



SCS Scientific Computing System
NOAA Office Of Marine and Aviation Operations

Software Engineering Division
Marine and Aviation Cyber Center

Release Notes for SCS 5.0.64

Release Date: FEB 1, 2023

More about SCS: <https://scsshore.noaa.gov>

Related Documents: SCS User Manual

- View HTML Online - <https://scsshore.noaa.gov/help>
- Download a PDF - <https://scsshore.noaa.gov/Home/Downloads>

New Features/ Improvements/Fixed Issues

Data Disseminator

- Feature - For NOAA ships, SCS uses SMTP.AppID and SMTP.AppToken to send email notification and to submit packages. The setting is set during installation and saved into Data Disseminator config file. For other ships, the AppID is blank. (8774)
- Fixed - The <CR><LF> were ignored, this issue caused webship observations failed to be processed.

Events

- Improved - The event logger won't resume after an unplanned server reboot, now any running event will resume the operation automatically. (7977)
- Fixed - When user duplicated an event template, the image link was not copied over. User then had to re-add the image. (6570)
- Fixed - In the Event Builder, the exception thrown if the maximum Length, the display width or the number of lines is blank. (7975)
- Fixed - the title bar in the diagnostics window. (8358)
- Fixed - On the Templates page, the last updated date or last used data were blank. Now the information can be used to identify when the templates were updated or viewed or use. (7427)

CFE

- Feature - Add schema versioning to device configuration xml. (8651)
- Feature - SAMOS sensor suite control - The SCS System Administrator now is able to control what data fields included in the SAMOS package. (6855)
- Feature - Add schema download link to the configuration XML download page on FSDB details tab. (8725)
- Feature - Now auto-generated SAMOS items are visible and selectable in the Sensor Selector window. (6126)
- Feature - Create validation for Time data category in CFE derived. (7243)
- Improved - The Unspecified option is disallowed as a category option, it will trigger the validation error. (8910)
- Fixed - Calculated values (by default when created) are missing the hyphen in the display name. (7546)
- Fixed - When user build a new custom derived data item, user failed to select a base. (8722)
- Fixed - Error to add or delete the device images (8874)

ACQ

- Improved - When data logging disabled, ACQ will not release the COM ports, it continues to read but only the output stopped. That means, users can no longer access the COM ports unless stopping ACQ completely, not just disable the data logging. (7374)

Displays, Custom Messages,

- Fixed – Created a validation to prohibit special characters in any custom message templates in JSON format. (8833)
- Fixed - Manual Interface sensor with a pre-defined sentence label does not work. (8950)

Quality Assurance / Quality Control (QA/QC)

- Feature - Created a non-SAMOS true wind calculations included in the system QAQC. (8366)
- Improved - Improved the checksum functionality in QAQC. (8119)
- Improved - Add an optimized checksum for NMEA messages with checksum values given. (8104)
- Improved performance. (7951, 8493, 7403, 7267, etc.)

- Fixed - The query used for the Monitor's page. (7166, 7685)

Referenced Data Source

- Improved - Have the Data Field References page get live updates about faults and restores to the reference data sources (7170)
- Fixed - Though the details pane grid queries the system name of the list of references sources for a data field category, the main grid does not have that information if the details page is not loaded, which is often the case. (8626)

Data Extraction & Submission

- Feature - Add "get vessel metadata" API call to ODM or SCS. (8338)
- Improved - Removed derived and SAMOS data from NCEI except the true wind data. (8467 & 8339)
- Improved - Now the SAMOS package will contains all of the device configurations covered by the date ranges. (7814)
- Improved - The Data Cleanup page deleted any data older than the cutoff date from the message table and the quality_log table. Now the data cleanup also delete raw data files and any user type Data Extraction files (and corresponding DB records) that end before the cutoff date. (8324)
- Fixed - Data Extraction generated partial data for a particular date with multiple CFE publications. (8537)

Installer

- Improved - Get rid of 'MODIFY' feature from installer. (8271)

Others

- Improved - Improved the DB Restoration Process and create SOP (8517 & 8518 & 8520)
- Improved - Implement OnShutdown on all SCS Windows Services. (8634)
- Improved - SCS's Scheduler service had *mysqldump* errors. (8275)
- Fixed - Error and information logs in database older than 14 days will be cleaned up by Scheduler service. (6923)
- Fixed - Failed to upload files. (8870)
- Fixed - Corrected the home ports for Shimada, Rainier, and Bigelow. (8890)
- Fixed - Failed to submit tickets from SCS's top menu. (9068)