

Sensors Metadata

General information

Identification	ID	
	long name	CTD SBE 37 SMP
	short name	CTD SBE 37 SMP
	manufacturer	Sea-Bird Electronics, Inc
	model	CTD SBE 37 SMP
	serial number	37SMP47472-5496
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
	text description	

Constrains

Security	text	
Time Range	start	29/05/2009
	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	Temperature and conductivity are stored 6 bytes/sample, time 4 bytes/sample, and optional pressure 5 bytes/sample
	battery	
	URL document	http://www.upc.edu/cdsarti/OBSEA/mdSensors/Datasheet/Datasheet_CTD37.pdf
Capabilities	text description	
	resolution, ranges	Resolution Temperature (0.0001 °C), Resolution Conductivity (0.00001 S/m), Resolution Pressure (0.002% of full scale range), Range Temperature (-5 to 35°C), Range Conductivity (0 to 7 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 29/02/2009
Calibration	Dates, report	SBE Temperature Test Certificate: 12 Feb 2011, SBE Pressure Test Certificate: 31 Jan 2011, SBE Conductivity Test Certificate: 12 Feb 2011 http://www.upc.edu/cdsarti/OBSEA/mdSensors/Calibraciones/CTD37.pdf

Components

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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)	