

## **S2G Version 2.0.5 - Release Notes**

### **1. NEW RELEASE DESCRIPTION**

#### **1.1 Software and Hardware Requirements**

The S2G application is available for the following computer platforms:

- Windows XP / 7 (32-bit & 64-bit)
- Mac OS X Intel 10.5 or above (64-bit)
- Linux (64-bit)

The S2G software requires:

- A version 1.6 of the Java Runtime Environment
- 50 MB of hard disk space
- 1 GB RAM (Windows), 2 GB RAM (Linux, Mac OS X)

#### **1.2 Installation Packages**

An S2G distribution package consists of one archive for each supported computer platform:

	<b>32-bit</b>	<b>64-bit</b>
<b>Mac OS X Intel</b>	-	s2g-macosx.cocoa.x86_64.zip
<b>Linux</b>	-	s2g-linux.gtk.x86_64.zip
<b>Windows</b>	s2g-win32.win32.x86.zip	s2g-win32.win32.x86_64.zip

#### **1.3 Installation Hints**

In order to install S2G, the distribution package needs to be unzipped into the selected installation directory.

Please check Section 3 of the S2G user manual for further information about the installation steps.

### **2. NEW FUNCTIONALITIES**

This new release provides the following functionalities with respect to v2.0.1:

- S2G-AN-057: The traceability between data unit field hierarchy and hexadecimal views has been improved
- S2G-AN-059: Search capabilities include matching patterns including \*.
- S2G-AN-060: In order to improve performance for large files, S2G manages an internal cache storing indexes of the packets (i.e. offset from the beginning of the file) of files open previously.
- S2G-AN-061: The default behaviour of conceal button is set to "hide". The button status is persistent between S2G executions.
- S2G-AN-062: S2G supports the "import" of customized missions.
- S2G-AN-090: The CADU --> TF transformation implements the optional RS correction.
- S2G-AN-096: S2G provides a short cut to jump, in the data unit list view, to a data

- unit given its number inside the file.
- S2G-AN-097: S2G provides a short cut to jump, in the hexadecimal view, to a byte at a given offset.
  - S2G-AN-098: S2G preserves the columns width, in the open files, data unit list and data unit details views.
  - S2G-AN-102: The fields related to RS or CRC fields are marked as "unchecked" fields (e.g. using a blue icon, instead of using a green or red icon).
  - S2G-AN-103: An on-demand quality check for a specific selected data unit has been implemented. This quality check verifies all RS and CRC checks (as done in the "normal" report). This check is activated via a button on the data unit field view.
  - S2G-AN-104: The selected field in the field view when switching between selected files is preserved.
  - S2G-AN-105: A column has been added to the open file view to indicate the type of each file.
  - S2G-AN-107: A mechanism has been defined to selectively propagate error from ISPs and TFs to upper level data unit (TFs and CADU, respectively).
  - S2G-AN-108: S2G allows the execution of external scripts via a dedicated menu.
  - S2G-AN-109: S2G preserves the selection of the type of file in the "Open File" dialog. This selection is also preserved between S2G executions.
  - S2G-AN-121: In the Mission Explorer section of the Preferences the mission schema version is displayed.
  - S2G-AN-123: It is possible to export an existing Mission schemas jar file so that the user has access to it

### **3. CLOSED SPRS**

The following SPRs have been closed:

- S2G-AN-126: The tab of the view which has the focus is not graphically identified

## **4. ADDITIONAL COMMENTS AND KNOWN PROBLEMS**

### **4.1 Mission Support**

The S2G distribution package already includes mission configuration files for all supported missions.

The "Mission Files" section of the S2G website (<http://eop-cfi.esa.int/index.php/applications/s2g-data-viewer/mission-files>) contains the following mission data files for each supported mission:

- Any updates to the mission configuration files (XML files and schemas) wrt latest S2G version available in the website
- Example data files

### **4.2 Known Issues**

The current S2G release has the following limitations:

- User Manual has not been yet updated to describe new features implemented between v2.0 and v2.0.5

### **4.3 Hints and Tips**

Please check the S2G user manual for further information.

### **5. REPORTING PROBLEMS**

For any problems or questions please send an e-mail to the S2G helpdesk:  
*s2g@eopp.esa.int*