Geophysical Research Abstracts Vol. 20, EGU2018-16789, 2018 EGU General Assembly 2018 © Author(s) 2018. CC Attribution 4.0 license.



SAR-RDSAR: A new Service on G-POD for SAR and RDSAR Products

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The service SAR-RDSAR has been primarily developed as an offline processor prototype under the working title "PLRM FBR processor for CryoSat-2 at TU Darmstadt". The PLRM products were intended to serve as a reference solution to validate the SARvatore G-POD service in SAR mode and to support teaching at TU Darmstadt. Recently this processor prototype has been enhanced to compute RDSAR data in the coastal zone and SAR L1B and L2 data co-located to RDSAR. Various processing options have been implemented.

To allow open access to the results the processor is run by the ESA's G-POD service. Currently only the RDSAR processor for open ocean CryoSat-2 data is available to registered users. SAR processing will be available after final testing as well. Further options for the extension of the processing to Sentinel-3 data are developed and will be implemented soon.

This contribution gives a brief introduction to both the applied SAR-RDSAR algorithms and to their particular features for both CryoSat-2 and Sentinel-3A. Furthermore examples and results are given to show their quality and performance in comparison to publicly available SAR and RDSAR data products from other processors.