



Component/s	Key	Customer name	Summary	Release Note Text	Release Note Text Description	Link to Documentation
App - Admin Web User Interface	FEWS-23210	Deltares	database trend page gives out of memory exception for large module data sets	Fixed OutOfMemoryError in DatabaseTableSpaceTrendAnalyser		
App - Admin Web User Interface	FEWS-20802	Deltares	Error message when starting CM (base-build missing)			
App - Admin Web User Interface	FEWS-22219		copy to clipboard functionality in admin interface for initial access key	copy to clipboard supported in admin interface for initial access key	copy to clipboard supported in admin interface for initial access key	https://publicwiki.deltares.nl/display/FEWSDOC/Delft-FEWS+Admin+interface+-+Introduction#Delft-FEWSAdminInterface-Introduction-Introduction-Logonscreen
App - Admin Web User Interface	FEWS-22871		AI reports wrong user deleted	user name was not displayed when deleting a user	user name was not displayed when deleting a user.	https://publicwiki.deltares.nl/display/FEWSDOC/Users#Users-EditUser
App - Admin Web User Interface	FEWS-22824		FEWS-22675 AI: Collected System Log Files contains empty ScheduledTasks.xml	Download scheduled tasks failed if whatif scenarios are available in database	Download scheduled tasks failed if whatif scenarios are available in database. This was caused by querying an invalid column name.	https://publicwiki.deltares.nl/display/FEWSDOC/Collect+System+Log+Files
App - Admin Web User Interface	FEWS-22579	D-USA	FEWS-19650 Creation Time shows actual time in Workflows Page (AI)	creation time column has been removed from workflow page	creation time column has been removed from workflow page	https://publicwiki.deltares.nl/display/FEWSDOC/Workflows
App - Admin Web User Interface	FEWS-22216		FEWS-21449 number of cpu's and memory is not reported correctly	display cpu's and available ram memory for FSS	display cpu's and available ram memory for FSS	https://publicwiki.deltares.nl/display/FEWSDOC/Forecasting+Shell+Servers
App - Archive	FEWS-22380	WIK Aa en Maas	Slow seamless archive data in TSD			
App - Archive	FEWS-23056		FEWS-22675 archive: remove-data-from-archive cannot cope with SOURCE field in report.csv			
App - Archive	FEWS-23052		FEWS-22675 archive: document DataManagementTool			
App - Archive	FEWS-23002	Deltares	FEWS-22675 Archive: remove tasks from xsd			
App - Archive	FEWS-22982		FEWS-22675 archive: remove data from archive task missing managementreport.csv remains hidden			
App - Archive	FEWS-22979		FEWS-22675 Archive: datamanagent tool doesn't provide an IO for writing the report			
App - Archive	FEWS-22939		FEWS-22675 Archive: EventTypes misses dataType snapshot			
App - Archive	FEWS-22938		FEWS-22675 ArchiveConsole: back to manage config page link doesn't work			
App - Archive	FEWS-22858		FEWS-22675 Incorrect error message when deleting of records fails			
App - Archive	FEWS-21799		Do not query the archive if the data period is smaller than a day			
App - Archive	FEWS-22983		FEWS-22675 archive: remove data from archive also removes data when action is different			
App - Archive	FEWS-22911	Deltares	FEWS-21449 IMFS-SA: Archive Error when exporting non-eq data without data in selected period			
App - Archive	FEWS-23014		FEWS-22675 archiveseamless: exception when locationset asked larger than available in cataloguewith seamless integration obs in spatial display			
App - Archive	FEWS-23204		FEWS-23164 UY: Archive, event is uploaded but can not be retrived			
App - Archive	FEWS-22957		FEWS-22675 FcMan: Archived Forecast tab doesn't update based on catalogue status			
App - Archive	FEWS-22747	Deltares	FEWS-22675 FOEN-SA: ERROR logging when archive is not available			
App - Archive	FEWS-22985		FEWS-22675 archive: empty folders remain on file system after remove-data-from-archive process			
App - Configuration Manager Gui	FEWS-22339		FEWS-9861 NWS: #74094 Config Manager should set synch level to 11 instead of 0 for config file			
App - Configuration Manager Gui	FEWS-22881		FEWS-22675 CM: Delete Inactive does not work as expected			
App - Configuration Manager Gui	FEWS-21878		FEWS-21449 IMFS-CM: Deletion of inactive config is not very clear			
App - Configuration Manager Gui	FEWS-21816	Deltares	FEWS-21449 IMFS-CM: Many errors when opening System Monitor in Config Manager			
App - Configuration Manager Gui	FEWS-21738		FEWS-21449 Configuration manager Import window does not adjust to screen size			
App - Configuration Manager Gui	FEWS-22473		CM should allow uploading of clientConfiguration files			
App - Configuration Manager Gui	FEWS-22913	Deltares	FEWS-22675 CM: GUI settings should be improved based on permissions			
App - Configuration Manager Gui	FEWS-22877	Deltares	FEWS-22675 CM: deleting of files does not work correctly			
App - Configuration Manager Gui	FEWS-22876	Deltares	FEWS-22675 CM: Improve ERROR logmessage about obsolete configuration files			
App - Configuration Manager Gui	FEWS-22897		text in progress bar is not in language file			



Component/s	Key	Customer name	Summary	Release Note Text	Release Note Text Description	Link to Documentation
App - Configuration Manager Gui	FEWS-22814		FEWS-22675 error pop up in config manager not clear			
App - Data Conversion Module	FEWS-22661		DCM - timestamps outputs from the dataconversion module are wrong			
App - Data Conversion Module	FEWS-23043		FEWS-22675 DCM Illegal argument Error parsing systemTime argument			
App - Data Import Module (DIM)	FEWS-22586		NETCDF-CF_SPECTRUM – does not import 2D spectra			
App - Delft-FEWS	FEWS-22599		FEWS-19536 Waternet: data in spatial display wordt niet getoond (enkel bij aan- en uitvinken)			
App - Forecasting Shell Server	FEWS-22698		FEWS-22675 Upgrade 2020.01 FSS			
App - Master Controller Server	FEWS-22889		Database Initialization Tool: Error FBMaintenanceManager Class not found			
App - Operator Client Gui (Explorer)	FEWS-21880		Illegal argument End time Sat Jul 25 09:00:01 GMT-3 2020 not valid according to hora			
App - Operator Client Gui (Explorer), Plugin - Gui - Grid Display	FEWS-21936		FEWS-21449 Not possible to loop through the thumbnail plots. When you press the down/up button, the focus moves to the IFD			
App - Operator Client Gui (Explorer)	FEWS-21977		FEWS-21449 FEWS demands 'focus' at exactly :00, :15, :30, :45 minutes past the hour			
App - Operator Client Gui (Explorer)	FEWS-20253	N&S	FEWS-9766 NS: Fews 2017.02; bug? - sortByname=false			
App - Operator Client Gui (Explorer)	FEWS-23058		FEWS-21449 NA Alpha - Hermes - Default for toolbarTask has changed			
App - Operator Client Gui (Explorer)	FEWS-23102	RWS	Illegal argument not for 4th check			
App - Operator Client Gui (Explorer)	FEWS-22856		FEWS-22675 Refreshing icons stops when having historical events and constraint based filters			
App - Operator Client Gui (Explorer)	FEWS-22756		FEWS-22675 ERROR - killShutdown.Thread.run - Runtime Shutdown timed-out after 30 seconds at java.lang.Object.wait			
App - Operator Client Gui (Explorer)	FEWS-22748		FEWS-22675 FOEN-SA: Error when closing Stand Alone: ERROR - killShutdown.Thread.run (Shutdown timed-out after 30 seconds)			
App - Operator Client Gui (Explorer), Plugin - Gui - Map	FEWS-22740		FEWS-22675 Drawing tag in lower right map corner stays visible after drawing			
App - Operator Client Gui (Explorer), Database	FEWS-22739		FEWS-22675 On closing fews, you get an error on unreleased blobs			
App - Operator Client Gui (Explorer)	FEWS-22732		exit exception			
App - Operator Client Gui (Explorer)	FEWS-23069	Deltares	FEWS-22675 Error when connecting over database HTTPS proxy	database proxy was missing runtime dependencies	database proxy was missing runtime dependencies. They have been added to the lib folder.	
App - Operator Client Gui (Explorer)	FEWS-22771	Deltares	FEWS-22675 HyFS-SA: Stand Alone takes a lot of CPU, even if the database is empty and you do nothing (IFD icon loader)			
App - Operator Client Gui (Explorer)	FEWS-22048		FEWS-21449 Waternet: No parameters visible after temporary import and having parameter nodes			
App - Operator Client Gui (Explorer)	FEWS-22813		FEWS-21449 IMFS-OC: Index Index 0 out of bounds for length 0			
App - Operator Client Gui (Explorer)	FEWS-22745		FEWS-22675 ERROR - shutdown; when opening/closing About menu twice			
App - Operator Client Gui (Explorer)	FEWS-22703		FEWS-22675 HyFS-SA: ERROR - main.IconUtils.loadIcon			
App - Operator Client Gui (Explorer)	FEWS-22669	Deltares	FEWS-21449 Message box (Login warning) too wide			
App - Operator Client Gui (Explorer)	FEWS-23107	Deltares	FEWS-22675 FOEN-OC: OC opstarten via Proxy geeft veel Archive Error logs	all archive retry connection errors were logged	all archive retry connection errors were logged. It should only log one error every 15 minutes and only if the error message differs from the previous one.	https://publicwiki.deltares.nl/display/FEWSDOC/The+Deltares+OpenArchive+%282017.01+and+newer%29+-+Installation
Configuration	FEWS-21806		Stacktrace retain all not supported		Reproducible with HDSR_ErrorsJob30102019	
Configuration	FEWS-22676		Out of memory about box on time dependent locations (infinite loop?)			
Configuration	FEWS-23232		FEWS-22675 sublocationsets can be exported but not added to another locationset.			
Database	FEWS-22987	Deltares	FEWS-21449 IMFS-FSS: Null pointer program error at nl.wdelft.fews.system.data.timeseries.TimeSeriesView.doWnloadDataFromArchive			
Database	FEWS-22696	Deltares	FEWS-22675 Database erros upgrade to 2020.01 development			
Database	FEWS-22693		Add ImportState Clob column to ImportStatus table			

 Delft-FEWS 2020.01 Solved Bugs

Component/s	Key	Customer name	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Database	FEWS-22792		Oracle database ORA-12899: value too large for column ...			
Database	FEWS-21996		Unblob to derby			
Database	FEWS-22629		Firebird. Ask the user to run "compact and repair" in an attempt to repair a corrupt firebird database			
Database	FEWS-23024	Deltares	FEWS-21449 IMFS-OC: Corrupted blob -21940553 < 0 for 25th check Illegal argument -21940553			
Database	FEWS-23108	Deltares	FEWS-22675 FOEN-OC: Inloggen met proxy geeft na enkele minuten foutmelding data database tijden verschillende zijn, (Can't reproduce)			
Database	FEWS-23173	Deltares	FEWS-22675 HyFS-SA: Inefficient sql. Remove not used GLOBALROWID from SELECT			
Debug Tool - Workflow Navigator	FEWS-22842	Deltares	FEWS-22675 WFN: when starting via <F12> + K the 'old' icon still appears			
Debug Tool - Workflow Navigator	FEWS-20932		FEWS-19650 NA Alpha NWS: F12-K opens Workflow Navigator, but nullPointer after closing and selecting WFN from Topology node			
Debug Tool - Workflow Navigator	FEWS-22602		FEWS-21449 WFN: Workflowdescriptors template function issue			
Debug Tool - Workflow Navigator	FEWS-22738		FEWS-22675 LoadingWorkflowTree.WorkflowNavigator.createWorkflowFromDescriptor - Illegal argument Null not allowed for 1st check passed			
MCRRecoveryTool	FEWS-22883		MCRRecovery Tool throws exception			
MCRRecoveryTool	FEWS-22199	Deltares	Error when running MCRRecoveryTool: can't infer the SQL type to use			
Module Adapter – DIMR	FEWS-22880		dimr does not give any warning on completely empty series, while the model will crash			
Module Adapter – DIMR	FEWS-22682		DIMR adapter cannot handle comments in .ext file			
Plugin - Gui - Archive Display	FEWS-23051		FEWS-22675 Archive dialog does not apply context sensitive help			
Plugin - Gui - Dashboard	FEWS-22906	EA	FEWS-21449 IMFS-OC: Dashboard refresh when new data is imported			
Plugin - Gui - Dashboard	FEWS-23074		FEWS-22675 Dashboard: the spatial displays don't start/stop when they should when clicking "synchronize times across frames", moving displays, start or stop			
Plugin - Gui - Forecast Manager	FEWS-22976		FEWS-22675 Modifiers do not show in Forecast management display			
Plugin - Gui - Forecast Manager, Plugin - Module - Archive	FEWS-22958		FEWS-22675 FcMan: archived forecast download: timeseries imported, states not			
Plugin - Gui - Forecast Manager	FEWS-22848		FEWS-22675 Forecast manager logs an error when archive is not available			
Plugin - Gui - Forecast Manager	FEWS-22952		FEWS-22675 FCMan: filter by selection fails for Archived Forecasts			
Plugin - Gui - Forecast Manager	FEWS-22853	Deltares	FEWS-22675 Forecast Management: no context menu appears in white part of selection			https://publicwiki.deltares.nl/display/FEWSDOC/07+Forecast+Manager#id-07ForecastManager-Filtervisibleforecasts(availablesincebuild18784)
Plugin - Gui - Grid Display	FEWS-23096		FEWS-22675 read from external source button should not be visible when no archive is available			
Plugin - Gui - Grid Display	FEWS-22056	Deltares	Null pointer at startup when tracklayer and datalayer configured	A problem with the display of track layer over other spatial display data layers has been fixed		
Plugin - Gui - Grid Display	FEWS-22051	Deltares	FEWS-21449 FFFS-SA: Spatial Thumbnail must select first ensemble member by default		When an ensemble is selected in the spatial display, the Thumbnails display can be used to select the ensemble member. By default ensemble number 24 (last member) is selected. Please select first ensemble member by default. This has already been fixed once in 2018.02 EA.	
Plugin - Gui - Grid Display	FEWS-23084		FEWS-22675 Rescaling of Thumbnails in SpatialDisplay			
Plugin - Gui - Grid Display	FEWS-22241		getting timeseries for curve linear grid in grid display and WMS service fail when double clicking			
Plugin - Gui - Grid Display	FEWS-22521		Arrow classbreaks not working in grid display			
Plugin - Gui - Grid Display	FEWS-22956	Deltares	FEWS-21449 IMFS-OC: Units are not shown properly in Spatial Display when switching from m3/s to ML/d			
Plugin - Gui - Grid Display	FEWS-22347		Conversion to Coverage Tile Archive (CTA) can only handle square grids, not rectangular			
Plugin - Gui - Grid Display	FEWS-22831		FEWS-22675 FEWS-ECO: value points not visible in Spatial Display			



Component/s	Key	Customer name	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Plugin - Gui - Grid Display	FEWS-23010		FEWS-22675 Bij het openen van de grid display vanuit WFN: ...			
Plugin - Gui - Grid Display	FEWS-22989	Deltares	FEWS-21449 IMFS-OC: Ensemble member selection from postage stamps display crashes with a Null pointer program error.			
Plugin - Gui - Grid Display	FEWS-22046		FEWS-21449 Waternet IndexOutOfBounds grid display			
Plugin - Gui - Grid Display	FEWS-23112		visualisation of CTA layer incorrect when zooming out			
Plugin - GUI - IFD - Forecasts, Plugin - Module - Archive	FEWS-22849		FEWS-22675 Clear IFD states after import of states from archive			
Plugin - GUI - IFD - Forecasts	FEWS-22927	Deltares	FEWS-21449 IMFS-SA: Forecast Tree can not find child nodes			
Plugin - GUI - IFD - Forecasts	FEWS-22926	Deltares	FEWS-21449 IMFS-OC: Runtime Schema contains unexpected element downloadMissingDataFromArchive			
Plugin - GUI - IFD - Forecasts	FEWS-23213	Deltares	FEWS-21449 IMFS-SA: Archive Export optie ignoreNonExistingLocationSets werkt niet			
Plugin - GUI - IFD - Forecasts	FEWS-22420		Stack overflow issue when repeated Id in Topology			
Plugin - GUI - IFD - Forecasts	FEWS-23116	nws	FEWS-21449 NWS: jdk.internal.util.Preconditions.outOfBounds error when applying mods on forecastgroups level			
Plugin - Gui - Map	FEWS-22047		FEWS-21449 Waternet: Very slow zooming in grid display for less than 100 points			
Plugin - Gui - Map	FEWS-23054		Line shape layer with class breaks colors. Line color changes when zooming			
Plugin - GUI - Sample Viewer	FEWS-22966	HDSR	FEWS-22632 Sample Viewer does not contain "Remove Filter"-button like the DatabaseViewer			
Plugin - Gui - Schematic Status Display, System - PI Service	FEWS-22844		FEWS-22675 SSD webservice: some questions, possible bugs, about the test page			
Plugin - Gui - Schematic Status Display, System - PI Service	FEWS-22879		FEWS-22675 SSD webservice: caching issue with the test page?	scada displays were never refreshed	Scada displays were never refreshed from the database. Only after restarting the webservice, the latest scada displays were read.	https://publicwiki.deltares.nl/display/FEWSDOC/FEWS+Schematic+Status+Display+%28SSD%29+Web+Service
Plugin - Gui - System Monitor	FEWS-22763		archive tab in system monitor always shows error			
Plugin - Gui - System Monitor	FEWS-22825	BOS Regge testsystem	FEWS-22675 System Monitor shows incorrect FSS path			
Plugin - Gui - System Monitor	FEWS-22970	Deltares	FEWS-21449 IMFS-OC: On small display the system monitor does not show the users logged in.			
Plugin - Gui - Threshold Display	FEWS-22396		Nullpointer in Threshold Overview			
Plugin - Gui - Threshold Display	FEWS-22332		Stacktrace in ThresholdOverviewDisplay when no data available			
Plugin - Gui - Threshold Display	FEWS-22835		FEWS-22675 IMFS-SA: Program error:Window not disposed nl.wdelft.util.swing.JDisposableDialog			
Plugin - Gui - Threshold Display	FEWS-23059	Deltares	FEWS-21449 IMFS-OC: timeSeriesTableDisplay is not updated when new data is imported			
Plugin - Gui - Time Series	FEWS-22356		AWT-EventQueue-0.ThreadGroup.uncaughtException - Array index out of bounds 8 >= 2 at java.util.Vector.elementAt:-1			
Plugin - Gui - Time Series	FEWS-21236		Index out of bound exception when switching between plots and some time series are invisible			
Plugin - Gui - Time Series	FEWS-22673	HDSR	Time series disappears after time dependent relation change			
Plugin - Gui - Time Series	FEWS-22517		FEWS-19982 MH: Cannot Apply Expression to last column when validation and/or comments columns included in table			
Plugin - Gui - Time Series	FEWS-21898		Warning icons not displayed for time series with qualifier(s)			
Plugin - Gui - Time Series	FEWS-21689		on the fly statistics - calender aggregation shows error in table			
Plugin - Gui - Time Series, Plugin - Module - Statistics	FEWS-22923		FEWS-19558 IPC: FB61 hide original series for calendar aggregation retains original time steps in table			
Plugin - Gui - Time Series	FEWS-23048	Deltares	FEWS-21449 IMFS-OC: Selected Threshold Groups is not updated when selecting different series			
Plugin - Gui - Time Series	FEWS-21574		FEWS-21449 FFFS-OC: Seasonal Thresholds do not work correctly anymore in Time Series Display			
Plugin - Gui - Time Series	FEWS-21938		FEWS-21449 When you press the Shift-F4 (goto next plot), you get "Array index out of bounds", if you do so on the last plot			

Delft-FEWS 2020.01 Solved Bugs						
Component/s	Key	Customer name	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Plugin - Gui - Time Series	FEWS-22329		FEWS-21449 Missing time series in Plot Thumbnails when viewed from Plots display			
Plugin - Gui - Time Series	FEWS-22368	Deltares	FEWS-21449 IMFS-OC: Illegal argument true != false for 1st check passed			
Plugin - Gui - Time Series	FEWS-23136		FEWS-22675 HyFS - thresholds no longer show in TSD			
Plugin - Gui - Time Series	FEWS-23264	HDSR	FEWS-22675 TSD: Buttonbar height calculation wrong. Some buttons/dropdownbox invisible at certain screen width			
Plugin - Gui - Time Series	FEWS-22211		FEWS-9707 HDSR: BUG: interactie timeslider en dataviewer bij gebruik van TDL			
Plugin - Gui - Time Series	FEWS-22904		FEWS-9707 HDSR: verkeerde foutmelding bij on-the-fly expressiereeksen			
Plugin - Gui - Time Series	FEWS-22197		FEWS-19650 snow-elevation display in BChydro no longer working in 2018.02			
Plugin - Gui - Time Series	FEWS-23033		FEWS-10616 TVA: central moving average statistical function			
Plugin - Gui - Time Series	FEWS-22834		FEWS-22675 IMFS-SA: Shortcut keys in data Display are double			
Plugin - Gui - Time Series	FEWS-22822		FEWS-22675 Array index out of bounds - timeserie display			
Plugin - Gui - Time Series	FEWS-22773		FEWS-22675 RatingCurve Display Scaling			
Plugin - Gui - Time Series, Plugin - Gui - Time Series Modifier	FEWS-22691		FEWS-21449 Start/End date of time series modifiers affects the time window in plot thumbnails			
Plugin - Gui - Time Series	FEWS-22690		FEWS-21449 Missing time series in plot thumbnails at startup (until selecting thumbnail or Plots)			
Plugin - Gui - Time Series	FEWS-22893	FEWS Vecht	TS visibility does not show all series			
Plugin - Gui - Time Series	FEWS-23179	Deltares	FEWS-21449 IMFS-OC: Date of a peak height is not correct in Time Series display thresholds			
Plugin - Gui - Time Series	FEWS-21555		FEWS-9556 RWsOS-IWP: Fout datumsorteer-functie in OC.			
Plugin - Gui - Time Series	FEWS-22988	Deltares	FEWS-21449 IMFS-OC: Null pointer program error at nl.wdelft.fews.gui.plugin.timeseries.TimeSeriesDialog.applyDisplayGroupToChart			
Plugin - Gui - Time Series	FEWS-23183	FOEN	Selection of timeseries in plot/graph broken			
Plugin - Gui - Time Series	FEWS-22779		FEWS-22675 wanda: longitudinal profile display exception			
Plugin - Gui - Time Series	FEWS-22719		Favourite plosts are missing from TimeSeries display			
Plugin - Gui - Time Series	FEWS-21916		ArrayIndexOutOfBounds when turning on line via edit graph properties for 1 equidistant time step			
Plugin - Gui - Time Series	FEWS-22803		FEWS-22675 statistics: difference plot y axis doesn't match when Relative difference (%) is selected			
Plugin - Gui - Time Series Interval Statistics	FEWS-21606		FEWS-21449 ERROR - ThreadGroup.uncaughtException when sorting column in intervalStatistics			
Plugin - Gui - Time Series Modifier	FEWS-22864	TRCA	Nonequidistant Timeseries Modifier not created			
Plugin - Gui - Time Series Modifier	FEWS-22725		Climatology values are not shown properly			
Plugin - Gui - Time Series Modifier	FEWS-21867		Sacco modifier does not take into account the qualifiers			
Plugin - Gui - Time Series Modifier	FEWS-23023	Deltares	FEWS-21449 IMFS-OC: useTimeOfFirstReliableValueInTimeSeries modifier werkt niet meer			
Plugin - Gui - Time Series Modifier	FEWS-22049		FEWS-21449 null pointer when I try to open the location attribute modifier			
Plugin - Gui - Time Series Modifier	FEWS-21874		Nullpointer clicking modifiers HDSR			
Plugin - Gui - Time Series Modifier	FEWS-22801		FEWS-22675 modifierspanel exception in combination with property based workflow descriptors			
Plugin - Gui - Time Series Modifier	FEWS-22891		FEWS-22675 Error when clicking existing timeseries modifier in modifier display			

Delft-FEWS 2020.01 Solved Bugs						
Component/s	Key	Customer name	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Plugin - Gui - Time Series Modifier	FEWS-22717		Modified rating curves differ from values in table		If the negative discharge is entered in the rating curve modifiers , a warn message is given and this rating curve modifier cannot be stored. Picture RatingCurveModifier_201902_patch93224.png shows the shiftMultiplyRatingCurveModifier with wrong discharge values. (note that previously the negative discharges were hidden, i.e. shown as 0.0)	
Plugin - Gui - Time Series Modifier	FEWS-22713		RatingCurve panel in modifier display is transformed		The plot panel displaying the rating curve gets warped when resizing the elements in the modifier display	
Plugin - Gui - Time Series Modifier	FEWS-22704		FEWS-22675 HyFS-SA: Load Fews.ModifierTypes.<init>-Config.Error: Unknown modifier			
Plugin - Gui - Time Series Modifier	FEWS-23028		FEWS-21449 NA Alpha BCH Making mod results in 3 mods for each location			
Plugin - Gui - Time Series Modifier	FEWS-23029		FEWS-21449 NA Alpha BCH Too many time series listed in modifiers			
Plugin - GUI - Verification Analysis Display	FEWS-22793	Deltares	FEWS-22675 HyFS-SA: Verification display ccrashes with Errors that Archive is not accessible			
Plugin - Gui - Web Browser Display	FEWS-22766		FEWS-22675 IFD - focus stays stuck on embedded webbrowser display when walking through the topology			
Plugin - Gui - Web Browser Display	FEWS-22737		FEWS-22675 jcef web browser display throws uncaughtException			
Plugin - Gui - Web Browser Display	FEWS-22290	Seqwater	FEWS-19548 Web browser display - design for single/multiple instances?			
Plugin - Module - (Primary) Validation	FEWS-22371		FEWS-19982 Validation: Inconsistent behaviour of the ROC validation rules			
Plugin - Module - Archive	FEWS-23001		Archive export Read/Write error Error when trying to verify the merge null			
Plugin - Module - Archive	FEWS-22787		FEWS-22675 elastic url is not shown in the gui			
Plugin - Module - Archive	FEWS-21764		Do not allow module instance id to be null for time series record			
Plugin - Module - Archive	FEWS-23072		FEWS-22675 THREDDSS cannot manage semicolon in archived configurations			
Plugin - Module - Archive	FEWS-22942	Deltares	FEWS-21449 IMFS Archive: Exception occurred when harvesting metadata file			
Plugin - Module - Archive	FEWS-23065		FEWS-21449 IMFS-SA: Archive of products can not archive multiple files			
Plugin - Module - Archive	FEWS-23066	Deltares	FEWS-21449 IMFS-SA: Archive of product crashed when filename is incorrect			
Plugin - Module - Archive	FEWS-22943	Deltares	FEWS-21449 IMFS Archive: Archive export does not export all data and creates corrupt files.			
Plugin - Module - Archive	FEWS-23012		FEWS-22675 archive: download import snapshot path error			
Plugin - Module - Archive	FEWS-23040		On Archive Export: Illegal argument MIN_VALUE not allowed for 1st check passed at nl.widelift.archive.util.ArchiveUtil.getDateTimeAsString			
Plugin - Module - Data Export	FEWS-23017	Wuppervverband	Export generalCSV multiple values per line gives ERROR			https://publicwiki.deltares.nl/display/FEWSDOC/General+CSV+Export
Plugin - Module - Data Import	FEWS-20643		OpenDap import does not work for NASA data warehouse	The OpenDAP implementation for importing grid data has been improved to solve authentication issues with NASA GPM data and improve catalog performance	The OpenDAP implementation for importing grid data has been improved to solve authentication issues with sites like earthdata.org (NASA) that use a redirection during user authentication. This makes it possible again to import NASA GPM (Global Precipitation Monitoring) using OpenDAP. When using OpenDAP catalogs, the catalog can now be filtered by observation date/time providing a significant performance improvement in most cases.	https://publicwiki.deltares.nl/display/FEWSDOC/Import+data+using+OPeNDAP
Plugin - Module - Data Import	FEWS-22220		Import JTWC typhoon track Southern Hemisphere			

 **Delft-FEWS 2020.01 Solved Bugs**

Component/s	Key	Customer name	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Plugin - Module - Data Import	FEWS-21940		FEWS-19380 NETCDF-CF_GRID : problems parsing nc file with ensembles			
Plugin - Module - Data Import	FEWS-22498		generalCSV should not accept incorrect datetime pattern in CSV file			
Plugin - Module - Data Import	FEWS-22819		FEWS-22675 FEWS-ECO: Import Samples error - workflow gets stuck due to sampleProperties IOException			
Plugin - Module - Data Import	FEWS-23145		Import of ASCII/NetCDF/Grib files still takes a lot longer			
Plugin - Module - Data Import	FEWS-22846	Deltares	FEWS-22675 HyFS-SA: Import van CSV type tijdreeksen is erg traag. IfdThresholdIconLoader uses 80% CPU while a local workflow is running.			
Plugin - Module - Data Import	FEWS-22620		Unexpected error: java.security.InvalidAlgorithmParameterException	The stripped jre was missing some cacerts	The stripped jre was missing some cacerts that are required for some HTTPS communications. They have been added in the latest basebuilds.	
Plugin - Module - General Adapter	FEWS-22735		FEWS-22675 void nl.wdelft.fews.system.data.timeseries.TimeSeriesExportContentFilter			
Plugin - Module - General Adapter	FEWS-22393		Error in ZipActivity when time zone not in whole hours			
Plugin - Module - General Adapter	FEWS-22753		FEWS-22675 FOEN-SA: Running a model from GA is very slow and stops at some point			
Plugin - Module - General Adapter	FEWS-22783		FEWS-22675 GA does not accept approvedDate in timeseries.xml			
Plugin - Module - Modifiers (ModuleParameters)	FEWS-22860		FEWS-9861 NWS: #78449 Topology icons turn yellow unexpectedly			
Plugin - Module - Modifiers (ModuleParameters)	FEWS-21847		Null pointer is thrown when the sacco doesn't have a default time		When I remove the defaultTime from the config of the compound modifier (SACCO) then I get a null pointer	
Plugin - Module - Modifiers (ModuleParameters)	FEWS-23047		FEWS-9861 NWS: #79207 Buggy behavior with moduleParameterModifier entries			
Plugin - Module - Modifiers (ModuleParameters)	FEWS-23201		FEWS-21449 NA Alpha NWS: LagK modifier tables only have grey cell backgrounds			
Plugin - Module - Modifiers (TimeSeries)	FEWS-21848		option useLongName is not supported for the compound modifier			
Plugin - Module - Modifiers (TimeSeries)	FEWS-23082		FEWS-22675 loadModifiersInfoThread.ModuleConfigQuickScanner.parseModuleConfigFile java.io.IOException: Read/Write error Stream closed Read/Write error Read/Write error Stream closed			
Plugin - Module - Modifiers (TimeSeries)	FEWS-22545	NWS	FEWS-9861 NWS: #67945 Enable Expiry of Modifiers that do not have Valid Times (reverseOrder, mergeWeighted, unithg)			
Plugin - Module - Modifiers (TimeSeries)	FEWS-22920		FEWS-21449 NA Alpha NWS: clicking existing modifier should not update creation time and user			
Plugin - Module - Modifiers (TimeSeries)	FEWS-22196		FEWS-21449 exception in modifierpanel when running workflow from IFD			
Plugin - Module - Performance Indicators	FEWS-22863	RWS	FEWS-22675 RWSOS-Rivieren: performanceIndicators - leadTimePeriods do not produce analysed variables			
Plugin - Module - Reports	FEWS-22390	FEWS Noorderzijvest	Null pointer program error at org.jfree.chart.plot.XYPlot.calculateRangeAxisSpace			
Plugin - Module - Reports	FEWS-22770		FEWS-22675 Error message says REPORT_HTML2IMAGE_PROGRAM while it should be REPORT_HTML2IMG_PROGRAM			
Plugin - Module - Reports	FEWS-22379	RWS	MIN_VALUE not allowed for 1st check			
Plugin - Module - Secondary Validation	FEWS-22204		FEWS-10487 Seqwater: Spatial Homogeneity uses unreliable input			
Plugin - Module - Spatial Modifiers	FEWS-23035	Deltares	FEWS-21449 IMFS-OC: spatial modifiers disappear when they are too large			
Plugin - Module - Statistics	FEWS-22494		Error occurs when using statistical functions and more than one run together, and changing location			
Plugin - Module - Thresholds	FEWS-22077		FEWS-10487 SEQWATER: Grace period for alerting			
Plugin - Module - Transformation	FEWS-22397		Config.Warn: Aggregation Accumulative Transformation not designed for non-equidistant input data, this may result in unexpected output values			
Plugin - Module - Transformation	FEWS-22223		FEWS-19650 NA Beta BPA Streamflow: aggregation accumulation not working			

Delft-FEWS 2020.01 Solved Bugs						
Component/s	Key	Customer name	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Plugin - Module - Transformation	FEWS-17590		FEWS-12245 BPA: Error using Time Dependent Locations			
Plugin - Module - Transformation	FEWS-22628		FEWS-11613 BFG: Transformation Aggregation Instantaneous to Mean bug			
Plugin - Module - Transformation	FEWS-23195	Deltares	FEWS-22675 FOEN-SA: Null pointer program error at nl.widelift.fews.system.data.runs.ModuleRunDescriptor.calculateHashCode			
System	FEWS-22417		TSD memory is not immediately released when closing TSD			
System	FEWS-22230		GeoTools WFS jars are missing in the bin			
System	FEWS-21653		Shutdown from IntelliJ hangs and needs explicit kill			
System - Logging	FEWS-22827	Deltares	FEWS-22675 IMFS-OC: Import Event codes moeten aan einde van run worden opgeslagen in database			
System - PI Service	FEWS-21630		FEWS-19924 PI Service: get attributes from archive request			
System - PI Service	FEWS-23265	WS De Dommel	java.lang.NullPointerException with SOAP webservice getTimeSeries request			
System - PI Service	FEWS-22791	Deltares	FEWS-22675 filter by qualifiers should match any instead of all	multiple qualifiers or module instance ids in timeseries endpoint	Fixes the issue that an "All" match was done for qualifier ids or module instance ids when using the timeseries endpoint	https://publicwiki.deltares.nl/display/FEWSDOC/FEWS+PI+REST+Web+Service
System - PI Service	FEWS-22781		FEWS-22675 Umaqua build fails	umaquo client jar is available again	umaquo client jar is available again. Failed due to wsdl2java generation failure.	https://publicwiki.deltares.nl/display/FEWSDOC/Umaquo
System - PI Service	FEWS-22556	Noorderzijvest WAM	error on using filter twice in webservice	using the same subfilter more than once makes the pi service fail	Using the same subfilter more than once makes the pi service fail	https://publicwiki.deltares.nl/display/FEWSDOC/FEWS+PI+REST+Web+Service#FEWSPIRESTWebService-GETlocations
System - PI Service	FEWS-23212		FEWS-22675 pi service returns html for http 400 errors	pi service shouldn't return html	In some cases if an error occurred or a bad request was sent, the PI service would return HTML. Now always plain text is returned.	https://publicwiki.deltares.nl/display/FEWSDOC/FEWS+PI+REST+Web+Service#FEWSPIRESTWebService-GETtimeseries
System - PI Service	FEWS-23160		FEWS-22675 PI Service testpage shows invalid parameters for most resources	pi service test page showed some invalid parameters	pi service test page showed some invalid parameters, that were not relevant for the selected resource.	https://publicwiki.deltares.nl/display/FEWSDOC/FEWS+PI+REST+Web+Service
System - UM Aquo Service	FEWS-22778		umaquo build not complete: jakarta*.jar seems to be missing	umaquo jars packaged	The missing jars from the umaquo client have been added to the distribution again.	https://publicwiki.deltares.nl/display/FEWSDOC/Umaquo
System - Workflow	FEWS-22872		Negative number of bytes logged for read file bytes at end of run			
System - Workflow	FEWS-23149	Deltares	FEWS-22675 FOEN-SA: Workflow met ensemble runInLoop werkt niet meer		Bug was is the manual forecast dialog. I added an argument check in the task properties to prevent illegal task properties are created. This should prevent the bug from reoccurring.	
Water Coach	FEWS-22870		FEWS-22675 WC: all time buttons in Participant should be disabled			
Water Coach	FEWS-22769		FEWS-22675 WC: participant can't run model runs, gets stuck in initialization			
Water Coach	FEWS-22768		FEWS-22675 WC: local runs (from master) don't show up in forecast mgt display of participant			
Water Coach	FEWS-22767		FEWS-22675 WC: server runs don't show as approved (run on the master)			
Water Coach	FEWS-22744		FEWS-22675 Error when starting a watercoach scenario			
	FEWS-23255		FEWS-22675 NRW: Strange behaviour of FSS instance where time is set back 2 hours after restarting			
	FEWS-23142		Archive Error log is removed			
	FEWS-23097		FEWS-22675 Open Database: Secondary validation icons do not appear in the map			
	FEWS-22802		FEWS-22675 Correlation display scatter plot threshold label disappears			