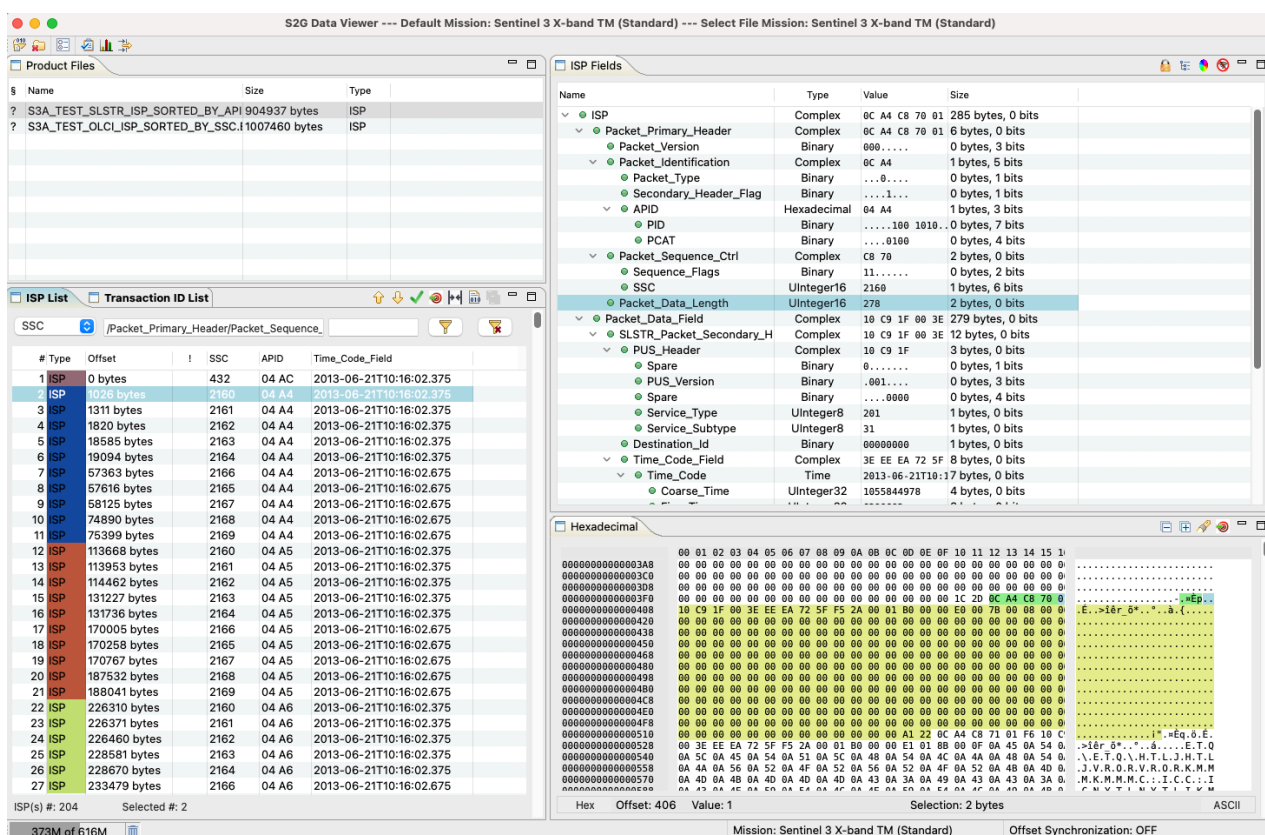


S2G Data Viewer

v2.7.3

Release Notes



The screenshot displays the S2G Data Viewer v2.7.3 interface. The top bar shows the mission: "Default Mission: Sentinel 3 X-band TM (Standard) --- Select File Mission: Sentinel 3 X-band TM (Standard)".

Product Files: A table listing files with columns for Name, Size, and Type. It shows two files: "S3A_TEST_SLSTR_ISP_SORTED_BY_API 904937 bytes ISP" and "S3A_TEST_OLCI_ISP_SORTED_BY_SSC 11007460 bytes ISP".

ISP Fields: A tree view showing the structure of the ISP data. It includes fields like Packet_Primary_Header, Packet_Version, Packet_Identification, Packet_Type, Secondary_Header_Flag, APID, PID, PCAT, Packet_Sequence_Ctrl, Sequence_Flags, SSC, Packet_Data_Length, Packet_Data_Field, SLSTR_Packet_Secondary_H, PUS_Header, Spare, PUS_Version, Service_Type, Service_Subtype, Destination_Id, Time_Code_Field, Time_Code, and Coarse_Time.

Transaction ID List: A table listing transactions with columns for #, Type, Offset, SSC, APID, and Time_Code_Field. It shows a list of transactions starting from 1 to 27, with details for each.

Hexadecimal View: A section at the bottom showing the raw data in hexadecimal and ASCII format. It includes a hex dump and an ASCII representation of the data.

What's new

This release implements the following changes with respect to S2G v2.7.2 released on 25 April 2025:

New Features

- Improved app behaviour when multiple files selected in product view (S2G-AN-273)
 - Panel views cleared
 - Application issues a warning ('select single file') if actions generate report, transformation, plots are triggered
- *CFDP PDU units: Add capability to save file data of all files (identified by transaction sequence number) in one action (S2G-AN-308)*

Software Aspects

- Dedicated distribution package build for macOS arm64 architecture

Bug Fixes

- N.A.

Documentation

- User Manual updated S2G-DME-TEC-SUM023-1M

Available Platforms

S2G is available for Linux 64-bit, macOS (Intel and arm64) and Windows 64-bit.

For each platform, the package includes the Java Runtime Environment (JRE) embedded in the bundle. Having the JRE included ensures that the application works even if no Java version is installed in your system. The version of the JRE embedded is OpenJDK 11.0.15.

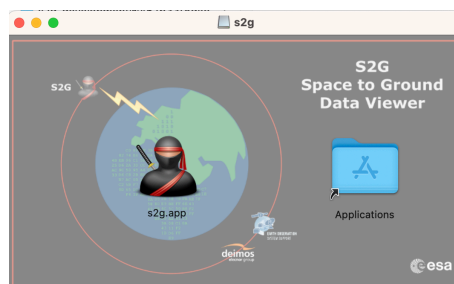
	Distribution Package
Linux 64-bit with JRE 11 embedded	s2g-2.7.3-linux.gtk.x86_64.withJRE.zip
macOS Intel with JRE 11 embedded	s2g-2.7.3-macos.cocoa.x86_64.withJRE.dmg

	Distribution Package
macOS arm64 with JRE 11 embedded	s2g-2.7.3-macos.cocoa.aarch64.withJRE.dmg
Windows 64-bit with JRE 11 embedded	s2g-2.7.3-win32.win32.x86_64.withJRE.zip

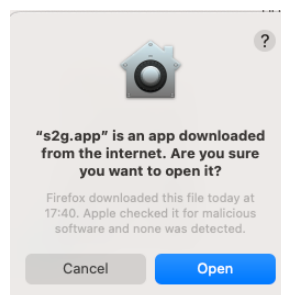
Installation Hints

For macOS, the following steps may have to be followed to circumvent user permission and security issues:

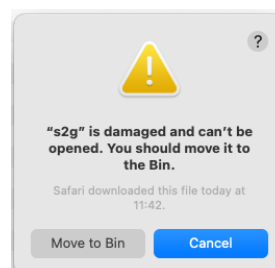
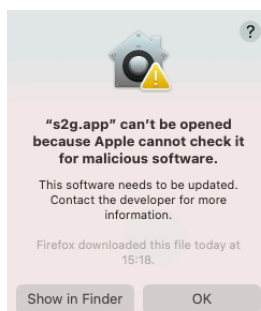
1. The *s2g.app* can be either copied to Applications folder (if user has admin rights) or copied to any user folder

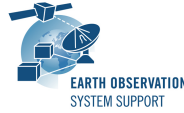


2. Normally, launching the application will show the following message window, click Open



3. However, if launching the application results in an error message, e.g





type the following command on the Terminal window (after navigating to the folder where *s2g.app* is located):

```
xattr -d com.apple.quarantine s2g.app
```

Mission Support

The S2G distribution package includes mission configuration files (JAR archive containing XML file and schema files) for the following missions:

- Aeolus (X-Band)
- Biomass (X-Band)
- CRISTAL (X-Band, including CFDP encapsulation)
- EarthCARE (S-Band and X-Band)
- FLEX (X-Band)
- MetOp-SG-A (Ka-Band)
- MetOp-SG-B (Ka-Band)
- MTG (Ka-Band)
- Sentinel-1 (X-Band)
- Sentinel-2 (X-Band)
- Sentinel-3 (X-Band)
- Sentinel-4 (Ka-Band)
- Sentinel-5 (X-Band)
- Sentinel-5P (X-Band)
- Sentinel-6 (X-Band)
- Seosat (X-Band)
- SMOS (S-Band and X-Band)
- Swarm (S-Band)

The user is notified about the availability of mission configuration files for new missions or about updates to the existing missions when starting-up S2G or through the “Help—>Check for Updates” menu option.

- Note that *schema versions available under the ‘Check for updates’ mechanism are only compatible with S2G v2.5.2 and above. Similarly, older schema versions will not work in S2G v2.5.2.* For details about the format changes, see Annex 3 in Mission Specification Schemas document: [S2G Mission Specification Schemas S2G-DME-TEC-SUM092-1D.pdf](#)

Latest versions of the mission schema files are also available at [MISSION SCHEMA FILES](#).

Note that it is possible for the users to include additional data type definitions in the default mission schema files delivered with the S2G application. This may be typically the case for dedicated ISP data definitions. The [S2G Helpdesk](#) can include the user extensions as part of the default schemas distributed with the application and guide users in the customisation process. Please send your requests (together with the extended schemas files) to the [S2G Helpdesk](#).

Known Problems

The current S2G release has the following open issues:

- *CFDP data: Support WARNING file status (overlapping PDUs) (S2G-AN-295)*
- *CFDP data: Completion map: support file size of max. value corresponding to 8 bytes unsigned integer (current implementation uses array with max length being an integer) (S2G-AN-300)*

Further Information

For more details, please have a look to the S2G User Manual:
[S2G User Manual S2G-DME-TEC-SUM023-1M.pdf](#)

Contact

For questions, suggestions or reporting issues, please send an e-mail to the S2G Helpdesk:

s2g@eopp.esa.int