

Cruise PRIMO93 (CNR IT): Hydrographic measurements in the Sicily Channel and in the southern Tyrrhenian Sea, 8-23 November 1993

Date 2019-03-30

Temporal extent 1993-11-08 -1993-11-23

Author(s) Sparnocchia Stefania (<https://orcid.org/0000-0002-7834-7421>)¹, Borghini Mireno²

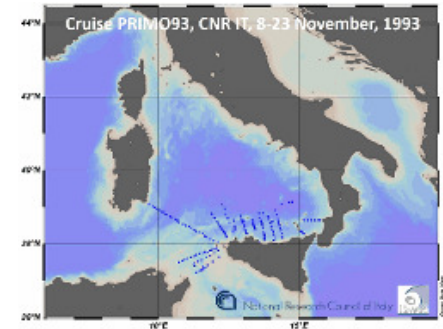
Affiliation(s) 1 : CNR-ISMAR, Trieste, Italy
2 : CNR-ISMAR, La Spezia, Italy

DOI 10.17882/59802 (<https://doi.org/10.17882/59802>)

Publisher SEANOE (<https://www.seanoe.org>)

Note In addition to properly cite this dataset, it would be appreciated that the following work be cited too, when using this dataset in a publication : Sparnocchia S., Gasparini G.P., Astraldi M., Borghini M., Pistek P. (1999): Dynamics and mixing of the Eastern Mediterranean Outflow in the Tyrrhenian basin. *Journal of Marine Systems*, 20(1-4), 301-317, DOI: 10.1016/S0924-7963(98)00088-8.

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(<http://www.seanoe.org/data/00486/59802/illustration.gif>) CTD stations in the Sicily Channel and in the southern Tyrrhenian Sea



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TXT

(<https://www.seanoe.org/data/00486/59802/export.txt>),

RIS

Abstract This data set contains the CTD data collected from the RV URANIA of the CNR (Italy) during the PRIMO93 cruise, from 8 to 23 November 1993, which was part of an intensive field program in the Sicily Channel and in the southern Tyrrhenian basin conducted by the Stazione Oceanografica of CNR in different periods from 1993 to 1995. It was used, in particular, for a study on the dynamics and mixing of the Eastern Mediterranean outflow in the Tyrrhenian basin (Sparnocchia et al., 1999).

The full-depth CTD profiles were performed using a Neil-Brown MKIIIb CTD, subjected to pre-cruise and post-cruise calibrations at the SACLANT Center of La Spezia. Furthermore, the salinity calibration was also carried out on board collecting water samples at standard depths, which were analyzed with an Autosal Guildline salinometer.

The estimated precisions were 0.0058 °C for temperature and 0.002 for salinity.

The data set is provided as an ODV Collection, which contains, for each station the following parameters:


Depth [m]

Temperature_IPTS-68 [deg C]

Conductivity [mS/cm]

Temperature_ITS-90 [deg C]

Salinity_PSS-78 (Practical Salinity)

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Acknowledgments This data set was collected by the group known as the Stazione Oceanografica (Oceanographic Station) of the CNR, Pozzuolo di Lerici, La Spezia, led by Mario Astraldi and Gian Pietro Gasparini. We are grateful to Mr. Carlo Galli and Mr. Egisto Lazzoni for their remarkable contribution in the field and in the laboratory work. The research was funded by the EU through the MAST program (Contracts MAS2-CT93-0061, GEODYME and MAS2-CT93-0066 EUROMODEL) and AVICENNA program (Contract AVI CT93 003-SALTO), and by the CNR Physical Committee. The experiment in the Sicily Channel was a contribution to the IOC Programmes POEM and PRIMO.

Sensor metadata Neil-Brown MKIIIb CTD

(<https://www.seanoe.org/data/00486/59802/export.ris>),
XLS

(<https://www.seanoe.org/data/00486/59802/export.xls>),
RTF

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BIBTEX

(<https://www.seanoe.org/data/00486/59802/export.bib>)

References

Sparnocchia S, Gasparini G.P, Astraldi M, Borghini M, Pistek P (1999). Dynamics and mixing of the Eastern Mediterranean outflow in the Tyrrhenian basin. Journal of Marine Systems, 20(1-4), 301-317. ([https://doi.org/10.1016/S0924-7963\(98\)00088-8](https://doi.org/10.1016/S0924-7963(98)00088-8))

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Data

File	Size	Format	Processing	Access
CTD profiles (http://www.seanoe.org/data/00486/59802/data/62936.zip)	2 MB	ODV (http://odv.awi.de/)	Quality controlled data	Open access

southern%20Tyrrhenian%20Sea%2C%208-23%20November%201993&)

([https://www.seanoe.org/data/00486/59802/#&url=https%3A%2F%2Fdoi.org%2F10.17882%2F59802&&title=Cruise%20PRIMO93%20\(CNR%20IT\)%3A%20Hydrographic%20measurements%20in%20the%20Sicily%20Channel%20and%20in%20the%20southern%20Tyrrhenian%20Sea%2C%208-23%20November%201993&](https://www.seanoe.org/data/00486/59802/#&url=https%3A%2F%2Fdoi.org%2F10.17882%2F59802&&title=Cruise%20PRIMO93%20(CNR%20IT)%3A%20Hydrographic%20measurements%20in%20the%20Sicily%20Channel%20and%20in%20the%20southern%20Tyrrhenian%20Sea%2C%208-23%20November%201993&))

How to cite

Sparnocchia Stefania, Borghini Mireno (2019). **Cruise PRIMO93 (CNR IT): Hydrographic measurements in the Sicily Channel and in the southern Tyrrhenian Sea, 8-23 November 1993.** SEANOE. <https://doi.org/10.17882/59802> (<https://doi.org/10.17882/59802>)

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