

Product Release Notes

GRAMS Suite version 9.2

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Introduction

Thermo Fisher Scientific is pleased to announce the release of Thermo Scientific™ GRAMS Suite™ version 9.2. The content in this document describes new and revised functionality in this version of the product, as well as supported platform combinations, fixed issues and known issues.

Please always be sure to check the support site for any updates to this product.

Supported Platforms

The following section contains information on the platforms currently supported for Thermo Scientific GRAMS Suite version 9.2.

Windows 8.1 64-bit

Windows 7 32-bit

Windows 7 64-bit

Windows XP SP3

Windows 2008 Server

Product Enhancements

This GRAMS Suite 9.2 release addressed known issues and has no product enhancements.

Functional Area

| Enhancement | Benefit |
|-------------|---------|
| NA | |

Fixed Issues

The following table details the software issues that have been corrected in this product release.

| Issue Number | Functional Area | Issue Description |
|---------------------|------------------------|---|
| 28958 | GRAMS AI | The GRAMS AI Applications menu cannot be modified. |
| 28966 | Active Multifile Tool | In some cases the Active Multifile Tool changes the X values slightly. |
| 31768 | GRAMS AI | The GRAMS/AI 'Export Trace As' does not display error for bad conversions. |
| 31770 | GRAMS IQ | The Spectral Data Type "Processed" setting in GRAMS IQ ignores the "visible" settings in the Legend. |
| 31771 | GRAMS IQ | The View Data Points dialog in GRAMS IQ plots does not include Sample identification. |
| 31772 | GRAMS IQ | The Training Dataset Memo in GRAMS IQ is not properly updated for multiple experiments. |
| 32280 | GRAMS AI | Cannot create a toolbar button or menu entry to import or export data - the menu list and buttons.ini point to an older convert tool. |
| 33531 | GRAMS IQ | Measured Pathlength preprocessing option generating incorrect results and/or crash in GRAMS IQ. |
| 33795 | GAML Converter | The Perkin-Elmer UV/FL Data Manager (B) [Perkin-EBIN] converter does not run in a 64 bit environment. |
| 33796 | GAML Converter | The Perkin Elmer PIONIR [PEPIONIR] converter does not run in a 64 bit environment. |
| 33797 | GAML Converter | The Perkin-Elmer UV/FL Data Manager [Perkin-E] converter does not run in a 64 bit environment. |
| 33798 | GAML Converter | The Perkin-Elmer IR Data Manager [PE-IRDM] converter does not run in a 64 bit environment. |
| 34294 | Legacy GRAMS Convert | Legacy Import-Export tool cannot export using CN3 converters, empty folder created instead of output. |
| 34305 | IQ Predict | Loading a "flat" SPC file into IQ Predict causes it to crash. |
| 34551 | GRAMS IQ | Reconstructed spectrum not displayed correctly when spectral regions are set. |

| Issue Number | Functional Area | Issue Description |
|---------------------|-----------------------------|--|
| 34552 | Spectral ID | Copy / paste in Spectral ID not functioning properly. |
| 34554 | GRAMS IQ | Statistics plot on Experiment Setup tab in GRAMS IQ has incorrect X axis. |
| 34558 | GRAMS IQ | Fields selected to create a GRAMS IQ report are missing on the document that is created. |
| 34565 | GRAMS IQ | Display doesn't refresh properly after removing an overlaid plot on GRAMS IQ results tab. |
| 34566 | GRAMS IQ | GRAMS IQ internationalization issues - using comma instead of period as decimal separator. |
| 34567 | GRAMS IQ | Problem exporting calibrations to ASCII. |
| 34569 | GRAMS IQ | Loss of data from GRAMS IQ TDFX files. |
| 34570 | IQ Predict | Invalid prediction results when data does not match a calibration. |
| 34591 | Smart Convert | Smart Convert misidentifying ASCII unevenly spaced data. |
| 34592 | GRAMS IQ | GRAMS IQ does not handle unevenly spaced data properly. |
| 34598 | Excel Exchange | Excel Exchange cannot handle *.XLXS format files. |
| 34600 | GRAMS AI | GRAMS Macro Wizard - select all not working properly during Macro data load (load.ab) |
| 34604 | Spectral ID (Client/Server) | The Client / Server version of Spectral ID is difficult to install and configure. |
| 116341 | GAML Converter | The GAML Atlas converter fails with Atlas 8.3 workbooks. |
| 116560 | GAML Converter | The GAML Atlas converter crashes trying to save a parameter with no name. |
| 116561 | GAML Converter | There are several issues with the export of GAML files to ANDI CGM. |

Known Issues

The following section contains all known software issues with a severity level of 4 (major) and 5 (critical), as well as issues with a severity level of 3 (moderate) identified within the formal test cycle of this release. The issues are listed with the associated severity rating and a workaround, if known.

A listing of known reported issues and Knowledge Base articles can be obtained in the eService Portal by using the following link: <http://eservice.thermo.com/>. You must have a valid and current support contract in order to access this information.

Note that any severity 4 and 5 issues included in this release have been assessed and are considered to be low-impact, as they minimally affect the ability of a user to continue with the associated task.

| Issue Number | Description | Severity |
|---------------------|--|-----------------|
| N/A | 16-bit converters will not run on a 64-bit operating system. [make this a link] See Converter Support section for list of supported converters. | Moderate |
| 33757 | GRAMS IQ is much slower than PLSplus IQ for large data sets. | Moderate |
| 34563 | 3D display in AMT does not function properly. | Moderate |
| 34758 | The GRAMS IQ application is missing a couple of key features that existed in the old version (Calibration Transfer and 3D view of results). | Moderate |

Converter Support

The following is a list of converters shipped with this release. If this release is installed on a 64-bit operating system, the converters that have a type of "16-bit" will not run.

| Converter Name | Type | Status |
|--|---------------|--|
| AIA/ANDI Chromatography | 32-bit (GAML) | Will run on all supported operating systems. |
| AIA/ANDI FT-IR | 32-bit | Will run on all supported operating systems. |
| AIA/ANDI Mass Spectrometry | 32-bit | Will run on all supported operating systems. |
| ANDO AQ Optical Spectrum Analyzer | 32-bit (GAML) | Will run on all supported operating systems. |
| ASCII X,Y (Constant X Spacing) | 32-bit (GAML) | Will run on all supported operating systems. |
| ASCII X,Y (High Precision X) | 32-bit (GAML) | Will run on all supported operating systems. |
| ASCII X,Y (Variable X Spacing) | 32-bit (GAML) | Will run on all supported operating systems. |
| ASCII Y (Single Column) | 32-bit (GAML) | Will run on all supported operating systems. |
| ASD PSII UV-Vis | 16-bit | Will not run on Windows 7 64-bit |
| ASYST V1.5+ Data File | 16-bit | Will not run on Windows 7 64-bit |
| AVIV UV-Vis/CD | 16-bit | Will not run on Windows 7 64-bit |
| Acorn NMR NUTS | 32-bit | Will run on all supported operating systems. |
| Agilent ChemStation (LC/GC/PDA/MS) | 32-bit (GAML) | Will run on all supported operating systems. |
| Alton Instruments LS2000 | 16-bit | Will not run on Windows 7 64-bit |
| Amersham Bioscience UNICORN | 32-bit (GAML) | Will run on all supported operating systems. |
| Analect FT-IR | 32-bit | Will run on all supported operating systems. |
| Ando AQ-6312B | 16-bit | Will not run on Windows 7 64-bit |
| Applied Automation Optichrom | 16-bit | Will not run on Windows 7 64-bit |
| Atlas Chromatography Data System | 32-bit (GAML) | Will run on all supported operating systems. |
| Beckman DU60 ASCII UV-Vis | 16-bit | Will not run on Windows 7 64-bit |
| Beckman FT1000/2000 FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| Beckman Gold Chromatography | 32-bit (GAML) | Will run on all supported operating systems. |
| Beckman Gold Diode Array | 16-bit | Will not run on Windows 7 64-bit |
| Beckman PeakPro Chromatography Data System | 32-bit (GAML) | Will run on all supported operating systems. |

| Converter Name | Type | Status |
|--|---------------|--|
| Beckman UV-Vis/Fluorescence | 16-bit | Will not run on Windows 7 64-bit |
| Bio-Rad BioDimension DAD | 16-bit | Will not run on Windows 7 64-bit |
| Bio-Rad Digilab 3200 FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| Bio-Rad Digilab IMX FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| Bio-Rad Sadtler IR | 16-bit | Will not run on Windows 7 64-bit |
| Bomem DA3/DA8 FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| Brimrose AOTF NIR | 16-bit | Will not run on Windows 7 64-bit |
| Bruker ATS FT-IR (Aspect) | 16-bit | Will not run on Windows 7 64-bit |
| Bruker AXS DIFFRACplus/AT XRD | 32-bit | Will run on all supported operating systems. |
| Bruker Aspect NMR | 32-bit | Will run on all supported operating systems. |
| Bruker ESP300 ESR | 16-bit | Will not run on Windows 7 64-bit |
| Bruker OPUS FT-IR (OS/2) | 32-bit | Will run on all supported operating systems. |
| Bruker UXNMR (X32) | 16-bit | Will not run on Windows 7 64-bit |
| Bruker WIN-NMR | 16-bit | Will not run on Windows 7 64-bit |
| Bruker XWIN-NMR | 32-bit (GAML) | Will run on all supported operating systems. |
| Chemagnetics CMX NMR | 16-bit | Will not run on Windows 7 64-bit |
| Chemagnetics SpinSight NMR | 32-bit | Will run on all supported operating systems. |
| Data Interchange Format (DIF) | 16-bit | Will not run on Windows 7 64-bit |
| Dilor Microdil 28 Raman (V2) | 16-bit | Will not run on Windows 7 64-bit |
| Dilor Microdil 28/Z24 Raman (V1) | 16-bit | Will not run on Windows 7 64-bit |
| Dionex Chromeleon Chromatography Data System | 32-bit (GAML) | Will run on all supported operating systems. |
| Dionex-Lee Scientific 600 | 16-bit | Will not run on Windows 7 64-bit |
| EG&G PAR CCD Spectrum | 16-bit | Will not run on Windows 7 64-bit |
| EG&G PAR OMA88 CCD Spectrum | 16-bit | Will not run on Windows 7 64-bit |
| EG&G PAR ProcessVision | 16-bit | Will not run on Windows 7 64-bit |
| EG&G Spectrum Master Maestro II | 16-bit | Will not run on Windows 7 64-bit |
| EZChrom Elite Chromatography | 32-bit (GAML) | Will run on all supported operating systems. |
| Finnigan MAT ITDS GC-MS | 16-bit | Will not run on Windows 7 64-bit |
| GBC Spectral UV-Vis | 32-bit | Will run on all supported operating systems. |
| GE Omega NMR | 16-bit | Will not run on Windows 7 64-bit |
| GE/Nicolet NMR (1280) | 16-bit | Will not run on Windows 7 64-bit |
| Gilson Unipoint Chrom. | 32-bit | Will run on all supported operating systems. |
| Groton Tech. PF1 DAD | 16-bit | Will not run on Windows 7 64-bit |
| Groton Tech. SoloNet DAD | 16-bit | Will not run on Windows 7 64-bit |

| Converter Name | Type | Status |
|----------------------------------|------------------|--|
| Guided Wave NIR | 16-bit | Will not run on Windows 7 64-bit |
| HP 1040 Diode Array (PAWS) | 16-bit | Will not run on Windows 7 64-bit |
| HP 1090 Diode Array (PAWS) | 32-bit (GAML) | Will run on all supported operating systems. |
| HP 8452 Time Scan (DOS) | 16-bit | Will not run on Windows 7 64-bit |
| HP 8452 UV-Vis (DOS) | 16-bit | Will not run on Windows 7 64-bit |
| HP ChemStation Chromatogram | 32-bit (GAML) | Will run on all supported operating systems. |
| HP ChemStation Diode Array | 32-bit (GAML) | Will run on all supported operating systems. |
| HP ChemStation IRD GC-IR | 16-bit | Will not run on Windows 7 64-bit |
| HP ChemStation MSD GC-MS | 32-bit (GAML) | Will run on all supported operating systems. |
| HP LAS Converter | 32-bit (GAML) | Will run on all supported operating systems. |
| Hitachi D-7000 HPLC System | 32-bit (GAML) | Will run on all supported operating systems. |
| Hitachi R-1200/1100 NMR | 32-bit | Will run on all supported operating systems. |
| Hitachi R-1500 NMR | 16-bit | Will not run on Windows 7 64-bit |
| Horiba FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| IBM 9420/9430 UV-Vis | 16-bit | Will not run on Windows 7 64-bit |
| IBM IR30 FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| ISA PRISM Raman | 16-bit | Will not run on Windows 7 64-bit |
| ISA SPEX Raman | 16-bit | Will not run on Windows 7 64-bit |
| ISA SpectraMax Raman | 16-bit | Will not run on Windows 7 64-bit |
| Interspectrum/Spectrolab PFS2000 | 32-bit | Will run on all supported operating systems. |
| JCAMP-DX Data File | 32-bit (GAML) | Will run on all supported operating systems. |
| Jasco J-600 CD | 16-bit | Will not run on Windows 7 64-bit |
| Jasco J-700 CD | 16-bit | Will not run on Windows 7 64-bit |
| Jasco Spectra Manager | 32-bit (GAML) | Will run on all supported operating systems. |
| Jeol GX/EX NMR | 32-bit | Will run on all supported operating systems. |
| Jeol Generic NMR | 32-bit | Will run on all supported operating systems. |
| Jeol WinSpec FT-IR | 32-bit | Will run on all supported operating systems. |
| Kontron DS-450 Chromatogram | 16-bit | Will not run on Windows 7 64-bit |
| Kratos MACH3 GC-MS | 16-bit | Will not run on Windows 7 64-bit |
| LDC Analytical SM5000 DAD | 16-bit | Will not run on Windows 7 64-bit |
| LTI SpectraMetrix/PowerScan | 16-bit | Will not run on Windows 7 64-bit |

| Converter Name | Type | Status |
|---|---------------|--|
| LabControl SPECTACLE File | 32-bit | Will run on all supported operating systems. |
| LeCroy 7200 Oscilloscope | 16-bit | Will not run on Windows 7 64-bit |
| LeCroy 8818A Digitizer/Catalyst | 16-bit | Will not run on Windows 7 64-bit |
| LeCroy 94xx Oscilloscopes | 16-bit | Will not run on Windows 7 64-bit |
| Linear Instruments DAD | 16-bit | Will not run on Windows 7 64-bit |
| Lotus 123 Worksheet (V1.0a) | 16-bit | Will not run on Windows 7 64-bit |
| Lotus 123 Worksheet (V2.0) | 16-bit | Will not run on Windows 7 64-bit |
| Mattson FIRST/WinFIRST FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| Mattson ICON FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| Micromass MassLynx Chromatography Data System | 32-bit (GAML) | Will run on all supported operating systems. |
| NIRSystems NSAS/Vision | 32-bit | Will run on all supported operating systems. |
| NIST MSP Text | 32-bit | Will run on all supported operating systems. |
| Nicolet PCIR FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| Nicolet SX/DX FT-IR (1280) | 16-bit | Will not run on Windows 7 64-bit |
| Oriel DOS InstaSpec | 16-bit | Will not run on Windows 7 64-bit |
| Oriel Runes II | 16-bit | Will not run on Windows 7 64-bit |
| Otsuka Diode Array | 16-bit | Will not run on Windows 7 64-bit |
| PE Nelson 2600 Chromatogram | 16-bit | Will not run on Windows 7 64-bit |
| PE Nelson Access*Chrom | 32-bit (GAML) | Will run on all supported operating systems. |
| PE Nelson TurboChrom (V3.3) | 16-bit | Will not run on Windows 7 64-bit |
| PE Sciex Analyst (WinNT LC-MS) | 32-bit (GAML) | Will run on all supported operating systems. |
| Perkin Elmer PIONIR | 32-bit (GAML) | Will run on all supported operating systems. |
| Perkin Elmer TurboChrom | 32-bit (GAML) | Will run on all supported operating systems. |
| Perkin-Elmer 7000 FT-IR & UV-Vis | 16-bit | Will not run on Windows 7 64-bit |
| Perkin-Elmer IR Data Manager | 32-bit (GAML) | Will run on all supported operating systems. |
| Perkin-Elmer PC137 SAM | 16-bit | Will not run on Windows 7 64-bit |
| Perkin-Elmer Spectrum/Winlab | 32-bit (GAML) | Will run on all supported operating systems. |
| Perkin-Elmer TurboMass LC/GC-MS | 32-bit | Will run on all supported operating systems. |
| Perkin-Elmer UV/FL Data Manager (B) | 32-bit (GAML) | Will run on all supported operating systems. |
| Perkin-Elmer UV/FL Data Manager | 32-bit (GAML) | Will run on all supported operating systems. |
| Perten Instruments PerCon NIR | 32-bit | Will run on all supported operating |

| Converter Name | Type | Status |
|--|---------------|--|
| | | systems. |
| Pharmacia LKB Gelscan XL | 16-bit | Will not run on Windows 7 64-bit |
| Phillips IR/40 FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| Polymer Laboratories Cirrus GPC/Triple Detection Converter | 32-bit (GAML) | Will run on all supported operating systems. |
| Princeton Instruments CCD | 16-bit | Will not run on Windows 7 64-bit |
| Radiomatic FLO-One ASCII File | 16-bit | Will not run on Windows 7 64-bit |
| SLM Aminco 3000 UV-Vis | 16-bit | Will not run on Windows 7 64-bit |
| SLM Aminco Universal File | 16-bit | Will not run on Windows 7 64-bit |
| Shimadzu HyperIR FT-IR | 32-bit | Will run on all supported operating systems. |
| Shimadzu QP5000 GC-MS | 16-bit | Will not run on Windows 7 64-bit |
| Shimadzu UV160/265 | 16-bit | Will not run on Windows 7 64-bit |
| Siemens AXS DIFFRACplus/AT XRD | 32-bit | Will run on all supported operating systems. |
| Spectra Physics ChromStation | 16-bit | Will not run on Windows 7 64-bit |
| Spectra Physics DAD | 16-bit | Will not run on Windows 7 64-bit |
| Spectra Physics Memory Module | 16-bit | Will not run on Windows 7 64-bit |
| Spectronic SLM-Aminco Bowman 2 | 32-bit (GAML) | Will run on all supported operating systems. |
| Stanford Research SR265 | 16-bit | Will not run on Windows 7 64-bit |
| TA Instruments Universal Analysis (DSC & TGA only) | 32-bit | Will run on all supported operating systems. |
| Target Chromatography Analysis Software | 32-bit (GAML) | Will run on all supported operating systems. |
| TechMag MacNMR | 16-bit | Will not run on Windows 7 64-bit |
| Teknivent GC-MS | 16-bit | Will not run on Windows 7 64-bit |
| Telos Labs Spectrogram FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| Temet Instruments FT-IR | 16-bit | Will not run on Windows 7 64-bit |
| Thermo Elemental Solaar Converter | 32-bit (GAML) | Will run on all supported operating systems. |
| Thermo Finnigan Xcalibur Converter | 32-bit (GAML) | Will run on all supported operating systems. |
| Thermo Fisher ASCII File with Header | 32-bit (GAML) | Will run on all supported operating systems. |
| Thermo Fisher GAML | 32-bit (GAML) | Will run on all supported operating systems. |
| Thermo Fisher IEEE 32-bit Float File | 16-bit | Will not run on Windows 7 64-bit |
| Thermo Fisher SPC | 32-bit (GAML) | Will run on all supported operating systems. |
| Thermo LabSystems Multichrom | 32-bit (GAML) | Will run on all supported operating systems. |
| Thermo Nicolet Omnic | 32-bit (GAML) | Will run on all supported operating systems. |

| Converter Name | Type | Status |
|--|---------------|--|
| Thermo Spectronic Helios | 32-bit (GAML) | Will run on all supported operating systems. |
| Tracor Northern TN-6500 | 16-bit | Will not run on Windows 7 64-bit |
| Tracor Northern TN-6600 | 16-bit | Will not run on Windows 7 64-bit |
| VG Plasma-Quad ICP-MS | 16-bit | Will not run on Windows 7 64-bit |
| Varian Cary UV-VIS-NIR | 32-bit (GAML) | Will run on all supported operating systems. |
| Varian Cary UV-Vis (OS/2) | 16-bit | Will not run on Windows 7 64-bit |
| Varian Chemagnetics NMR | 32-bit | Will run on all supported operating systems. |
| Varian Galaxie /JMBS DIAMIR/Bio-Tek KromaSystem 3000 | 32-bit (GAML) | Will run on all supported operating systems. |
| Varian Saturn 3 GC-MS | 16-bit | Will not run on Windows 7 64-bit |
| Varian Saturn 5 GC-MS | 32-bit | Will run on all supported operating systems. |
| Varian Star GC | 32-bit | Will run on all supported operating systems. |
| Varian VNMR | 32-bit | Will run on all supported operating systems. |
| Varian XL/XR/Gemini NMR | 16-bit | Will not run on Windows 7 64-bit |
| Waters 990 DAD | 16-bit | Will not run on Windows 7 64-bit |
| Waters Maxima 820 Chromatogram | 16-bit | Will not run on Windows 7 64-bit |
| Zeiss ASCII File | 16-bit | Will not run on Windows 7 64-bit |

Database Changes

This section indicates whether or not changes were made to the database structure as a result of the enhancements and/or issue resolution included in this release.

Yes, changes were made

No, changes were not made