

Sensors Metadata

General information

Identification	ID	
	long name	Vantage PrO
	short name	Vantage PrO
	manufacturer	Davis
	model	Vantage Pro2
	serial number	6150CEU
Classification	application	The Weather Station informs of instantaneous changes in the weather.
	type	
	observation measurements	Direction and speed of real and apparent wind, atmospheric pressure, air temperature, three-axis compass, wind chill
Description	name	
	keywords	Sensor, Temperature, Pressure, Wind chill
	text description	

Constrains

Security	text	
Time Range	start	08/11/2002
	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	
	memory	
	battery	3 C-cells, up to 9 months
	URL document	
Capabilities	text description	http://www.upc.edu/cdsarti/OBSEA/mdSensors/Datasheet/Datasheet_Meteo%20SARTI.pdf
	resolution, ranges	Wind Speed Range (2 to 156 knots), Wind Speed Resolution (1 knots), Wind Direction Range (0° to 360°), Wind Direction Resolution (0.1°), Wind Direction Accuracy (±3°), Air Temperature Range (-68°C to 64°C), Air Temperature Resolution (1°C), Air Temperature Accuracy (±2°C), Barometric Pressure Range (410 to 820 mm), Barometric Pressure Resolution (0.1 mm), Humidity Range (0 to 100% RH), Humidity Resolution (1%), Humidity Accuracy (±3% (0 to 90% RH)), Rainfall range (0 to 999.8 mm), Rainfall Resolution (0.01" or 0.2 mm), Rain Rate Range (0, 0.04"/hr (1 mm/hr) to 96"/hr (0 to 2438 mm/hr)), Rain Rate Resolution (0.01" or 0.2 mm), Soil Moisture range (0 to 200 cb), Soil Moisture Resolution (1 cb), Solar Radiation Range (0 to 1800 W/m2), Solar Radiation Resolution (1 W/m2)
	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 on 08/11/2002
Calibration	Dates, report	

Components

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Location

	postal address	8800
	latitude	41°13'24.82"N
	longitude	1°44'10.78"E
	height	Height above street level: 14 m.

Geographic coverage

Geographic coverage	bounding box	
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Data access

Address	URL	Web Interface: http://www.obsea.es/
		Meteoclimatic Web: http://www.meteoclimatic.com/perfil/ESCAT080000008800B
		WXQA Station Network: http://weather.gladstonefamily.net/site/D4719
		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)	