

Component/s	Customer name	Key	Summary	Release Note Text	Release Note Text Description	Config Example
App - Admin Web User Interface		FEWS-16161	FEWS-9556 RWsOS Noordzee: M161116420\01 aantal export taken verdwenen	One-off tasks with a tag no longer have an initial expiry time when inserted or uploaded.		
App - Admin Web User Interface		FEWS-16587	Admin Interface: task is hanging although it has finished successfully (JMS Problem)			
App - Admin Web User Interface	Sava	FEWS-16442	AdminInterface: Files links in table do not work in Windows with back-slashes '\'			
App - Admin Web User Interface	Deltares	FEWS-15980	FEWS-15833 AI: sorting on column Task status in Scheduled Tasks overview does not produce expected results	taskStatus sorting in AdminInterface task status page now also differentiates between suspended and pending		
App - Archive		FEWS-15004	FEWS-15003 Add locations,parameters,qualifiers and moduleinstances to the elastic catalogue			
App - Archive		FEWS-16609	FEWS-15833 TVA: error trying to connect to Archive			
App - Archive	Deltares-USA	FEWS-16172	FEWS-15833 Archive Error when importing the same forecast type for multiple areas			
App - Archive	Deltares-USA	FEWS-16173	FEWS-15833 Archive Search Skips Years			
App - Archive	Deltares-USA	FEWS-16171	FEWS-15833 Archive Export Does Not Appear to See Qualifiers			
App - Archive	Bureau of Meteorology	FEWS-16211	FEWS-13318 HYFS-3129 :Archive can't find external forecast data before 8/11/16 on PROD			
App - Archive	Bureau of Meteorology	FEWS-16174	FEWS-13318 HyFS: Internal Harvester run has failures (Only in UAT)			
App - Configuration Manager Gui		FEWS-16141	FEWS-15833 nullpointer opening CM when updating new patch	Incidental nullpointer fixed in the splashscreen, an animated gif is now used for the progress icon.		
App - Configuration Manager Gui		FEWS-16604	FEWS-15833 HERMES and BCH: Config Secondary Validation reports incorrect errors			
App - Configuration Manager Gui	testsysteem BOS Regge	FEWS-16252	FEWS-15833 Cannot refresh Config DataStore after import:Error reading : DefaultPiClientConfigurations			
App - Configuration Manager Gui	Deltares	FEWS-16020	FEWS-15833 Config Manager: detects validation error in Longitudinal.xml while XML-Spy validates	Xml files for obsolete schemas can no longer be imported by the ConfigManager	ConfigManager provides a ConfigError when xml files for obsolete schemas longitudinalDisplay.xsd, correlationEventSetsDescriptors.xsd, flagConversionsDescriptors.xsd, idMapDescriptors.xsd, travelTimesDescriptors.xsd, unitConversionsDescriptors.xsd are to be imported.	
App - Data Conversion Module		FEWS-16478	DCM Null pointer program error			
App - Data Import Module (DIM)	Noorderzijvest WAM	FEWS-15777	import of csv files from external FTP fails			
App - Delft-FEWS		FEWS-15889	FEWS-15833 Nullpointer out-of-bounds program error			
App - Delft-FEWS		FEWS-16666	FEWS-15833 TVA: general errors (ActiveMQ; PiService) upon install on development system			
App - Delft-FEWS	Deltares	FEWS-15993	FEWS-15833 Map display: single locations don't move while panning in map display			

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App - Forecasting Shell Server		FEWS-16474	FEWS-15833 NWS: RepairAndDefrag deleted local.fdb when run on the forecast shells	Firebird database repair fails on 64 bit linux	Firebird database repair fails on 64 bit linux. In the repair.fdb.zip the gfix and gbak tools were still built for 32 linux. With this fix, the zip file now contains the 64 bit versions of the tools. To make the fix work with the latest basebuild, the required-file-list.txt in the bin directory has to be updated as well. Change the following entry to: repair.fdb.zip;1230415	
App - Forecasting Shell Server		FEWS-16272	libnetcdf.so heeft glibc 2.7 nodig			
App - Launcher Gui	Deltares	FEWS-15876	Using PCRaster will result in invalid error messages about unknown files	PCRaster 4.1 has to be installed in Modules\pc_raster_bin\	For 64 bit support the PCRaster 4.1 libraries should no longer be installed in the FEWS bin directory but in the Modules\pccraster\lib directory. See: https://publicwiki.deltares.nl/display/FEWSDOC/PCRaster	
App - Master Controller Server		FEWS-16521	tasks in predefined batch run not always run in correct order			
App - Master Controller Server	Deltares	FEWS-15507	FEWS-14821 deadlock victims	Installation instructions for preventing deadlocks in SQL Server using read_committed_snapshot have been added to the wiki.	* A default SQL Server installation uses pessimistic locking, causing now and then deadlocks on busy systems. For now, enabling read_committed_snapshot mode is recommended for systems with direct database access	
App - Master Controller Server	Deltares	FEWS-15808	Sort Order of batch runs not always correct	The sort order of batch taskruns via the TaskManager has been fixed.	In principle tasks via the TaskManager are dispatched independently except when using batch runs. This was sometimes failing to be executed in the correct order	
App - Operator Client Gui (Explorer)		FEWS-16586	FEWS-15833 BPA: Incorrect popup at startup asking if you want to keep mods			
App - Operator Client Gui (Explorer)		FEWS-16560	Error melding verbeteren			
App - Operator Client Gui (Explorer)		FEWS-16337	FEWS logt ERROR wanneer een fort.88 file in \bin folder staat. Mag geen ERROR loggen			
App - Operator Client Gui (Explorer)		FEWS-16283	FEWS-15833 Explorer: toon icoon op midden van een lijn-locatie ipv aan het begin			
App - Operator Client Gui (Explorer)		FEWS-16187	FEWS-10616 blobs not getting synched down correctly to the OC			
App - Operator Client Gui (Explorer)		FEWS-16103	FEWS-15833 error when logging out from a https client			
App - Operator Client Gui (Explorer)		FEWS-16669	FEWS-15833 NWS: ERROR - Can not find task run for simulated forecast			
App - Operator Client Gui (Explorer)		FEWS-16218	Layer panel not on top when map or grid display is undocked			
App - Operator Client Gui (Explorer)		FEWS-16064	FEWS-15833 Attribute Filter: unselecting previous selection does not have any effect			
App - Operator Client Gui (Explorer)		FEWS-16051	FEWS-15833 Qualifier tree closes when qualifier labels are changed, opened trees/leaves should remain opened			
App - Operator Client Gui (Explorer)	fews vecht	FEWS-16584	Derby. ERROR - TimeSeriesDialog.loadTimeSeriesRunnable - A lock could not be obtained within the time requested			
App - Operator Client Gui (Explorer)	fews vecht	FEWS-16354	initial start of empty OC, which synchronises config, does not work.			

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App - Operator Client Gui (Explorer)	fewes sava	FEWS-16419	Strange default qualifier "-" if no qualifiers used. Should be empty list			
App - Operator Client Gui (Explorer)	fewes sava	FEWS-16381	Filters - select by attribute gives dialog of Shrink selection			
App - Operator Client Gui (Explorer)	all systems	FEWS-16413	If fewes restarts (for example due to new patch) you get error message that temp file could not be deleted			
App - Operator Client Gui (Explorer)	TVA	FEWS-15476	TVA>Loading icons is slower			
App - Operator Client Gui (Explorer)	Deltares	FEWS-16073	FEWS-15833 OC/SA clients refresh completely after uploading config			
App - Operator Client Gui (Explorer)	Deltares	FEWS-16052	FEWS-15833 Qualifier box: qualifier group highlighted, but no active content (all 'grayed out')			
App - Operator Client Gui (Explorer)	Deltares	FEWS-16011	FEWS-15833 Error when exiting FEWS.			
App - Operator Client Gui (Explorer)	Deltares	FEWS-15862	Time zone of explorer log panel should be update after changing time zone			
App - Operator Client Gui (Explorer)	Deltares	FEWS-15605	getQualifierMapAndAvailableGroups ERROR when clicking in Filters (gui.explorer.ExplorerQualifiers) in latest 2016.02 build			
App - Operator Client Gui (Explorer)	Deltares	FEWS-15758	Stacktrace OC na update config	Sometimes the OC throws a stacktrace after update config	Sometimes the OC throws a stacktrace after update config.	
App - Operator Client Gui (Explorer)	Deltares	FEWS-15682	FEWS-14821 HYFS-2885: Station tooltip displays incorrect value for Rating type if it does not exist			
App - Operator Client Gui (Explorer), Plugin - Gui - Time Series	Deltares	FEWS-15638	In DisplayGroups loop over locations, locationRelationId not always shown in graph			DisplayGroups.xml: <pre>{code} <displayGroup name="Rijkswaterstaat"> <displayGroup name=" "> <locationLoop> <locationSetId>KRW-wl-wkb-Rijkswaterstaat-zout</locationSetId> <locationRelationId>meetnet_parent</locationRelationId> </locationLoop> <display name="winter DIN"> <relativeViewPeriod unit="day" start="-5" end="5"/> <plotId>Vergelijking_DIN</plotId> </display> </displayGroup> {code}</pre> LocationSets.xml: <pre>{code} <attributeFile> <csvFile>meetpunten_parents</csvFile> <id>%FEWSID%</id> <relation id="meetnet_parent"> <relatedLocationId>%KOPPELING%</relatedLocationId> </relation> <attribute id="KOPPELING" name="Locatie ID parent"> <description>Locatie ID van parent die dit meetpunt gebruikt</description></pre>
App - Operator Client Gui (Explorer)	Bureau of Meteorology	FEWS-16166	FEWS-13318 HYFS-3104 Hyperlinks in the Reports Archive do not open IE and the link	Links in report archive will open in browser	Links in report archive will open in browser. For example a link to a PDF file will be opened in Internet Explorer if that is the default system browser	
Configuration		FEWS-16150	IllegalArgumentExpection: Multiple values defined, value index should be specified			

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Configuration	fewes sava	FEWS-16329	ERROR - ColorScheme.create - Config.Error: Failed to read colorSchemes config:			
Configuration	Deltares	FEWS-15943	idmapping string is too short causing that we cannot import grid data			
Configuration - ValidationStatus		FEWS-16225	Can not find constantFlag			
Data Access Component	SEQwater	FEWS-16104	FEWS-14821 Error only sometimes when writing time series in TimeSeriesView			
Data Access Component	NIER	FEWS-15900	FEWS-15833 Exception occurred in transformation with id 'Grid to Dummy interpolation ROP' src == null			
Database		FEWS-16355	FEWS-15833 NWS: ERROR Datastore refresh stopped			
Database		FEWS-15868	FEWS-9861 NWS: #22905 Errors in emergency patch #63141 for NWS			
Database		FEWS-15462	Failed to create dir. FileUtils.ensureDirExists is not thread safe			
Database		FEWS-15910	FEWS-15833 NWS: database error			
Database	Waterboard Zuiderzeeland	FEWS-16494	FEWS-9766 Zuiderzeeland: Selection of locations based on open database table gives too many results			
Database, System - Synchronisation	Deltares-USA	FEWS-15800	FEWS-14821 Sometimes dda OC clients stop synching			
Database	Deltares	FEWS-16026	TimeSeriesFilter - NullPointerException while comparing two filters			
Database	Deltares	FEWS-15983	FEWS-15833 FewesTimeSeriesHeaders - method removeDuplicateTimeSeries does not work anymore			
Database	Deltares	FEWS-15975	FEWS-14821 HYFS-2981: ERROR - FewesExplorerEnvironment.compactCacheAndIndexFilesRunnable - Compact index files stopped, restart FEWS			
Database	Deltares	FEWS-15938	FEWS-15833 Replicating a derby database to a derby database does not work			
Database	Deltares	FEWS-15549	Reconnecting does not work for PostGreSql when OC time zone is AEST			
Database	Deltares	FEWS-15516	Indexing task run completions can cause out of memory exception.			
Database	Deltares	FEWS-14804	Forecasts with times series all rolling barreled are still visible in the forecast manager and database viewer			
Database	BoM (Aus)	FEWS-15987	FEWS-14821 HyFS-3001: MemoryResultSet.error in UAT			
Database	BPA Hermes	FEWS-15881	BPA-HERMES: NullPointerException TimeSeriesBlob.getPackedBytes			
Database	BOS Regge	FEWS-15989	FEWS-15833 sometimes errors like "[2016-11-02 09:02:20,239] ERROR - SystemActivitiesTable.validateIndexFiles - Datastore.Error: 4 of 24894 database system activity rows are missing in the index file (first missing RDREMC00:000328688)"			
Debug Tool - Database Viewer		FEWS-16340	After importing of rating curves, the database lister does not work anymore			
Debug Tool - Database Viewer		FEWS-16226	FEWS-15833 Illegal argument exception when showing domain/non-domain timeseries in Data Lister			
Debug Tool - Database Viewer		FEWS-16526	Some external forecasts are not visible in the database viewer / amalgamate			
Debug Tool - Database Viewer, Plugin - Module - Statistics	Deltares	FEWS-16019	FEWS-15833 Interval Statistics: multiple lines per timeseries			
Debug Tool - Database Viewer	Deltares	FEWS-15629	Replace grids with only missings by NULL			

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Debug Tool - Workflow Navigator		FEWS-16382	FEWS-15833 NWS: F12-K Workflow Navigator uses significant memory and can freeze FEWS especially when using F11 to show "both visible and invisible workflows"			
Debug Tool - Workflow Navigator	Deltares-USA	FEWS-15891	FEWS-15833 ERROR - TimeSeriesDialog.loadTimeSeries - isTrue for 2nd check			
Module Adapter - All	Deltares-USA	FEWS-15895	FEWS-15833 ARMA ErrorModel.InvalidData: Simulated values contain missing values for timeseries sets			
Module Adapter - Delft3D		FEWS-16538	FEWS-15833 TVA: Delft3D adapter produces duplicate stateLoc entries in import_states.xml which causes error with ImportStateActivity			
Module Adapter - HEC-HMS		FEWS-16133	HEC-HMS adapter log ERROR when there is no error			
Module Adapter - SOBEK	fews vecht	FEWS-16310	java.lang.UnsupportedOperationException: Nefis 3 library not supported for 64 bitWindows 7 version: 2016.02, build: 65282 (patched from 63722)	PreSobekAdapter only runs on 32 bit with customJreDir	The PreSobekAdapter can only run on 32 bit. To run it in a 64 bit environment, the customJreDir can be configured to point to a 32 bit JRE.	
Plugin - Gui - Archive Display		FEWS-15976	FEWS-14821 HyFS: 2016.01 client does not work with 2014.02 archive			
Plugin - Gui - Archive Display	TVA	FEWS-16119	FEWS-10616 simulated time series <type> in <searchDataTypes> shows up blank in ArchiveModuleDisplay			
Plugin - Gui - Archive Display	Bureau of Meteorology	FEWS-16164	FEWS-13318 HYFS-3051 Downloading Archive event data gives an error			
Plugin - Gui - Grid Display		FEWS-16404	FEWS-15833 NWS: Spatial Display caption footer continuously resizes	GridDisplay: Fixed bug in resizing of map footer.	GridDisplay: Fixed bug in resizing of map footer.	
Plugin - Gui - Grid Display		FEWS-16306	Drawing a longitudinal profile from a grid in spatial display does not work anymore			
Plugin - Gui - Grid Display		FEWS-16291	Can not find library AviMovieMaker.dll in D:\FEWS201701\binjava.lang.UnsatisfiedLinkError : Can not find library AviMovieMaker.dll in D:\FEWS201701\bin version: 2017.01, build: 65248	Fixed invalid exception on missing AviMovieMaker.dll when using screen recording with 64 bit jre.		
Plugin - Gui - Grid Display		FEWS-16157	spatial display showing NaN, while data is available		Trunk: r65133 Stable 2016.02: r65177	
Plugin - Gui - Grid Display		FEWS-16112	FEWS-Pudong: Null pointer program error at nl.wldelft.libx.openmap.CoverageLayer.readPixelZ Values			
Plugin - Gui - Grid Display		FEWS-16062	FEWS-15833 plot icon is showing red cross while data is displayed			
Plugin - Gui - Grid Display, Plugin - Gui - Time Series		FEWS-16014	FEWS-15833 SetTimesDialog: decrease display time button does not do anything.			
Plugin - Gui - Grid Display		FEWS-15997	FEWS-15833 Grid data disappears when showing extracted longitudinal profile in TimeSeriesDialog			
Plugin - Gui - Grid Display		FEWS-12462	FEWS-13857 GridDisplay: datum toggle button does not toggle when drop down item is selected.	Fixed bug in GridDisplay with toggleDatum button.	Fixed bug in GridDisplay where toggleDatum button toggle status was not updated when displayUnitConversions.preset	
Plugin - Gui - Grid Display		FEWS-15382	FEWS-14821 Dynamic selection of data via attributes in the grid display does not work as expected			
Plugin - Gui - Grid Display		FEWS-11005	Subgrid velocity arrows are not visible when showing quadtree subgrid data in GridDisplay	Fixed config problem in config for functional component tests.	Fixed config problem in config for functional component tests.	
Plugin - Gui - Grid Display		FEWS-16659	GridDisplay error: java.lang.ArrayIndexOutOfBoundsException: 0 version: 2016.02, build: 66021	GridDisplay: Fixed bug when hovering over grid while loading gridPlot for the first time.		
Plugin - Gui - Grid Display		FEWS-14907	FEWS-14498 Countour Lib Java version			
Plugin - Gui - Grid Display		FEWS-16684	GridDisplay error: ErrorDisplayer.lambda\$static\$1 - Illegal method call !runs.isInitialRefreshFinished()			

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Plugin - Gui - Grid Display	FOEN (CH)	FEWS-13407	FEWS-12909 FEWS-FOEN: When grids are overlapping, tooltip does not work correctly			
Plugin - Gui - Grid Display	Environment Agency (UK)	FEWS-16024	FEWS-15833 NGMS: Can not find library contour.dll in D:\Projecten\Q3986_NGMS\Applications\bin	Both the 64 bit and 32 bit contour.dll are read.	Before starting the contour library both the 64 bit and 32 bit libraries were checked for existence. This fails if the cleanup script has been run. Now the contour.dll is only checked and loaded on 32 bit windows.	
Plugin - Gui - Grid Display	Deltares-USA	FEWS-15616	FEWS-9861 NWS: FB2050. taskrun caption header in Spatial Display blocks actual data display			
Plugin - Gui - Grid Display	Deltares	FEWS-16046	FEWS-14821 HyFS-3011:ERROR - ErrorDisplayer.lambda\$static\$5 - 656692 at nl.wldelft.libx.openmap.CoverageLayer.colorBitmap.apPixelsFromSingleValues:1124			
Plugin - Gui - Grid Display	Deltares	FEWS-15961	Artifacts in Grid display for GeostationarySatelliteView			
Plugin - Gui - Grid Display	BOS Regge	FEWS-16124	FEWS-15833 Incorect position of labels in grid display legend bar		More margin left or right for inside legend ticklabel, trunk, r64810, backported to Stable201602, r64811	
Plugin - Gui - Grid Display	BOS Regge	FEWS-16125	FEWS-15833 Grid display, not possible to disable isolines			
Plugin - GUI - IFD - Dataviewer		FEWS-16136	FEWS-15833 Filters: Refreshing icons stopped after solving issue with qualifiers for PiWebservice			n:\Projects\1230000\1230099\B. Measurements and calculations\KRW NUTrend_definitieve_KRW_NUTrend_20161122_updateFEWSversie\
Plugin - GUI - IFD - Dataviewer		FEWS-16079	FEWS-15833 BPA: IFD tab cutoffs in linux			
Plugin - GUI - IFD - Dataviewer	Waternet	FEWS-16247	FEWS-15833 checkbox selection option not listed when using parameter nodes in data viewer			
Plugin - GUI - IFD - Dataviewer	TVA	FEWS-15634	FEWS-10616 TVA: search and select forecasts dropdown menu does not work			
Plugin - GUI - IFD - Forecaster Help		FEWS-16649	FEWS-15833 NWS: FB142 editing text files in Document Viewer (save and discard pop-up)	Discard is now correctly performed and save changes to Forecaster Help is now used as title.	Discard is now correctly performed. Save changes to Forecaster Help is now used as title.	
Plugin - GUI - IFD - Forecasts		FEWS-16606	FEWS-15833 NWS: stuck hourglass icon on "switch to view/forecast" node upon initial DDA login			
Plugin - GUI - IFD - Forecasts		FEWS-16599	FEWS-15833 NWS: incorrect hourglass icon when workflow is running			
Plugin - GUI - IFD - Forecasts		FEWS-16549	Edit run options: forecast length is messed up when switching back to 'Estimate length'			
Plugin - GUI - IFD - Forecasts		FEWS-16460	FEWS-15833 BPA: IFD config option to default to top plot thumbnail			<pre> {code.xml} <topology 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/topology.xsd"> <enableAutoRun>true</enableAutoRun> <enableAutoSelectParameters>true</enableAutoSelectParameters> <enableSelectNodesFromMap>false</enableSelectNodesFromMap> <selectFirstPlotOnSelectionChange>true</selectFirstPlotOnSelectionChange> {code} </pre>
Plugin - GUI - IFD - Forecasts		FEWS-16459	FEWS-15833 NWS: red outline icon does not disappear			

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Plugin - GUI - IFD - Forecasts		FEWS-16309	FEWS-13888 HyFS: Predefined activity not allowed in workflows used in Topology			
Plugin - GUI - IFD - Forecasts		FEWS-15953	FEWS-15833 Error message when refreshing the client			
Plugin - GUI - IFD - Forecasts		FEWS-16590	FEWS-15833 HERMES: Forecast nodes Icons continue to enlarge when changing color themes			
Plugin - GUI - IFD - Forecasts	Waterboard De Dommel	FEWS-15981	De Dommel: Config error: it not allowed to configure properties for node:XXX because this node can run workflows at the server			
Plugin - GUI - IFD - Forecasts	TVA	FEWS-16239	FEWS-10616 forecast length estimator issue in IFD			
Plugin - GUI - IFD - Forecasts	Deltares-USA	FEWS-16176	FEWS-15833 HERMES: Incorrect Forecast Length			
Plugin - GUI - IFD - Forecasts	Deltares-USA	FEWS-15907	FEWS-15833 Refreshing icons stopped, exception occurred:endTime can not be before startTime			
Plugin - GUI - IFD - Forecasts	Deltares-USA	FEWS-15509	FEWS-11235 IFD warm state box laat non-current states zien			
Plugin - GUI - IFD - Forecasts	Deltares	FEWS-15988	FEWS-14821 HyFS-3004: Running icon doesn't appear when Re-Run from modelling tab is used to run a node			
Plugin - GUI - IFD - Forecasts	Deltares	FEWS-15951	FEWS-15833 I'm not able to click the run all workflows button in the IFD			
Plugin - GUI - IFD - Forecasts	Deltares	FEWS-15878	FEWS-15833 IFD - can't navigate through Topology when <toolWindow> is configured for a node			
Plugin - GUI - IFD - Forecasts	Deltares	FEWS-15700	Stacktrace StackOverflowError			
Plugin - GUI - IFD - Forecasts	BPA Hermes	FEWS-15427	FEWS-12430 BPA: Extremely large PCA SWE values locking FEWS GUI			
Plugin - Gui - Longitudinal Profiles		FEWS-16185	Sobek adapter generates all zeros for longitudinal profile	Sobek adapter generates all zeros due to updated delftio library	Location names in Sobek His files were not read correctly causing all 0 values to be written. This was caused by the updated delftio library. Location names contained appending spaces.	
Plugin - Gui - Longitudinal Profiles		FEWS-16515	Null pointer for Longitudinal profile in DisplayGroups			
Plugin - Gui - Longitudinal Profiles	TVA	FEWS-16013	FEWS-15833 TVA: missing forecast simulation from model output (longitudinal profile)			
Plugin - Gui - Longitudinal Profiles, Plugin - Module - Statistics	HDSR	FEWS-15999	Illegal Argument exception when switching between statistics function and longitudinal profile			
Plugin - Gui - Longitudinal Profiles	Deltares	FEWS-15716	Longitudinal profile plots - applying display unit to parameter values is broken		applying display unit to parameter values is broken since 2016.01	
Plugin - Gui - Manual Forecast		FEWS-16430	FEWS-15833 NWS: cardinal time step not recognized in batch run			
Plugin - Gui - Map		FEWS-16458	WFS does not work when patch is loaded			
Plugin - Gui - Map, Plugin - Gui - Time Series	Deltares	FEWS-15521	Changing font size does not affect timeseries display and map			
Plugin - GUI - Sample Viewer		FEWS-16054	FEWS-15833 QualifierSelection: more timeseries shown than selected qualifiers			
Plugin - GUI - Sample Viewer		FEWS-16050	FEWS-15833 import samples: re-import of corrected sample only imported if value is changed, not for other properties/qualifiers			
Plugin - GUI - Sample Viewer	Deltares	FEWS-16066	FEWS-15833 Export from Sampleviewer: more records exported than selected			
Plugin - GUI - Sample Viewer	Deltares	FEWS-16065	FEWS-15833 Sampleviewer: lower part shows content not matching the selected samples			
Plugin - GUI - Sample Viewer	Deltares	FEWS-16053	FEWS-15833 samples: unselected location shown in lower part of sample viewer (sample content table)			

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Plugin - Gui - ScenarioEditor (NGMS)	Deltares	FEWS-15763	FEWS-12796 NGMS: Scenario Editor change to allow for selecting of data from a specific date	year month and day input in value field of scenario editor	For whatif scenario's that have the yearsParameterId configured for valueType grid, it's now possible to specify year month and date. It was already possible to enter a year. Years can be added using the yyyy format. For example: 2001 Month and day have to be entered using the yyyyMMdd format. For example: 20110325 (for march the 25th of 2011). Only existing dates are accepted as input.	<pre> (code) <typicalProfileVariable> <variable variableId="prfYAZ_RAIN.Historic" variableType="typicalgridprofile"> <timeSeriesSet> <moduleInstanceId>YAZ_run4R_Historic</module InstanceId> <valueType>grid</valueType> <parameterId>RAIN.Historic</parameterId> <locationId>YAZ</locationId> <timeSeriesType>simulated historical</timeSeriesType> <timeStep unit="day" multiplier="1"/> <relativeViewPeriod unit="day" start="0" end="18655" endOverrutable="true"/> <readWriteMode>editing visible to all future task runs</readWriteMode> </timeSeriesSet> </variable> <yearsParameterId>Year</yearsParameterId> <factorParameterId>factor</factorParameterId> </typicalProfileVariable> (code) </pre>
Plugin - Gui - Schematic Status Display	Deltares	FEWS-14803	FEWS-13857 SSD: svp warning indien de tijdserie leeg is die voor de navigatiebaar gebruikt wordt			
Plugin - Gui - System Monitor	fewes sava	FEWS-16440	Import status does not show directories where no data has been found			
Plugin - Gui - System Monitor	RWS (NL)	FEWS-15829	Old and new Bulletin Board show each others logging			
Plugin - Gui - System Monitor	Deltares-USA	FEWS-15906	FEWS-15833 System Monitor: Import Status not accurately reporting failed import	The imported files count is set to zero if no time series were written.		
Plugin - Gui - Tabular Config Files Display, Plugin - Gui - Time Series	HDSR	FEWS-16057	FEWS-15833 Tabular Config Files display jumps to top file while it shouldn't			
Plugin - Gui - Tabular Config Files Display	HDSR	FEWS-15970	Tabular Config files display values rounded to 0			
Plugin - Gui - TaskRunDialog		FEWS-16498	ErrorDisplayer.lambda\$static\$1 - javax.swing.JPanel cannot be cast to java.util.Date			
Plugin - Gui - Time Series		FEWS-16610	FEWS-15833 TVA: longitudinal profile plot ERROR - TimeSeriesDialog.loadTimeSeries - true != false for 4th check			
Plugin - Gui - Time Series		FEWS-16518	Nulpointer bij bekijken Time of Validity in Time Series Display	Enabling time of validity without an edit button resulted in an error	When the time of validity was enabled, the "enable edit mode" button was expected to be present as well. This is no longer required.	
Plugin - Gui - Time Series		FEWS-16513	FEWS-15833 NWS: Back to previous zoom extent shortcut moves to different window			
Plugin - Gui - Time Series		FEWS-16510	FEWS-15833 NWS: Restore initial zoom period button graved out			
Plugin - Gui - Time Series		FEWS-16441	formatting of y-axis value lables should be consistent			
Plugin - Gui - Time Series		FEWS-16431	FEWS-15833 NWS: default graphical editing of time series has changed			
Plugin - Gui - Time Series		FEWS-16271	FEWS-FOEN: Undo knop in Data Editor werkt niet, crasht			
Plugin - Gui - Time Series		FEWS-16149	Shortcuts in grafieken display werken niet allemaal			

Component/s	Customer name	Key	Summary	Release Note Text	Release Note Text Description	Config Example
Database, Plugin - Gui - Time Series		FEWS-16144	FEWS-14821 FEWS-FOEN: ErrorDisplayer.lambda\$static\$5 - Null pointer program error at nl.wldelft.fews.system.data.config.region.Location.getRootParentLocation			
Plugin - Gui - Time Series		FEWS-16086	FEWS-15833 In 2016-01 sometimes different variables are shown in separate graphs, whereas in 2016-02 they are shown in the same graph			
Plugin - Gui - Time Series		FEWS-16045	FEWS-15833 TSD & Category plots - mark series invisible in the chart broken			
Plugin - Gui - Time Series		FEWS-15966	FEWS-15833 TSD - DropDownToggleButton's (table,chart,rc) does not update icon correctly when shortcut is used	shortcut toggle of buttons with menu drop down fixed	The shortcut toggle of buttons with menu drop down (F8 chart, F11 rating curve) has been fixed. The inverted action was triggered.	
Plugin - Gui - Time Series		FEWS-15877	FEWS-15833 Legend in TSD bar with quality flags does not contain description of the detection limit			
Plugin - Gui - Time Series		FEWS-15757	new TSD buttons do not have buttonsettings visibilty options in timeseriesdisplayconfig.xml			
Plugin - Gui - Time Series		FEWS-14427	Kleuren in time series display zijn niet correct meer			
Plugin - Gui - Time Series		FEWS-16667	FEWS-15833 NWS: blob errors; "Failed to load blob"; "Failed to unmarshall blob"; Blob handle for blob			
Plugin - Gui - Time Series		FEWS-16651	FEWS-10616 TVA: tooltip timestamp shows two 01:00 hours but no 00:00 hour			
Plugin - Gui - Time Series		FEWS-16158	FEWS-15833 GAM point is incorrectly shown			
Plugin - Gui - Time Series	fews vecht	FEWS-16375	TSD does not correctly show series with local z-level when used through related locations			
Plugin - Gui - Time Series	fews sava	FEWS-16435	Strange scaling to y-min = 0 for some series in TSD			
Plugin - Gui - Time Series	fews sava	FEWS-16391	Export to PDF from TSD creates rubbish			
Plugin - Gui - Time Series	all systems	FEWS-16378	TSD when toggle shortcuts, the table and other panels hide			
Plugin - Gui - Time Series	RWS	FEWS-16707	GAM werkt niet			
Plugin - Gui - Time Series	Hydrotec (D)	FEWS-15740	Upper and lower values of vertical line fill not visualized correctly			
Plugin - Gui - Time Series	HIC/WL	FEWS-16600	fill area profiles doesnot work any more			
Plugin - Gui - Time Series	HDSR	FEWS-16039	FEWS-15833 Refresh long term scroller problems			
Plugin - Gui - Time Series	HDSR	FEWS-16038	FEWS-15833 Id's visible in scatterplot and historical analysis			
Plugin - Gui - Time Series	HDSR	FEWS-16037	FEWS-15833 Disappearing part of historical analysis in combination with long term scroller			
Plugin - Gui - Time Series	HDSR	FEWS-15575	Problems with Longterm Scroller			
Plugin - Gui - Time Series	Goulburn Murray Water (Aus)	FEWS-15465	FEWS-14821 statistical function in TSD - cummulative timeseries disappears	TimeSeries were not selectable in plot	In case in the modifiersType.xml a timeSeriesModifier was defined with editInPlots=true configured, timeSeries can no longer be selected in the plot. This should only be the case if modifiers were found for the selected timeSeries and the user is in edit mode.	
Plugin - Gui - Time Series	Deltares-USA	FEWS-16016	FEWS-15833 Validation Rules panel (FEWS-15040) only shows criteria in metric units even if configured differently			
Plugin - Gui - Time Series	Deltares-USA	FEWS-15909	FEWS-15833 nullpointer TSD .CustomColumnModel.getLongestDescriptionValue			

Component/s	Customer name	Key	Summary	Release Note Text	Release Note Text Description	Config Example
Plugin - Gui - Time Series	Deltares-USA	FEWS-15903	FEWS-14821 validation colors in tables dependent on zoom level			
Plugin - Gui - Time Series	Deltares-USA	FEWS-15896	FEWS-15833 Forecast simulations no longer appear in predefined displays			
Plugin - Gui - Time Series	Deltares	FEWS-16219	Alignment of Enumerations in TSD should be left			
Plugin - Gui - Time Series	Deltares	FEWS-16098	FEWS-15833 LongTerm Scroller - does not show correct relative view period			
Plugin - Gui - Time Series	Deltares	FEWS-15982	FEWS-15833 TimeSeriesDisplay: history of a timestep shows value always in Display Units, does not change with Units setting in display	Display Units were not changed for history		
Plugin - Gui - Time Series	Deltares	FEWS-15968	FEWS-15833 Rating Curve: Some Rating Curves are not exported to PI-XML when using F12 - T export - rating curves			
Plugin - Gui - Time Series	Deltares	FEWS-15899	FEWS-15833 ERROR when showing chainage (profile) timeseries in displaygroups: locationIdSequence == null			
Plugin - Gui - Time Series	Deltares	FEWS-15592	Long term scroller split into multiple plots			
Plugin - Gui - Time Series	Deltares	FEWS-14549	FEWS-13857 Interaction between 'hide empty series' and 'Timeseries Visibility' settings seems broken			
Plugin - Gui - Time Series	BC Hydro	FEWS-15872	FEWS-11235 display can't show same series in multiple sub plots anymore			
Plugin - Gui - Time Series Graphical Adjustment Module		FEWS-16048	FEWS-15833 GAM - when using the options drag - editor - drag in that order some unexpected adjustments occur			
Plugin - Gui - Time Series Graphical Adjustment Module		FEWS-16047	FEWS-15833 When changing series to adjust with the GAM the previous series remains selected			
Plugin - Gui - Time Series Graphical Adjustment Module		FEWS-16049	FEWS-15833 GAM - Text containing values and times are located outside plotarea			
Plugin - Gui - Time Series Modifier		FEWS-16632	FEWS-15833 NWS: mods not applying with first re-run			
Plugin - Gui - Time Series Modifier		FEWS-16572	FEWS-15833 NWS: IGNORETS mod error: ErrorDisplayer.lambda\$static\$1 - Illegal argument			
Plugin - Gui - Time Series Modifier		FEWS-16568	FEWS-15833 NWS: mod creation time not updating when editing existing mods			
Plugin - Gui - Time Series Modifier		FEWS-16530	FEWS-15833 NWS: TSCHNG mod selects wrong time series			
Plugin - GUI - IFD - Forecasts, Plugin - Gui - Time Series Modifier		FEWS-16473	FEWS-15833 NWS: status icon stays blue when mod is deleted			
Plugin - Gui - Time Series Modifier		FEWS-16437	FEWS-15833 NWS: modifying TSCHNG mods creates duplicates if time series not deselected			
Plugin - Gui - Time Series Modifier		FEWS-13261	FEWS-15833 ERROR - Illegal argument array.getHeader() should be an instance of class nl.wdelft.fews.gui.plugin.modifiersdisplay.utils.ModifierTimeSeriesHeader and not class nl.wdelft.fews.util.FewsStatisticHeader			
Plugin - Gui - Time Series Modifier		FEWS-16607	FEWS-15833 NWS/TVA: modifier issues in DDA			
Plugin - Gui - Time Series Modifier		FEWS-16564	Modifier issue: ErrorDisplayer.lambda\$static\$1 - Illegal argument endTime == Long.MIN_VALUE, startTime == MIN_VALUE passed at nl.wdelft.util.Period.create:378			
Plugin - Gui - Time Series Modifier		FEWS-16290	FEWS-15833 Error when I removed modifiers and changed to forecasts tab			

Component/s	Customer name	Key	Summary	Release Note Text	Release Note Text Description	Config Example
Plugin - Gui - Time Series Modifier, Plugin - Module - Data Import		FEWS-16648	FEWS-15833 HERMES: Live System Java Error forces FEWS to crash when importing modifiers			
Plugin - Gui - Time Series Modifier	Deltares-USA	FEWS-16178	FEWS-15833 HERMES: Incorrect Modifier Import for HERMES with 2016.02 build			
Plugin - Gui - Time Series Modifier	Deltares-USA	FEWS-15911	FEWS-15833 ERROR writing modifier descriptor			
Plugin - Gui - Time Series Modifier	Deltares-USA	FEWS-15579	FEWS-14821 'save and rerun' button in TSD toolbar does not save mod when editing in plots			
Plugin - Gui - Time Series Modifier	Deltares-USA	FEWS-15342	FEWS-14997 CLONE - NWS: FB1561. add filtering option in ModifierTypes to specify mods for <u>deterministic or ensemble runs</u>			
Plugin - Gui - Time Series Modifier	Deltares-USA	FEWS-14842	FEWS-13857 NWS: frozen Modifiers Display using calendar icon to change existing mod to next month			
Plugin - Gui - Time Series Modifier	Deltares-USA	FEWS-15771	FEWS-9861 NWS: #22205 MAP time series change modifier applies mod to wrong catchments in a <u>basin model simulation</u>			
Plugin - Gui - Time Series Modifier	Deltares-USA	FEWS-15750	FEWS-9861 NWS: FB1988 template looping error for unithg modifier with updated OHD adapter			
Plugin - Gui - Time Series Modifier	Deltares-USA	FEWS-15724	FEWS-9861 NWS: #21960. configured expiry time for imported tss mod not respected			
Plugin - Gui - Time Series Modifier	Deltares	FEWS-16070	FEWS-15833 Stacktrace: ModifiersPanel			
Plugin - Gui - Time Series Modifier	BPA Hermes	FEWS-15441	BPA-HERMES: request to automatically restore all modifiers associated with re-approved forecasts (<u>live system</u>)			
Plugin - Gui - Web Browser Display		FEWS-16023	Web browser display should not load webpage when invisible	Web pages will only be loaded if the Web Browser Display component is visible	Web pages will only be loaded if the Web Browser Display component is visible. Unreachable URLs are logged as a config warning.	
Plugin - Gui - Web Browser Display	Deltares	FEWS-16168	Web Browser Display has context menu that <u>doesn't always work</u>	Context menu was disabled in favor of a custom F5 key to reload a webpage.	Context menu was disabled in favor of a custom F5 key to reload a webpage.	
Plugin - Gui - What-if Scenario		FEWS-16312	Comma as dec seperator in value edit field of <u>What-if does not work</u>			
Plugin - Module - (Primary) Validation		FEWS-16660	Validation rules based on parameter attributes no longer works			
Plugin - Module - (Primary) Validation		FEWS-16266	SameReading Violation wanneer er geen deviation en period zijn opgegeven			
Plugin - Module - Amalgamate		FEWS-16646	FEWS-15833 BPA: ERROR - MemoryResultSet.error - Orphan blob for <u>simulated time series detected</u>			
Plugin - Module - Amalgamate		FEWS-16522	FEWS-15833 NWS: Database_Maintenance (Amalgamate) Error			
Plugin - Module - Amalgamate		FEWS-16668	FEWS-15833 BPA: ERROR - MemoryResultSet.error - <u>UnsupportedOperationException</u>			
Plugin - Module - Amalgamate	fews sava	FEWS-16421	Amalgamate gives error on invalid cache files			
Plugin - Module - Amalgamate	Deltares	FEWS-15497	FEWS-10616 add possibility to amalgamate <u>observed datasets with scalar and grid data</u>			
Plugin - Module - Archive		FEWS-16308	Import van gridded GFS data from Archive stores <u>grid upside down in database</u>			
Plugin - Module - Archive		FEWS-15908	FEWS-15833 error when archiving mods		probably fixed another fix...	
Plugin - Module - Archive	TVA	FEWS-16227	FEWS-10616 AmalgamateObservedActivity.exportArchive due to <u>incomplete dirs in path name</u>			

Component/s	Customer name	Key	Summary	Release Note Text	Release Note Text Description	Config Example
Plugin - Module - Archive	Deltares	FEWS-15681	FFC: ExportTimeSeriesArchive.write - Archived rows rolling barreled while creating archive			<pre>(code:xml) <?xml version="1.0" encoding="UTF-8"?> <archiveRun 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/archiveRun.xsd"> <importDirectory>\$ARCHIVE_IMPORT_PATH\$</i mportDirectory> <exportDirectory>\$ARCHIVE_EXPORT_PATH\$</ex portDirectory> <exportArchiveRun> <archivePeriod start="-24" end="0" unit="hour"/> <excludeTimeSeriesExpiringWithin unit="hour" multiplier="1"/> <archiveType>TimeSeriesArchive</archiveType> <includeModuleInstanceld>Performance_ISIS_For ecasts</includeModuleInstanceld> <includeModuleInstanceld>Performance_NWPFFor ecasts</includeModuleInstanceld> <includeModuleInstanceld>Performance_PRTF_F orecasts</includeModuleInstanceld> <includeModuleInstanceld>Performance_RadarAc tuals</includeModuleInstanceld> <includeModuleInstanceld>Performance_RadarFo recasts</includeModuleInstanceld> <includeModuleInstanceld>Performance_SurgeFo recasts</includeModuleInstanceld> <includeModuleInstanceld>ImportTelemetry</inc</pre>
Plugin - Module - Archive	Bureau of Meteorology	FEWS-16162	FEWS-13318 HYFS-3028: Archive Export NetcdfWriter.Error Error when verifying merge			
Plugin - Module - Data Export	Deltares-USA	FEWS-15615	FEWS-14821 export GeneralCSV exports .0 decimal even when valueResolution in FEWS is 1			
Plugin - Module - Data Export	Deltares-USA	FEWS-15551	FEWS-10616 exportGeneralCSV does not respect exportMissingValue			
Plugin - Module - Data Export	Deltares	FEWS-15834	Unit tests that export compressed netcdf-4 files do not work on TeamCity on Linux			
Plugin - Module - Data Import		FEWS-16487	FEWS-15833 BPA: Data ingest error using locationSet built from attributes			
Plugin - Module - Data Import		FEWS-16450	General csv should skip row and log a warning when configured parameter/location column is empty			
Plugin - Module - Data Import		FEWS-16363	FEWS-15833 Import: noos_1dmapseries stopt bij eerste missing value			
Plugin - Module - Data Import		FEWS-16288	Various INFO log messages in BUFR import should be DEBUG			
Plugin - Module - Data Import	RWSOS	FEWS-16364	FEWS-15833 TSImport: Aqualarm import werkt niet meer	aqualarm https service needs client.truststore for pki overheid certificate	aqualarm https service needs client.truststore for pki overheid certificate.	<pre>https://publicwiki.deltares.nl/display/FEWSDOC/ Aqualarm</pre>
Plugin - Module - Data Import	PORTAL	FEWS-15828	SWE-SOS data import not correct			
Plugin - Module - Data Import	Deltares	FEWS-15948	Issue with re-importing external historical data when time and value of original have been modified			
Plugin - Module - Data Import	Deltares	FEWS-15885	Cleanup script deletes some 64 bit libraries			
Plugin - Module - Data Import	Deltares	FEWS-15517	Nullpointer when not specifying all column names for GeneralCsv import			
Plugin - Module - Data Import	Deltares	FEWS-15832	Matroos-import: geen DEBUG info			

Component/s	Customer name	Key	Summary	Release Note Text	Release Note Text Description	Config Example
Plugin - Module - Data Import	Deltares	FEWS-15734	Importing MRMS grib2 files - GridDisplay shows weird grid			
Plugin - Module - Data Import	Deltares	FEWS-15843	NoosTimeSeries1dMapSeriesParser throws ArrayIndexOutOfBoundsException			
Plugin - Module - Data Import	Deltares	FEWS-15637	New NetCDF Java library creates temporary files when importing GRIB files.			
Plugin - Module - Data Import	BoM (Aus)	FEWS-15972	FEWS-14821 HyFS-2978: Incorrect Warning Heading Comment when multiple AIFS .xmls are imported			
Plugin - Module - General Adapter		FEWS-16331	General Adapter customJre fails if no binDir was configured	General Adapter customJre binDir defaults to FEWS bin dir	General Adapter customJre failed if no binDir was configured. The binDir is set to the FEWS bin dir if no binDir was configured.	
Plugin - Module - General Adapter	HAIL, Thailand	FEWS-15552	SWAN error with Debug on	Fixed IndexOutOfBoundsException in GeneralAdapter execute executable activity	Fixed IndexOutOfBoundsException in GeneralAdapter execute executable activity.	
Plugin - Module - Modifiers (ModuleParameters)		FEWS-16531	FEWS-15833 NWS: unable to make second mod of the same modifier, e.g. SWITCHTS, UNITHG			
Plugin - Module - Modifiers (ModuleParameters)		FEWS-15098	FEWS-13524 ADASA: Error on Parameter Modifier workflow execution, exception when drawing a map on the Spatial display			
Plugin - Module - Modifiers (TimeSeries)		FEWS-16423	Displaying Time Series of Quarterly Averages			https://repos.deltares.nl/repos/FEWS-Bangladesh/
Plugin - Module - Modifiers (TimeSeries)		FEWS-13917	FEWS-9861 NWS: FB1834 Modifiers in OC Not In-Sync After Initial Synchronization and RollingBarrel			
Plugin - Module - Modifiers (TimeSeries), System	TVA	FEWS-15869	FEWS-10616 Illegal argument MIN_VALUE not allowed for 7th check			
Plugin - Module - Modifiers (TimeSeries)	Deltares-USA	FEWS-13260	FEWS-9861 NWS: fb1818. Mod 'active' button selection causes Creation time and User to update			
Plugin - Module - Reports		FEWS-16582	FEWS-10616 TVA: Report chart x-axis labels different in SA versus live system			
Plugin - Module - Reports		FEWS-16406	FEWS-15833 report: exception			
Plugin - Module - Reports	TVA	FEWS-16373	FEWS-10616 TVA: minorTickUnit in report module			
Plugin - Module - Reports	Deltares-USA	FEWS-15508	FEWS-9861 NWS: FB1954 Adding Title to Chart for Report does not consistently work	Chart report: usage of location attributes and the key %LOCATIONID% in the chart title	Any location attribute and the key %LOCATIONID% can be used in the <title> of the <chart> section. Some examples: {code:xml} <title>Area @AREA@</title> <title>Area @AREA@ , @DESCRIPTION@</title> <title>Location %LOCATIONID%</title> <title>Area @AREA@ , location %LOCATIONID%</title> {code} The usage of location attributes and %LOCATIONID% in the chart title make sense only if we use <report singleLocation="true">, or if all series in the chart applies to the same location.	

Component/s	Customer name	Key	Summary	Release Note Text	Release Note Text Description	Config Example
Plugin - Module - Reports	Deltares	FEWS-15583	Chart Reports: fill area between two series with vertical lines (improvement)	Chart Reports: filling area between two series with vertical lines	The area between two series can be filled with vertical lines instead of filling with color only. To show the vertical lines, configure lineStyle in the <area> element. Also the line width, color and color opaqueness can be customized	Example from Reports.xml: {code:xml} <report> <chart id="chart" formatId="ChartFormat" width="800" height="490"> <area> <lineStyle>solid</lineStyle> <lineWidth>5</lineWidth> <color>green</color> <opaquenessPercentage>40</opaquenessPercentage> <timeSeries>Hm</timeSeries> </area> </chart> <template>reportTemplate.html</template> <outputFileName>table.html</outputFileName> </report> {code}
Plugin - Module - Reports	Bureau of Meteorology	FEWS-16163	FEWS-13318 HYFS-3045 Performance report doesn't show issued/provisional forecasts			
Plugin - Module - Statistics		FEWS-16432	FEWS-15833 HERMES: Incorrect Daily aggregation button			
Plugin - Module - Statistics	HDSR	FEWS-16156	Historical Analysis function unworkably slow in combination with long term scroller			
Plugin - Module - Statistics	Deltares-USA	FEWS-15870	FEWS-10616 nullpointer in HistoricalAnalysisFunction			
Plugin - Module - Statistics	Deltares	FEWS-16010	FEWS-15833 Statistics: Cumulative line gone after zooming out			
Plugin - Module - Thresholds		FEWS-16311	FEWS-13888 HyFS: Threshold Module does not check all threshold functions in the ThresholdValueSets.xml			
Plugin - Module - Transformation		FEWS-16461	FEWS-15833 Transformation: Overflow			
Plugin - Module - Transformation		FEWS-16357	FEWS-15833 transformatie: simple merge gedrag niet verklaarbaar			
Plugin - Module - Transformation		FEWS-16350	FEWS-15833 transformation: warning+skip ipv error by read complete forecast zonder input data			
Plugin - Module - Transformation		FEWS-16275	FEWS-15833 NWS: IllegalArgumentException: Null not allowed for 11th check			
Plugin - Module - Transformation		FEWS-16255	FEWS-15833 NWS: transformation NullPointerException			
Plugin - Module - Transformation		FEWS-16159	NullPointerException User Simple in 2016.01			
Plugin - Module - Transformation		FEWS-16130	FEWS-12245 BPA streamflow: PCA does sometimes not generate a value			
Plugin - Module - Transformation		FEWS-16025	FEWS-15833 NullPointer: ...VariableStorage.alwaysMatchSingleLocation...			
Plugin - Module - Transformation		FEWS-14401	FEWS-13857 Results of one location in a timeSeriesSet are merged to all other locations of the other timeSeriesSets			Example: n:\Deltabox\Postbox\Grijze, Andre\vanOlav\ Workflow Prepare_Thresholds, module AssessThresholdsMDBC_OPS, transformation ALL_thresh_max.
Plugin - Module - Transformation		FEWS-15798	FEWS-19536 Waternet: fout in cumulatief transformation			
Plugin - Module - Transformation	waternet	FEWS-16638	Error bij berekening trasformatie voor langer periodes: java.lang.NullPointerException			
Plugin - Module - Transformation	Waternet	FEWS-16643	Non-eq transformatie maakt gaten in start tijdreeks, moet zoekperiode goed zetten			

Component/s	Customer name	Key	Summary	Release Note Text	Release Note Text Description	Config Example
Plugin - Module - Transformation	Rijkswaterstaat	FEWS-14839	dischargeStage creates nonsense Stage from missing discharge	Fixed bug in DischargeStageTable transformation with missing values	Fixed bug in DischargeStageTable transformation where missing input values did not result in missing output values. Now output becomes missing when input is missing.	
Plugin - Module - Transformation	Rijkswaterstaat	FEWS-14828	typicalprofielotimeseries does not handle Feb 29 correctly	Typical profile transformation didn't take dayofWeek into account if a time attribute was specified.	Typical profile transformation didn't take dayofWeek into account if a time attribute was specified.	(code) <pre> <transformation id="Profile"> <profile> <timeSeries> <inputProfile> <timeStep unit="hour"/> <data dayofWeek="Sunday" time="00:00:00" value="17.25"/> <data dayofWeek="Sunday" time="01:00:00" value="15.88"/> <data dayofWeek="Sunday" time="02:00:00" value="15.51"/> <data dayofWeek="Sunday" time="03:00:00" value="14.63"/> <data dayofWeek="Sunday" time="04:00:00" value="13.66"/> <data dayofWeek="Sunday" time="05:00:00" value="13.95"/> <data dayofWeek="Sunday" time="06:00:00" value="14.89"/> </pre>
Plugin - Module - Transformation	Deltares-USA	FEWS-16080	FEWS-15833 Ensemble error exceptions: Illegal argument false != true for 4th check passed			
Plugin - Module - Transformation	Deltares-USA	FEWS-15894	FEWS-15833 merge simple transformation yielding missing output			
Plugin - Module - Transformation	Deltares	FEWS-16015	checkReadTransformationIsWritable incompatible with 2015.02			
Plugin - Module - Transformation	Deltares	FEWS-15984	FEWS-15833 UserSimple transformation met grids werkt niet meer			
Plugin - Module - Transformation	Deltares	FEWS-15893	Use AggregationPeriod from output time series of statisticPeriodic		Statistics periodic function now listens to aggregationPeriod of the output time series. When not present the time step of the output time series is used (old behaviour remains).	
Plugin - Module - Transformation	Deltares	FEWS-15846	FEWS-15833 development FEWS-13025 "wildcard qualifiers in transformations" works under 2016.01, but not under 2016.02			
Plugin - Module - Transformation	BoM (Aus)	FEWS-15990	FEWS-14821 HyFS-3003: PATCH 64038 causes an error on Process Rainfall.			
Plugin - Module - Transformation	BoM (Aus)	FEWS-15494	FEWS-14821 HyFS: Error in disaggregation function, IllegalArgumentException: time == Long.MIN_VALUE			
Plugin - Module - Transformation	BPA Streamflow	FEWS-15428	FEWS-12430 BPA: Disaggregation - meanToInstantaneous transformation glitch if input timeseries for first member of input location set is missing			
Plugin - Module - Transformation	BMT-WBM	FEWS-15529	FEWS-14337 BMT-WBM: IllegalArgumentException with disaggregation accumulativeReferencePattern transformation			
System	Deltares-USA	FEWS-15871	FEWS-10616 Long.MIN_VALUE error SimpleEquidistantTimeStep			
System	Deltares	FEWS-15884	FEWS-15833 cleanup.bat still mentions 64 bit beta functionality of 2016.01			

Component/s	Customer name	Key	Summary	Release Note Text	Release Note Text Description	Config Example
System	Deltares	FEWS-14942	FEWS-14498 JavaService.exe 64 bit version	JavaService_x64.exe for 64 bit	Recompiled JavaService.exe to 64 bit as JavaService_x64.exe	
System	Deltares	FEWS-14905	FEWS-14498 Launcher on 64 bit	Launcher for 64 bit	Launcher for 64 bit has been added to bin directory.	
System	Deltares	FEWS-6901	Huge memory usage NWRFC			
System	BPA HERMES support	FEWS-16208	FEWS-16132 Error when running at 0100, but not at other times			
System	BOS Regge	FEWS-15977	FEWS-15833 java.lang.UnsatisfiedLinkError: Can not find library gdal19.dll in D:\fews\fs\rdremc00\FSS00\FewsShell\bin	For 64 bit support the PCRaster 4.1 binaries should be installed in the Modules\pc_raster_bin\ directory		For 64 bit support the PCRaster 4.1 binaries should no longer be installed in the FEWS bin directory but in the Modules\pc_raster_bin\ directory. See: https://publicwiki.deltares.nl/display/FEWSDOC/PCRaster
System - Logging		FEWS-16690	FEWS-15833 TVA: WARN should not expire later than related task			
System - Logging	Deltares	FEWS-15952	FEWS-15833 Info message that no patch was available, while there is a patch and it is being used.			
System - PI Service		FEWS-16594	WaterMLServerParser: request not url encoded			
System - PI Service	BOM	FEWS-16662	BOM: FEWS PI Service crash when a request is submitted			
System - Synchronisation		FEWS-15897	FEWS-15833 ERROR- Can not find ModifierDescriptor for taskRunId			
System - Synchronisation		FEWS-10863	FEWS-9861 NWS : FB 1398: Mc_Synchronisation Causing Missing Obs Data on MC00, MC01			
System - Synchronisation	Deltares	FEWS-15642	OC reconnect issue	ConfigError when synchConfig has the wrong mcid		
Water Coach		FEWS-16602	WaterCoach: ERROR - ErrorDisplayer.lambda\$static\$1 - Illegal argument setSelectedIndex: 0 out of bounds passed at nl.wldelft.fews.gui.plugin.watercoach.WaterCoachDisplay.performAction:410			
Water Coach		FEWS-16593	WaterCoach: only 2 out of 3 scenario's are displayed on the drop-down menu "Scenario"			
Water Coach		FEWS-16106	FEWS-15833 WaterCoach: "Can not write time series to expired task run 32_0"			
Water Coach		FEWS-16105	FEWS-15833 WaterCoach: participant can only select defaultScenario			
Water Coach		FEWS-16612	WaterCoach: vreemd gedraag bij kopiëren van LDS			
Water Coach		FEWS-16389	Water coach exception after loading scenario			
Water Coach	RWS	FEWS-16592	WaterCoach: timeseries are missing in WaterCoach mode			
Plugin - GUI - IFD - Forecasts, Water Coach	NWS	FEWS-16240	FEWS-9861 NWS #23206: IFD icons do not update correctly in WaterCoach			
Water Coach	Deltares-USA	FEWS-15918	FEWS-15833 watercoach display starts up in taiwanese/korean/japanese/whatever			
		FEWS-16180	Review FEWS-16025			
		FEWS-16639	Dead lock. AsynchronousOutputStream and AsynchronousInputStream			