Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation
App - Admin Interface	FEWS-24970	FEWS 2021.01	FEWS-24538 Admin interface shows priority -1 for suspended tasks			
App - Admin Interface, App - Master Controller Server	FEWS-25097	FEWS 2021.01	FEWS-24538 AI: MC is running 2021.01 and status is ok while MC and CM patch 2020.01 is active			
App - Admin Interface	FEWS-24826	FEWS 2020.02, FEWS 2021.01	Uploading MC config in AI fails			
App - Admin Interface	FEWS-25172	FEWS 2021.01	FEWS-24538 AI: Unclear error message when uploading wrong file			
App - Admin Interface	FEWS-24774	FEWS 2021.01	FEWS-24538 AI: ajax error	ajax error when listing basebuilds	ajax error when listing basebuilds. Fixed with patch 102338. New Admin Interface is required.	
App - Admin Interface	FEWS-24722	FEWS 2021.01	FEWS-24538 upgrade commons-file-upload jar			https://nvd.nist.gov/vuln/detail/CVE-2016-1000031
App - Admin Interface	FEWS-24850	FEWS 2021.01	FEWS-24538 AI shows empty dialog	Show message when nog logs are found for task run	Show message when nog logs are found for task run	https://publicwiki.deltares.nl/display/FEWSDOC/Scheduled+Tasks+-+Task+Runs
App - Admin Interface	FEWS-24987	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	Error while uploading action mappings: null	upload action mappings failed	upload action mappings failed.	https://publicwiki.deltares.nl/display/FEWSDOC/Event+and+Actions
App - Admin Interface	FEWS-25064	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	FEWS-24538 AI show default expirytime in milliseconds while it says days	default expiry time reported milliseconds instead of hours	default expiry time reported milliseconds instead of hours	https://publicwiki.deltares.nl/display/FEWSDOC/Scheduled+Tasks+-+New+Task
App - Admin Interface	FEWS-25065	FEWS 2021.01	FEWS-24538 AI gives error on invalid timestep after editting existing task	edit of task of One or more days each month resulted in invalid timestep	edit of task of One or more days each month resulted in invalid timestep	https://publicwiki.deltares.nl/display/FEWSDOC/Scheduled+Tasks+-+New+Task
App - Admin Interface	FEWS-25131	FEWS 2020.02, FEWS 2021.01, FEWS 2021.02, FEWS 2020.02 RWS	Workflow FFS mapping upload cannot handle template workflows	workflow mapping upload ignored workflow descriptors	workflow mapping upload ignored workflow descriptors.	https://publicwiki.deltares.nl/display/FEWSDOC/Workflow+FSS+Groups+Mapping
App - Admin Interface	FEWS-23990	FEWS 2020.02, FEWS 2021.01	FEWS-23579 Software management is not a correct title anymore when there is also config management	name change for software management menu	Name change for software management menu. The main menu is now called Software and Configuration Management.	https://publicwiki.deltares.nl/display/FEWSDOC/Delft-FEWS+Admin+Interface+-+Software+and+Configuration+Management
App - Admin Interface	FEWS-25295	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	FEWS-24538 API Uploads should give a warning if file was not specified	Admin Interface API should give an error message if no file was specified	The Admin Interface API should give an error message if no file was specified. If the file name is missing from the multipart upload requests, the json response will return an error.	https://publicwiki.deltares.nl/display/FEWSDOC/Delft-FEWS+Admin+Interface+-+Software+and+Configuration+Management
App - Archive	FEWS-23566	FEWS 2020.02, FEWS 2021.01	Investigate performance problems with non-equi netcdf files with large amounts of variables			
App - Archive	FEWS-24873	FEWS 2021.01	FEWS-24538 Open Archive: the update of the area configuration is not read directly			
App - Archive	FEWS-25061	FEWS 2021.01	FEWS-24538 archive admin console: please use red colors to indicate catalogue is down			
App - Archive	FEWS-24866	FEWS 2021.01	FEWS-24538 archive adminsole: error report on tasks when catalogue stop			
App - Archive	FEWS-24816	FEWS 2021.01	FEWS-24538 Ambigious melding when there is no connection to archive			
App - Configuration Manager Gui	FEWS-24220	FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	False warning about clientConfig import			
App - Configuration Manager Gui	FEWS-24864	FEWS 2021.01	FEWS-24538 Incorrect CM warning on multiple sessions			
App - Configuration Manager Gui	FEWS-24942	FEWS 2021.01	FEWS-24538 FOEN-CM: Some improvements to Config Manager, also some Errors			
App - Configuration Manager Gui	FEWS-24672	FEWS 2021.01	CM: View config file version from table doesn't take sorting into account			
App - CreateShortcuts	FEWS-24708	FEWS 2021.01	FEWS-24538 Replace icon of message dialogs into FEWS icon			

Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation
App - Data Import Module (DIM), Plugin - Module - Data Export	FEWS-23768	FEWS 2021.01	gebruik exportTypeStandard vs exportType			
App - Delft-FEWS	FEWS-24338	FEWS 2021.01	Remove delft_topology_editor_castor.jar from Fews-build			
App - Delft-FEWS	FEWS-24528	FEWS 2021.01	FEWS-23599 mctools help			
App - Delft-FEWS	FEWS-24969	FEWS 2021.01	FEWS-24788 castorp.jar should be patched to fix Parser security issue	XML external entities are disabled.	XML external entities are disabled as recommended by the OWASP top 10: https://cheatsheetseries.owasp.org/cheatsheets/XML_External_Entity_Prevention_Cheat_Sheet.html	https://cheatsheetseries.owasp.org/cheatsheets/XML_External_Entity_Prevention_Cheat_Sheet.html
App - Forecasting Shell Server	FEWS-24781	FEWS 2021.01	Postgres database error: "Update FssStatus SET ,"			
App - Forecasting Shell Server	FEWS-25300	FEWS 2020.02, FEWS 2021.01, FEWS 2021.02, FEWS 2020.02 RWS	FSS: null pointer when trying to launch			
App - Forecasting Shell Server	FEWS-24822	FEWS 2021.01	FEWS-24538 Sqlexception Table TableLocalModificationTimes does not exist in sql script, sqlState: null, errorCode: 0			
App - Forecasting Shell Server	FEWS-24779	FEWS 2021.01	FEWS-24538 FSS does not start-java.lang.Exception: Invalid encrypted password for env			
App - Forecasting Shell Server	FEWS-25210	FEWS 2021.01	Foutmelding starten FSS bij 0 byte patch.jar (Null not allowed)			
App - Forecasting Shell Server	FEWS-25095	FEWS 2021.01	FEWS-24538 Error on deleting localbasebuilds on FSS			
App - Forecasting Shell Server	FEWS-25062	FEWS 2020.02, FEWS 2021.01	FEWS-24538 Triggered task does not pick up its expirytime as set in the AI			
App - Forecasting Shell Server	FEWS-25106	FEWS 2021.01	FEWS-24538 Don't configure patch.jar in the client config when no launcher is used			
App - Forecasting Shell Server	FEWS-25313	FEWS 2021.01	FEWS-24538 Runtime Unknown activity type skip at nl.wldelft.fews.system.workflow.Workflow.appendEncodedPartitionSequence			
App - Forecasting Shell Server	FEWS-24936	FEWS 2021.01	FEWS-24538 FSS suspended after error does not come back			
App - Forecasting Shell Server	FEWS-24921	FEWS 2021.01	FEWS-24538 Workflow Import_Grid hangs just before end of workflow			
App - Launcher Gui	FEWS-24941	FEWS 2021.01	FEWS-24538 Launcher: error on launching			
App - Operator Client Gui (Explorer), System - FEWS webservices - SSD	FEWS-25325	FEWS 2021.01	SSD errors related to Threshold warning levels			
App - Operator Client Gui (Explorer)	FEWS-25000	FEWS 2021.01	FEWS-24538 Explorer: interactive export ERROR - javax/xml/bind/ValidationException Class not found javax.xml.bind.ValidationExceptio	Interactive Exports documentation improved	The interactive exports documentation has been improved. A dedicated wiki page is now available. Also config warning will be logged for unsupported exportTypes.	https://publicwiki.deltares.nl/display/FEWSDOC/Interactive+Export
App - Operator Client Gui (Explorer)	FEWS-24998	FEWS 2021.01	FEWS-24538 Explorer: ERROR - java.lang.Exception: org/apache/xmlgraphics/java2d/color/NamedColorSpace			
App - Operator Client Gui (Explorer)	FEWS-25303	FEWS 2020.02, FEWS 2021.01, FEWS 2021.02	FEWS-23579 NA Alpha DUSA: FewsMasterMcConfFileMigrator.Errors			https://publicwiki.deltares.nl/display/FEWSDOC/Delft-FEWS+Installation+-+Configure+Master+Controller+Application+-+2020.02+and+later
App - Operator Client Gui (Explorer)	FEWS-24709	FEWS 2021.01	FEWS-24538 Error while running InteractiveTimeSeriesExporter: Illegal method call First call continueScan()			

Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation
App - Operator Client Gui (Explorer)	FEWS-24699	FEWS 2021.01	Fix date format in T0 user setting			
App - Operator Client Gui (Explorer)	FEWS-25246	FEWS 2021.01, FEWS 2021.02	FEWS-24538 Change INFO message to DEBUG - Load Fews.Filters.logEmptyFilters - ... empty filters are invisible			
App - Operator Client Gui (Explorer)	FEWS-23961	FEWS 2020.02, FEWS 2021.01	FEWS-23579 Faults in location names			
App - Operator Client Gui (Explorer)	FEWS-24519	FEWS 2020.02, FEWS 2021.01	Web browser display does not render properly when other displays overlap			
App - Operator Client Gui (Explorer)	FEWS-24721	FEWS 2021.01	FEWS-24538 Error on checking old modules en explorer plugins			
App - Operator Client Gui (Explorer)	FEWS-24842	FEWS 2021.01	FEWS-24538 Incorrect checkbox behavior			
App - Operator Client Gui (Explorer)	FEWS-24870	FEWS 2021.01	FEWS-24538 current system time should have space between label and data			
App - Operator Client Gui (Explorer)	FEWS-24446	FEWS 2021.01	FEWS-23579 typos in dutch language			
App - Operator Client Gui (Explorer)	FEWS-24740	FEWS 2021.01	FEWS-24538 On starting a new dialog (like Forecast Manager, Manual forecast) too many screen refreshes			
App - Operator Client Gui (Explorer)	FEWS-25034	FEWS 2021.01	FEWS-24538 checkbox selection remains selected on the menu in the qualifier tree			
App - Operator Client Gui (Explorer)	FEWS-24999	FEWS 2021.01	FEWS-24538 Explorer: About section still says FEWS copyright 2014			
App - Operator Client Gui (Explorer)	FEWS-24754	FEWS 2021.01	FEWS-24538 SA: should there be a bar at the top of the workflow notification pop-up?			
App - Operator Client Gui (Explorer)	FEWS-24799	FEWS 2021.01	FEWS-24538 when using dedicated bin, always error on "failed to move ....."			
App - Operator Client Gui (Explorer)	FEWS-24810	FEWS 2021.01	FEWS-24538 FLATLAF: strange position of ? button			
App - Operator Client Gui (Explorer)	FEWS-24756	FEWS 2021.01	FEWS-24538 Load Fews.TimeSeriesFilter.createFromCastor - Illegal argument not for 1st check passed at nl.wldelft.fews.system.data.config.region.TimeSeriesFilter.createFromCastor			
App - Operator Client Gui (Explorer)	FEWS-24771	FEWS 2021.01	Linux font size in 2021.01 is much larger than Windows			
App - Operator Client Gui (Explorer)	FEWS-24710	FEWS 2021.01	FEWS-24538 Default icons are not transparent enough			
App - Operator Client Gui (Explorer)	FEWS-24723	FEWS 2021.01	FEWS-24538 crash bij afsluiten SA			
App - Operator Client Gui (Explorer)	FEWS-24859	FEWS 2021.01	FEWS-24538 default icons are not displayed correctly			
App - Operator Client Gui (Explorer)	FEWS-24758	FEWS 2021.01	FEWS-24538 Na vergroten fontgrootte in explorer opties, deze melding: Program error:Window not disposed javax.swing.JDialog Note			
App - Operator Client Gui (Explorer)	FEWS-24937	FEWS 2021.01	FEWS-24538 FLATLAF remarks			
App - Operator Client Gui (Explorer), Database - Datastore	FEWS-22739	FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	FEWS-22675 On closing fews, you get an error on unreleased blobs			
App - Operator Client Gui (Explorer)	FEWS-24938	FEWS 2021.01	FEWS-24538 Choose Patch window: Wrong icon			
App - Operator Client Gui (Explorer)	FEWS-25176	FEWS 2021.01	FEWS-24538 IMFS-SA: Performance and Memory Issues			
App - Operator Client Gui (Explorer)	FEWS-25090	FEWS 2021.01	FEWS-24538 IMFS-OC: Geheugen gebruik in 2021.02 veel groter dan in 2019.02 EA			
App - Operator Client Gui (Explorer)	FEWS-24749	FEWS 2021.01	FEWS-24538 SA: should the shutdown be timed-out after 30 seconds, if during shutdown a pop-up appears?			

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App - Operator Client Gui (Explorer)	FEWS-24747	FEWS 2021.01	FEWS-24538 SA: after application reload, FEWS internal buttons no longer work, error at shutdown/restart (datastore listener not removed)			
App - Operator Client Gui (Explorer)	FEWS-25122	FEWS 2021.01	FEWS-24538 Illegal argument endTime == Long.MIN_VALUE Waternet			
App - Operator Client Gui (Explorer)	FEWS-25139	FEWS 2021.01	FEWS-24538 FewsExplorerEnvironment.updateSessionRunnable - Illegal thread state Only one connection allowed per thread	Only one connection allowed per thread		
App - Operator Client Gui (Explorer)	FEWS-24909	FEWS 2020.02, FEWS 2021.01	FEWS-23579 memory bar reports wrong memory usage on Linux VM			
App - Operator Client Gui (Explorer)	FEWS-24769	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	FEWS-24538 ERROR - FewsExplorer Load Time Series Info Thread.FewsExplorer.loadTimeSeriesInfos - Sqltime out Connection timeout (0 s) jdbc:firebirdsql:embedded			
App - Operator Client Gui (Explorer)	FEWS-25249	FEWS 2021.01	FEWS-24538 Timedependent Timeslider runs of the screen (and is on top of screen)			
App - Operator Client Gui (Explorer)	FEWS-24468	FEWS 2020.02, FEWS 2021.01	Temporary Import - Unknown header element: approvedDate			
App - Operator Client Gui (Explorer)	FEWS-24841	FEWS 2021.01	FEWS-24538 Illegal argument time == Long.MIN_VALUE			
App - Operator Client Gui (Explorer)	FEWS-24742	FEWS 2021.01	FEWS-24538 SA: at start-up previous T0 should be maintained instead of current system time			
App - Operator Client Gui (Explorer)	FEWS-24843	FEWS 2021.01	FEWS-24538 copyright sign in About box is wrong			
App - Operator Client Gui (Explorer)	FEWS-25109	FEWS 2021.01	FEWS-24538 F5 not working when the embedded webbrowser tab is the active tab			
Configuration	FEWS-24480	FEWS 2021.01	FEWS-21063 ModuleDataSetUpdater.Info should report before update action not afterwards			
Configuration	FEWS-24697	FEWS 2021.01	IMFS-SA: Functionaliteit voor LocationSets is stuk			
Database - Central Database	FEWS-25066	FEWS 2021.01	data_update script postgres			
Database - Central Database	FEWS-24967	FEWS 2021.01	FEWS-24538 SQL Server schema creation script fails on duplicate constraint			
Database - Datastore, Plugin - Gui - Forecast Manager, Plugin - GUI - IFD - Forecasts	FEWS-24660	FEWS 2021.01	FEWS-24538 whatif node not properly applied when using Save local run as persistent server run			
Database - Datastore	FEWS-25148	FEWS 2020.02, FEWS 2021.01	FEWS-23579 NA Alpha NWS: Illegal method call Method getName() called in invalid state caused by nl.wldelft.util.XMLStreamReaderWrapper.getName:221			
Database - Datastore	FEWS-24980	FEWS 2021.01	FEWS-24538 FOEN-OC: Reconnecting 0 Operator Client foenmc00_postgresql because of An I/O error occurred while sending to the backend			
Database - Datastore	FEWS-25195	FEWS 2021.01	FEWS-24538 FOEN-OC: Config.Error: foen_catchments.dbf file is referenced twice in the configuration but first time with charsets UTF-8 and second time with charset ISO-8859-1			
Database - Datastore	FEWS-24962	FEWS 2021.01	FEWS-24538 FOEN-SA/OC: Modules sometimes do not pick up workflow properties			

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Database - Datastore	FEWS-24922	FEWS 2021.01	FEWS-24538 FOEN-FSS: Null pointer program error at nl.wldelft.fews.system.data.runs.TimeSeriesBlobsImpl.removeAllTemporaryIndices			
Database - Datastore, Plugin - Module - PcrTransformation	FEWS-25206	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	FEWS-24538 FOEN-SA: PCRaster returns some missing cells			
Database - Datastore, System	FEWS-24912	FEWS 2021.01	FEWS-24538 Convert the database from 2018.02, and launch the 2021,01 client			
Database - Datastore	FEWS-25159	FEWS 2021.01	FEWS-24538 Default for numberOfTimeSeriesBlobsForWarning should be same for LDS and DDA			
Database - localDataStore	FEWS-24659	FEWS 2021.01	Save local run as persistent server run very slow			
Database - localDataStore	FEWS-24908	FEWS 2021.01	FEWS-24538 FOEN-SA: Illegal argument isTrueForEach			
Database - Open Database	FEWS-25060	FEWS 2021.01	FEWS-24538 Illegal method call !externalTables.isMirror()			
Database - Open Database	FEWS-25213	FEWS 2021.01	FEWS-24538 Zuiderzeeland: Editing values restores originals (if you are not quick enough)			
Debug Tool - Database Viewer	FEWS-24809	FEWS 2021.01	FEWS-24538 Database Viewer: header titles: 2 issues/typos			
Debug Tool - Database Viewer	FEWS-24846	FEWS 2021.01	FEWS-24538 Database Viewer: F12 option results in ERROR			
Debug Tool - Workflow Navigator	FEWS-24741	FEWS 2021.01	FEWS-24538 on running any workflow or workflow navigator - Illegal method call class			
Module Adapter - Ribasim	FEWS-25130	FEWS 2021.01	FEWS-24538 ribasim-adapter: java-class clashes			
Module Adapter - Ribasim	FEWS-25164	FEWS 2021.01, FEWS 2021.02	FEWS-22443 RIBASIM post adapter outputs start with locationid for all types			
Plugin - GUI - Annotations Panel	FEWS-25076	FEWS 2021.01	FEWS-24538 Annotation Display: Stacktrace when deleting two locations with null annotation in a row			
Plugin - GUI - Annotations Panel	FEWS-25077	FEWS 2021.01	FEWS-24538 Annotation Display: Stacktrace when duplicating location with null annotation twice (?)			
Plugin - GUI - Annotations Panel	FEWS-25082	FEWS 2021.01	FEWS-24538 Annotation Display: Filtering does not work when just the datasource in the DataViewer (Filter) is selected			
Plugin - GUI - Annotations Panel	FEWS-25080	FEWS 2021.01	FEWS-24538 Annotation Display: Upon Import of new annotations, Display does not refresh			
Plugin - GUI - Annotations Panel	FEWS-25079	FEWS 2021.01	FEWS-24538 Annotation Display: Stacktrace and Database corruption when creating annotation			
Plugin - GUI - Annotations Panel	FEWS-25078	FEWS 2021.01	FEWS-24538 Annotation Display: Stacktrace and Database corruption when duplicating annotation			
Plugin - Gui - Archive Display	FEWS-24181	FEWS 2020.02, FEWS 2021.01	FEWS-23579 Archive dialog shows dataset name with non specific names for simulated and external forecasting, while observed shown explaining netcdf file names			
Plugin - Gui - Archive Display	FEWS-25297	FEWS 2020.01, FEWS 2020.02, FEWS 2021.01, FEWS 2021.02	archive tab is not shown when system monitor is started at FEWS launch			
Plugin - Gui - Archive Display	FEWS-25071	FEWS 2021.01	FEWS-24538 Dutch text does not fit properly in Archive dialog			
Plugin - GUI - ComposedWhatIf	FEWS-24667	FEWS 2021.01	FEWS-21063 whatif: many tiny issues			

Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Plugin - GUI - ComposedWhatIf	FEWS-24614	FEWS 2021.01	FEWS-21063 WhatifEditor: exception when description larger than 255 characters			
Plugin - GUI - ComposedWhatIf	FEWS-24989	FEWS 2021.01	FEWS-24538 whatif: refresh dropdown modifiers not always ok			
Plugin - GUI - ComposedWhatIf	FEWS-24827	FEWS 2021.01	improve whatif editor so that it can be unit-tested			
Plugin - GUI - ComposedWhatIf	FEWS-25207	FEWS 2021.01	FEWS-24538 WhatIf: unexpected exception			
Plugin - GUI - ComposedWhatIf	FEWS-24844	FEWS 2021.01	FEWS-24538 whatif: editor does not show modifiertypes in order of template-configuration			
Plugin - GUI - ComposedWhatIf	FEWS-25208	FEWS 2021.01	FEWS-24538 whatif: refresh issue when adding Moduledataset			
Plugin - GUI - ComposedWhatIf	FEWS-25030	FEWS 2021.01	FEWS-24538 flatlaf: edits in whatif table invisble while typing if mouse hoovers over cell			
Plugin - GUI - ComposedWhatIf	FEWS-25031	FEWS 2021.01	FEWS-24538 whatif: inapproprite tooltips			
Plugin - Gui - Correlation	FEWS-24896	FEWS 2021.01	FEWS-24538 UI comparison test: correlation display			
Plugin - Gui - Correlation	FEWS-23901	FEWS 2020.02, FEWS 2021.01	FEWS-23579 IMFS-SA: Peak Heights display shows Error when started			
Plugin - Gui - Correlation	FEWS-25028	FEWS 2021.01	FEWS-24538 adjust start date and end date for Event period selection not working			
Plugin - Gui - Dashboard	FEWS-24737	FEWS 2020.02, FEWS 2021.01	FEWS-23579 Dashboard display in focus is not stored when saving layout			
Plugin - Gui - Dashboard	FEWS-24241	FEWS 2020.02, FEWS 2021.01	FEWS-23579 Dashboards: Time synchronisation button broken			
Plugin - Gui - Dashboard	FEWS-23949	FEWS 2021.01	FEWS-23579 Dashboard exception (development build)			
Plugin - Gui - Dashboard	FEWS-25211	FEWS 2021.01	FEWS-24538 Dashboards: adding any gridplot from Regge/IRC nodes results in same plot to be added			
Plugin - Gui - Dashboard	FEWS-25158	FEWS 2021.01	FEWS-24538 Turning a user-defined dashboard to a pre-defined dashboard leads to an assertion error.			
Plugin - Gui - Dashboard	FEWS-24946	FEWS 2021.01	FEWS-24538 FOEN-OC: Dashboard Toolbar is not showing			
Plugin - Gui - Dashboard	FEWS-24948	FEWS 2021.01	FEWS-24538 FOEN-OC: Time series plot in Dashboard is not visible			
Plugin - Gui - Dashboard	FEWS-24981	FEWS 2021.01	FEWS-24538 FOEN-OC: Space between frames in Dashboard is too large			
Plugin - Gui - Forecast Manager	FEWS-25067	FEWS 2021.01	FEWS-24538 After deleting some 1000 forecasts OC hangs for long time			
Plugin - Gui - Forecast Manager	FEWS-24984	FEWS 2021.01	FEWS-24538 FOEN-OC: List with current forecasts is incomplete			
Plugin - Gui - Forecast Manager	FEWS-25068	FEWS 2021.01	FEWS-24538 error on deleting taskruns from forecast manager			
Plugin - Gui - Grid Display	FEWS-24671	FEWS 2021.01	FEWS-24538 Spatial plot run legend: runs included in difference plot unclear			
Plugin - Gui - Grid Display, Plugin - GUI - IFD - Forecasts, Plugin - Gui - Time Series	FEWS-25007	FEWS 2021.01	FEWS-24538 whatif/IFD/TSD/SD: whatif node selectie leidt niet altijd tot refresh in Timeseriesdisplay/Spatial Display			
Plugin - Gui - Grid Display, Plugin - GUI - IFD - Forecasts	FEWS-25019	FEWS 2021.01	FEWS-24538 whatif: Double click in Spatial Display opens forecast in TSD without populating the legend with taskdescriptor information of the forecast opened			

Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Plugin - Gui - Grid Display	FEWS-24634	FEWS 2021.01	null pointer in grid display after selecting what-if in ifd tree			
Plugin - Gui - Grid Display	FEWS-24947	FEWS 2021.01	FEWS-24538 FOEN-OC: Not possible to make a new dashboard, button is missing in Spatial Display			
Plugin - Gui - Grid Display	FEWS-25123	FEWS 2021.01	FEWS-24538 Nullpointer Waternet - Spatial Display			
Plugin - Gui - Grid Display, Plugin - Gui - Schematic Status Display, Plugin - Gui - Time Series	FEWS-24757	FEWS 2021.01	FEWS-24538 SA: inconsistent colouring of various 'boxes' in time period selection, wrong translation for save button (SSD, TSD, grid display, ...)			
Plugin - Gui - Grid Display	FEWS-25037	FEWS 2021.01	FEWS-24538 Spatial Display - time series display interaction: odd behaviour			
Plugin - GUI - IFD - Dataviewer	FEWS-23903	FEWS 2020.02, FEWS 2021.01	FEWS-23579 Thresholds do not disappear when deselecting all			
Plugin - GUI - IFD - Dataviewer	FEWS-24778	FEWS 2021.01	FEWS-24538 Showing of Qualifier labels and summation sign: inconsistency encountered			
Plugin - GUI - IFD - Forecaster Help	FEWS-24819	FEWS 2021.01	FEWS-24538 DocumentViewer - comment option throws a NullPointer			
Plugin - GUI - IFD - Forecasts	FEWS-24813	FEWS 2021.01	FEWS-24538 HyFS-SA: loadModifiersInfoThread.ModuleConfigQuick Scanner.getScanResult - Config.Error			
Plugin - GUI - IFD - Forecasts	FEWS-24871	FEWS 2021.01	FEWS-24538 IFD icons are not updated after running a IFD task			
Plugin - GUI - IFD - Forecasts	FEWS-23749	FEWS 2018.02, FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01, FEWS 2021.02	FEWS-16132 Explorer font size change makes elements in Run options panel disappear			
Plugin - Gui - Longitudinal Profiles	FEWS-24960	FEWS 2021.01	FEWS-24538 Longitudinal profilePlots: <visibleInTable> not working as expected			
Plugin - Gui - Manual Forecast	FEWS-24198	FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	Hide mostly unused and irrelevant option to run ensemble member indices			
Plugin - Gui - Manual Forecast	FEWS-24172	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	SPH: Opening Manual Forecast Dialog lets FEWS "hang"			
Plugin - Gui - Manual Forecast	FEWS-24868	FEWS 2021.01	FEWS-24538 forecast=false workflows should not have the approve option enabled			
Plugin - Gui - ModuleParameter Modifiers - Auto calibration	FEWS-24914	FEWS 2021.01	FEWS-17002 Selecting Observed (and simulated?) time series			
Plugin - Gui - ModuleParameter Modifiers - Auto calibration	FEWS-24888	FEWS 2021.01	FEWS-17002 AutoCal End Data cannot be less than T0			
Plugin - Gui - ModuleParameter Modifiers - Auto calibration	FEWS-24889	FEWS 2021.01	FEWS-17002 No final parameters warning is confusing			
Plugin - Gui - Product Information	FEWS-23904	FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	FEWS-23579 Thresholds table in FPI disappears when deselecting all columns			
Plugin - GUI - Sample Viewer	FEWS-22966	FEWS 2020.02, FEWS 2021.01	FEWS-22632 Sample Viewer does not contain "Remove Filter"-button like the DatabaseViewer			
Plugin - GUI - Sample Viewer	FEWS-24879	FEWS 2021.01	FEWS-24538 SampleViewer: History table shows ? instead of User when adding a comment			
Plugin - GUI - Sample Viewer	FEWS-25048	FEWS 2021.01	FEWS-24538 SampleViewer: Edit comment option should not be present in pop-up menu when user has no edit permission			

Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Plugin - GUI - Sample Viewer	FEWS-24763	FEWS 2020.02, FEWS 2021.01, FEWS 2021.02	FEWS-22632 Inconsistency edit sample value between SampleViewer and "Wijzig scherm"			
Plugin - Gui - Schematic Status Display	FEWS-24953	FEWS 2021.01	FEWS-24538 FOEN-OC: SSD Toolbar not correct			
Plugin - Gui - Schematic Status Display	FEWS-25143	FEWS 2021.01	FEWS-24538 Investigate Batik / SVG / ScadaPanel unclear exceptions logged.			
Plugin - Gui - Schematic Status Display	FEWS-24755	FEWS 2021.01	FEWS-24538 SA: leftClickSingleAction with timeseriesDisplays/variable(s) in schematic status display does not show hand icon, after click there is an error			
Plugin - Gui - Schematic Status Display	FEWS-24825	FEWS 2021.01	FEWS-24538 SSD: batik.svg exceptie			
Plugin - Gui - System Monitor	FEWS-24867	FEWS 2021.01	FEWS-24538 OC-SystemMonitor: unclear when archive catalogue is down			
Plugin - Gui - System Monitor	FEWS-24945	FEWS 2021.01	FEWS-24538 FOEN-OC: System monitor can not filter automatically on parallel workflows			
Plugin - Gui - TaskRunDialog	FEWS-24857	FEWS 2021.01	FEWS-24538 Approve option should be invisible or disabled when workflow is not a forecast			
Plugin - Gui - TaskRunDialog	FEWS-25248	FEWS 2021.01	Unlike other date/time input textboxes you cannot use arrow keys in the TaskRun Dialog			
Plugin - Gui - Time Series	FEWS-23822	FEWS 2020.02, FEWS 2021.01	Thumbnails use getDataFormat in background thread			
Plugin - Gui - Time Series	FEWS-24661	FEWS 2021.01	FEWS-21063 TSD: does not yet account for whatifmodifiertypes			
Plugin - Gui - Time Series	FEWS-24766	FEWS 2020.02, FEWS 2021.01	search button in TSD is not deactivated after interruption			
Plugin - Gui - Time Series	FEWS-24765	FEWS 2021.01	seamless integration thread in TSD stops after interruption			
Plugin - Gui - Time Series	FEWS-24875	FEWS 2021.01	FEWS-24538 Historical analysis function crashes after searching for data			
Plugin - Gui - Time Series	FEWS-23900	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	Labels of additionalTimeSeries in TSD not according to config			
Plugin - Gui - Time Series	FEWS-24676	FEWS 2017.02, FEWS 2018.02, FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2019.02 NA, FEWS 2021.01	FEWS-21449 Data Editor - expressions does not work with columns AA and higher			
Plugin - Gui - Time Series	FEWS-24792	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	Null pointer program error at resampling			
Plugin - Gui - Time Series	FEWS-25052	FEWS 2020.02, FEWS 2021.01	TSD maxtimespan option should not be applied on on-the-fly TSD statistics			
Plugin - Gui - Time Series	FEWS-23951	FEWS 2020.02, FEWS 2021.01	FEWS-23579 Quality label bar does not work with Longitudinal Profiles			
Plugin - Gui - Time Series	FEWS-23943	FEWS 2020.02, FEWS 2021.01	FEWS-23579 Bug longitudinal profiles; Statistics button (F10) not displayed			
Plugin - Gui - Time Series	FEWS-23948	FEWS 2018.02, FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	FEWS-23579 nullpointer in statistical on-the-fly ensemble percentile exceedence function when selecting ensemble member			
Plugin - Gui - Time Series	FEWS-24855	FEWS 2021.01	FEWS-24538 dutch language issues in TSD			
Plugin - Gui - Time Series	FEWS-25369	FEWS 2021.01	FEWS-24538 TSD does not show data in global datum when location with/without Z are combined			
Plugin - Gui - Time Series	FEWS-25163	FEWS 2021.01	FEWS-24538 on saving graph to PDF: AWT-EventQueue-0.ThreadGroup.uncaughtException - Exception converter The document has no pages.			

Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Plugin - Gui - Time Series	FEWS-24618	FEWS 2020.02, FEWS 2021.01	Interaction when using multiple qualifiers does not work correct			
Plugin - Gui - Time Series	FEWS-25075	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	FEWS-24538 hiding timeseries does not work correctly			
Plugin - Gui - Time Series	FEWS-24808	FEWS 2021.01	FEWS-24538 IMFS-SA: Nulpointer when selecting Scatter plot graph type			
Plugin - Gui - Time Series	FEWS-25033	FEWS 2019.02 EA, FEWS 2021.01	FEWS-24538 IMFS-OC: Update Display Frequency not correct			
Plugin - Gui - Time Series	FEWS-24854	FEWS 2021.01	FEWS-24538 Apply filter expresssion in edit mode always shows last value, despite filter			
Plugin - Gui - Time Series	FEWS-25231	FEWS 2021.01	FEWS-24538 statistical function normalizedFlow does not correct anymore			
Plugin - Gui - Time Series	FEWS-24856	FEWS 2021.01	FEWS-24538 TSD Shift function does not work - gui does strange			
Plugin - Gui - Time Series	FEWS-24853	FEWS 2021.01	FEWS-24538 white box next to tsd table			
Plugin - Gui - Time Series	FEWS-25022	FEWS 2021.01	FEWS-24538 BMA-SA: Thai chars are not displayed correctly in Time Series Titles			
Plugin - Gui - Time Series	FEWS-24872	FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	FEWS-24538 TDS does not draw when zoomed in too much			
Plugin - Gui - Time Series	FEWS-24142	FEWS 2020.02, FEWS 2021.01	FEWS-23543 TSD setting "Show selected values in legend" should be saved in user settings (SA/OC)			
Plugin - Gui - Time Series	FEWS-24141	FEWS 2021.01, FEWS 2020.02 RWS	FEWS-23543 With "time order reversed" the selected row in the tabel should be the top one by default			
Plugin - Gui - Time Series	FEWS-24910	FEWS 2020.02, FEWS 2021.01	FEWS-23579 missing preconfigured displays			
Plugin - Gui - Time Series	FEWS-24566	FEWS 2020.02, FEWS 2021.01	FEWS-23579 Graph scale unit corrupted when displaying historical event			
Plugin - Gui - Time Series	FEWS-25178	FEWS 2021.01	FEWS-24538 flatlaf white box in TSD statistical functions			
Plugin - Gui - Time Series	FEWS-25126	FEWS 2021.01	FEWS-24538 TSD: line in display groups not shown when also using areas			
Plugin - Gui - Time Series	FEWS-25008	FEWS 2021.01	FEWS-24538 exception: difference plot			
Plugin - Gui - Time Series	FEWS-24670	FEWS 2021.01	FEWS-24538 TSD: difference plot, reference to run unclear			
Plugin - Gui - Time Series Interval Statistics	FEWS-24793	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	FEWS-24538 Error on start of Interval Statistics			
Plugin - Gui - Time Series Interval Statistics	FEWS-24472	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	Interval Statistics do not work with temporary imported data			
Plugin - Gui - Time Series Modifier	FEWS-24658	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2019.02 EA, FEWS 2021.01	IMFS-OC: ValidTime element is not visible in Modifier GUI			
Plugin - Gui - Time Series Modifier	FEWS-25027	FEWS 2021.01	FEWS-24538 timeseries modifier for simulated data shows way too many series			
Plugin - Gui - Time Series Modifier	FEWS-24564	FEWS 2021.01	Index out of bounds when applying mod			
Plugin - Gui - Time Series Modifier	FEWS-24823	FEWS 2021.01	FEWS-24538 table and graph icons in timeseries modifier			
Plugin - Gui - Time Series Modifier	FEWS-25150	FEWS 2020.02, FEWS 2021.01	FEWS-23579 NA Alpha NWS: "Creation time" modifier column will not re-sort			
Plugin - Gui - Topology Editor	FEWS-24340	FEWS 2021.01	TopologyEditor: panel loading crash			
Plugin - Gui - Topology Editor	FEWS-24481	FEWS 2021.01	FEWS-22443 Hanging threads			
Plugin - Gui - Topology Editor	FEWS-25136	FEWS 2021.01	FEWS-22443 TopologyEditor backgroundthread still alive			
Plugin - Gui - Web Browser Display	FEWS-24874	FEWS 2021.01	FEWS-24538 Web browser display is 'on top' (overlapping context menus)			

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Plugin - Gui - Web Browser Display	FEWS-24820	FEWS 2021.01	FEWS-24538 IFD - focus stays stuck on embedded webbrowser display when walking through the topology			
Plugin - Module - Amalgamate	FEWS-25155	FEWS 2021.01	FEWS-24538 Amalgamate gives error Sqlexception 9223372036854775807 not supported, sqlState: null, errorCode: 0			
Plugin - Module - Amalgamate	FEWS-25174	FEWS 2021.01	FEWS-24538 reference to timeseries "null" in amalgamate info message			
Plugin - Module - Amalgamate	FEWS-25261	FEWS 2021.01	FEWS-24538 Amalgate error Oracle database ORA-02292: Integriteitsbeperking (FEWS.FK_TIMESERIES_TASKRUNS) is geschonden - onderliggend record is gevonden.			
Plugin - Module - Archive	FEWS-24109	FEWS 2020.02, FEWS 2021.01	Archive catalog - Error when trying to update the region config with locations and parameters			
Plugin - Module - Archive	FEWS-24715	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2019.02 NA, FEWS 2019.02 EA, FEWS 2021.01	harvester should take size of records into account			
Plugin - Module - Archive	FEWS-24525	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2019.02 NA, FEWS 2019.02 EA, FEWS 2021.01	empty folders are not removed when data is moved to the backup folder			
Plugin - Module - Archive	FEWS-24725	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2019.02 NA, FEWS 2019.02 EA, FEWS 2021.01, FEWS 2020.02 RWS	several small bugs in archive			
Plugin - Module - Archive	FEWS-24795	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	aggregation of location/parameters attributes is not correct			
Plugin - Module - Archive	FEWS-24762	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	Archive data import results in "Array index out of bounds' error			
Plugin - Module - Archive	FEWS-24907	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2019.02 NA, FEWS 2021.01	Archive: 'products' .zip file creation is v........e........r........y........ s........l........o........w........			
Plugin - Module - Archive	FEWS-24965	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2019.02 NA, FEWS 2021.01	states are written multiple times to the metadata-file			
Plugin - Module - Archive	FEWS-25091	FEWS 2021.01	FEWS-24538 IMFS-SA: Archive export returns Null pointer program error			

Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Plugin - Module - Archive	FEWS-23535	FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	Archive seamless integration not working - THREDDS NetCDF retrieval ignores nonProxyHosts jvm option	nonProxyHosts and authenticating http proxies can be used with thredss and the archive server.	nonProxyHosts and authenticating http proxies can be used with thredss and the archive server. To exclude urls from using the proxy, the -Dhttp.nonProxyHosts=http://url1.com|[http://url2.com|http://url2.com/] can be used. In case an authentication proxy is used, the following flags can be used. -Dhttp.proxyHost -Dhttp.proxyPort -Dhttp.proxyUser -Dhttp.proxyPassword if a dedicated proxy is used for https target urls, the https options can be used:	
Plugin - Module - Data Export	FEWS-24736	FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	FEWS-22632 export valueProperties using generalCSV type results in empty column			
Plugin - Module - Data Export	FEWS-23839	FEWS 2017.02, FEWS 2018.02, FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	FEWS-23579 SAMPLES_WQ: um-aquo export gives FATAL error			
Plugin - Module - Data Export	FEWS-23712	FEWS 2021.01	NetCDF export not correct according to CF standards			
Plugin - Module - Data Export	FEWS-25371	FEWS 2021.01	FEWS-24538 Illegal argument Null not allowed for 1st check passed at nl.wldelft.netcdf.NetcdfTimeSeriesSerializer			
Plugin - Module - Data Import	FEWS-24791	FEWS 2020.02, FEWS 2021.01	FEWS-21449 WARN given when CanadaWaterML import finds missing value			
Plugin - Module - Data Import	FEWS-24707	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	LMW import: data with frequency of 1/minute not imported correctly	Import type LMW improvement : sends requests to the sip-lmw server for the exact relative view period		https://publicwiki.deltares.nl/display/FEWSDOC/LMW
Plugin - Module - Data Import	FEWS-25180	FEWS 2021.01, FEWS 2020.02 RWS	Importing NetCDF with multiple location lists does not work			
Plugin - Module - Data Import	FEWS-24655	FEWS 2020.02, FEWS 2021.01	Error MIN_VALUE not allowed for 1st check			
Plugin - Module - Data Import	FEWS-25161	FEWS 2021.01	GeneralCSV time column is required when using seperate year,month, day columns			
Plugin - Module - ForecastLengthEstimator	FEWS-24148	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	FEWS-22671 ForecastLengthEstimator / stateSelection does not progress to subsequent modules			
Plugin - Module - General Adapter	FEWS-24971	FEWS 2021.01	FEWS-24538 HEC-RAS jcef conflict			
Plugin - Module - General Adapter	FEWS-24602	FEWS 2021.01	GA exception runfile			
Plugin - Module - Modifiers (ModuleParameters)	FEWS-24664	FEWS 2020.02, FEWS 2021.01	FEWS-16132 Not clear in Attribute Modifier table that modifiers are deactivated		If a location attribute modifier is not changed while the modifier itself is not activated then user will be asked if the modifier should be activated or not.	

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Plugin - Module - Modifiers (TimeSeries)	FEWS-25212	FEWS 2021.01	FEWS-24538 ArrayIndexOutOfBoundsException HDSR: Historical Analysis Graph			
Plugin - Module - Performance Indicators	FEWS-25216	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	performanceIndicatorSets leadTimeAccuracyIndicator uses simulated historical values multiple times			https://publicwiki.deltares.nl/display/FEWSDOC/10+Performance+Indicator+Module#id-10PerformanceIndicatorModule-modulePerformanceIndicator
Plugin - Module - Reports	FEWS-24405	FEWS 2020.02, FEWS 2021.01	FEWS-23579 Null pointer program error at nl.wldelft.libx.jfreechart.JFreeChartPlus.draw			
Plugin - Module - Secondary Validation	FEWS-24958	FEWS 2020.02, FEWS 2021.01, FEWS 2021.02, FEWS 2020.02 RWS	Exception in secondaryValidation: not for 15th check ...			
Plugin - Module - Spatial Modifiers	FEWS-24780	FEWS 2021.01	FEWS-24538 isolines result in bouding box around grid			
Plugin - Module - Statistics	FEWS-24806	FEWS 2021.01	FEWS-24538 enter value in Difference plot, Display lows below value and Display peaks above value statistics			
Plugin - Module - Statistics	FEWS-24804	FEWS 2021.01	FEWS-24538 one table title missing when multiple locations are selected			
Plugin - Module - Thresholds	FEWS-25260	FEWS 2021.01	FEWS-24538 FEWS-BMA: Threshold check on use of same timeSeriesSet not correct			
Plugin - Module - Transformation	FEWS-23092	FEWS 2021.01	NGMS: skip Transformation on empty output locationSet			
Plugin - Module - Transformation	FEWS-24382	FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	Out of bounds exception in disaggregation-meanToInstantaneous on using 'read complete forecast'			
Plugin - Module - Transformation	FEWS-24751	FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	Illegal method call There is no start time, size == 0			
Plugin - Module - Transformation	FEWS-25154	FEWS 2021.01	FEWS-24538 Illegal argument MONTH: 1 -> 2 passed at nl.wldelft.util.FastGregorianCalendar.computeTime			
Plugin - Module - Transformation	FEWS-25190	FEWS 2021.01	FEWS-24538 IMFS-FSS: No matching TimeSeriesArray found			
Plugin - Module - Transformation	FEWS-24139	FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	IllegalArgumentException while reading cyclic grid time series with single time step			
Plugin - Module - Transformation	FEWS-24811	FEWS 2021.01	FEWS-24538 BMA-SA: Illegal argument MONTH: 1 -> 2 passed at nl.wldelft.util.FastGregorianCalendar.computeTime:446			
Plugin - Module - Transformation	FEWS-25057	FEWS 2021.01	FEWS-24538 Error when writing to non-mirror open database			
Plugin - Module - Transformation	FEWS-25189	FEWS 2021.01	FEWS-24538 IMFS-FSS: Input time series header not found. Possibly due to empty location set			
Plugin - Module - Transformation	FEWS-24919	FEWS 2021.01	FEWS-24538 transformation profile exception on georgian date			
System	FEWS-24890	FEWS 2021.01	FEWS-17002 openDA and FEWS collision			
System	FEWS-24911	FEWS 2021.01	FEWS-23579 Java heap space Out of memory			
System	FEWS-25010	FEWS 2021.01	FEWS-24538 Analysis of the performance comparison results			
System	FEWS-24753	FEWS 2021.01	FEWS-24538 SA: folder drop down of save as menu is too limited at first			
System	FEWS-25017	FEWS 2021.01	FEWS-24538 DelftfewsC.exe gives warning on exceeding maximum classpath size due to too many jar files			

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System	FEWS-24777	FEWS 2021.01	FEWS-24538 At startup splashscreen moves around			
System	FEWS-24746	FEWS 2021.01	FEWS-24538 SA: error at shutdown (shutdown.TempDirUtils.visitFile - Failed to delete temp file)	Failed to delete temp file locked by JCEF browser	Failed to delete temp file locked by JCEF browser. Since the logging of the embedded browser is not under the control of Delf-FEWS, the error is a false alarm.	https://publicwiki.deltares.nl/display/FEWSDOC/24+Web+Browser+Display
System	FEWS-24876	FEWS 2021.01	FEWS-24538 What is "Violated Constraints RBS"?			https://publicwiki.deltares.nl/display/FEWSDOC/19+Module+Run+Table+Display
System - Admin Interface API	FEWS-24389	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	FEWS-23579 MCconfig wil niet inladen			
System - FEWS webservices	FEWS-24334	FEWS 2020.02, FEWS 2021.01	FewsWebservices should provide shortnames of parameters, just like locations			
System - FEWS webservices	FEWS-25160	FEWS 2021.01	FEWS-24538 FewsWebservices does not pick up updated global properties	Updated global.properties not applied immediately by FewsWebServices	Updated global.properties not applied immediately by FewsWebServices. Wiki has been update to describe a tomcat restart is required.	https://publicwiki.deltares.nl/display/FEWSDOC/FEWS+Web+Services
System - FEWS webservices - PI REST	FEWS-25054	FEWS 2021.01	FEWS-24538 PiWebservice: Limit symbol ('detection') missing in response			
System - FEWS webservices - PI REST	FEWS-25311	FEWS 2021.01	FEWS-24538 FEWS-BMA: JSON Webservice does not return Thai characters	PI JSON responses should always encode in UTF-8	The PI JSON responses should always encode in UTF-8. It was using the default encoding of the system the FewsWebServices was deployed to.	https://publicwiki.deltares.nl/display/FEWSDOC/FEWS+PI+REST+Web+Service
System - FEWS webservices - SSD	FEWS-24920	FEWS 2020.02, FEWS 2021.01	FEWS-24538 SSD GetCapabilities NullPointer when no time slider was configured			
System - FEWS webservices - SSD	FEWS-24950	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	SSD Service - overrulingRelativeViewPeriod not taken into account			
System - Logging	FEWS-25142	FEWS 2021.01	FEWS-24538 hsqldb synchronisation strands on audit log entry			
System - Patching Mechanism	FEWS-25270	FEWS 2021.01	FEWS-24538 Build time in patch manifest should be in UTC			
System - Rootconfiguration and User Settings	FEWS-24648	FEWS 2020.02, FEWS 2021.01	User_settings.ini qualifierTree CheckBoxSelection			
System - Rootconfiguration and User Settings	FEWS-25125	FEWS 2021.01	FEWS-24538 Corrupt user_settings.ini prevent opening (grid) display			
System - Rootconfiguration and User Settings	FEWS-25119	FEWS 2021.01	FEWS-24538 ClientConfig.xml can not handle (directory) references anymore			
Third Party	FEWS-24724	FEWS 2021.01	FEWS-24538 Upgrade jackson-databind-2.9.7.jar			https://nvd.nist.gov/vuln/detail/CVE-2019-14892
Water Coach	FEWS-24835	FEWS 2020.02, FEWS 2021.01	FEWS-24538 WC: can not select scenario and script			
Water Coach	FEWS-24836	FEWS 2021.01	FEWS-24538 WC: skip button does not work when clock is paused			
Water Coach	FEWS-24609	FEWS 2021.01	WaterCoach: LDS scenario wordt op een verkeerde plek gezocht			
Water Coach	FEWS-24983	FEWS 2021.01	WaterCoach: systeem tijd wordt niet naar watercoach/scenario tijd gezet			

Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation
Water Coach	FEWS-25035	FEWS 2021.01	FEWS-24538 WC: displayStart does not shift Current System Time		Tested with patch 103220 and the Noordzee config. \<displayStart\> element from script_config.xml does shift the time in the (floating) WaterCoachDisplay, but it doesn't shift the CurrentSystemTime. See attached screenshot, and the dataStart and displayStart as configured in the script_config.xml \<dataStart date="2013-12-05" time="00:00:00"/\> \<dataStop date="2013-12-07" time="23:00:00"/\> \<displayStart date="2020-11-23" time="14:00:00"/\>	
Water Coach	FEWS-25105	FEWS 2021.01	FEWS-24538 WC: \<workflow\> element in script_config does not validate			