PRELIMINARY CRUISE REPORT

Cruise name/number:	CALYPSO 2019

Authorizations:

Coastal State	Authorization Document Number	National Participant(s)
Spain	Note verbale 0046983	Eva Alou, Nikolaus Wirth, B. Casas

Scientist in charge of reporting:

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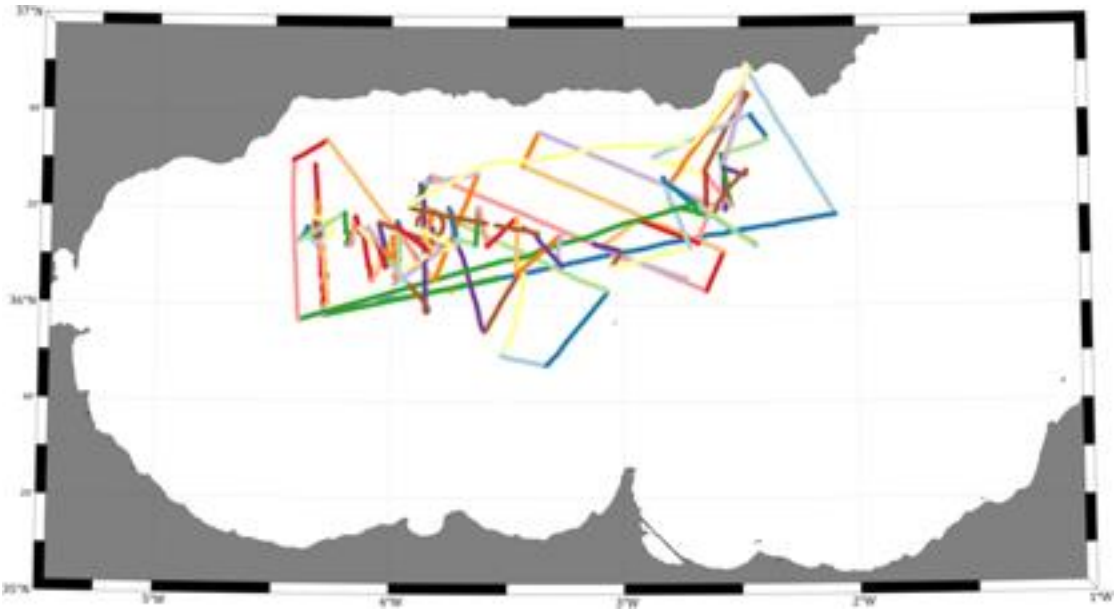
Brief description of scientific objective:

Characterization of an oceanic front in three dimensions. Measurements to capture the dynamics of the Almeria-Oran Front in the Western Mediterranean Sea. The campaign is to identify and observe frontogenesis in action, leading to intensification of vertical velocities. Surface drifters and satellite data are used to identiify fronts. Temperatue, salinity and velocity are meausured as a funtion of depth in repeated cross-front transects. Trajectories of neutrally buoyant floats are observed in three dimensions. Biogeochemical tracers and biological sampling reveal effects of vertical and horizontal transport at the front.

Update on anticipated dates for delivery of final results:

Metadata:	(locations of stations, variables measured, types of samples)
Raw Data:	Temperature, conductivity, doppler acoustics, bio-optics
Processed Data:	Salinity, velocity, cholophyll, oxygen, nitrate, phytoplankton characteristics
Data Analysis:	Drifter trajectories, float trajectories
WODC Data Registration (if applicable):	Accession number

Append image or URL illustrating the route of the platform, locations where measurements were taken, and actual cruise track:



Ship track along which measurements were taken between March 28 and April 11, 2019.

Réf :
DRAFT STANDARD FORM C
Art 249 from UN Covention of law of the sea