Data Center Facility

SOCIB
Balearic Islands
Coastal Observing
and Forecasting
System

SOCIB Balearic Islands Coastal Observing and Forecasting System — IMEDEA

Overview | Add map

Distances | Layers | Adjust map | Map permalink | Speed units

lon: -6.1162 lat: 42.3623 | Update in 13:27 | About | Dapp

Current deployments

Deployment name
SCB-CODEi002_SOCIB_EXP_RADAR_Sep2014
UIB-ODi004_SOCIB_EXP_RADAR_Sep2014
SCB-ODi007_SOCIB_EXP_RADAR_Sep2014
UIB-ODi006_SOCIB_EXP_RADAR_Sep2014
SCB-ODi006_SOCIB_EXP_RADAR_Sep2014
UIB-CODE004_MEDESS_EPR_AlboranSea_Sep2014
UIB-CODE005_MEDESS_EPR_AlboranSea_Sep2014
UIB-ODi009_MEDESS_EPR_AlboranSea_Sep2014
UIB-CODE015_MEDESS_EPR_AlboranSea_Sep2014
UIB-CODE003_MEDESS_EPR_AlboranSea_Sep2014
UIB-CODE014_MEDESS_EPR_AlboranSea_Sep2014
UIB-CODE013_MEDESS_EPR_AlboranSea_Sep2014
UIB-CODE012_MEDESS_EPR_AlboranSea_Sep2014
UIB-ODi010_MEDESS_EPR_AlboranSea_Sep2014
UIB-CODE010_MEDESS_EPR_AlboranSea_Sep2014
UIB-CODE008_MEDESS_EPR_AlboranSea_Sep2014
IME-SVP007_PERSEUS_EPR_ALBOREX_May2014
IME-SVP016_PERSEUS_EPR_ALBOREX_May2014
OGS-SVP002_PERSEUS_EPR_ALBOREX_May2014

Completed deployments

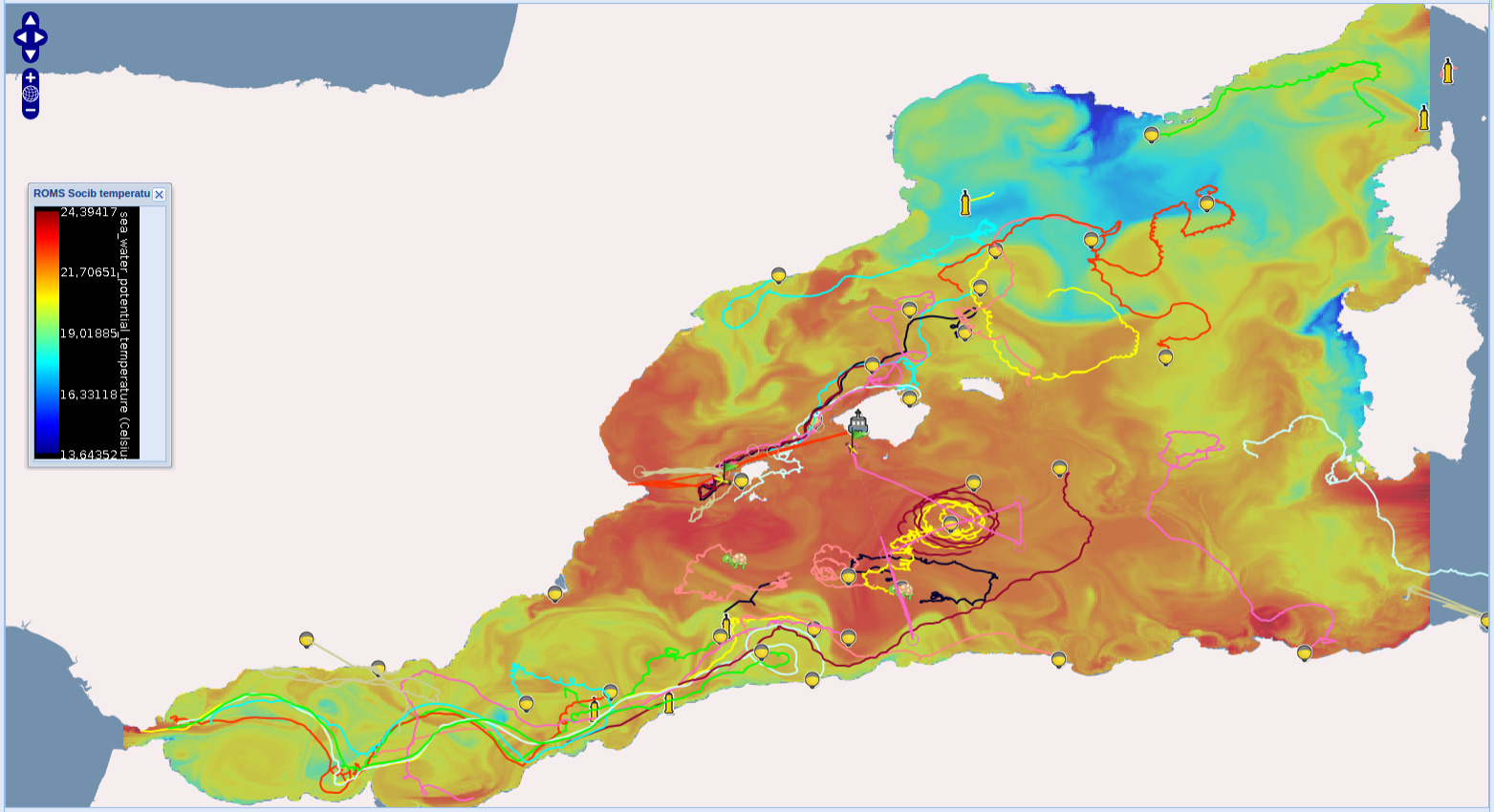
Deployment name
Glider
GF-MR-0030_JERICO_TNA_Abacus_Nov2014_sdeep01...
SOCIB-ENL-Canales-Oct2014_ideep00
GF-MR-0030_JERICO_TNA_Abacus_Sep2014_sdeep01...
GF-MR-0030_JERICO_TNA_Abacus_Sep2014_sdeep01...
SOCIB_ENL_Canales_Jul2014_2ndattempt_sdeep01
SOCIB_ENL_Canales_Jul2014_sdeep01
SOCIB_ENL_Canales_Jun2014_sdeep00
SOCIB_EPR_alborex-May2014_icoast00
SOCIB_EPR_alborex-May2014_ideep00
SOCIB_ENG_2ndButterly-May2014_ideep00
SOCIB_ENG_2ndButterly-May2014_icoast00

Filter deployments

Status: Active | Completed | All

Platform types:
- Glider
- Profiler drifter
- Research Vessel
- Surface drifter
- Turtle

Filter



Additional information

	Deployment name	Deployment date	Last call time	Point density	Last N days	Actions and links
	SCB-APEX003_SOCIB_ENL_CanalDe...	2013-06-20 10:00:00	3 days, 23 hours and 18 minutes ago		30 /502	Actions and links
	OGS-PROVBIOLL001_PERSEUS_EP...	2014-05-25 08:00:00	2 days, 20 hours and 26 minutes ago		30 /164	Actions and links
	SCB-APEX002_SOCIB_ENL_CanalDe...	2013-05-01 10:00:00	4 days, 17 hours and 58 minutes ago		30 /551	Actions and links
	SCB-APEX001_SOCIB_ENL_Balearic...	2012-08-12 08:00:00	3 days, 12 hours and 23 minutes ago		30 /814	Actions and links

SOCIB Balearic Islands Coastal Observing and Forecasting System

Kristian Sebastian

Equipment | Deployments | Models | Classification | Data | Locations | Inventory | Processing | Utils

SOCIB Management | Platforms | Instruments | Process

Search...

Name	*Platform type	*Photo available
Drifter_SVP057	Drifter > Surface drifter	
Drifter_SVP058	Drifter > Surface drifter	
Drifter_SVP059	Drifter > Surface drifter	
Drifter_SVP060	Drifter > Surface drifter	
Drifter_SVPF001	Drifter > Surface drifter	
Ebro_Flowmeter_Station	Mooring > Flowmeter	
HF_Radar_Ibiza	HF-Radar	
icoast00	AUV > Glider	
ideep00	AUV > Glider	
ideep01	AUV > Glider	
ideep02	AUV > Glider	
IDrifter002	Drifter > Surface drifter	
IDrifter003	Drifter > Surface drifter	
IDrifter004	Drifter > Surface drifter	
IEO_CTD_SBE_19_CAGE	CTD	
Mobims_CalaMillor	Mooring > Coastal Station	yes
Mobims_PlayaDePalma	Mooring > Coastal Station	yes
Mobims_SonBou	Mooring > Coastal Station	yes
Profiler_Drifter_ARVORA3001	Drifter > Profiler drifter	
Profiler_Drifter_ARVORC001	Drifter > Profiler drifter	
Profiler_Drifter_PROVBIOLL...	Drifter > Profiler drifter	
Ramon_Margalef_RV	Research Vessel	
Roseta001	Rosette	
sdeep00	AUV > Glider	
sdeep01	AUV > Glider	
sdeep02	AUV > Glider	
sdeep03	AUV > Glider	
SOCIB_RV	Research Vessel	
Station_Andratx	Mooring > Sea Level	yes
Station_Ciutadella	Mooring > Coastal Station	yes
Station_Esporles	Mooring > Weather Station	yes
Station_Galfi	Mooring > Weather Station	yes
Station_LaMola	Mooring > Coastal Station	yes
Station_ParcBit	Mooring > Weather Station	yes
Station_Pollensa	Mooring > Sea Level	yes
Station_Salines	Mooring > Weather Station	
Station_SaRapita	Mooring > Sea Level	yes
TEST	Mooring > Oceanographic Buoy	
Turtle_Calypso	Animal > Turtle	yes
Turtle_KonTiki	Animal > Turtle	

Buoy_BahiaDePalma

Platform | Instruments | States | Image

Installed instruments

Open instrument | Platform | Sensor

Name	UTC install date	UTC uninstall date	*Height	is fixed
SCB-AXYS001	2012-10-16 07:48:08			no
SCB-FSI001	2012-10-16 07:48:46		1.5	no
SCB-MET008	2012-10-16 07:48:46			no
SCB-SBE37005	2012-10-16 07:51:21		1	no
SCB-SONTEK001	2012-10-16 07:48:20			no
SCB-WAVE002	2012-10-16 07:48:08			no
SCB-YSI003	2014-06-06 12:00:00		1	no
SID-CIT001	2014-06-06 12:00:00			no

available instruments

Platform | Sensor

Search...

Name	Model	*Photo available
IEO-SBE25001		
IME-AQD001	Aquadopp 2KL 2Mhz	
IME-AQD002	Aquadopp 2KL 2Mhz	
IME-AQP001	Aquadopp profiler 1...	
IME-AQP002	Aquadopp profiler 1...	
IME-AQP003	Aquapro profiler 1MHz	
IME-AQP004	Aquapro profiler 1MHz	
IME-AQP005	Aquadopp profiler	
IME-BUOY001	Data Buoy 4700	yes
IME-DEX001	DEX	
IME-LICOR001	LI-192SA	
IME-MET001	AWS 2700	
IME-MSAL001	MS-310	
IME-SBE19001	SBE19	
IME-SBE25001	SBE25	
IME-SBE26001	SBE26	yes
IME-SBE26002	SBE26	yes
IME-SBE37001	SBE37	
IME-SBE37002	SBE37	
IME-SVP005	WOCE SVP ARGOS	
IME-VACCA	Imedea Homemade	yes
IME-VEC001	Vector	
IME-VEC002	Vector	
IME-VEC003	Vector	
IME-VEC004	Vector	
IME-VEC005	Vector	
IME-VEC006	Vector	
IME-VEC007	Vector	
IME-VEC008	Vector	
IME-WH001	Workhorse Monitor ...	
IME-WH002	Workhorse Monitor1...	
PIB-BARO001	278	
PIB-BARO002	278	
PIB-BARO003	278	
PIB-BARO004	278	
PIB-BARO005	278	

CTD_SBE90 for SOCIB_RV input configuration (instrument process)

*Sensor Variable	Selected PV group	*Order
DEPTH	DEPTH (depth)	2
WAT_PRE	WTR_PRE (sea_water_pressure)	3
WAT_TEMP_01	WTR_TEM_01 (sea_water_temperature)	4
WAT_TEMP_02	WTR_TEM_02 (sea_water_temperature)	5
WAT_COND_01	COND_01 (sea_water_electrical_conductivity)	7
WAT_COND_02	COND_02 (sea_water_electrical_conductivity)	8
WAT_SAL_01	SALT_01 (sea_water_practical_salinity)	10
WAT_SAL_02	SALT_02 (sea_water_practical_salinity)	11
OXI	OXI_CON (mass_concentration_of_oxygen_in_sea_water)	16
NET_RAD	NET_RAD (surface_net_downward_radiative_flux)	17
FLUO	CHLO (mass_concentration_of_chlorophyll_in_sea_water)	19
WAT_TURB	TURB (turbidity_of_sea_water)	20

Save | Information | Reset | Close

*Calibrations

Sensor	Variable	Date	Expression
APRE-IME-BUOY001	AIR_PRE (air_pressure)	2011-06-16 07:18:00	a0+a1*x
ATEMP-BUOY001	AIR_TEM (air_temperature)	2011-06-16 07:35:00	a0+a1*x+a2*x^2
BORI-BUOY001	PLAT_ORI (platform_orientation)	2011-06-16 07:28:00	a0+a1*x
BVOL-BUOY001	VOLT (voltage)	2011-06-16 07:28:00	a0+a1*x
COND-BUOY001	WTR_TEM_10 (sea_water_temperat...	2011-06-16 07:29:00	a0+a1*x
COND-BUOY001	COND (sea_water_electrical_conduc...	2011-06-16 07:28:00	a0+a1*x
DCS-01mBUOY001	WTR_TEM_01 (sea_water_temperat...	2011-06-16 07:32:00	a0+a1*x
DCS-01mBUOY001	CUR_SPE_01 (sea_water_speed)	2011-06-16 07:32:00	a0+a1*x
DCS-01mBUOY001	CUR_DIR_01 (direction_of_sea_wat...	2011-06-16 07:32:00	a0+a1*x
DCS-09mBUOY001	WTR_TEM_09 (sea_water_temperat...	2011-06-16 07:33:00	a0+a1*x

TideStation_SeaLevel

*Processing variables | ***Deriving functions** | *QC Variables

*Execution order	*Name
1	unitConversion
2	unitConversion
3	calculateSeaLevel
4	gradient

1 unitConversion
***In parameters:** APRE
***Out parameters:** APRE_Pa
***Additional parameter:**

2 unitConversion
***In parameters:** WPRE
***Out parameters:** WPRE_Pa
***Additional parameter:**

3 calculateSeaLevel
***In parameters:** APRE_Pa, WPRE_Pa
***Out parameters:** SLEV
***Additional parameter:** 1024

4 gradient
***In parameters:** SLEV
***Out parameters:** GRAD
***Additional parameter:** 60

Codar_HF_Radar

*Processing variables | *Deriving functions | ***QC Variables**

*Name	*Priority	*Processing variable
QC_RABA_DIFF_GALF	1	RABA_DIFF_GALF
QC_RABA_DIFF_FORM	2	RABA_DIFF_FORM
QC_RABA_GALF	3	RABA_GALF
QC_RABA_FORM	4	RABA_FORM
QC_SSN	5	SSN
QC_RADV	6	RADV
QC_WSPE_DIR	7	WSPE_DIR
QC_WSPE	8	WSPE
QC_U	9	U
QC_V	10	V

GitHub | This repository | Search | Explore | Features | Enterprise | Blog | Sign up | Sign in

socib / glider_toolbox

Star 0 | Fork 0

MATLAB/Octave scripts to manage data collected by a glider fleet, including data download, data processing and product and figure generation, both in real time and delayed time.

291 commits | 3 branches | 1 release | 1 contributor

branch: master | glider_toolbox / +

Merge branch 'develop'

joanpau authored on Aug 7 — latest commit bf4e93ec4b

m	Fix bad handling of no data loaded.	3 months ago
notes	Update delayed time processing outline diagram and Makefile.	4 months ago
.gitignore	Add FTP-like class for SFTP connections based on libssh.	4 months ago
LICENSE	Added GPLv3 license file and copyright notice to every file.	2 years ago
Makefile	Update delayed time processing outline diagram and Makefile.	4 months ago
README.md	Updated README file.	4 months ago

Code | Issues 0 | Pull Requests 0 | Pulse | Graphs

HTTPS clone URL

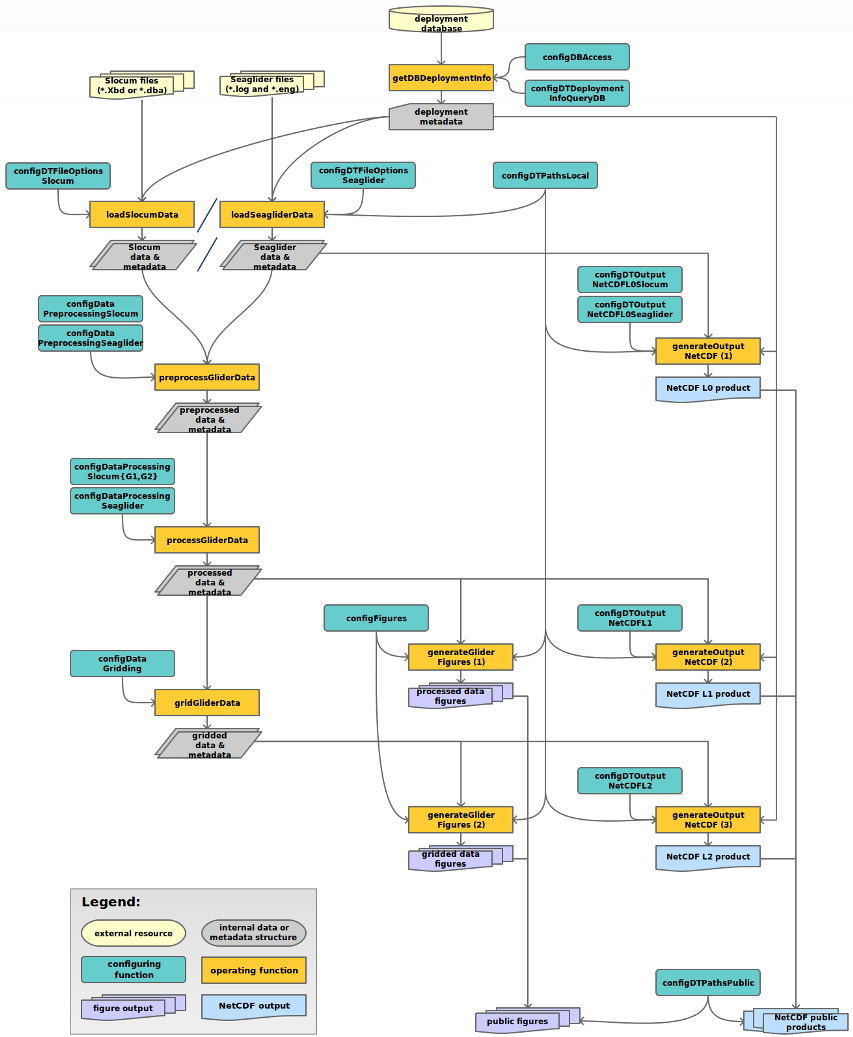
https://github.cc

You can clone with HTTPS or Subversion.

Download ZIP

Features

- Two main scripts to perform real time and delayed time data processing:
  - `main_glider_data_processing_rt`
  - `main_glider_data_processing_dt`
- Support for different glider models:
  - Slocum G1 and G2
  - Seaglider
- Deployment metadata gathering from virtually any database.
- File retrieval from multiple dockservers/basestations for real time processing.
- Improved Slocum and Seglider raw data loading from ascii files.
- Data processing, including:
  - unit conversions
  - factory calibrations
  - corrections, with optional parameter estimation
  - derivations
- Data interpolation over instantaneous regular vertical profiles.
- Generation of figure products.
- Generation of NetCDF data products.



SOCIB WMOP currents model visualization

SOCIB Balearic Islands Coastal Observing and Forecasting System

Cambiar a mapa

Ruta al servicio ncWMS del catálogo thredds

lw4nc

SOCIB WMOP currents model visualization | Data access | More information

Controles

Oct 2014

Mo	Tu	We	Th	Fr	Sa	Su
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Selección de tiempo

00:00:00.000Z

Selección de variable

- Temperatura
- Superficie Libre
- Salinidad
- Velocidad
- Velocidad Barotrópica

Selección de opacidad

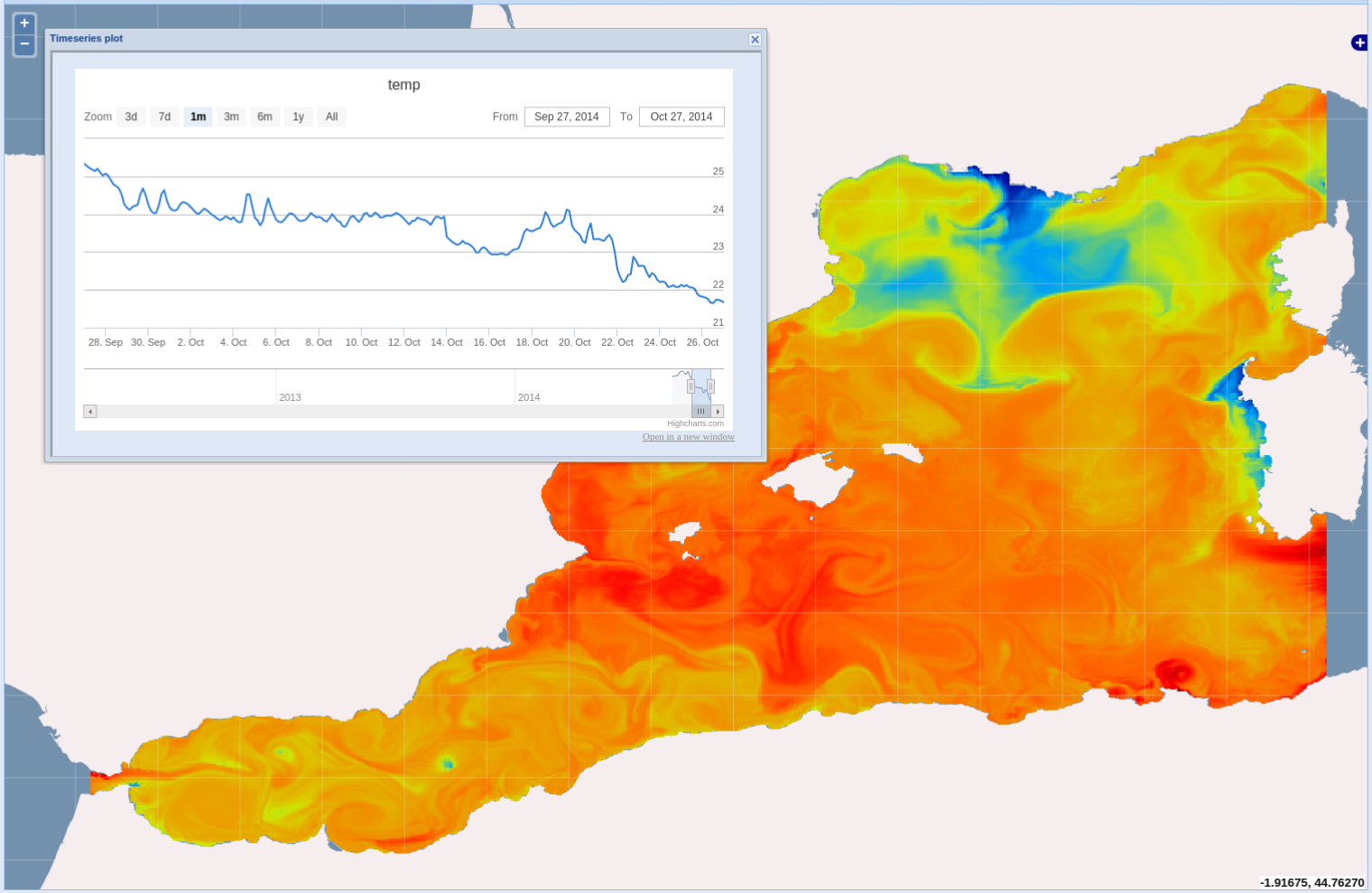
Desactiva

Trazar transecto

Añadir marcadores con valores

Muestra el control de animación

Ayuda



Información

Selección de estilo

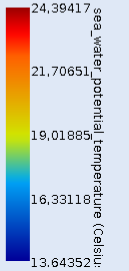
boxfill

sst_36

Vector size: 1

Selección de escala

Superior: 24.394175



Inferior: 13.64352

Por defecto

Mín/Máx auto.

Valor en cursor de ratón

Atributo	Valor
Actual	No value
Latitud	45.13
Longitud	-1.97

Información de capa

Atributo	Valor
Unidades	Celsius
Borde izq.	-5.8
Borde inf.	34.9
Borde der.	9.2
Borde sup.	44.71
Escala leye…	11.5,28.0
Estilos	boxfill,contou
Tiempo más…	2014-10-27

Catalog http://thredds.socib.es/thredds/catalog.html

Dataset	Size	Last Modified
SOCIB DATA		--
observational		--
satellite/		--
mooring/		--
drifter/		--
auv/		--
hf_radar/		--
research_vessel/		--
aggregated_data/		--
operational_models		--
oceanographical		--
hydrodynamics		--
wmop/		--
wmopv2/		--
model_run_aggregation		--
wmopv2/		--
wave		--
sapo_ib/		--
model_run_aggregation		--
sapo_ib/		--
ancillary_data/		--
TEST DATA/		--

SOCIB TDS at SOCIB see Info
THREDDS Data Server [Version 4.3.20 - 20140314.1317] Documentation

SOCIB TDS
THREDDS Data Server

Catalog http://thredds.socib.es/thredds/catalog/operational_models/oceanographical/

Dataset: 11/sapo_ib_swan_20141107000000.nc

- *Data size:* 199.1 Mbytes
- *Data type:* GRID
- *ID:* operational_models/oceanographical/wave/sapo_ib/2014/11/sapo_ib_swan_20141107000000.nc

Access:

1. **OPENDAP:** /thredds/dodsC/operational_models/oceanographical/wave/sapo_ib/2014/11/sapo_ib_swan_20141107000000.nc
2. **HTTPServer:** /thredds/fileServer/operational_models/oceanographical/wave/sapo_ib/2014/11/sapo_ib_swan_20141107000000.nc
3. **WCS:** /thredds/wcs/operational_models/oceanographical/wave/sapo_ib/2014/11/sapo_ib_swan_20141107000000.nc
4. **WMS:** /thredds/wms/operational_models/oceanographical/wave/sapo_ib/2014/11/sapo_ib_swan_20141107000000.nc
5. **NetcdfSubset:** /thredds/ncss/grid/operational_models/oceanographical/wave/sapo_ib/2014/11/sapo_ib_swan_20141107000000.nc
6. **NCML:** /thredds/ncml/operational_models/oceanographical/wave/sapo_ib/2014/11/sapo_ib_swan_20141107000000.nc
7. **UDDC:** /thredds/uddc/operational_models/oceanographical/wave/sapo_ib/2014/11/sapo_ib_swan_20141107000000.nc
8. **ISO:** /thredds/iso/operational_models/oceanographical/wave/sapo_ib/2014/11/sapo_ib_swan_20141107000000.nc
9. **SOS:** /thredds/sos/operational_models/oceanographical/wave/sapo_ib/2014/11/sapo_ib_swan_20141107000000.nc

Dates:

- 2014-11-07T05:29:13Z **(modified)**

Viewers:

- Godiva2 (browser-based)
- NetCDF-Java ToolsUI (webstart)
- Integrated Data Viewer (IDV) (webstart)
- Iw4nc2

SOCIB Balearic Islands Coastal Observing and Forecasting System

jwebchart

Controls

Variables (click to view)

Var	Name	Units
AIR_TEM	Air temperature	C
WIN_SP...	Maximum wind speed	m s-1
WIN_DI...	Maximum wind from direction	degree
WIN_SPE	Wind speed average	m s-1
WIN_DIR	Wind from direction average	degree
AIR_PRE	Air pressure	hPa
AIR_PR...	Air pressure	hPa
REL_HUM	relative_humidity	%
RAIN_INT	rain_intensity	mm h-1
RAIN_DUR	rain_duration	s
RAIN_ACC	rain_accumulation	mm
RAIN_IN...	rain_peak_intensity	mm h-1
VOLT	voltage	V

jWebChart 2.8 (http://thredds.socib.es/thredds/dodsC/mooring/weather_station/station_esporles-scb_met003/L1/dep0002_station-esporles_scb-met003_L1_latest.nc)

Sync zoom

View in OpenDap | webNcDump | Help | About jWebChart

Chart for Air temperature (AIR_TEM)

Show QC

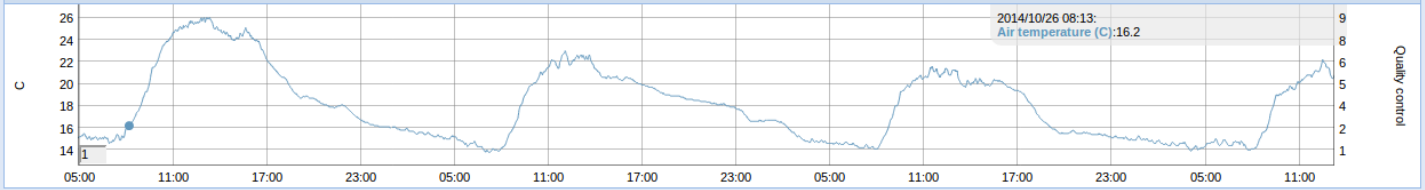


Chart for Maximum wind speed (WIN_SPE_GUS)

Show QC

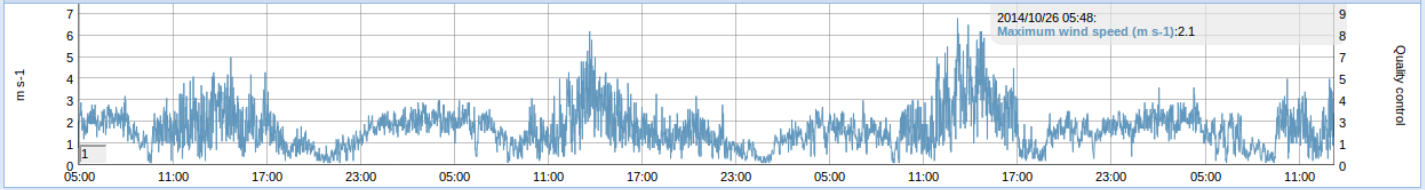
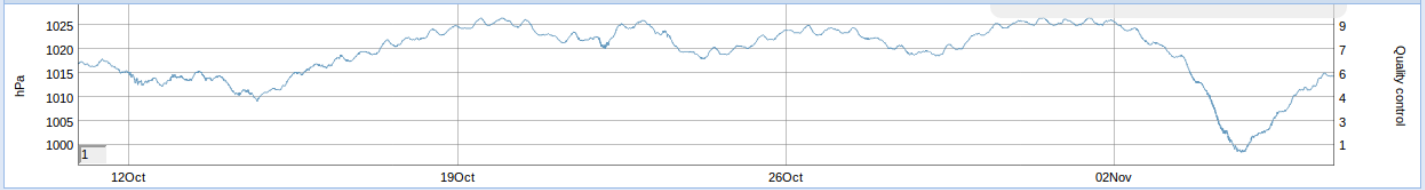


Chart for Air pressure (AIR_PRE)

Show QC



SOCIB Balearic Islands Coastal Observing and Forecasting System

Govern de les Illes Balears

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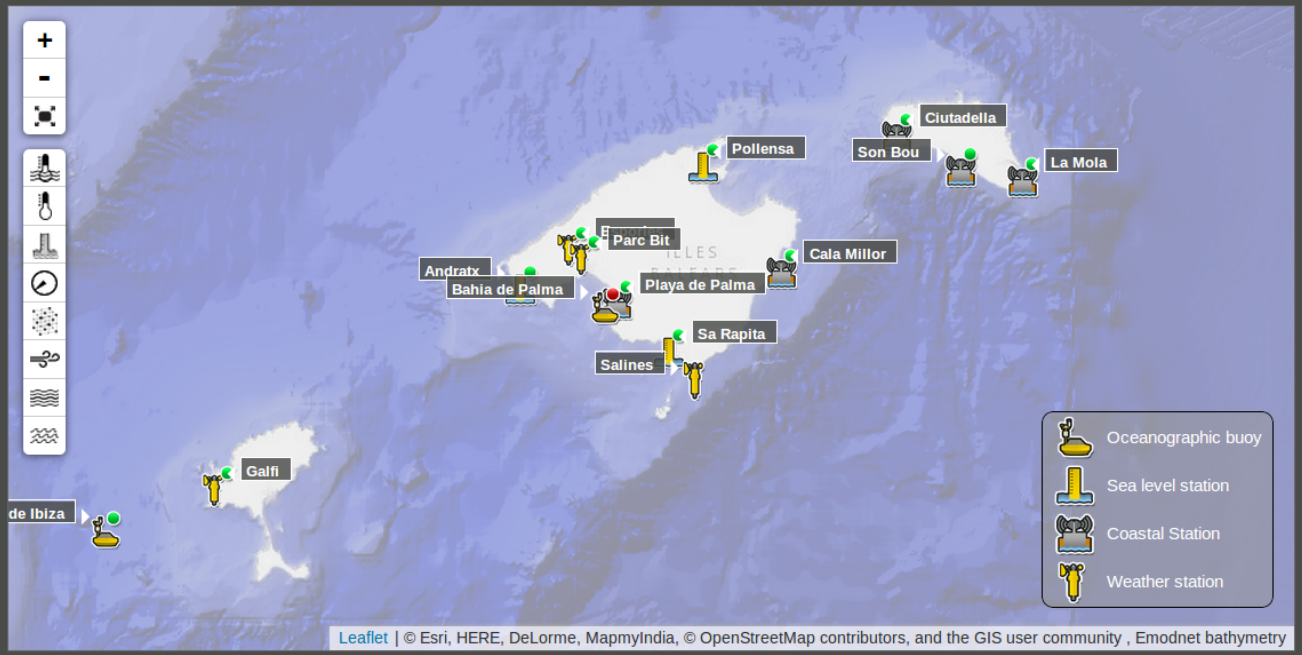
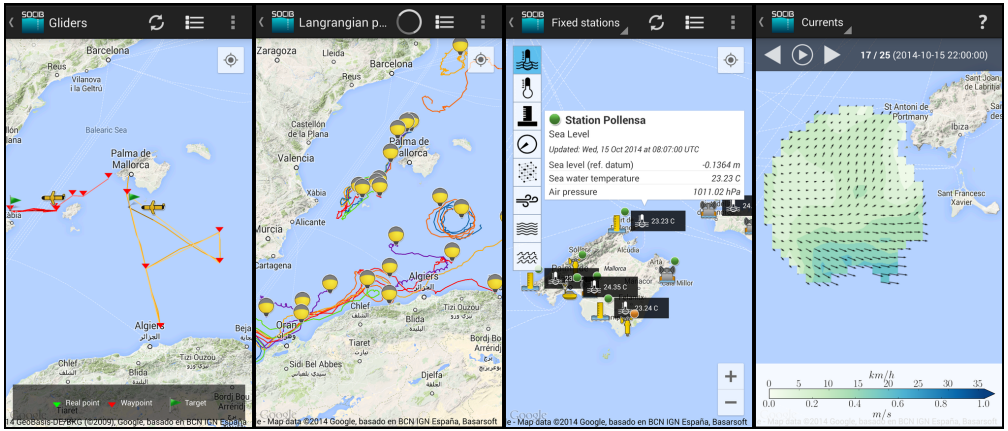
observing facilities | modelling and forecasting facility | data center facility | SIAS division

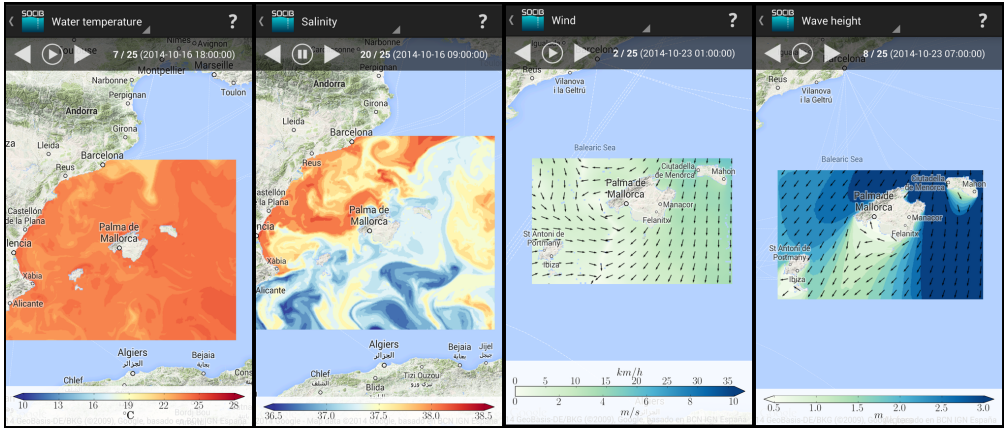
SOCIB / Fixed stations

16:06 (Local Time) 15:06 (UTC Time)

Welcome to the **fixed stations facility**. Here you can **explore** all our fixed platforms and click on one of them to **display and download the latest data**. You can directly display all the variable data and the charts, clicking on the icons.




Gliders
Langrangian p...
Fixed stations
Currents
Station Pollensa
Sea Level
Updated: Wed, 15 Oct 2014 at 08:07:00 UTC
Sea level (ref. datum) -0.1364 m
Sea water temperature 23.23 C
Air pressure 1011.02 hPa
17 / 25 (2014-10-15 22:00:00)
Real point
Waypoint
Target
Map data ©2014 Google, basado en BCN IGN España, Basarsoft
km/h
m/s

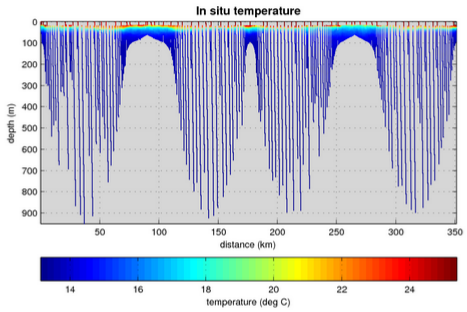

Water temperature
Salinity
Wind
Wave height
7 / 25 (2014-10-16 18:00:00)
20 / 25 (2014-10-16 09:00:00)
2 / 25 (2014-10-23 01:00:00)
8 / 25 (2014-10-23 07:00:00)
°C
km/h
m/s
m

MISIONES EN MARCHA

MISIONES REALIZADAS

- Canales
  - OCT 2014
  - JUL 2014
  - JUL 2014
  - JUN 2014
- Jerico

FICHA | SALINIDAD | TEMPERATURA | CLOROFILA | OXÍGENO



¿Y esto qué significa?

INICIO

FINAL

SENTIDO HOTELS & RESORTS

Be proud of your hotel!

We are pleased to inform you that this hotel contributes to beach conservation and science based coastal and ocean management. Your hotel collaborates with the Beach Monitoring Programme from SOCIB.

SOCIB Balearic Islands Coastal Observing and Forecasting System

Observation and real time data

Beach evolution

Cala Millor - Cam 01: 10/11/2014 11:00

Beach overview

Cala Millor - Cam 04: 10/11/2014 12:18

Beach information

Beach type: 2 km semi-enclosed urban beach
Sediment type: medium to fine biogenic sands
Scientific interest: dynamic bar system, rip currents

Hotel weather station

Air pressure

1012 hPa

1012.9 High **1012** Low

Swimming conditions

No data received

More information

Forecast

Weather forecast

Light rain throughout the week, with temperatures rising to 20°C on Friday.

Today — Light rain in the morning and afternoon.

Temp.	Wind	Humidity	Pressure
17.3 °C / 12.5 °C	6.2 km/h (W)	76 %	1010.5 hPa

Tuesday — Rain and breezy starting in the afternoon.

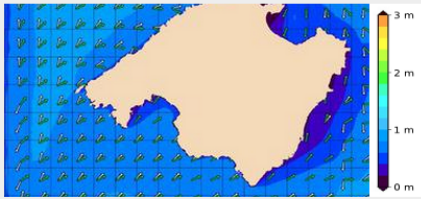
Temp.	Wind	Humidity	Pressure
17.9 °C / 13.3 °C	21.6 km/h (SW)	71 %	1006.5 hPa

Wednesday — Light rain in the morning and breezy until aft

Temp.	Wind	Humidity	Pressure
18.8 °C / 15.3 °C	31.2 km/h (W)	66 %	1006.1 hPa

Powered by Forecast.io

Waves forecast



Waves at 11/11/2014 07:00

Govern de les Illes Balears

Puertos del Estado

Mon Nov 10 2014 12:59:38

SOCIB About us Facilities News Multimedia Job opportunities Competitive access

SOCIB
Balearic Islands Coastal Observing and Forecasting System

SOCIB is a Coastal Ocean Observing and Forecasting System located in the Balearic I slands, a new facility of facilities open to international access. SOCIB responds to a change of paradigm in the observation of our oceans and coasts, an observation that has evolved from being centered on a unique platform, the oceanographic ships with data availability being delayed in time, to an observation now based on multi-platform and integrated systems (using buoys, satellites, ships, autonomous underwater vehicles, HF radar, ARGO profilers, etc.), also assuring quasi real time quality controlled data availability for both researchers and society.

Mobims Son Bou (Fri, 07 Nov 2014 14:19:00 GMT)

Air temperature at 43 m: 19.4 C

Wind speed at 43 m: 24.1 km/h

Wind direction at 43 m: NW

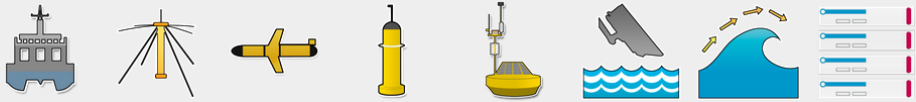
Air pressure (sea lev) : 1011.6 hPa

Sea surface wave from direction : . . . .

Sea surface wave significant height : . . . .

Station Name | Platform Type | Access!

Facilities

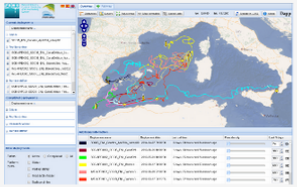


COASTAL RESEARCH VESSEL | COASTAL HF RADAR | GLIDER | LAGRANGIAN PLATFORMS | FIXED STATIONS | BEACH MONITORING | OCEAN FORECAST | DATA CENTER

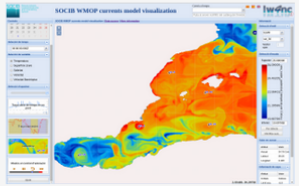
Applications

SA COSTA
Environmental Sensitivity of the Coastline

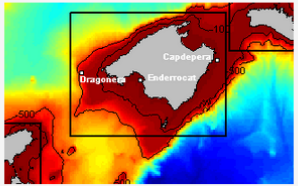
SEABOARD
Dashboard visualizations of the real time and forecast ocean data



DAPP
Our real-time deployment of mobile platforms monitoring application

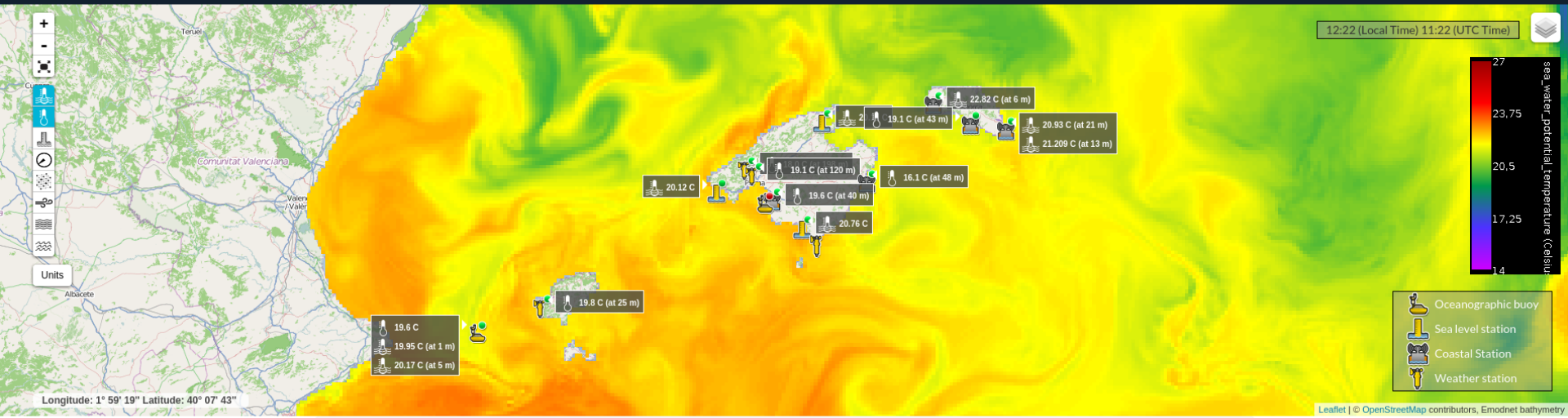


LW4NC2
Web application to visualize NetCDF gridded data interactively



WAVE FORECAST
In collaboration with Puertos del Estado and Aut. Portuària IB

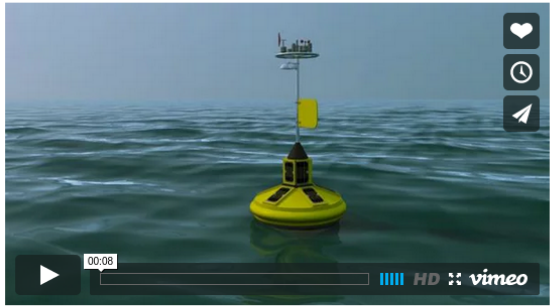
MOBILE APPLICATIONS
Check our mobile applications for Android and iOS devices.



Fixed stations

The development of new technologies has allowed us currently to have sensors capable of recording a wide range of parameters, with capabilities to control biofouling (reduces maintenance costs and enables year round continuous operations)and platforms to integrate sever sensors together. Moreover, communication capabilities now allow the transmission of data directly from open ocean platforms or coastal structures to data servers in near real-time. This capability makes it possible to present and interpret data while an event is ongoing. In addition, it makes data assimilation into models possible in near realtime.

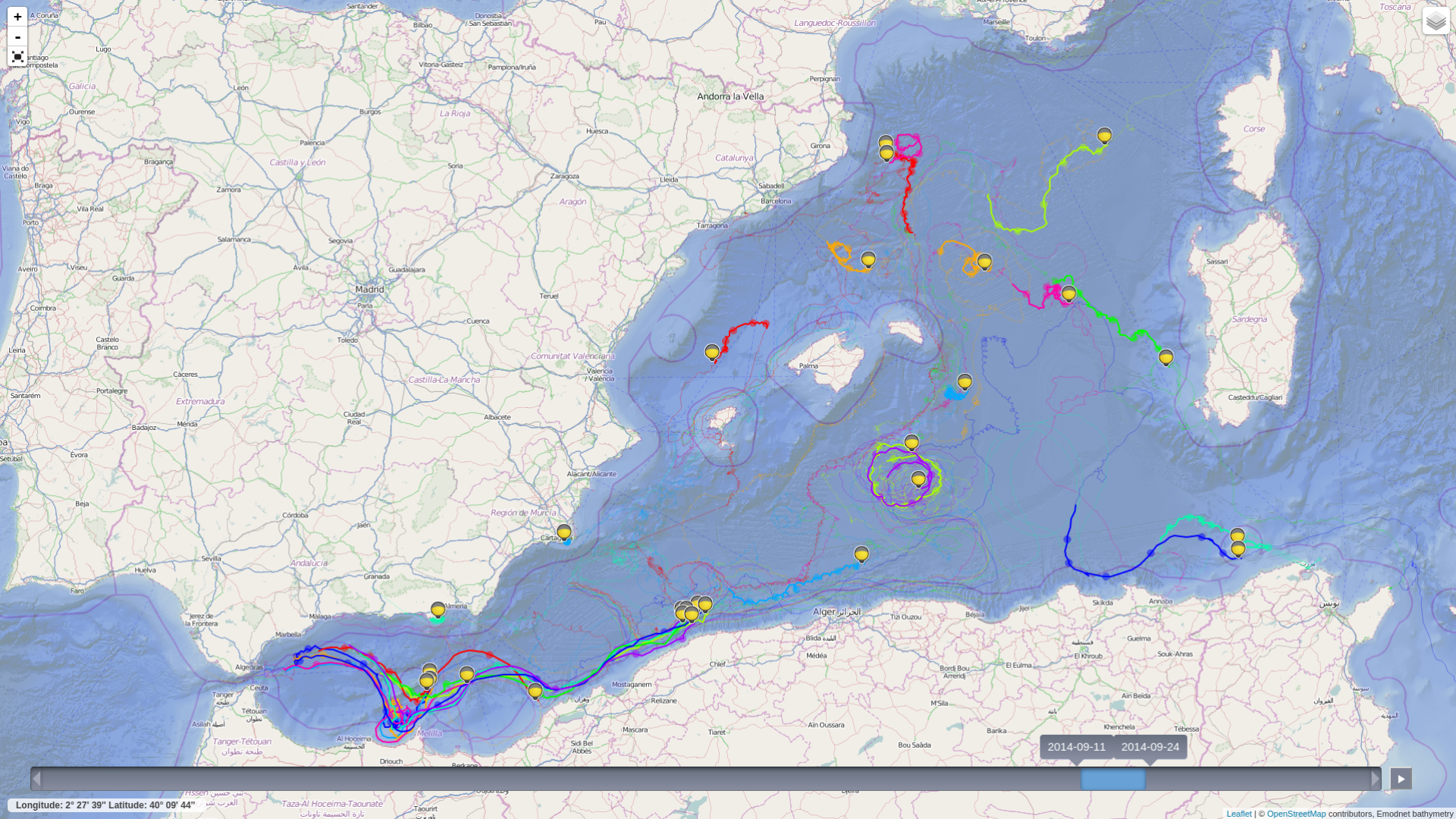
The aim of the Mooring Facility is to provide the Balearic Coast with instruments for time-series observations of physical, biological and chemical properties with respect to their long term variability.

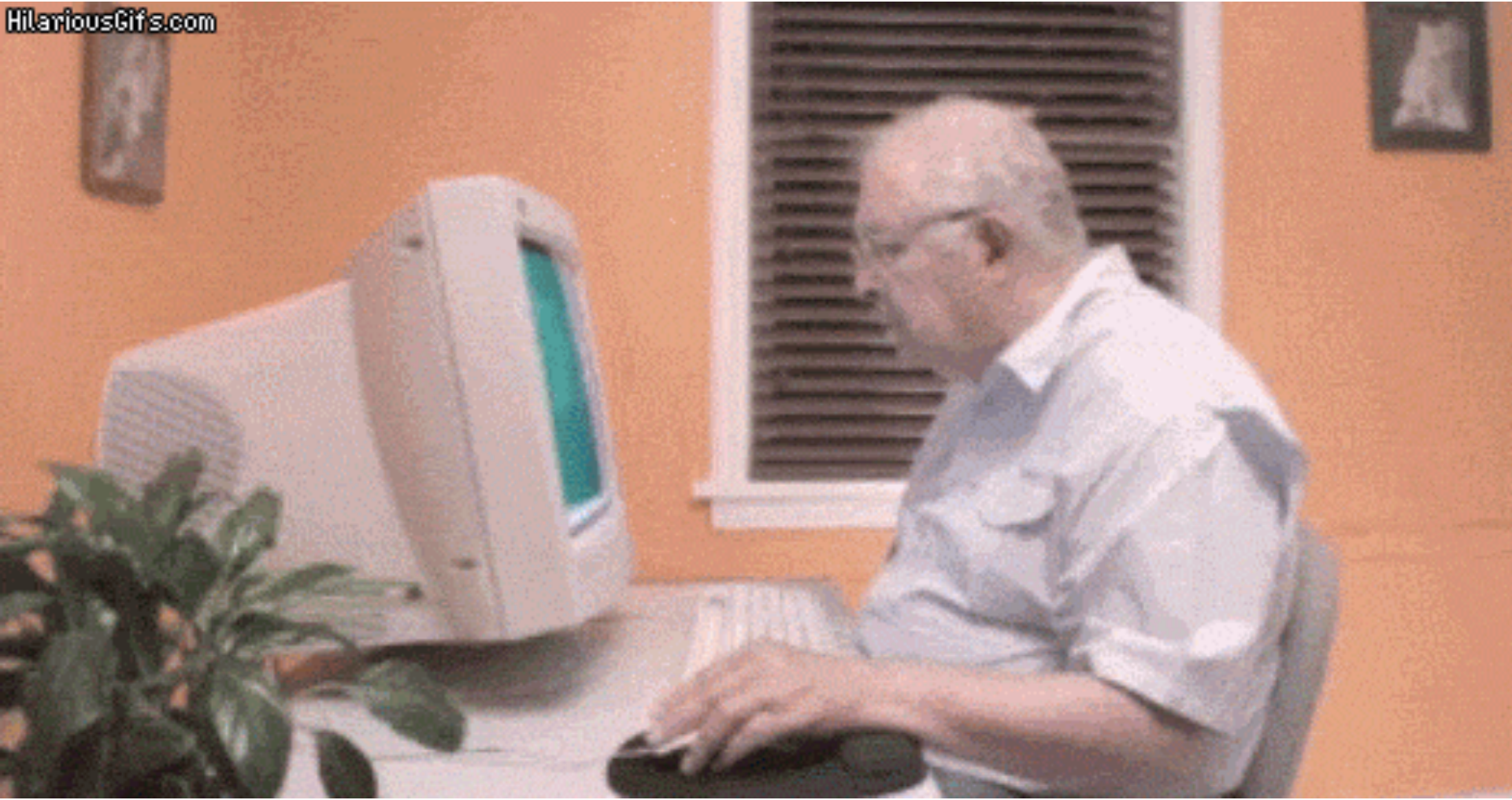


Buoy Observing Facility 3D Animation

Modify this page

air_temperature


2014-09-11
2014-09-24
Longitude: 2° 27' 39'' Latitude: 40° 09' 44''
Leaflet | © OpenStreetMap contributors, Emodnet bathymetry


HilariousGifs.com

Thank you!