

# Black Sea SMOS Sea Surface Salinity products

These new SMOS Sea Surface Salinity (SSS) products specifically for the Black Sea region have been created under the funded ESA project ITT *Earth Observation data for Science and Innovation in the Black Sea (E04SIBS)* (contract 4000127237/19/I-EF).

## Products

Three different products are generated:

### L2

Daily map of SSS for ascending and descending satellite overpasses in a rectangular grid at  $0.25^\circ$  resolution, from 2011 to 2020.

### L3

Daily map of 9 day in a rectangular grid at  $0.25^\circ$  resolution, from 2011 to 2020.

### L4

Daily fused with the Copernicus Marine Service (CMEMS) with the identifier SST maps (CMEMS id: CMEMS\_SST\_BS\_SST\_L4\_REP\_OBSERVATIONS\_010\_022 ) in a rectangular grid at maps at  $0.05^\circ \times 0.05^\circ$  resolution, from 2011 to 2020.

## Related documents

- **Article:** Olmedo, E., González-Gambau, V., Turiel, A., González-Haro, C., García-Espriu, A., Gregoire, M., Álvera-Azcárate, A., Buga, L., and Rio, M.-H.: New SMOS SSS maps in the framework of the Earth Observation data

For Science and Innovation in the Black Sea, Earth Syst.  
Sci. Data Discuss. [preprint],  
<https://doi.org/10.5194/essd-2021-364>, in review, 2021.

- **Data Description and Quality report:**  
[BEC\\_PD\\_SSS\\_Black\\_L2\\_L3\\_L4.pdf](#)