



HYPACK
a xylem brand

Sounding Better!

HYPACK® Used in the 1st Latin-American Course for Using Remote Sensors in the Study of Submerged Cultural Heritage

By Francisco Martin Lopez

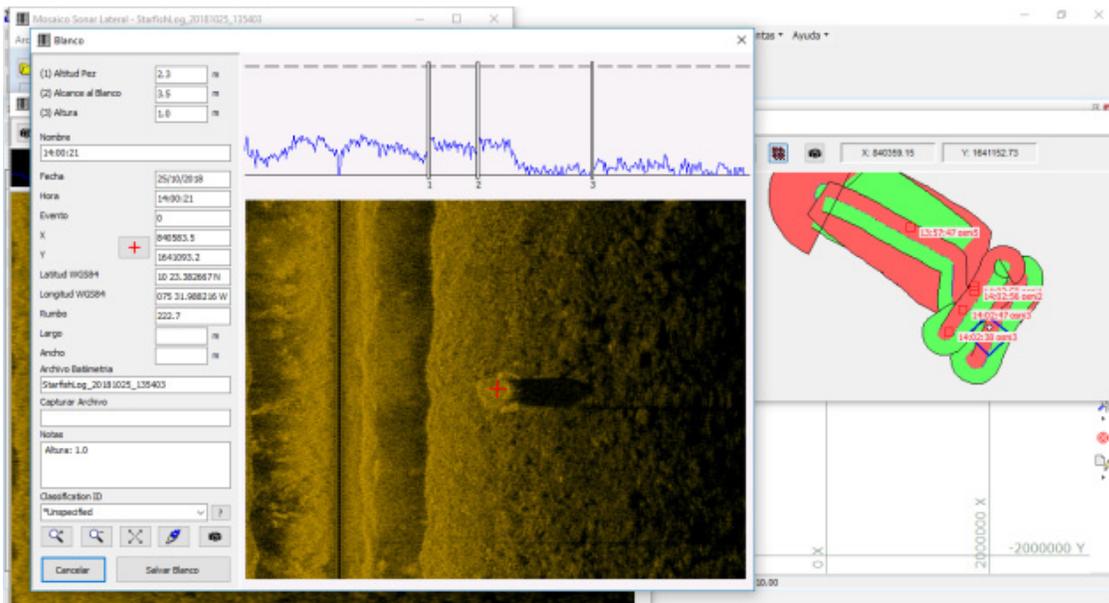
A workshop on “Sonar Sensors Applied to the Study of Submerged Cultural Heritage”, organized by the Faculty of Cultural Heritage at the University Externado de Colombia and the Centro de Investigaciones Oceanográficas e Hidrográficas CIOH-DIMAR, took place from October 22nd through the 25th, featuring several international and national lecturers.



The workshop included theoretical classes regarding the survey planification, exploratory operations and instrumental operation as well as practical sessions on board specially equipped survey boats. The classes introduced the students from the Archeology program to the hydrographic world, and showed them how to collect data from several sensors in the marine archeological context of the Cartagena Bay.



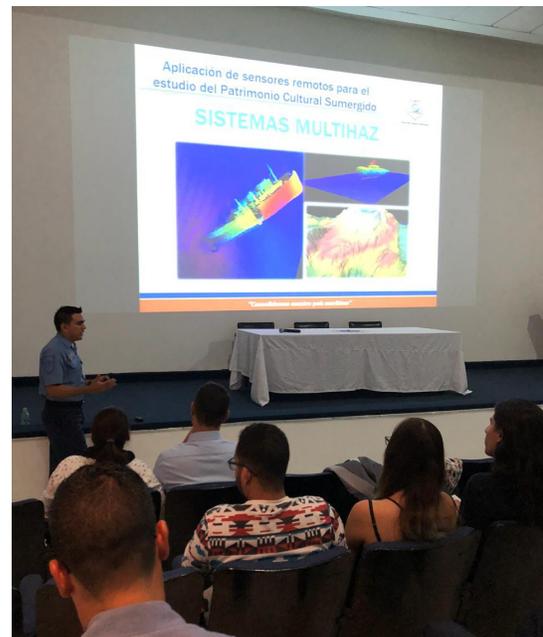
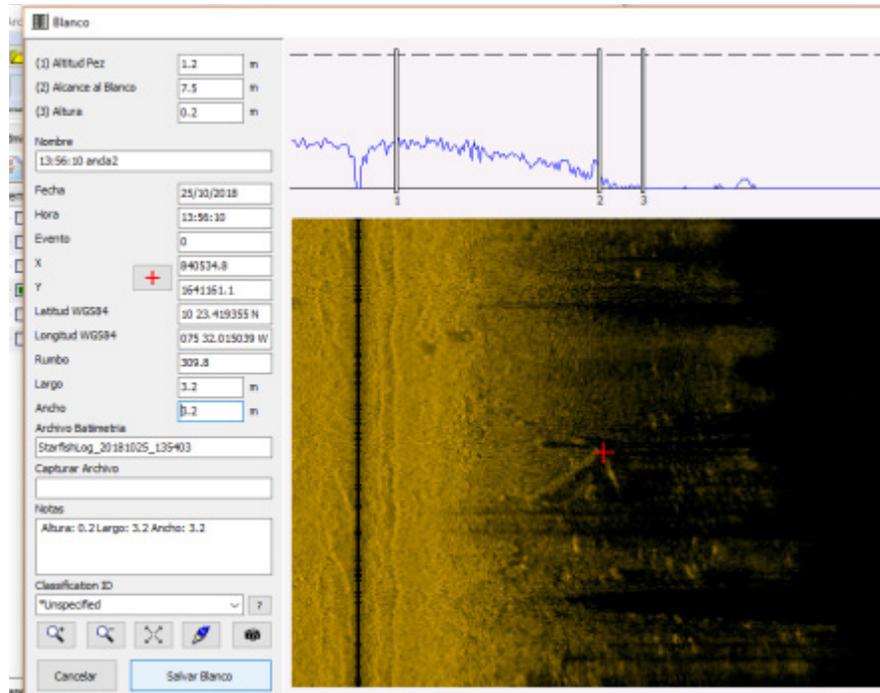
This workshop is part of the Submerged Cultural Heritage postgraduate program offered by the Universidad Externado de Colombia, with the support of Dirección Marítima CIOH-DIMAR, the Instituto Colombiano de Antropología e Historia, and the Clemson University. This program—the first one of this type in Latin America—emphasizes the use of sonar sensors in studies related to the submerged cultural heritage.



HYPACK–Xylem supported this event by providing a HYPACK® license through CLEDIRSA. HYPACK® demonstrations showed the students the tools available in the program to collect and process multibeam and side scan data used for bottom characterization of the submerged cultural heritage.

The workshop was held in the Centro de Investigaciones Oceanográficas e Hidrográficas (CIOH-DIMAR) in Cartagena. The course coordinator, Prof. Carlos del Cairo H, Archeologist and Professor of the Univ. Externado, commented, “it is important to strengthen the technical and technological capabilities for the study, management and protection of the submerged

archeological sites.” Another lecturer at the workshop was Alejo Cordero, an expert archaeologist from the Coordinating Group of Findings, Wrecks and Archaeological Material under the National Defense Secretary of Uruguay (GCH-PMA R.O.U), who remarked, “The International cooperation and the articulated actions between the academia and other institutions involved in the protection of the submerged cultural heritage is the right model to follow.”



Author: Xisco Martín López, Palma de Mallorca (España), Hidrógrafo en excedencia del Port de Barcelona y Geofísico. Integrante de la Fundación OLAS (Organización Latinoamericana de Arqueología Subacuática) y asesor científico en el equipo de exploración HMS Agamemnon GCH-PMA R.O.U.