**Demande de DOI - Fiche de métadonnées du logiciel TSG-QC**

Mise à jour le 06 décembre 2018

Les champs 1-5 et 10 sont obligatoires (M = Mandatory).

Les autres champs sont soit recommandés (R), soit optionnels (O).

La citation sera du type : **Creator (PublicationYear): Title. Publisher. (resourceTypeGeneral). Identifier**

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| --- | --- | --- | --- |
| **1** | **Identifier** | 10.6096/TSG-QC | M |
| **2** | **Creator**  **Affiliation** | Jacques Grelet a,c, Yves Gouriou a,c, Gaël Alory b,d  a IMAGO, Brest, France  b LEGOS, CNES/CNRS/IRD/UPS, Université de Toulouse, Toulouse, France  c IRD, France  d CNAP, France | M |
| **3** | **Title** | TSG-QC: A tool for interactive quality control of sea surface temperature and salinity | M |
| **4** | **Publisher** | The French Sea Surface Salinity Observation Service (SSS OS) | M |
| **5** | **PublicationYear** | 2008 - 2018 | M |
| **10** | **RessourceType** | Software | M |
| **6** | **Subject** | SSS, Sea Surface Salinity, Sea Surface Temperature, quality control | R |
| **7** | **Contributor** | US191 IMAGO, IRD, LEGOS, Université de Toulouse, CNES, CNRS, UPS, CNAP | R |
| **8** | **Date** |  | R |
| **9** | **Language** | English | O |
| **11** | **AlternateIdentifier** |  | O |
| **12** | **RelatedIdentifier** | http://www.legos.obs-mip.fr/observations/sss/validation  <https://dx.doi.org/10.6096/SSS-LEGOS> | R |
| **13** | **Size** | Sources : 147 Mo, Exe : 762 Mo, Exe + runtime : 1.7 Go | O |
| **14** | **Format** | Matlab R2012b to R2018b, Export NETCDF 3.6  GOSUD 3.0 | O |
| **15** | **Version** | 1.5 | O |
| **16** | **Rights** | Publications using this software should acknowledge the SSS-OS (\*). Copies should be sent to the contact email (sss-contact@legos.obs-mip.fr) to help us pursue and improve this software.  (\*) The suggested sentence is: "The TSG-QC software was made freely available by the French Sea Surface Salinity Observation Service (http://www.legos.obs-mip.fr/observations/sss/)". | O |
| **17** | **Description** | TSG-QC is a tool for interactive analysis and validation of sea surface temperature and salinity data acquired from a Thermosalinograph (TSG) installed on research or commercial ships. It has been developed under Matlab.  It allows:   * Visualization of TSG variables: Temperature, salinity and ship speed * Interactive comparison with climatological values (WOA and ISAS) * Automatic quality control using selected threshold criteria * Data validation and adjustment with external measurements (water samples, collocated Argo data, CTD, ...) * Quantitative estimation of sensor drift   The software can deal with different input data formats: ASCII, Labview, GOSUD NetCDF...  The use of TSG-QC from sources requires a valid Matlab license. A compiled version is available free of charge for users who do not have a Matlab license. | R |
| **18** | **Geolocation** |  | R |
| **19** | **FundingReference** |  | O |

Landing page : http://www.ird.fr/us191/spip.php?article63