SCIEX OS 4.0 HotFix 1 Release Notes

Introduction

For information about the SCIEX OS software 4.0, including requirements and supported firmware and configuration table versions, refer to the *Software Installation Guide* for the SCIEX OS software 4.0. For information about known issues, refer to the *Release Notes* for the SCIEX OS software 4.0.

For information about previous software versions and HotFixes, refer to the *Release Notes* that came with the software version.

New in SCIEX OS 4.0 HotFix 1

Corrected Issues

- In the Analytics workspace, the noise region cannot be moved to the right of a peak. (BLT-7137)
- After an upgrade of the Central Administrator Console (CAC) software is completed, the user settings for a workgroup are not migrated. (BLT-7139)
- If the user selects a sample on the Samples tab and then selects a different analyte on the Components and Groups tab, then the sample selection goes back to the lowest indexed sample. (BLT-7134)
- If the formula for a calculated column includes a column that contains whole numbers and the result of the calculation is more than the maximum integer limit of 2,147,483,647, then the value that is shown in the Results Table is incorrect. (MQ-14466)
- ZenoTOF 8600 systems:
  - A long batch that contains ZT scan methods stops when an acquired sample is opened in the Explorer workspace. (ONYX-62998)
  - The valve model goes into Fault status when activated. (ONYX-63264)
  - If an error occurs during acquisition of ZT Scan data, then samples for which acquisition looks to be completed after the error do not contain data. (ONYX-63265)
  - Reliability issues occur during the acquisition of ZT scan methods. (ONYX-64292)

  Note: A firmware revision is supplied for the ZenoTOF 8600 system. The firmware must be updated by a SCIEX field service employee (FSE). (ONYX-64056)
- QTRAP 6500+ systems with ICB4 and the oil-sealed roughing pump: An incorrect firmware configuration table might cause a low signal (BLT-7209).

Note: A firmware configuration table update is supplied for the QTRAP 6500+ system. (ONYX-64056)

Updates to the Instrument Firmware Applications

This HotFix supplies a new version of the FirmwareUpdater utility for the ZenoTOF 8600 system and QTRAP 6500+ system. The utility supports the firmware version and configuration table versions that are shown in the table that follows.

Note: ZenoTOF 8600 systems: The upgrade of the firmware version from APP_JUPITER_ICX64_v01_r01 to the version supported by this HotFix must be done by a SCIEX field service employee (FSE).

Note: QTRAP 6500+ systems: The firmware and configuration table versions did not change, but the configuration table file was corrected.

Note: This version of the FirmwareUpdater utility can also be used for all mass spectrometers that are supported by the SCIEX OS software 4.0. For a full list of supported firmware and configuration table versions, refer to the document: *SCIEX OS Software 4.0 Installation Guide*.

Table 1 Firmware and Configuration Table Versions

Mass Spectrometer	Firmware Version	Configuration Table Version
ZenoTOF 8600 system	APP_JUPITER_ICX64_v01_r03	CONFIG_ZenoTOF-8600_v30_r02
QTRAP 6500+ with ICB4 and the oil-sealed roughing pump	PIL2007	FWQTrap6500+R04

Known Issues and Limitations

- N/A

Install the HotFix

SCIEX OS Software

Prerequisites
• The SCIEX OS software 4.0 is installed. • The mass spectrometer is active on the Devices page in the Configuration workspace. • The computer is connected to the mass spectrometer.

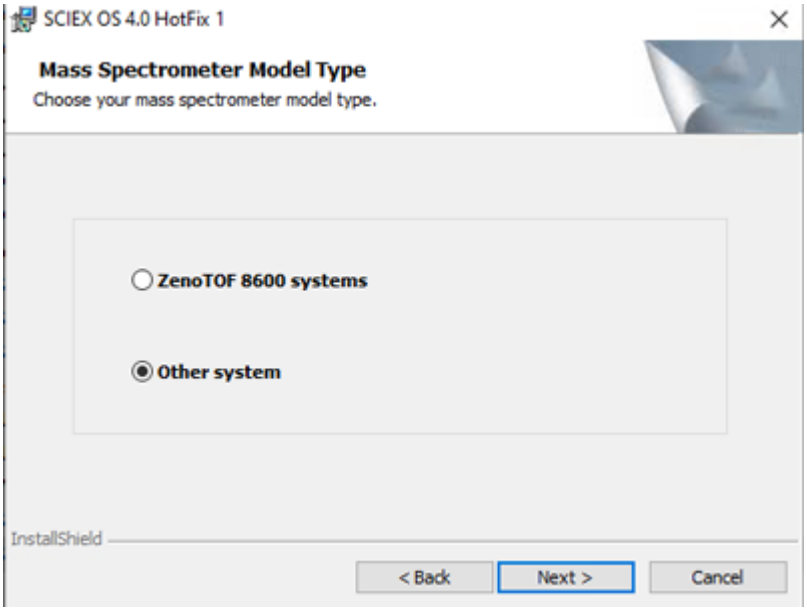
Use this procedure to install the HotFix on an acquisition computer that has the SCIEX OS software installed.

1. Log on to the computer as a user with Administrator privileges.
2. Stop all of the acquisitions, and then clear the queue.

   Make sure that there are no samples in the queue.
3. QTRAP 6500+ systems with ICB4 and the oil-sealed roughing pump: Open the Device Details dialog to see the configuration table header for the mass spectrometer. If the header ends in "-XA1", then a configuration table update will be required after the HotFix is installed.
4. On the Devices page in the Configuration workspace, deactivate the devices.
5. ZenoTOF 8600 systems: Delete the ZenoTOF 8600 system.
6. Close the SCIEX OS software.
7. Go to sciex.com/software-downloads, and then download SCIEX OS 4.0 HotFix 1.

   Tip! To prevent installation issues, save the file to the local computer, in a different location than the desktop.
8. After the download is completed, right-click the `SCIEX-OS-4.0-HotFix-1.zip` file, click **Extract All**, browse to and select the destination folder, and then click **Extract**.
9. Browse to and then double-click the `SCIEX-OS-4.0-HotFix-1.exe` file.

Figure 1 Mass Spectrometer Model Type Dialog



10. Select the mass spectrometer model, and then click **Next**.
11. Obey the on-screen instructions to complete the installation.
12. ZenoTOF 8600 systems: Use the FirmwareUpdater utility to make sure that the correct versions of the instrument firmware applications are installed. If they are not, then contact an FSE to update the instrument firmware applications for the mass spectrometer. Refer to the section: Use the FirmwareUpdater Utility to Identify the Firmware Version (ZenoTOF 8600 Systems).

    CAUTION: Potential System Damage. Do not use the FirmwareUpdater utility to update the system firmware to APP_JUPITER_ICX64_v01_r03. If an update is required, then contact an FSE.

13. QTRAP 6500+ systems: If the configuration table header ends in "XA1", then update the configuration table. Refer to the section: Use the FirmwareUpdater Utility to Update the Configuration Table (QTRAP 6500+ Systems).
14. Open the SCIEX OS software.
15. ZenoTOF 8600 systems: Add the ZenoTOF 8600 mass spectrometer.
16. Activate the devices.

CAC Software

Prerequisites
• The Central Administrator Console (CAC) software 4.0 is installed.

Use this procedure to install the HotFix on a computer with the CAC software installed.

1. Log on to the computer as a user with Administrator privileges.
2. Go to sciex.com/software-downloads, and then download SCIEX OS 4.0 HotFix 1.

   Tip! To prevent installation issues, save the file to the local computer, in a different location than the desktop.

3. After the download is completed, right-click the `SCIEX-OS-4.0-HotFix-1.zip` file, click **Extract All**, browse to and select the destination folder, and then click **Extract**.
4. Browse to and then double-click the `SCIEX-OS-4.0-HotFix-1.exe` file.
5. Obey the on-screen instructions to complete the installation.
   The installation program installs the files, and then it uses these programs:
   - `CAC4.0HotFixExecutor.exe`: Clears the IsDataMigrationDone flag in the database for the CAC software.
   - `Sciex.DataMigration.exe`: Migrates the workgroups.

Use the FirmwareUpdater Utility to Identify the Firmware Version (ZenoTOF 8600 Systems)

CAUTION: Potential System Damage. Do not use the FirmwareUpdater utility to update the system firmware to APP_JUPITER_ICX64_v01_r03. If an update is required, then contact an FSE.

Use the FirmwareUpdater utility that is supplied with the HotFix to make sure that the correct versions of the instrument firmware applications are installed on the ZenoTOF 8600 system.

Note: This version of the FirmwareUpdater utility can also be used for all mass spectrometers that are supported by the SCIEX OS software 4.0. For a full list of supported firmware and configuration table versions, refer to the document: *SCIEX OS Software 4.0 Installation Guide*.

1. Log on to the computer as a Windows user with Administrator privileges.
2. Open the FirmwareUpdater utility:
   a. Browse to the folder that contains the extracted HotFix files.

b. Right-click the `MS FW Updater.exe` file, and then click **Run as administrator**.

3. In the **Select Update** list, select the mass spectrometer and software version. Compare the firmware version and configuration table in the **Update Details** list with the information in the section: Updates to the Instrument Firmware Applications. If the firmware version is APP_JUPITER_ICX64_v01_r01, then contact an FSE to update the firmware.

Use the FirmwareUpdater Utility to Update the Configuration Table (QTRAP 6500+ Systems)

Use the FirmwareUpdater utility that is supplied with the HotFix to make sure that the correct versions of the instrument firmware applications are installed on a QTRAP 6500+ system with ICB4 and the oil-sealed roughing pump.

Note: This version of the FirmwareUpdater utility can also be used for all mass spectrometers that are supported by the SCIEX OS software 4.0. For a full list of supported firmware and configuration table versions, refer to the document: *SCIEX OS Software 4.0 Installation Guide*.

1. Log on to the computer as a Windows user with Administrator privileges.
2. Open the FirmwareUpdater utility:
   a. Browse to the folder that contains the extracted HotFix files.
   b. Right-click the `MS FW Updater.exe` file, and then click **Run as administrator**.
3. In the **Select Update** list, select the mass spectrometer and software version.
4. Select the firmware version to be updated, and then click **Run Update**.
5. Wait 30 seconds.
6. Shut down and then start up the mass spectrometer. Refer to the document: *System User Guide*.

   Note: The event log in the SCIEX OS software shows that the firmware update was satisfactory.

Remove the HotFix

Note: Before repair, modification, or removal of the SCIEX OS software, remove the HotFix.

Note: After the HotFix is removed, the versions of the firmware applications for the mass spectrometer do not go back to the pre-upgrade versions. They must be downgraded. For the ZenoTOF 8600 system, the downgrade must be done by an FSE.

1. Log on to the computer as a user with Administrator privileges.

2. In the SCIEX OS software, deactivate the devices.
3. Close the SCIEX OS software.
4. Open Control Panel, and then open Programs and Features.
5. Select **SCIEX OS 4.0 HotFix 1**, and then click **Uninstall**.
6. Obey the on-screen instructions.

   The HotFix is removed from the program list, files that were changed by the HotFix go back to version 4.0, and files that were added are removed.
7. Close Control Panel.

Updated Files

SCIEX OS Software

The SCIEX OS 4.0 HotFix 1 makes changes to these folders and files in the SCIEX OS software:

`C:\Program Files\SCIEX\SCIEX OS\Analytics\bin`

- `Clearcore2.QuantLibrary.dll` (Updated).
- `Sciex.MultiQuant.UI.dll` (Updated).

`C:\ProgramData\SCIEX\MassSpec\InstrumentData` (ZenoTOF 8600 Systems)

- `Current.dat` (Updated).

CAC Software

The SCIEX OS 4.0 HotFix 1 makes changes to these folders and files in the Central Administrator Console (CAC) software:

`C:\Program Files\SCIEX\SCIEX OS`

- `CAC4.0HotFixExecutor.exe` (Added)
- `CAC4.0HotFixExecutor.exe.config` (Added)
- `CentralAdministration.Management.Contracts.dll` (Updated)
- `CentralAdministration.Persistence.dll` (Updated)
- `CentralAdministration.SBC.dll` (Updated)
- `Sciex.DataMigration.exe` (Updated)
- `Sciex.DataMigration.exe.config` (Updated)

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Online Learning Center

- SCIEX Now Learning Hub

SCIEX Support

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- sciex.com/contact-us
- sciex.com/request-support

Cybersecurity

For the latest guidance on cybersecurity for SCIEX products, visit sciex.com/productsecurity.

Documentation

This version of the document supersedes all of the previous versions of this document.

To find software product documentation, refer to the release notes or software installation guide that comes with the software.

To find hardware product documentation, refer to the documentation that comes with the system or component.

The latest versions of the documentation are available on the SCIEX website, at sciex.com/customer-documents.

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