alone 476365.00000 , 227754.00000

Debug messages

Please note that a System Manager can configure the system to also provide *Debug Messages*. These are used to log application internal events for system development and management. Typical debug events are the creation of a database connection or exceptions that occurred due to programming or configuration errors. Debug messages are not displayed in the Log Viewer but only written to a log file called *log.txt* in the regional configuration folder.

Live System Status

The Live System Status tab is used to show the status of the live system. Three lists show the status of the:

- Currently dispatched forecasts (taskruns)
- Currently executing forecasts (taskruns)
- Status of the Master Controllers
- Status of the Forecasting Shells

The status lists show the currently configured master controllers and forecasting shells. From this list a user can see if the systems are Alive or if they are down.

System Monitor

Log Browser Forecaster Notes **Live System Status** Scheduled Forecasts Running Forecasts Import Status

Current TaskRuns

TaskRuns	Status	Count
Currently Dispatched TaskRuns:		0
Currently Executing TaskRuns:		0

...

Status Master Controllers

MC ID	Status	Is Failover	Last Heartbeat
ukeaffsmc00	Alive	false	Wed 25-01-2023 11:58
ukeaffsmc02	Down	false	Mon 11-10-2021 14:53

...

Status Forecasting Shells

MC ID	FSS Group	FSS ID	Directory	Host Name	Status	Last Heartbeat
ukeaffsmc00	windows	1941	D:\fevs\fs1\102	CO-FEWS0059.DIRECTORY.INTRA	Ready	Wed 25-01-2023 11:58
ukeaffsmc00	windows	1961	D:\fevs\fs1\101	CO-FEWS0004.DIRECTORY.INTRA	Ready	Wed 25-01-2023 11:58
ukeaffsmc00	windows	1981	D:\fevs\fs1\102	CO-FEWS0004.DIRECTORY.INTRA	Ready	Wed 25-01-2023 11:58
ukeaffsmc00	windows	2001	D:\fevs\fs1\101	CO-FEWS0059.DIRECTORY.INTRA	Ready	Wed 25-01-2023 11:58

...

Users logged in

MC ID	User ID	OC Address	Login Time	Last Heartbeat
ukeaffsmc00	Onno van den Akker (OC)	L03161.DIRECTORY.INTRA	Wed 25-01-2023 11:56	Wed 25-01-2023 11:57

Scheduled Forecasts

The Scheduled Forecasts tab includes a list with all scheduled forecasts together with some information of these forecasts. The following information is included:

- Task ID: The Task ID is a unique ID generated by the Master Controller
- Description: The description is given by the user that scheduled the forecast
- Workflow ID: The Workflow ID is the id of the workflow that is scheduled. The workflow id's can include Forecasting Shell workflows and Master controller workflows.
- MC ID: ID of the Master Controller where the task is scheduled on
- Priority: This can be a high or normal priority
- Repeat Time: The repeat time of the task in minutes
- Next Due Time: The next time when the task is scheduled to run
- Task Status: The status can be suspended or pending. Suspended tasks normally depend on an action to trigger them, such an action can be a threshold crossing.

Forecast Product Info

Task ID	Description	Workflow ID	MC ID	Priority	Repeat Time	Next Due Time	End of schedule	Task Status	EventActionTag
ukeaffsmc00:0000363	Archive_Export_Daily	Archive_Export_Daily	ukeaffsmc00	Normal	1 day	Fri 08-10-2021 07:00		Pending	
ukeaffsmc00:0001841	Calculate CWI and A...	Calculate_CWI	ukeaffsmc00	Normal	1 hour	Thu 07-10-2021 12:13	Fri 01-01-2100 00:00	Pending	
ukeaffsmc00:0000309	Rate of Rise Calcula...	Calculate_RateOfRise	ukeaffsmc00	Normal	15 minute	Thu 07-10-2021 12:00		Pending	
ukeaffsmc00:0000355	Create Coastal Rep...	CoastalReports	ukeaffsmc00	Normal	-	Fri 01-01-2100 00:00		Suspended	Coastal_Reports
ukeaffsmc00:0000346	Compose Coastal BE	ComputeCoastalBE	ukeaffsmc00	Normal	6 hour	Thu 07-10-2021 17:00		Pending	
ukeaffsmc00:0000334	Compute tidal foreca...	ComputeCoastalFor...	ukeaffsmc00	Normal	-	Fri 01-01-2100 00:00		Suspended	CMRDET_new
ukeaffsmc00:0000354	Compute tidal foreca...	ComputeCoastalFor...	ukeaffsmc00	Normal	-	Fri 01-01-2100 00:00		Suspended	CMRENS_new
ukeaffsmc00:0000366	Compose Coastal R...	ComputeCoastalRWC	ukeaffsmc00	Normal	6 hour	Thu 07-10-2021 17:00		Pending	
ukeaffsmc00:0000371	Run Compute_MVT...	Compute_MVT_UK...	ukeaffsmc00	Normal	-	Fri 01-01-2100 00:00		Suspended	TRITON_WestSuss...
ukeaffsmc00:0000352	Run Compute_MVT...	Compute_MVT_UK...	ukeaffsmc00	Normal	-	Fri 01-01-2100 00:00		Suspended	TRITON_WestSuss...
ukeaffsmc00:0000322	Fluvial BE Series Ge...	Create_NWP_Mediu...	ukeaffsmc00	Normal	6 hour	Thu 07-10-2021 12:00	Fri 01-01-2100 00:00	Pending	
ukeaffsmc00:0000342	Fluvial RWC Scenario	Create_NWP_Mediu...	ukeaffsmc00	Normal	6 hour	Thu 07-10-2021 12:00	Fri 01-01-2100 00:00	Pending	
ukeaffsmc00:0000341	Database_Maintena...	Database_Maintena...	ukeaffsmc00	Normal	1 day	Fri 08-10-2021 03:30		Pending	
ukeaffsmc00:0000331	Database_Maintena...	Database_Maintena...	ukeaffsmc00	Normal	day 1 of each month...	Mon 01-11-2021 04:00		Pending	
ukeaffsmc00:0000311	Database_Maintena...	Database_Maintena...	ukeaffsmc00	Normal	days 7 14 21 28 of e...	Thu 14-10-2021 04:00		Pending	
ukeaffsmc00:0000324	Create Fluvial Scena...	Fluvial_Scenario_M...	ukeaffsmc00	Normal	6 hour	Thu 07-10-2021 16:04		Pending	
ukeaffsmc00:0000304	BWQ - Calculate Pol...	Forecast_BWQ	ukeaffsmc00	Normal	1 day	Fri 08-10-2021 07:30		Pending	
ukeaffsmc00:0000347	Import BWQ API Pol...	Import_BWQ	ukeaffsmc00	Normal	1 hour	Thu 07-10-2021 12:03		Pending	
ukeaffsmc00:0000302	Import BWQ Wind a...	Import_BWQ_MOWI...	ukeaffsmc00	Normal	1 day	Fri 08-10-2021 04:10		Pending	
ukeaffsmc00:0000310	Import Coastal Fore...	Import_Coastal_For...	ukeaffsmc00	Normal	15 minute	Thu 07-10-2021 12:04		Pending	
ukeaffsmc00:0000369	Import Coastal Obs...	Import_Coastal_Obs...	ukeaffsmc00	Normal	15 minute	Thu 07-10-2021 12:03		Pending	
ukeaffsmc00:0000308	Import G2G Medium...	Import_G2G_Forecast	ukeaffsmc00	Normal	1 hour	Thu 07-10-2021 12:06		Pending	
ukeaffsmc00:0000348	Import G2G Medium...	Import_G2G_Mogre...	ukeaffsmc00	Normal	1 hour	Thu 07-10-2021 12:12		Pending	
ukeaffsmc00:0000370	Import G2G Nowcas...	Import_G2G_Nowcas...	ukeaffsmc00	Normal	15 minute	Thu 07-10-2021 12:08		Pending	
ukeaffsmc00:0000368	Import Radar, Nowc...	Import_Nowcast	ukeaffsmc00	Normal	15 minute	Thu 07-10-2021 11:58		Pending	
ukeaffsmc00:0000349	Import Nowcast Ens...	Import_Nowcast_En...	ukeaffsmc00	Normal	15 minute	Thu 07-10-2021 12:01		Pending	
ukeaffsmc00:0000367	Import NWP Forecast	Import_NWP_Forec...	ukeaffsmc00	Normal	30 minute	Thu 07-10-2021 12:04		Pending	
ukeaffsmc00:0000307	Import NWP Rainfall...	Import_NWP_Mogre...	ukeaffsmc00	Normal	1 hour	Thu 07-10-2021 12:02		Pending	
ukeaffsmc00:0000327	Import Met Office P...	Import_Products	ukeaffsmc00	Normal	6 hour	Thu 07-10-2021 17:02		Pending	
ukeaffsmc00:0000350	Scheduled import w...	Import_Telemetry	ukeaffsmc00	Normal	10 minute	Thu 07-10-2021 12:03		Pending	
ukeaffsmc00:0000344	Leeds Urban	Leeds_Urban_Forc...	ukeaffsmc00	Normal	1 hour	Wed 17-03-2021 13:...	Tue 12-01-2100 00:00	Suspended	Leeds_Urban_Forc...
ukeaffsmc00:0000301	Azure Service Bus A...	MC_System_Mainten...	ukeaffsmc00	Normal	-	Thu 01-01-2019 00:00		Succeeded	Leeds_Urban_Forc...

Cancel Task Suspend Task Resume Task Edit Task Pause Task Close Help

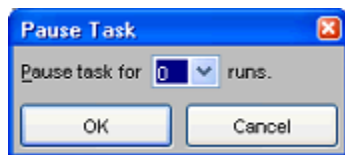
Map Data Display Spatial Display Peak Heights Topology Modifier Web Browser System Monitor

Logs 2: Forecaster Notes 3: Run Info

Erik Pelgrim Current system time: Thu 07-10-2021 11:45 GMT 11:56:02 GMT 13:56:02 CEST Archive: Azure FFFS Archive S... ukeaffsmc00 -273164 , 940682 0.0 MB/s 468 MB

In the Scheduled Forecast tab a user can...

- Cancel a scheduled task by clicking [Cancel]
- Suspend a scheduled task by clicking [Suspend]
- Resume a suspended task by clicking [Resume]
- Pause a scheduled task for up to 5 of runs by clicking [Pause] and filling in the display that pops up (see below). You can undo the pausing by resetting the number of runs for which a task has been paused to '0'.



Please note that not all options are available for all workflows. A user can for example normally not cancel the current forecast and import runs scheduled by the super user. Also the status of system management workflows can normally not be changed by a user.

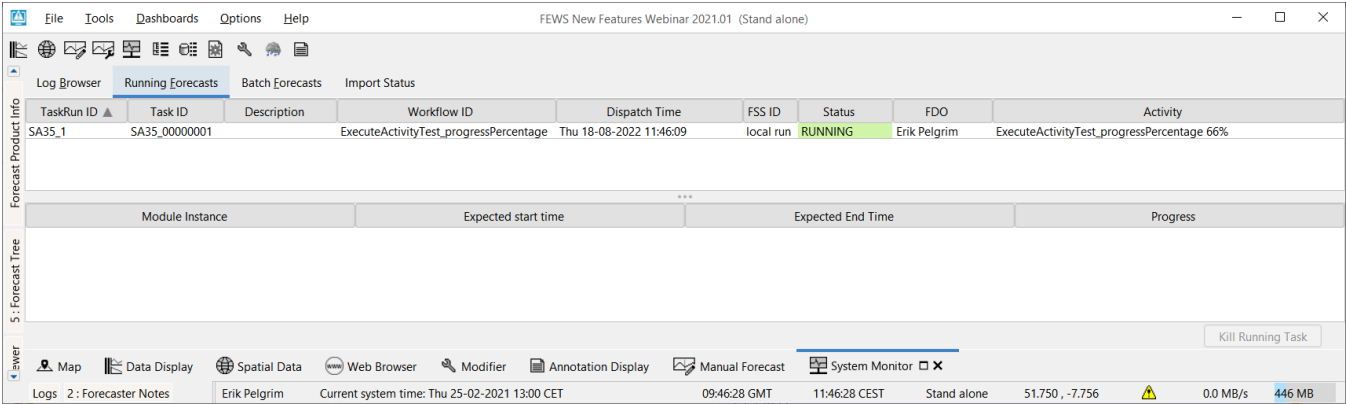
Running Forecasts

The Running Forecasts Tab includes a list with all tasks that are currently running on a Forecasting Shell. The list includes information on the task that is running and the Forecasting Shell it is running on.

Since 2021.02 this tab is also added to SA and it has a new column:

- Activity: this shows the current module instance that is running, this will only show a number higher than 0 when execute activities in the general adapter either read the progress from the console of the executable and / or have <activityDurationWeight> configured. See the [console](#) element of the general adapter.

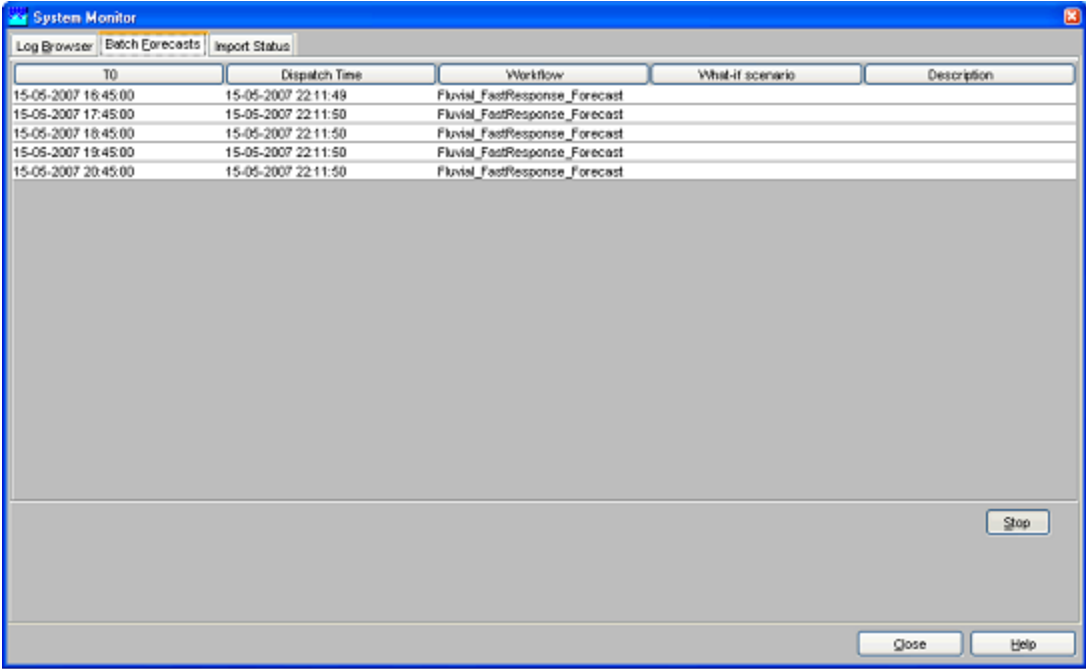
If the option <updateModuleRunTimesOnCompletion> is configured in the ModuleInstanceDescriptors.xml , Few's will register the last duration of the run. This information is then used to estimate the expected completion time, the next time you run this workflow. To see these estimates at the module level in the bottom table, one needs to select the task in the top table of the Running Forecast tab. Note that the progress of the module (at the bottom) is an estimate based on previous runs, while the Task progress at the top is typically based on actual progress reported by the General Adapter.



A manually dispatched task can be killed by pressing on the 'Kill Running Task' button. Note that this is a hard process kill which may lead to corruption of the local datastore.

Batch Forecasts

The Batch Forecast tab will list the forecasts that have been submitted in the Manual Forecast display of a standalone system. You stop all submitted forecast runs by clicking [Stop].



Synchronisation Status

The Synchronisation Status tab provides the status of all synchronisation activities. For each synchronisation activity the following information is provided:

- Activity: identifies the synchronisation activity
- Type: single or continuous. A single type activity is only started after certain manual actions
- Frequency: only applicable for continuous synchronisation activities. The frequency is given in minutes.
- Last Synch Time: the date and time the synchronisation activity has last taken place.
- Status: is either empty or shows 'synchronising', meaning that this activity is now synchronising.
- Progress: shows the number of records of the maximum number of records to synchronise. This field is only used for the activity being synchronised.

5 : Interactive Forecasts

6 : Data Viewer

Log Browser

Bulletin Board

Live System Status

Scheduled Forecasts

Running Forecasts

Synchronisation Status

Import Status

Activity ID	Type	Inserted B...	Updated B...	Network B...	Inserted R...	Updated R...	Failed Inse...	Failed Upd...	Time	LastSynch...	Status	Progress
Users	continuous			624 B					0.0s		Downloading	0 of 26
UserToGrou...	continuous			576 B					0.0s		Downloading	0 of 24
SystemActiv...	continuous	1.2 MB		2.0 MB	21080				15s	07-10-2021 ...		
Component...	continuous	3.9 MB		3.9 MB	461				12s	07-10-2021 ...		
MasterContr...	continuous	434 B		506 B	3				0.0s	07-10-2021 ...		
FSSGroups	continuous			144 B					0.0s		Downloading	0 of 6
Forecasting...	continuous			144 B					0.0s		Downloading	0 of 6
FewsWebSer...	continuous								0.0s			
FssStatus	continuous	360 B		504 B	6				0.0s	07-10-2021 ...		
LiveMcAvail...	continuous	149 B		221 B	3				0.0s	07-10-2021 ...		
FssResources	continuous			144 B					0.0s		Downloading	0 of 6
DeletedRows	continuous			319 kB					0.0s		Downloading	0 of 430
HistoricalEv...	continuous								0.0s			
FloodPeriods	continuous								0.0s			
Samples	continuous								0.0s			
ProductInfo	continuous								0.0s			
ExternalFore...	continuous								0.0s			
WhatIfScena...	continuous								0.0s			
Tasks	continuous			6.4 kB					0.0s		Downloading	0 of 273
FewsSessions	continuous			15 kB					0.0s		Downloading	0 of 626
TaskRuns	continuous			317 kB					0.0s		Downloading	0 of 13515
ModuleInsta...	continuous			152 kB					0.0s		Downloading	0 of 6482
ModuleRun...	continuous			7.0 kB					0.0s		Downloading	0 of 300
Modifiers	continuous								0.0s			
ModulePara...	continuous								0.0s			
AttributeMo...	continuous								0.0s			
Scalar time s...	continuous			111 kB					0.0s		Downloading	0 of 4749
Manual	continuous								0.0s			
Astronomic...	continuous								0.0s			
Small extern...	continuous								0.0s		Disabled	
Simulated f...	single								0.0s			
Warm states	continuous								0.0s		Disabled	
ModuleRun...	continuous								0.0s			
Threshold E...	continuous			3.7 kB					0.0s			
ImportStatus	continuous			1.9 kB					0.0s		Downloading	0 of 81

Map

Data

System Monitor

Modifiers

Logs

jan Current system time: 07-10-2021 14:00 (GMT+1)

15:38:37 CEST

Last refresh time: 07-10-2021 14:37 (GMT+1)

nldefedmc02

55.741 , -8.640

0.0 MB/s

642 MB

4 : Plot Overview

Import Status

The Import Status tab provides information on the files that were last imported. For each import task the file name of the last imported file is shown including the date and time of the import. Also the number of files that were imported in that task are shown, with the number of failed imports.

By default all data feeds are visible in the Import Status tab. If some data feeds are not wanted, for example because they are not really relevant, one can use an option `disableDataFeedInfo` in the `TimeSeriesImport` config file. Since 2019.02 obsolete data feeds can be deleted from the admin interface. See [Files - Import Status](#).

Log Browser Live System Status Scheduled Forecasts Running Forecasts Import Status Export Status									
Data Feed	Workflow	Suspended	Directory	Last Import File	Last Import Time	Files Imported	Files Failed		
ASTRO	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	none	Tue 17-10-2023 06:23:18	0	0		
CONTENT_REVIEWER	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	IDV36240-20231017095517.xml	Thu 19-10-2023 08:03:28	3	0		
FLOOD_WARNINGS	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	IDV36240-20231017095517.xml	Thu 19-10-2023 08:03:28	3	0		
FLOOD_WATCHES	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	none	Thu 19-10-2023 08:03:28	0	0		
HCS-discharge	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	DI_10M_20231016_2350.hcs	Thu 19-10-2023 02:14:59	94	0		
HCS-rain15min	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	RN_900_20231017_0000.hcs	Thu 19-10-2023 02:14:12	96	0		
HCS-rain1h	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	RN_AWS_3600_20231016_233...	Thu 19-10-2023 02:14:13	47	0		
HCS-rain24h	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	RN_ROT_86400_20231016_23...	Thu 19-10-2023 02:14:13	15	0		
HCS-rainaccum	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	RainAccum_20231016110023...	Thu 19-10-2023 02:34:40	25	0		
HCS-rainevent	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	RainEvent_20231016110108.h...	Thu 19-10-2023 02:34:41	45	0		
HCS-waterlevel	Import Observed Data	<input checked="" type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	WL_1M_20231017_0001.hcs	Thu 19-10-2023 02:34:39	1437	0		
QPE-aus	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	none	Tue 17-10-2023 06:23:28	0	0		
Tidal Corrections	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	IDV09001.sealevel_river.hyfs...	Thu 19-10-2023 02:29:34	1	0		
reservoir	Import Observed Data	<input type="checkbox"/>	\\dfs-trusted.directory.intra\dfs\hyfstmc00\tofs\Import\HyFS\scalars\...	none	Thu 19-10-2023 02:29:34	0	0		

Last import time is updated only if at least one file has been successfully imported. The cell in the column 'Files Failed' is colored red when there is one or more files failed.

An example (see two pictures below) :

First picture shows fully successful imports at 08:03:28. Second picture shows partly successful import (Level measured) and failed import (Discharge measured). The files has been imported at 08:11:24. Last import time of the partly successful import has been updated. Last import time of the failed import is not updated, since no file has been successful imported .

System Monitor					
Log Browser Forecaster Notes Batch Forecasts Import Status					
Data Feed	Directory	Last Import Time	Last Import File	Files Imported	Files Failed
Discharge measured	D:\Fews\ConfigExample\Import\external\discharge	09-06-2016 08:03:28	Q_m.xml	1	0
Level measured	D:\Fews\ConfigExample\Import\external\level	09-06-2016 08:03:28	H_m.xml	1	0

System Monitor					
Log Browser Forecaster Notes Batch Forecasts Import Status					
Data Feed	Directory	Last Import Time	Last Import File	Files Imported	Files Failed
Discharge measured	D:\Fews\ConfigExample\Import\external\discharge	09-06-2016 08:03:28	Q_m_02.xml	0	2
Level measured	D:\Fews\ConfigExample\Import\external\level	09-06-2016 08:11:24	H_m_02.xml	1	1

Last import time stays red if the time series has been never imported for that data feed. The picture below illustrates this. There is no time series imported from Q_m.xml, because the wanted time series were not available in the file. There is also no time series imported for Level measured, since the import folder was empty.

System Monitor					
Log Browser bulletinBoard Batch Forecasts Import Status					
Data Feed	Directory	Last Import Time	Last Import File	Files Import...	Files Failed
Discharge measured	D:\Fews\ConfigExample\Import\external\discharge	08-03-2017 12:22	Q_m.xml	0	0
Level measured	D:\Fews\ConfigExample\Import\external\level	08-03-2017 12:22	none	0	0

Export Status

The Export Status tab provides information on the files that were last exported. For each export task the file name of the last exported file is shown including the date and time of the export. Also the number of files that were exported in that task are shown, with the number of failed exports.

By default all data feeds are visible in the Export Status tab. If some data feeds are not wanted, for example because they are not really relevant, one can use an option *disableDataFeedInfo* in the TimeSeriesImport config file. See [Files - Export Status](#).

Log Browser	Live System Status	Scheduled Forecasts	Running Forecasts	Import Status	Export Status			
Data Feed	Workflow	Suspended	Directory		Last File Exported	Last Export Time	Files Exported Count	Files Failed Count
Export.IssuedForecasts	Export Issued forecasts and ...	<input type="checkbox"/>	d:\fews\fs\1\Export\Warnings		Issued_Area_Watches_20231...	Tue 17:10:2023 17:00:14	3	0
Export.PeakHeights	Export Issued forecasts and ...	<input type="checkbox"/>	d:\fews\fs\1\Export		Peak_Heights_202310170600...	Tue 17:10:2023 17:00:15	1	0

Last export time is updated only if at least one file has been successfully exported. The cell in the column 'Files Failed Count' is colored red when there is one or more files failed.