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Galaxie Chromatography Data System

**Version 1.9 SP2
Release Notes**

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What's New in Galaxie CDS Version 1.9 SP2B

Channel selection in a REPL

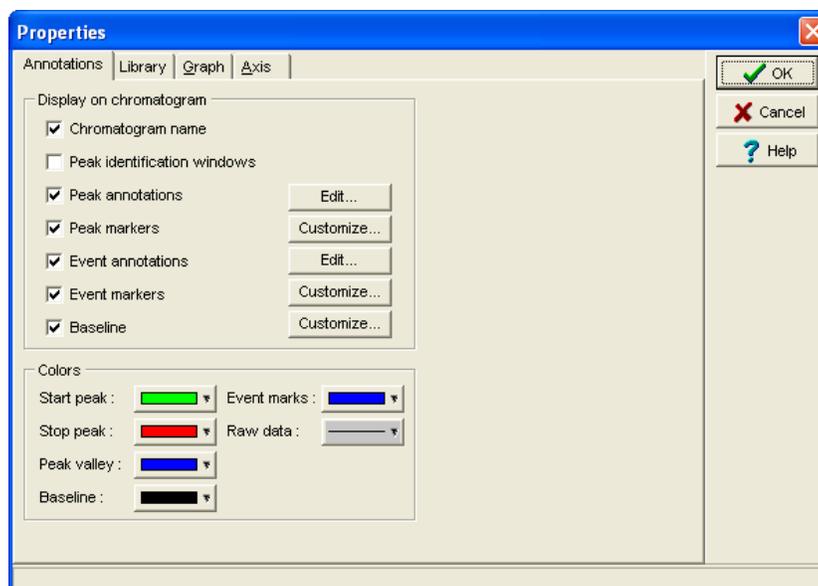
A new option '*Channel selection*' has been added to the reprocessing list, allowing the user to select the channels he wants to reprocess. For example for a system with 2 channels, the user will be able to reprocess only the channel 1 of all the listed chromatograms of the reprocessing list.

Save Chromatogram Method

When doing a '*Save Chromato Method*' from a chromatogram the acquisition parameters of the chromatogram overwrite the acquisition parameters of the mother method. It is no more the case: the acquisition part of the mother method is not modified when saving a Chromatogram method except the sample properties and the Working scale parameters.

A new option 'Chromatogram name' has been added to the chromatogram

A new option 'Chromatogram name' has been added to the chromatogram properties screen, allowing the user to copy/paste the chromatogram picture without the chromatogram name.



If printing chromatogram(s) from the workspace, this option is also applied. It is nevertheless not taken into account when printing a chromatogram by using a .STYL report .

Sequence: have the possibility to activate or not the automatic 'save sequence'

Since the 1.9 version release, an option has been introduced, saving automatically a sequence with a time stamp each time the sequence was running. This option was introduced to allow the user:

- To sign a batch of chromatograms, which names are generated by a *token*, from a *sequence*.
- To create a reprocessing list from a sequence, when the sequence was run as a *remote sequence* and used *token chromatogram name*.

This option was confusing for users that do not use token to generate chromatogram name or do not sign electronically chromatograms in batch from a sequence. It is now possible to activate or not the automatic generation of sequences with time stamp, by selecting or not the right '*Enable automatic save*' in the User profile / Sequence section. By default this right is deactivated.

Multi channel method

When opening a multi channels (or multi injectors/channels) method with deactivated channels, the focus was always applied on the first channel, even if it was deactivated. Now the focus is applied on the first activated channel of the method.

CommEngine_Layer_RS232_INTERFACE.lyr

When connecting a RID or ELSD to a 800MIB, 850MIB or 900LC, the signal was bad quality.

This issue has been resolved in the new CommEngine_Layer_RS232_INTERFACE.lyr file, installed by the Communication Engine patch 1.9.302.800

This correction includes a new parameter for the RS232_INTERFACE bus creation (for an ELSD 2100 or 356-LC RID): the Autoread setting must be set to Short Frames. More details are available in the Installation Guide.

Reason and Comment for system change in Configuration Manager

When configuring a system (displaying the instrument parameters screen), and that the 'Add mandatory reason for change' and 'Add mandatory comment for change' options are checked in the admin profile of the connected administrator, a screen is now displayed to allow the administrator to specify a reason and a comment.

Variables displaying the method name and the method version used for acquiring a chromatogram

Two new Global System variables have been added: **Acquisition Method Name** and **Acquisition Method Version** that display respectively the name and the version of the method used for acquiring the chromatogram.

Automatic Validation program installation

The Validation program is installed automatically on Server and Client stations during Galaxie installation. The 'Validation' option has then been removed from the Galaxie Master.

What's New in Galaxie CDS Version 1.9 SP2A (Patch for 1.9SP2 only)

PDA issues

Following issues have been fixed:

1. It was not possible to print spectra from the spectra view, the spectral library, or the spectrum calculator.
2. In the peak purity properties: the ratio chromatogram chart was not displayed properly, although well printed.
3. The bandwidth option while extracting a chromatogram from a DAD was not correctly taken into account. This occurred when the sampling rate was not constant.

Peak deletion in result table when calibration curve is missing

When the calibration curve did not exist and a peak was manually removed from the peak result table, then the peak user variables were wrongly computed.

Now, in the same situation, the peak quantities and all depending variables are reset to 0. A warning explaining that these values are not computed has been added in the audit trail.

Save Chromatogram Method on dual injector system

When doing a Save Chromato Method from a chromatogram acquired with a dual injector system, the second injector was deactivated in the method. Therefore, any acquisition made from the method after while was made without using this second injector.

Problem has been fixed, and any Save Chromato Method operation does not modify the injector activation status in the method (wherever it was activated or deactivated).

What's New in Galaxie CDS Version 1.9 SP2

Galaxie compatible with Windows Vista

- Galaxie 1.9 SP2 is running under Windows VISTA (Enterprise and Business).
- The PDF component has also been modified to be VISTA compatible.
- The Galaxie Diagnosis tool is VISTA compatible

Galaxie on virtual Machine (VMWARE)

Galaxie 1.9 SP2 installation can be virtualized with VMWare Server (VMWare ESX server 3.5). A complete description of the validated configuration is described in the Galaxie Installation Guide.

New Profiles creation

3 new profiles are automatically created in the configuration Manager when installing Galaxie 1.9SP2 for the first time. Those profiles are not created when updating an existing Galaxie installation.

Those 3 profiles, named Validate1, Validate2 and Validate3 can be used to run the Operational Qualification (OQ) of Galaxie.

Work scale and blank subtraction

In the previous versions of Galaxie, if a method contained a blank subtraction in the *Pre-processing* section and a customized work scale in the *Acquisition* section, this customized work scale was applied only in the acquisition view. When the run was ended, the chromatogram was open with the default "Autoscale" mode.

This issue is now fixed and both features can be used simultaneously.

File run length and blank subtraction

In the previous versions of Galaxie, the blank run length could not be shorter than the chromatogram one. In this new version, the blank run length can be shorter, equal or longer than the chromatogram one.

If both files have the same run length (i.e. same number of datapoints), the behaviour remains unchanged.

If the blank is shorter, the subtraction is done on a point to point basis and the last X points of the datafiles do not have anything subtracted. In the audit trail event log, a line is added to inform the user that the blank subtraction could not be applied on the complete chromatogram.

If the blank is longer, the subtraction is done on a point to point basis and the last X points of the blank file are not used. In the audit trail event log, a line is

added to inform the user than the number of datapoints of the blank file is greater than the chromatogram one.

Improve Validation program

The validation program used to qualify Galaxie installation (IQ) has been improved to be Vista compatible.

In order to perform a validation of Galaxie after the migration to 1.9 SP2, it is necessary to launch again the setup of the Validation program and perform a "Repair" to migrate this tool.

Nxdbworksettings corruption

In the previous versions of Galaxie, sometimes after a reboot of the computer, at the first Galaxie connection we get a Nxdbworksettings file corruption error message. This problem was corrected in 1.9 SP2.

Export on Excel 2007

In the previous versions of Galaxie, the export in EXCEL 2007 format, was not supported: when opening the exported file, a message asked for file conversion. The problem is solved in 1.9 SP2.

Text and Label objects printing

In the previous versions of Galaxie, when printing a *Text* or a *Label* object containing a great number of characters (without return to line defined), the text was cut (only one line was displayed) in the print preview and in the printed report. In the 1.9 SP2, automatic returns to line have been defined. The height of both *Text* and *Label* objects is adjusted according to the text length.

Chromatogram object printing

In the previous versions of Galaxie, when printing a *Chromatogram* object configured with a Yscale equals to a percentage of the Xth highest peak, the Y scale was incorrect for Sliced peaks (peaks defined by Slice peak integration event). The scale is correct in 1.9 SP2 when using both *Slice peak* and *In Slice peak* integration events.

Workspace: comparison mode

In the previous versions of Galaxie, If opening a multi channels chromatogram, and applying the comparison view mode from the workspace when another channel than the first one is selected as comparison file, you will get an error when closing the file and opening a single channel chromatogram (or a chromatogram that contains a number of channels inferior to the channel number selected in the comparison view). The problem has been corrected in 1.9 SP2.

Improve design

- Remove the scrolling list in the report editor part of the method.
- Improve the order of the field selection in the acquisition screens of the method and the quick start, when using the tab key to switch to one field to another.

Fix memory leaks and communication errors

- In the previous versions of Galaxie, when running long sequences, we have noticed a huge memory leak in the AcqCommEngineSvr.exe (about 6 MB / day). The leak has been removed (<1%).
- Sometimes we get Exception error, especially when using the Scheduler application. A correction was done on the AcqManSvr.

Thread Creation Error or Galaxie Random Freezing

On some computers (especially multithreading or bi-processors ones), when doing a few print previews (from 1 to 30) or print actions, either Galaxie freezed or you got a 'Thread Creation Error' when trying to open a file. Other error messages were also possible and this issue lead to a potential instability of the software. The problem has been corrected in 1.9 SP2.

File not processed after run

On dual injectors systems, equipped with one autosampler and embedding a manual injector, if only one of the 2 injectors was checked, the corresponding chromatogram was randomly not processed after the acquisition. The problem has been corrected in 1.9 SP2.

Release Notes

General Notes

Installation

Before installing Galaxie, check that the 'File and Printer Sharing for Microsoft Networks' component is installed. This component is listed in the network connections properties.

With Windows 2000, the setup may be blocked after the automatic reboot of the computer, before the displaying of the congratulations screen (blue screen with an hourglass). In order to complete the setup, use the Alt + Tab keys.

When Internet Explorer 7.0 is installed on the host computer, at the end of Galaxie installation, the InstallShield wizard hangs up and pressing the Finish button does not close the wizard. The only solution is to use Windows task manager and to kill the Setup.exe applications.

You may have the following error after installing Galaxie and rebooting the computer: 'unhandled exception error number 0x80040707'. That means there is a missing or invalid path in the registry. These registry entries need to be fixed in order to complete installation successfully. See the following link for more details on how to solve this InstallShield issue: <http://consumer.installshield.com/>.

It is strongly recommended to reboot the computer at the end of the installation.

If the Amyuni PDF driver is failing to install ('spooler error'), locate the file PDFprinter_install.exe in the Galaxie\client folder and add the -p flag (PDFprinter_install-p.exe) before re-executing the installation. The -p option prevents the install utility to try stopping and restarting the spooler.

In very rare cases, the interface service does not install correctly after uninstalling a previous version. As a consequence, an error window will be displayed regularly when selecting the interface supervisor tool from the Configuration Manager.

Workaround: End the ConfigManager.exe task from the task manager. Then reinstall the service by typing: interface_service /reinstall in a DOS window.

Check all Galaxie applications are closed before doing actions such as repair, modify or remove.

When working in client/server configuration, we recommend that all client workstations be synchronized to the server date and time.

The Configuration Manager audit trail is not automatically archived when uninstalling the software. If you need to recover the audit trail, archive the current audit trail before uninstalling Galaxie.

Virtual Memory on Acquisition Servers

Depending on the number of systems you will run simultaneously, you will need to set up more or less virtual memory. The following values are usually required:

Number of System(s)	Size
1	256 (MB)
4	512 (MB)
8	1 Go

The more RAM you have, the faster the system will operate.

Windows 2000

- Select the *START / SETTINGS / CONTROL PANEL* menu.
- Double click on the *System* icon and select the *Advanced* tab.
- Press the *Performance Options* button.
- Press the *Change* button in the Virtual Memory field. A new screen will appear that allows you to define the virtual memory values.

Windows XP Professional

- Select the *START / CONTROL PANEL* menu.
- Double click on the *System* icon and select the *Advanced* tab.
- In the Performance section of the dialog window, click on the *Settings* button.
- Click on the *Advanced* tab.
- In the Virtual memory section of the dialog window, click on the *Change* button.
- In the Drive list, select the drive to be used for the paging file.
- In the Paging file size for selected drive section of the Virtual Memory dialog window, click on the *Custom size: radio* button.
- Enter the initial size and maximum size of the paging file.

Windows 2003 Server

- Select the *START / CONTROL PANEL* menu.
- Double click on the *System* icon and select the *Advanced* tab.
- In the Performance field, press the *Settings* button.
- Press the *Advanced* button in the *Performance Options* window.
- Press the *Change* button in the Virtual memory field. A new screen will appear that allows you to define the virtual memory values.

NOTE: For most installations, the best Windows performance occurs when the minimum or initial size of the virtual memory is set to the same value as the maximum size.

Windows 2000, Windows 2003 Server and Windows XP Professional Operating System

Potential network problems (for client/server installation only):

When working under Windows 2000, Windows 2003 Server or Windows XP Professional, do not check the option 'Allow the computer to turn off this device to save power'. To access this option in Windows 2000, right click on *My Network Places* and select *Properties*. Then right click on *Local Area Connection* and select *Properties*. Press the *Configure* button. Select the *Power Management* tab.

To access this option in Windows XP Professional or Windows 2003 Server, select the *START / CONTROL PANEL* menu. Double-click on *Network Connections* in the Control Panel window. Then right click on *Local Area Connection* and select *Properties*. Press the *Configure* button and select the *Power Management* tab.

Screen Savers and Power Management

It is recommended to disable all the screen savers, especially on the servers (main server and acquisition servers). It is better to use the Windows energy saving feature for the monitor.

It is strongly recommended to disable all the power management properties (Standby/Hibernates).

Notes on Galaxie Chromatography Data System

General

When backing up the Galaxie files, do not back up the \SERVER directory (including its subdirectories). Doing so will cause the loss of chromatogram files (*.DATA) that were acquired while the backup was being done. It is also recommended to avoid backing up too recent Galaxie Data files (< 5 hours).

It is advised to not let a cursor within a grid (sequence, identification table, integration table, reprocessing list) when exiting Galaxie or closing files. If it is the case you can get the following error message 'Cannot focus a disabled or invisible window'. This message has no consequences, so if you get it during the time sequence is running, you can let the sequence terminate before closing Galaxie.

Acquisition

If the administrator modifies the configuration of a system in the Galaxie Configuration Manager (for example, renames a detector, adds or removes a detector, etc.), the methods created before the system configuration modifications will be invalid for acquisition (quick start or sequence). The user will have to create new methods.

If the administrator creates, deletes or modifies the name of a system while a user is already connected in a group/project owning this system, it is necessary to log in again in Galaxie to be able refresh the system list.

Acquisition Server

If you need to reboot the acquisition server, be sure no systems using this server are running or displayed in the Systems tab of any client.

Calibration Curve

When working in concentration versus response mode, the format modification functions in the calibration curve table are inverted: when you choose to change the Quantity variable format, the Area/Height format is changed and when you choose to change the Area/Height format, the Quantity one is changed.

Chromatogram

When a sequence or a reprocessing list is open, if you display the chromatogram data section and then click on the sequence (or reprocessing list) in the browser, the chromatogram trace will not be redisplayed when the chromatogram data section is reselected.

Workaround: click on the *method* section of the chromatogram and then select the data section to refresh the screen.

The event annotations are not correctly displayed on the chromatogram after extracting an archived data version (get archive option).

Workaround: click on the *integration method* sub-section to refresh the display.

A calibration curve is created by a user owning the archive calibration curve profile. This curve is cleared and a new point is added by a user that does not own the archive calibration curve profile. Then the user that owns the calibration curve profile reprocesses a chromatogram (F6) with the current curve and then with (F5), the results change because the last archive is used instead of the current one. The workaround is that the last user (archive calibration curve) must save the calibration curve before recalculating the results by (F5).

Suppose a standard chromatogram contains 3 identified and quantified peaks named A, B and C. The user has the 'Use M and D factors for curve building' profile. Peak C is processed as peak A ('Use References' option checked in the calibration table). When both conditions are used, peak C quantity will be $Qeq * M/D$ instead of Qeq (with Qeq : quantity calculated according to the calibration curve equation).

Workaround: create the following variable:

QTY REC: peak user formula, real.

$QTY\ REC = IF((NAME='X');QTY * DIVFACTOR / MULFACTOR;QTY)$, with $X=C$ in this example.

When the user does not have the right to overwrite data and the data file name already exists, a date/time suffix is automatically added. This timestamp is always with the English date/time format: Month2_Day2_Year4 whatever the regional settings of the PC is.

Electronic Signature

When you have validated your signature in the user identification for sign-off window, press the *Close* button to exit the window and not the 'X' button in the upper right corner of the window. For this operation, the Windows 'X' button is the same as the Cancel button. If the Windows 'X' button is used, the signature will not be applied.

Suppose the user has the batch sign at once profile and a chromatogram has been excluded mistakenly from the list of files to be signed, it is then impossible to sign the corresponding chromatogram.

File Import

If you open a CDF file and single reprocess it (F6 function) with an external method, no preview is available when selecting the resulting DATA file in the open file window and the absorbance values are null.

Workaround: after opening the cdf file, save it before reprocessing it.

More generally when importing an AIA file (.CDF) or a Star Workstation chromatogram (.RUN), save it before reintegrating it or reprocessing it.

Method

When you print the control method, a blank page is printed at the end.

The control parameters are not printed if you open a chromatogram or a method and then change some method parameters (integration events for instance) before printing.

Workaround: save the method (or chromatogram) before printing.

Only methods created in the project in which the current user is logged are available in the sequence or quick start wizard. If a method created in project 1 is saved as another name in project 2, when logged in project 2 this new method will not be displayed in the sequence and quick start screens.

Method Templates

When creating a new method from template, some acquisition parameters are not imported from the template (run name, run ID, description, vial and rack numbers, injection volume, run length, dead time, specific channel option).

Do not uncheck channels or injectors before saving a method as template.

Open File

In the chromatogram open file, only the first line of the run information is displayed in the information field.

PDF Export Plug-In

If the PDF Export plug-in needs to be used with the remote sequence, modify the external sequence engine service of the Galaxie system to run as following:

From Windows, select Start/Control Panel/Administrative Tools/ Services

Locate the service named 'External Sequence engine – SYSTEM_1' (if the Galaxie system to run is SYSTEM_1).

Right-click on this service and select 'Properties', then select the Log On tab.

Select the 'This account' option and select the account information (account name, password and password confirmation) for the account that will be used to start the service. Note that this account should have a default printer defined and a non-blank password.

In the main Services window, right-click on the service that was just modified and stop it so that the changes are taken into account next time the service is started.

Prep-Ahead

Suppose the prep vial number entered in the sequence is N. The real prep vial number taken into account will be N-1.

Using multi-injection per line is not possible in the sequence when working with prep-ahead.

Quick Start

It is not possible to add a summary report (with the add button) from the quick start screen.

For multiple injector systems, the export is always performed at the end of the quick start, even though this option has been unchecked in the method properties.

Remote Sequence

After a new session, no system will be displayed when trying to create a new sequence from the remote sequence manager. Opening an existing sequence will also not be possible.

Workaround: exit the remote sequence manager and change the session from Galaxie.

If report printing is done while running remote sequences check that the following security permissions are present in the default printer properties:

NETWORK	Print
SYSTEM	Print
INTERACTIVE	Print

Check also that the DCOM settings are correct for the W2AutomationEngine object: it has to be started as interactive user (in the *Identity* tab of its properties).

If both conditions are not met, calculations including report printing will not be performed at the end of the acquisition and the remote sequence service should be stopped to be able to start another remote sequence.

It is not recommended to stop a remote sequence while the corresponding system is in detection/download/pre-run or waiting for injection step.

Reprocessing List

If the chromatogram does not contain an acquisition method section (AIA files imported in Galaxie, etc.), the method name used to reprocess this data will not be automatically imported in the reprocessing list. You must load it manually.

The only way to stop a reprocessing list with the bracketing option checked is to close it. The stop button is not available during the calculation step.

Do not use the fill block option while the processing list is running. More generally, use the pause option to make any changes when the reprocessing list is running.

Assume several chromatograms (A, B, C and D) have been reprocessed with A as a blank and the other ones as standards. Then some of them were modified, the changes were saved, and they were imported into a reprocessing list after sorting them by the modification date in the file open window (for example: D, C, B and A). In the reprocessing list, the files will be displayed in the same order; D, C, B and A, but A will be identified as an unknown instead of a blank. After restoring the initial order (A, B, C and D), redefining the correct sample type for chromatogram A, and running the reprocessing list, it appears that the blank chromatogram subtracted for chromatograms B, C and D is not A.

Reprocessing Single

When manual operation (manual integration or manual identification) has been performed, do not change chromatogram properties (M, D, internal standard quantity, ...) directly from the reprocessing single screen. Firstly, change the required values from the chromatogram itself (by using the chromatogram properties button), then select the reprocessing single option and reprocess the chromatogram.

Assume at least two chromatograms (A and B) are opened and are using the internal standard calibration mode. Chromatogram A is selected from the browser. In the reprocessing single window, after selecting chromatogram B and pressing the properties button, it is not possible to enter the internal standard value (the field is grayed out). The workaround is to close the reprocessing window and to select chromatogram B. Then it will be possible to edit the internal standard field directly from the reprocessing window.

Sequence

If a cell in the 'number of injections' column (displayed in second position after the 'Run#' column) is selected (without putting the cursor in it) and the value 0 is entered, Galaxie will be frozen. You must end the task to restore Galaxie CDS operation.

Do not use the copy and paste commands to duplicate the calibration cell content. If you select another file in the browser or open another file, an error will appear. The workaround is to use the fill block feature.

When using XP theme, the first time the method cell is selected, an empty list will be displayed. The workaround is to select the method again.

On a system with two injectors, if you uncheck one of the injectors and restart the sequence by overwriting the data files, a second injection date (corresponding to the acquisition date of the active injector) will appear in the run log screen (available in the acquisition sub-section of the chromatogram method). This second date is only displayed for the files that are associated with the injector that is not active.

For multiple-injector systems, select the required sub-system to create fill blocks.

When multiple injections are defined per line, if you want to make fill blocks or disable a line:

- First, define 1 as number of injections and make the required changes
- Then enter the desired number of injections.

Otherwise the changes will only be applied on the first injection of the given run.

When several injections are defined per line, do not use the arrows to validate the entries in the No of injections column. It may induce a double numbering of the line index column when printing the sequence.

The processing parameters (pre-processing, integration, identification, calibration...) are disabled in the method properties and are also applied at the end of the acquisition. This is a normal behavior to ensure coherence between the chromatogram method and the results.

When renaming an existing project from the Configuration Manager, the old methods are no longer available from a sequence created before the project is renamed. The workaround is to create a new sequence.

Star Files Import

Star files acquired with a 9065 cannot be imported in Galaxie.

When importing a Star Workstation chromatogram (.RUN), save it before reintegrating it or reprocessing it.

If groups are defined in Star files, when importing them in galaxie, groups are listed in the Peak identification table and not in the Group identification table. They keep the correct name and the retention time are equal to the midpoint of the group window.

Summary Report

An extra-printing may occur during the sequence in the following conditions:

- The 'print after a new warning' option has been configured
- a warning in the sequence generates the printing of the summary report.

This extra-printing will be performed at the end of each following acquisition only if the chromatogram corresponds to a sample type that is not automatically added into the summary report.

Do not reprocess several times the same chromatogram within a reprocessing list with the same method including the same summary report.

It is highly recommended to define the summary report name directly in the method (summary report sub-section) rather than defining its name directly from the method properties screen in the sequence (or reprocessing list).

Suitability Tests

The sample type is taken into account for the suitability actions only that means a result is computed for each suitability test whatever the sample type is. This is a normal behavior.

Temporary Files

The *.DEC files can be deleted manually. One DEC file is created per sequence. The deletion has no impact on the normal use of the software. These files are normally stored in C:\WINNT or C:\TEMP. Use the Start/Find option to be sure to find all the *.DEC files.

Variables

The Deltat variable (1/acquisition rate) is displayed with 2 decimals in the chromatogram properties. Depending on the acquisition rate, 0.00 may be displayed. The workaround is to create a new global user formula variable (formula: = DELTAT) and to select more decimals to display.

The value of the Samplename variable is always N.A. A workaround is to use the Runname variable that corresponds to the chromatogram's name instead of this one.

It is not recommended to change the type of a user formula variable as results are not automatically updated after a reprocess (F6). The workaround is to reintegrate (F5) the chromatogram before.

Workspace

If opening a PDA chromatogram, and selecting the Spectrum view, it is advised to not search a peak via 'find peak' option of the workscale, otherwise you will get an error message.

Notes on Galaxie Report Editor

Open File

Use the Open button to open a report style. Double-clicking on the file name may cause some coordinates to be changed.

Chromatogram

The default format for peak and group reports corresponds to the one defined in the chromatogram whereas the chromatogram default format corresponds to the software one.

Printing the Method

Peak user-input variables applied to data are not saved within the method, and therefore are not printed in the Chromatogram Method Report.

The reference column is always printed as part of the peak identification table in the Chromatogram Method Report. If no reference peak is defined, the column will be printed with the header: 'Ref?', but left blank.

PDA

If printing a 3D object, the parameters (background, label, palette, axis, jet) are not taken into account.

Notes on Galaxie Configuration Manager

General

When the NexusDB Server service has been stopped for any reason on the Galaxie server, it should be manually restarted otherwise it will not be possible to log in the Configuration Manager.

The following limitations are present in the Configuration Manager compared to versions prior to 1.8:

- Group, project, user, user profile, administrator profile, system and station names do not exceed 40 characters.

- User initials do not exceed 4 characters.

- Accents, parentheses, ' ', '^', 'µ', or 'µ' characters are forbidden in item names (group, project, user, profile, system and station).

- Parentheses are also forbidden in injector and detector names.

These limitations have been added to fix or prevent some potential problems.

Note that during the 1.9 migration, an admin profile named 'Adminprofile_USER NAME' will be created for all users that have administrator rights. Check also

that these admin profiles will not exceed 40 characters else rename the user before migrating.

Configuration

After changing some parameters from the Configuration menu (security, electronic signature.... Parameters), it is recommended to exit Galaxie and to login again instead of selecting the Session/New Login option.

By default a Group1 is created, a default template path is defined in its properties: c:\galaxie\data\template, but the corresponding directory does not exist on the server. The consequence is that if working in client/server configuration, and creating a method template from a client station, the template method will be created in local on the client computer. The workaround is to edit the group1 properties, and answer yes to the message prompting the user to create the template path.

Printing System Configuration

When you print the system configuration, an additional blank page is printed.

Station

As soon as a station has been declared as acquisition server, it is not possible to delete it even though no system is declared on that station. The workaround is to edit the station properties to uncheck the acquisition server option, then to delete it.

System

When renaming some channels, detectors are not sorted by alphabetical order in the system tree view. Moreover when creating a system with several injectors and detectors, they are not sorted by alphabetical order before the database is refreshed (F5).

When some drivers have been updated, the corresponding devices version may not be refreshed properly in the system properties. The workaround is to refresh the view (F5).

System Properties

When you change the system name or the signal unit in the configuration manager, you need to restart the Galaxie Chromatography Data System session to update the acquisition window. Otherwise, the old name and unit will be displayed.

Users

Defining several times the same user with different profiles in a given group/project is not possible.

Notes on Galaxie PDA

Export

If the I/O error 103 message appears when exporting a spectrum, check that the user has write rights on the folder where the spectrum is exported.

Method

It is not possible to apply the 'save method as' on a PDA method containing extracted channels. The following error message is displayed: chromatogram and method files are not compatible. A method file is nevertheless created, but it does not contain the extracted channels.

It is not advised to save a PDA method containing extracted channels as a template, because it will not be possible to create a new method from this template.

The run time variable value is zero for extracted channels.

Suppose a system with a PDA detector and at least one UV detector has been created. When some channels have been extracted from the 3D detector, It is not possible to start an acquisition on the UV channel only (by un-checking the spectrum part of the method). The current workaround is to remove the extracted channels first and then uncheck the spectrum part of the method.

Reprocessing list

Suppose a method with at least one extracted channel has been used to acquire a chromatogram. When this chromatogram will be imported in the reprocessing list, two lines will be added: one for the PDA channel and another one for the extracted channel. Thus, the extracted channel will be processed twice (the first time during the processing of the PDA channel and the second time during the processing of its own line in the reprocessing list). As a consequence, if the chromatogram is a standard, two points will be added in the calibration curve. To avoid this behavior, uncheck the line corresponding to the extracted channel in the reprocessing list.

When at least one channel has been extracted during the acquisition, it is impossible to select and reprocess other 2D extracted channels (extracted from the chromatogram after the acquisition).

Workaround: remove the channel extracted during the acquisition and extract it again then save the chromatogram. It is now possible to select it from the chromatogram channel column of the reprocessing list.

Spectrum Library

If some spectrum description contains more than one line, this description is truncated in the spectra table, when printing the spectral library report.

Spectrum Printing

By default the red color is used for spectra and some of them may not be printed with some black and white printers. This concerns:

- spectra that are printed directly from the spectrum view,
- spectra that are printed from the spectrum generator window,

- the unknown spectrum from the library search result: in that case, the workaround is to change the color of the unknown spectrum from the library search object properties (in the report editor).

Notes on Galaxie Demo version

When installing the Galaxie Demo version 1.9 SP2, the following message can be displayed:



Click on the Close program button. The installation is completed.

Notes on FUSION AE plug in

To ensure the usability of FUSION AE, please copy the GalaxieJNI.dll file located in the Updates/Fusion AE directory of the Galaxie CD and paste it in the Windows/system32 directory of your computer.

Compatibility between Galaxie 1.9 SP2 and Drivers

The following driver version must be used with Galaxie 1.9 SP2:

Driver	Version
PS 701	≥ 1.14.1.1
CTC CombiPAL	≥ 1.10.2.1
AS-8200	≥ 1.9.1.1
CP-3800 GC	≥ 1.12
Perkin Elmer HS-40	≥ 1.8.1.1

Upgrade Notes

Upgrading from Galaxie CDS Ver. 1.7 to Ver. 1.9 Client/server

To upgrade a Galaxie CDS Version 1.7 system to Galaxie Version 1.9, please follow this procedure.

Before installing Galaxie Ver. 1.9, check that the 'File and Printer Sharing for Microsoft Networks' component is installed. This component is listed in the network connections properties. If it isn't installed, please install it before continuing. Check also that there is only one network card enabled on the PCs.

Logon as a local Windows administrator.

Stop all the acquisitions performed on the station to upgrade if it is an acquisition server.

If working in client server configuration, shut down all the clients and the server stations. Upgrade first the server, then the clients.

It is **MANDATORY** that the directory of the new Galaxie Version 1.9 is the same as the directory of the old Galaxie version, the ability to choose the Galaxie folder is disabled when performing an upgrade.

1. Upgrade of the Galaxie Server

-Backup the following files:

Galaxie/server/GALAXIE_BASED.ddb

Galaxie/server/DATA_SHARED directory

Galaxie/server/DRIVERLIST.ddc

Galaxie/server/CFG directory

- If using the BOOTP server: save the following file on the computer that owns it (usually the server): \\WINNT\System32\BOOTPSERVER.CFG or \\Windows\System32\BOOTPSERVER.CFG.

- Start the setup of Galaxie 1.9. The Galaxie setup will detect the "old" Galaxie version.

- The setup will now uninstall the previous Galaxie version.

- Reboot the server.

- Start the setup of Galaxie 1.9 again and install the new GALAXIE Version 1.9 as a main server.

- Reboot the server.

- The old database will be migrated during the restart of the install.

- Restore the "BOOTPSERVER.CFG" file that was previously saved.

- Check the DCOM settings.

- Reboot the server.

2. Upgrade of a Galaxie Client and Acquisition Server

-Backup the following files:

Galaxie/server/DRIVERLIST.ddc

Galaxie/server/CFG directory

- If using the BOOTP server: save the following file on the computer that owns it (usually the server): \WINNT\System32\BOOTPSERVER.CFG or \Windows\System32\BOOTPSERVER.CFG.

- Start the setup of Galaxie Version 1.9. The Galaxie setup will detect the "old" Galaxie version.

- The setup will now uninstall the previous Galaxie version.

- Reboot the computer.

- Start the setup of Galaxie again and install the new Galaxie Version 1.9 as a client and acquisition server.

- Reboot the computer.

- Restore the "BOOTPSERVER.CFG" file that was previously saved.

- Check the DCOM settings.

- Reboot the computer.

NOTE: After the database migration, check that all associations are correct.

3. Upgrade the drivers

Start the set up of the desired drivers on the Galaxie server station. Enter the corresponding serial number during the install.

The Varian LC driver, Varian Micro-GC driver and Agilent LC driver sets **MUST** be upgraded or installed on all the acquisition servers that will control Varian LCs, Varian Micro-GCs or Agilent LCs. The other driver sets only need to be upgraded or installed on the main Galaxie server. The upgraded drivers will be downloaded to the acquisition servers when the acquisition servers connect to the main Galaxie server.

Upgrading from Galaxie CDS Ver. 1.8 to Ver. 1.9 Client/server

This chapter will describe the steps to upgrade a Galaxie CDS Version 1.8 system to Galaxie Version 1.9.

Before installing Galaxie Ver. 1.9, check that the 'File and Printer Sharing for Microsoft Networks' component is installed. This component is listed in the network connections properties. If it isn't installed, please install it before continuing. Check also that there is only one network card enabled on the PCs.

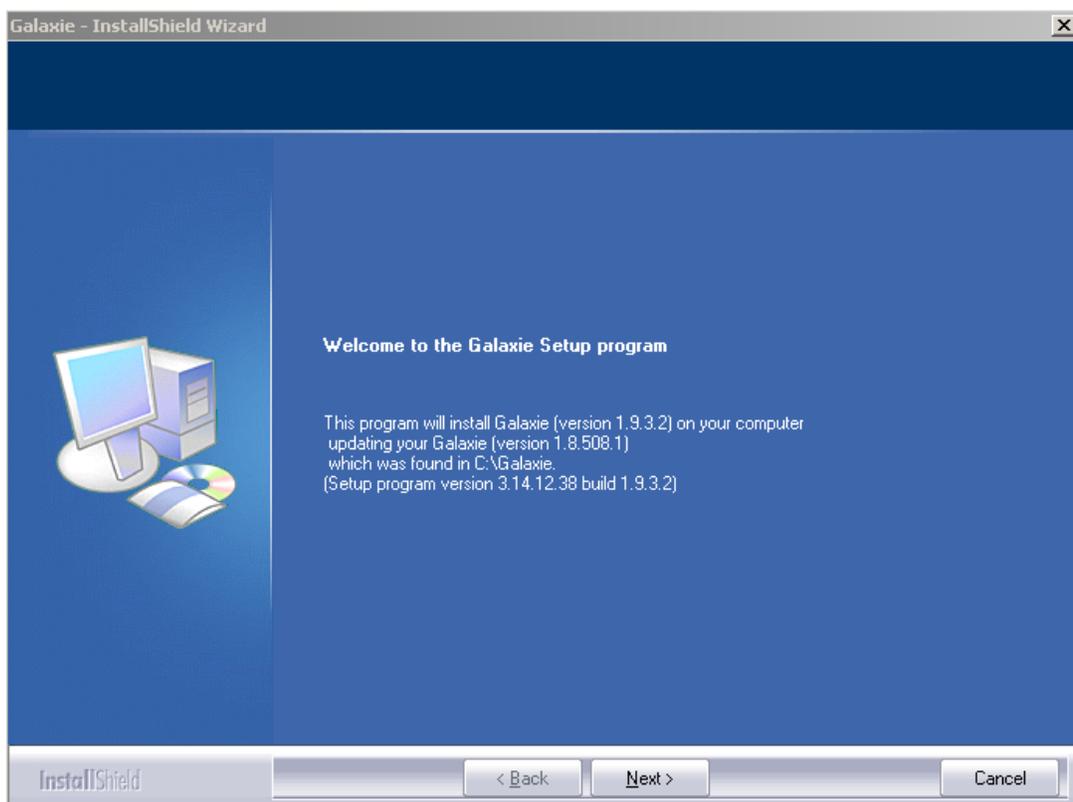
Logon as a local Windows administrator.

Stop all the acquisitions performed on the station to upgrade if it is an acquisition server.

If working in client server configuration, shut down all the clients and the server stations. Upgrade first the server, then the clients.

It is MANDATORY that the directory of the new Galaxie version is identical to the directory of the old Galaxie version, the ability to choose the Galaxie folder is then not provided when performing an upgrade.

Start the setup of Galaxie 1.9. The Galaxie setup will detect the "old" Galaxie version (see below).



The setup will perform the upgrade of Galaxie.
Reboot the computer when asked.
The installation is automatically completed after the reboot.
Set the DCOMCNFG.

Upgrading from Galaxie standalone or CDS Ver. 1.9 or 1.9SP1 to Ver. 1.9 SP2 Client/server

This chapter will describe the steps to upgrade a Galaxie CDS Version 1.9 or 1.9 SP1 system to Galaxie Version 1.9 SP2.

Logon as a local Windows administrator.

Stop all the acquisitions performed on the station to upgrade if it is an acquisition server.

If working in client server configuration, shut down all the clients and the server stations. Upgrade first the server, then the clients.

It is MANDATORY that the directory of the new Galaxie version is identical to the directory of the old Galaxie version, the ability to choose the Galaxie folder is then not provided when performing an upgrade.

Start the setup of Galaxie 1.9.SP2 The Galaxie setup will detect the "old" Galaxie version.

The setup will perform the upgrade of Galaxie.

A DOS command windows (TREGSVR...) can be blocked during the installation. If it is the case, close the DOS window by clicking on the right up corner cross. A windows error report message is displayed, click on 'End Now'. The installation is performed normally.

Reboot the computer when asked.

The installation is automatically completed after the reboot.

Set the DCOMCNFG.

Upgrading from Galaxie WS Ver. 1.7 to Ver. 1.9 standalone

To upgrade a Galaxie WS Version 1.7 system to Galaxie standalone Version 1.9, please follow this procedure.

Before installing Galaxie Ver. 1.9, check that the 'File and Printer Sharing for Microsoft Networks' component is installed. This component is listed

in the network connections properties. If it isn't installed, please install it before continuing. Check also that there is only one network card enabled on the PCs.

Logon as a local Windows administrator.

Stop all the acquisitions performed on the station to upgrade.

Use the following procedure:

-Backup the following files:

Galaxie/server/GALAXIE_BASED.ddb

Galaxie/server/DATA_SHARED directory

Galaxie/server/DRIVERLIST.ddc

Galaxie/server/CFG directory

- If using the BOOTP server: save the following file:
\\WINNT\System32\BOOTPSERVER.CFG or
\\Windows\System32\BOOTPSERVER.CFG.

- Start the setup of Galaxie 1.9. The Galaxie setup will detect the "old" Galaxie version.

- The setup will now uninstall the previous Galaxie version.

- Reboot the computer.

- Start the setup of Galaxie 1.9 again and install the new GALAXIE Version 1.9 (select the 'Galaxie standalone' option during the setup).

- Reboot the computer.

- The old database will be migrated during the restart of the install.

- Restore the "BOOTPSERVER.CFG" file that was previously saved.

- Install the new drivers if necessary and upgrade the old existing drivers (not mandatory): start the setup of the desired drivers on the station. Enter the corresponding serial number during the install.

- Check the DCOM settings.

- Reboot the computer.

- After the database migration, login into the Configuration Manager and check all associations are correct.

Check also the user and admin profiles since new privileges are available with Galaxie Chromatography Data System (and not selected by default while migrating).

Create and configure new systems if necessary (third party instruments for example).

- Start the setup of Galaxie again and install the new Galaxie Version 1.9 as a client and acquisition server.

- Reboot the computer.

- Restore the "BOOTPSERVER.CFG" file that was previously saved.

- Check the DCOM settings.

- Reboot the computer.

Upgrading from Galaxie WS Ver. 1.8 to Ver. 1.9 standalone

To upgrade a Galaxie WS Version 1.8 system to Galaxie standalone Version 1.9, please follow this procedure.

Before installing Galaxie Ver. 1.9, check that the 'File and Printer Sharing for Microsoft Networks' component is installed. This component is listed in the network connections properties. If it isn't installed, please install it before continuing. Check also that there is only one network card enabled on the PCs.

Logon as a local Windows administrator.

Stop all the acquisitions performed on the station to upgrade.

It is **MANDATORY** that the directory of the new Galaxie Version 1.9 is the same as the directory of the old Galaxie version.

Use the following procedure:

- Stop the Nexus DB server service on the PC

- Backup the following files:

Galaxie/server/DATA_SHARED directory

Galaxie/server/devices directory

Galaxie/server/CFG directory

Galaxie/server/CMDData directory (all *.nx1 tables)

Star 800 MIB registry key: Select the Start/Execute menu and enter Regedit. Then select the HKEY_LOCAL_MACHINE/SOFTWARE/ORLANDO/HERCULE directory. Select the Registry/Export registry file option and give a name to the file to export

- If using the BOOTP server: save the following file:

\\WINNT\System32\BOOTPSERVER.CFG or

\\Windows\System32\BOOTPSERVER.CFG.

- Uninstall Galaxie WS 1.8: Start the Galaxie WS 1.8 setup and select the Remove all option. The setup will now uninstall the version and reboot the computer when it is asked.

- Start the setup of Galaxie 1.9 and install the new GALAXIE Version 1.9 (select the 'Galaxie standalone' option and the folder where Galaxie was previously installed during the setup).

- Reboot the computer.

- Stop the Nexus DB server service

- Copy all files previously saved:

In the Galaxie/server/CMData directory: **all *.nx1 files EXCEPT** the following ones: **Products.nx1, Rights.nx1, AdminRights.nx1, RightsCategories.nx1, LancelotParameters.nx1 and AdminRightCategories.nx1**

The Galaxie/server/CFG directory

The Galaxie/server/DATA_SHARED directory

The Galaxie/server/devices directory

- Re-start the Nexus DB server service
- Reinstall the Star 800 MIB registry key: select the Start/Execute menu and enter Regedit. Then select the Registry/Import registry file option and select the reg file saved in step 2.
- Restore the "BOOTPSERVER.CFG" file that was previously saved.
- Install new drivers if necessary
- Check the DCOM settings.

- Reboot the computer

- Log into the Configuration Manager and check all associations are correct.

Check also the user and admin profiles since new privileges are available with Galaxie Chromatography Data System (and not selected by default while migrating).

Create and configure new systems if necessary (third party instruments for example).