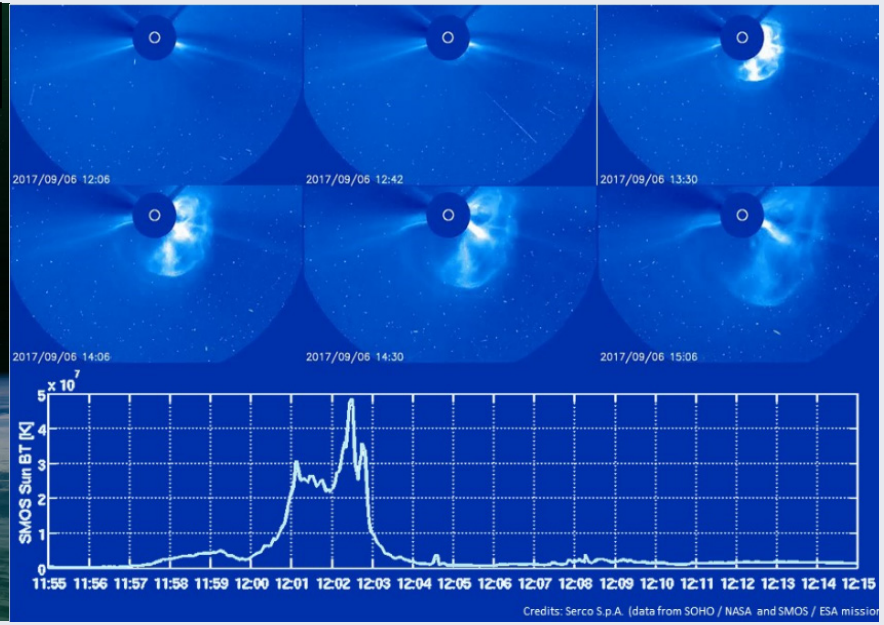

Solar Radio Burst as detected by SMOS on 6 September 2017

Abstract

The scope of the workshop is on one side to report the results of ESA projects exploring usage of SMOS dataset to retrieve L-band Solar Flux and Total Electron Content of the atmosphere and, on the other side, to collect feedback and interest from the Space Weather Community and Solar scientist about novel operational products and future joint studies focused to assess the impact of SMOS dataset in Space Weather models and/or applications. Final agenda will be distributed by 31 October 2022.

Reference

M. Flores-Soriano, C. Cid, R. Crapolicchio, "Validation of the SMOS Mission for Space Weather Operations: The Potential of Near Real-Time Solar Observation at 1.4 GHz", Space Weather, vol. 9, issue 3, March 2021, doi: 10.1029/2020SW002649.

R. Rubino *et al.*, "Deriving VTEC Maps from SMOS Radiometric Data," *Remote Sens.*, vol. 12, no. 10, p.1604, May 2020, doi: 10.3390/rs12101604.

L-BAND SOLAR FLUX | Research Project

(*) Participants are welcomed to attend the workshop in presence at ESRIN or in virtual mode by teleconference.
Please confirm your attendance by 15 October 2022 to Raffaele.Crapolicchio@esa.int