

Sensors Metadata

General information

Identification	ID	
	long name	WeatherStation Instrument 150WX
	short name	150WX
	manufacturer	Airmar
	model	150WX
	serial number	2727228
Classification	application	The Weather Station informs of instantaneous changes in the weather. The Wind Speed and Direction are measured using four ultrasonic transducers. The WAAS GPS generates navigation data
	type	
Description	observation measurements	Direction and speed of real and apparent wind, atmospheric pressure, air temperature, three-axis compass, wind chill
	name	The Weather Station informs of instantaneous changes in the weather. The Wind Speed and Direction are measured using four ultrasonic transducers. The WAAS GPS generates navigation data
	keywords	Sensor, Temperature, Pressure
	text description	WeatherStation 150WX

Constrains

Security	text	
Time Range	start	04/06/2013
	end	No end date
Legislative framework	rights, description	Data ownership: UPC-SARTI
	URL document	http://www.upc.edu/cdsarti/OBSEA/mdSensors/Documents/Plantilla%20acord%20confidencialitat%20de%20dades%20-%20UPC%20SARTI.pdf

Properties

Characteristics	physical properties	No moving parts make it durable and reliable
	memory	
	battery	
	URL document	
Capabilities	text description	http://www.upc.edu/cdsarti/OBSEA/mdSensors/Datasheet/Datasheet_Meteo%20Boia_v2.pdf
	resolution, ranges	Wind Speed Range (0 knots to 80 knots), Wind Speed Resolution (0.1 knots), Wind Direction Range (0° to 360°), Wind Direction Resolution (0.1°), Pitch and Roll Range/Accuracy (±50° / <1°), Air Temperature Range (-25°C to 55°C), Air Temperature Resolution (0.1°C), Air Temperature Accuracy (±1°C), Barometric Pressure Range (850 mbar to 1150 mbar), Barometric Pressure Resolution (0.1 mbar), Barometric Pressure Accuracy (±2 mbar), GPS Position Accuracy (3 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 04/06/2013
Calibration	Dates, report	

Components

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Location

	postal address	
	latitude	41°10'53.77"N
	longitude	1°45'6.33"E
	height	Height above street level: 3 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)	