

Multi-mission optimally interpolated sea surface salinity (OISSS)

Weekly (7-day time scale):

Data type: NetCDF

Variables	sea surface salinity [$1e^{-3}$], estimated empirical uncertainty of sea surface salinity [$1e^{-3}$]
Zonal	Global by 0.25 deg
Meridional	Global by 0.25 deg
Vertical	Surface
Temporal	August 28, 2011 to present by 4 days

File Naming Convention:

-OISSS_L4_multimission_global_7d_vx.x_YYYY-MM-DD,

where

- 7d – 7-day time scale,
- vx.x – version x.x
- [YYYY] is the year,
- [MM] is the month, and
- [DD] is the day of the weekly (7-day time scale) SSS map in the file.

Monthly:

Data type: NetCDF

Variables	monthly mean sea surface salinity [$1e^{-3}$], estimated empirical uncertainty of the monthly mean sea surface salinity [$1e^{-3}$], sea surface salinity anomaly relative to the product-based monthly climatology [$1e^{-3}$], climatological SSS based on multi-mission OISSS dataset from 09/2011 to 08/2021 [$1e^{-3}$].
Zonal	Global by 0.25 deg
Meridional	Global by 0.25 deg
Vertical	Surface
Temporal	September, 2011 to present by 1 month

For each calendar month, the monthly mean SSS field is the mean of weekly (7-day time scale) OISSS fields during the month.

Monthly climatological mean SSS fields are computed by averaging the corresponding monthly SSS fields over a 10-year period from September 2011 to August 2021.

Monthly SSS anomalies are determined by subtracting the corresponding monthly climatological means.

File Naming Convention:

-OISSS_L4_multimission_global_monthly_vx.x_YYYY-MM,

where

- vx.x – version x.x
- [YYYY] is the year,
- [MM] is the month of the monthly SSS map in the file.