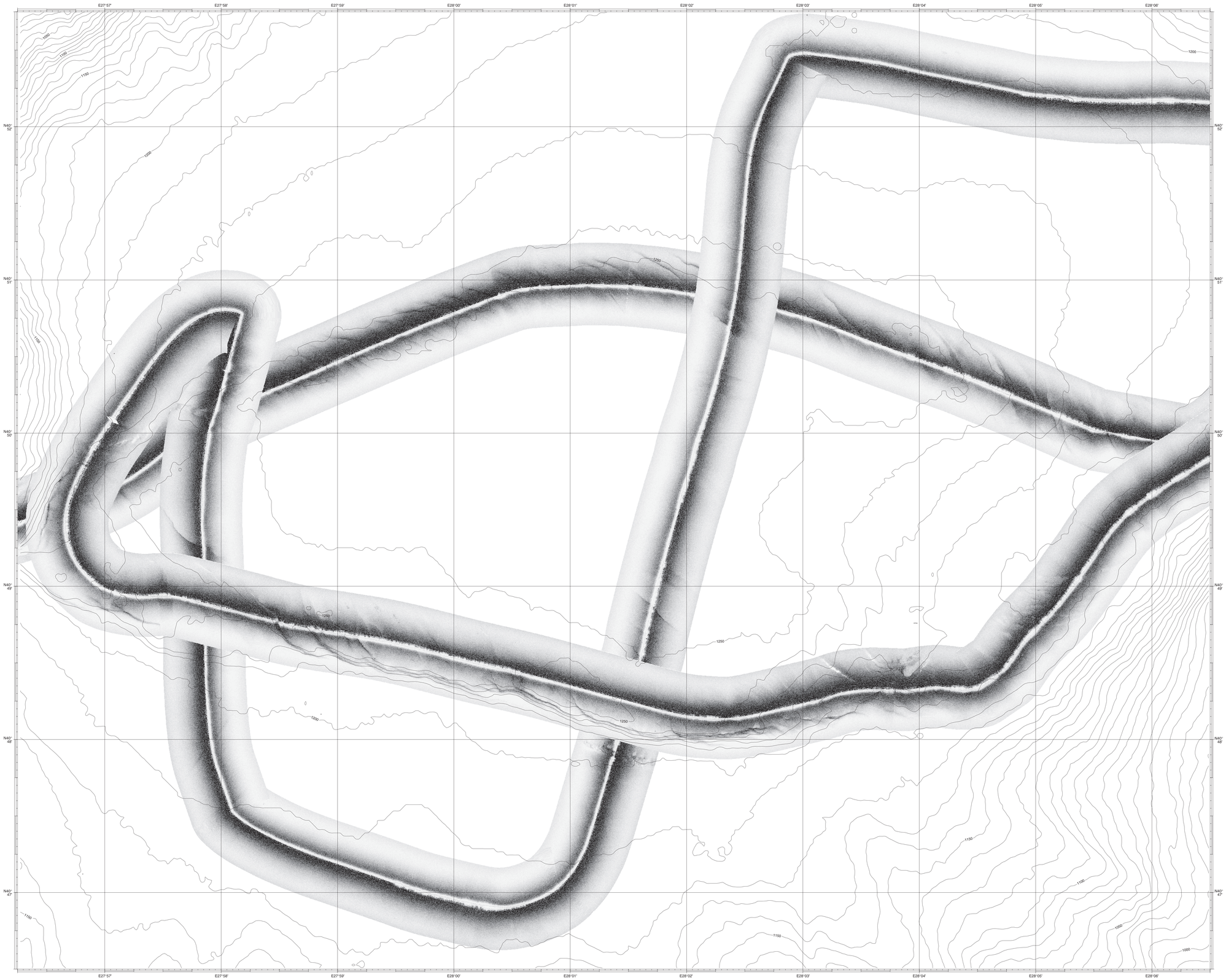


Ifremer

Plate : 9

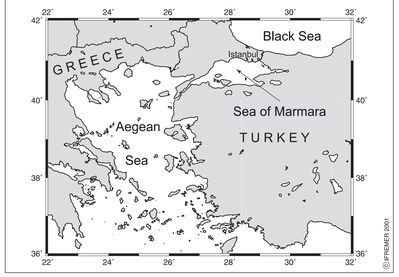
SEA of MARMARA

SAR (Side Scan Sonar)
CENTRAL BASIN

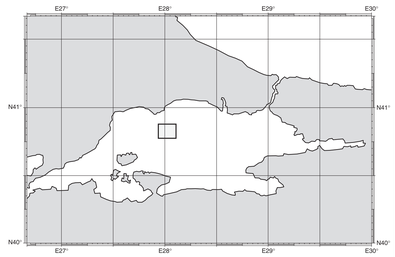
Data collected on board *R.V.* Le Suroît September 2000

Chief scientists : Xavier LE PICHON (Collège de France, ENS), Celal ŞENGÖR (ITÜ) and Emin DEMIRBAĞ (ITÜ) and onboard the scientific party
Atlas prepared by :
Scientific team : Claude **RANGIN** (CNRS-ENS),
Emin **DEMIRBAĞ** and Cansu **İMREN** (ITÜ).
Technical team : Alban **CRUSSON**, Alain **NORMAND**,
Eliane **Le DREZEN** (Ifremer) and André **Le BOT** (GENAVIR)

Scale 1/20 000
Mercator projection at N 0°
Ellipsoid WGS 84



LOCATION of the
CENTRAL BASINS SAR IMAGE



METHODOLOGY

Data acquisition :
Navigation : Ultra short Base Posidonia
Side scan sonar : Deep tow SAR (see booklet)

Post processing :
Caraibes software (see booklet)

MORPHOLOGICAL DESCRIPTION OF THE MAP

The SAR track image was plotted on a simplified 10 m interval contoured bathymetric map. The E-W trending SAR lines follow the deepest scarps of this basin.
The lowermost scarps are affected by N130° to N140° active faults. Although minor deformation is observable on the central N-S trending track, an E-W sparker profile (not shown here) reveals clearly vertical fault planes in the central part of the abyssal plain (see section 63 in plate 10).

Please consult the attached booklet for guidelines of morphological descriptions.

Warning : This map is scientific document, do not use for navigation.