Data related to the article:

Shelf Water Export at the Brazil-Malvinas Confluence Evidenced From Combined In-situ and Satellite Observations

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Oceanographic dataset of CTD, TSG and ADCP campaign in Uruguay during April-May 2016 (see the paper)

About the data: (Time is always in matlab datenum format)

There are 4 .mat files

CTD\_Manta\_etal\_2022.mat contains the 82 CTD profiles

# name 0 = prDM: Pressure, Digiquartz [db]

# name 1 = depSM: Depth [salt water, m]

# name 2 = t090C: Temperature [ITS-90, deg C]

# name 3 = sal00: Salinity, Practical [PSU]

# name 4 = t190C: Temperature, 2 [ITS-90, deg C]

# name 5 = sal11: Salinity, Practical, 2 [PSU]

# name 6 = flECO-AFL: Fluorescence, WET Labs ECO-AFL/FL [mg/m^3]

# name 7 = sbeox0Mg/L: Oxygen, SBE 43 [mg/l]

TSG\_Manta\_etal\_2022.mat is the TSG data with a 10 minute centered moving averaged and a very coarse calibration of the fluorometer (see the paper)

ADCP\_Manta\_etal\_2022.mat are u and v velocities from the hull munted adcp, matrices of depth (50)xtime(18500) processed with cascade and tide corrected. See the

Water\_samples\_Manta\_etal\_2022.mat contains mostly nutrients and clorophyll in surface

You can find more details about the data in the paper:

And here:  
<http://data.utm.csic.es/geonetwork/srv/eng/catalog.search#/metadata/urn:SDN:CSR:LOCAL:29SG20160408>