

Sensors Metadata

General information

Identification	ID	
	long name	CTD SBE 16plus V2
	short name	CTD SBE 16plus V2
	manufacturer	Sea-Bird Electronics, Inc
	model	SBE 16plus v2 Seacat
	serial number	16P57353-6479, pH 7777 Durafet III: Y210456480007
Classification	application	Instrument that measures the conductivity, temperature, pressure, salinity and sound velocity
	type	
	observation measurements	Temperature in C, Pressure in dBar, Conductivity in S/m, Salinity in PSU, Sound velocity in m/s, pH in pH
Description	name	Instrument that measures the conductivity, temperature, pressure, salinity and sound velocity
	keywords	Sensor, Conductivity, Temperature, Pressure, Salinity, Sound velocity, pH
	text description	

Constrains

Security	text	
Time Range	start	25/02/2010
	end	No end date
Legislative framework	rights, description	Data ownership: UPC-SARTI
	URL document	http://www.upc.edu/cdsarti/OBSEA/mdSensors/Documentos/Plantilla%20acord%20confidencialitat%20de%20dades%20-%20UPC%20SARTI.pdf

Properties

Characteristics	physical properties	The equipment consists of a metal cylinder which accommodates the electronics and that is capable of withstanding high pressures
	memory	The 64 Mbyte FLASH RAM memory records 2 years of conductivity, temperature, and date/time data while sampling every 10 sec (other configurations/setup vary)
	battery	7 D-size alkaline batteries of 1,5Volts (Duracell MN1300, LR20)
	URL document	http://www.upc.edu/cdsarti/OBSEA/mdSensors/Datasheet/Datasheet_CTD16.pdf
Capabilities	text description	
	resolution, ranges	Resolution Temperature (0.0001 °C), Resolution Conductivity (0.00005 S/m), Resolution Pressure (0.002% of full scale range), Range Temperature (-5 to 35°C), Range Conductivity (0 to 9 S/m), Range Pressure (0 to 7000 m)
	quality	
	URL capabilities	http://esonet.epsevg.upc.es:8080/OostethysObseaSos/sos?VERSION=1.0.0&SERVICE=SOS&REQUEST=GetCapabilities

References

Contact	data provider	UPC SARTI, Centre Tecnològic de Vilanova i la Geltrú Rambla Exposició 24 Edifici, C - 08800 Vilanova i la Geltrú (Barcelona)
Documentation	URL document	http://www.cdsarti.org/

History

Installation	Dates, operator	Installed in OBSEA on 25/02/2010
Calibration	Dates, report	SBE Pressure Test Certificate: 10 Dec 2009, SBE Temperature Test Certificate: 30 Dec 2009, SBE Conductivity Test Certificate: 30 Dec 2009 http://www.upc.edu/cdsarti/OBSEA/mdSensors/Calibraciones/CTD16.pdf

Components

		pH instrument: electronic development for measuring pH probe based on Honeywell Durafet 7777 DVP
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Location

	postal address	
	latitude	41° 10.920'N (41°10'55.20"N)
	longitude	1° 45.141'E (1°45'8.46"E)
	height	Height above street level: (-)20 metros

Geographic coverage

Geographic coverage	bounding box	
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Data access

Address	URL	Web Interface: http://www.obsea.es/ SOS Server Oostethys: http://esonet.epsevg.upc.es:8080/OostethysObseaSos/ SOS Server 52 north: http://esonet.epsevg.upc.es:8080/52nObseaSos/ SOS Client 52 north : http://esonet.epsevg.upc.es:8080/52nObseaSos/ 1451 Server: http://esonet.epsevg.upc.es:1451/1451/ 1451 Client: http://esonet.epsevg.upc.es:8080/1451/testclient.htm
Constrains	description (text)	