

Catálogo de variables meteoceánicas del sistema de observación de la ICTS SOCIB

21 de julio de 2023



Sistema de Observación
y Predicción Costero
de las Illes Balears



Capa superficial atmosférica

Variables		Units	Platforms														
		Weather Stations						Coastal Stations						Moorings			RV SOCIB ≈
		Barbaria	Esporles	Estellencs	Galfi	ParcBit	Salines	Cala Millor	Ciutadella	La Mola	Muro	Playa Palma	Son Bou	Canal Ibiza	Bahia Palma	Soller	
Air Pressure	hPa	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Air Temperature ¹	°C	●	●	●	●	●	●	●			●	●	●	●	●	●	●
Dew point Temperature ¹	°C													●	●		
Rain Accumulation ¹	mm	●	●	●	●	●		●			●	●	●				
Rain Duration	s	●	●		●	●						●					
Rain Intensity	mm·h ⁻¹	●	●		●	●		●			●	●	●				
Relative Humidity ¹	%	●	●	●	●	●	●	●			●	●	●	●	●		●
Surf. net Radiative Flux	W·m ⁻²						●							●	●		● ²
Wind Speed, and Direction ¹	m·s ⁻¹ , degree	●	●	●	●	●	●	●			●	●	●	●	●	●	●
Wind Gust Speed, and Direction	m·s ⁻¹ , degree	●	●	●	●	●	●	●			●	●	●	●	●	●	●

● Near real-time data ● Delayed time data ≈ Mobile platform

¹ Variables consideradas como productos ECV en el documento "[The 2022 GCOS ECVs requirements](#)"; ² Medidas en el marco de perfiles de CTD realizadas con el R/V SOCIB.

Capa superficial del mar

VARIABLES	UNITS	PLATFORMS																		
		Coastal Stations							Sea Level Stations						Moorings			Drifters	HF radar	RV SOCIB
		Cala Millor	Ciuta della	La Mola	Muro	Playa Palma	Son Blanc	Son Bou	Andratx	Colonia S. Pere	Pollensa	Porto Cristo	Sa Rapita	Sant Antoni	Canal Ibiza	Bahia Palma	Sóller	≈		≈
Air Pressure*	hPa								●	●	●	●	●	●				●		
Current Direction	degree	●	●	●	●	●		●							●	●	●	●	●	
Current Velocity	m·s ⁻¹	●	●	●	●	●		●							●	●	●	●	●	
Sea Level	m								●	●	●	●	●	●						
Water Pressure	psi		●	●			●		●	●		●	●							●
Water Temperature	°C		●	●			●		●	●	●	●	●		●	●	●	●		●
Wave Direction	degree	●				●		●							●	●	●			
Wave Height ¹	m	●			●	●	●	●							●	●	●			
Wave Period	s	●			●		●	●							●	●	●			

● Near real-time data ● Delayed time data ≈ Mobile platform * Only those observing platforms not included in the first table 1: "Surface Atmosphere"

Capa interior del mar, variables físicas y biogeoquímicas

VARIABLES	UNITS	PLATFORMS										
		Coastal Stations					Moorings			Argo	Glider	RV SOCIB
		Cala Millor	Ciutadella	La Mola	Son Blanc	Son Bou	Canal Ibiza	Bahia Palma	Sóller	≈	≈	≈
Chlorophyll Concentration	mg·m ⁻³						●	●			●	●
Current Direction	degree		●	●			●	●	●		●	●
Current Velocity	m·s ⁻¹		●	●			●	●	●		●	●
Colored dissolved organic matter	ppb						●	●			●	
Fractional Saturation of O ₂	-										●	
Mole concentration of dissolved molecular oxygen in sea water	umolH ⁻¹							●			●	
Radiation of PAR sensor	uE·m ⁻² ·s ⁻¹										●	
Sea Water Electrical Conductivity	mS·cm ⁻¹			●	●		●	●			●	●
Sea Water pH Reported	-						●	●				
Sea Water Practical Salinity	PSU				●		●	●		●	●	●
Sea Water Temperature	°C	●		●		●	●	●		●	●	●
Turbidity	NTU										●	

● Near real-time data ● Delayed time data ≈ Mobile platform

*Investigamos el mar,
compartimos futuro*

 **SOCIB** Sistema de Observación
y Predicción Costero
de las Illes Balears



c/ Isaac Newton, Edificio Naorte,
Bloque A, 2ª planta, puerta 3. ParcBit | 07121 Palma
Islas Baleares, España | Tel. +034 971 43 99 98



socib.es



@socib_icts



ICTS SOCIB