

LOGBOOK

SOCIB-CANALES Autumn16

SOCIB_ENL_CANALES_NOV2016_AUTUMN

Station:	S2_05				Date Hour:	2016-11-11 14:52 UTC					
Observations:											
-SAMPLED VARIABLES-											
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks		
Btl. #01	945	x	x								
Btl. #02	945						201				
Btl. #03	500		x				202				
Btl. #04	200	x	x								
Btl. #05	125		x	x							
Btl. #06	100		x								
Btl. #07	75		x								
Btl. #08	45		x	x	x	x			DCM		
Btl. #09	45								DCM		
Btl. #10	X										
Btl. #11	25	x	x	x			203				
Btl. #12	5		x	x	x				Niskin leaks		

Station:	S2_04				Date Hour:	2016-11-11 16:08 UTC					
Observations:	Fichero guardado con fecha errónea en el header (2016-11-08). Rosette with tentacles of <i>Pelagia</i>										
-SAMPLED VARIABLES-											
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks		
Btl. #01	820	x	x								
Btl. #02	820										
Btl. #03	500		x				204				
Btl. #04	200	x	x								
Btl. #05	125		x	x							
Btl. #06	100		x								
Btl. #07	75		x								
Btl. #08	60		x	x	x	x			DCM. HPLC filter with yellow gelatinous particles.		
Btl. #09	60								DCM		
Btl. #10	x										
Btl. #11	25	x	x	x							
Btl. #12	5		x	x	x		205		CTD stopped 2 min for stabilization.		

Station:	S2_03			Date Hour:	2016-07-11 17:14 UTC		
Observations:							

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	629	x	x						Dusk-dark
Btl. #02	629						206		
Btl. #03	500		x	x	x				
Btl. #04	200	x	x						
Btl. #05	125		x	x					
Btl. #06	100		x						
Btl. #07	75								Open Niskin, not sampled
Btl. #08	55		x	x	x	x			
Btl. #09	55								
Btl. #10	X								
Btl. #11	25	x	x	x					
Btl. #12	5		x	x	x		207		

Station:	S2_02			Date Hour:	2016-11-11 18:14 UTC		
Observations:							

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	110	x	x	x					Dark
Btl. #02	110						208		
Btl. #03	75		x						
Btl. #04	75								
Btl. #05	45		x	x	x	x			DCM
Btl. #06	45								DCM
Btl. #07	25	x	x	x					
Btl. #08	25								
Btl. #09	5		x	x	x				
Btl. #10	x								
Btl. #11	5						209		
Btl. #12									

Station:	S2_01		Date Hour:	2016-11-11 18:48 UTC
Observations:	Al preparar la rossetta se rompe el tapón de la bot 7. La deshabilitamos			

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	104								Niskin leaks. Dark.
Btl. #02	104	x	x	x					
Btl. #03	75		x						
Btl. #04	75								
Btl. #05	50		x	x	x	x			DCM
Btl. #06	50								DCM
Btl. #07	-								
Btl. #08	25	x	x	x					
Btl. #09	25						210		
Btl. #10	-								
Btl. #11	5		x	x	x				
Btl. #12	5						211		

Station:	S2_14		Date Hour:	2016-11-12 07:57 UTC
Observations:				

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	353	x	x						
Btl. #02	353						212		
Btl. #03	200	x	x						
Btl. #04	125		x	x					
Btl. #05	100		x						
Btl. #06	75		x						
Btl. #07	50								
Btl. #08	50		x	x	x	x			DCM. The filter for Chla dried a bit
Btl. #09	50								DCM
Btl. #10	-								
Btl. #11	25	x	x	x			213		
Btl. #12	5		x	x	x				

Station:	S2_13				Date Hour:	2016-11-12 8:50 UTC					
Observations:											
-SAMPLED VARIABLES-											
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks		
Btl. #01	709	x	x								
Btl. #02	709										
Btl. #03	500		x				214				
Btl. #04	200	x	x								
Btl. #05	125		x	x							
Btl. #06	100		x								
Btl. #07	75		x								
Btl. #08	50		x	x	x	x			DCM		
Btl. #09	50								DCM		
Btl. #10	-										
Btl. #11	25	x	x	x							
Btl. #12	5		x	x	x				CTD stopped 1 min for stabilization. Copepods in the filter.		

Station:	S2_12				Date Hour:	2016-11-12 09:57 UTC					
Observations:											
-SAMPLED VARIABLES-											
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks		
Btl. #01	847	x	x						HPLC filter labelled as 500m		
Btl. #02	847										
Btl. #03	500		x	x	x		215		HPLC filter labelled as 5m.		
Btl. #04	200	x	x								
Btl. #05	125		x	x							
Btl. #06	100		x								
Btl. #07	75		x								
Btl. #08	60		x	x	x	x			DCM		
Btl. #09	60								DCM		
Btl. #10	-										
Btl. #11	25	x	x	x			216				
Btl. #12	5		x	x	x						

Station:	S2_11			Date Hour:	2016-11-12 11:07 UTC							
Observations:												
-SAMPLED VARIABLES-												
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks			
Btl. #01	760	x	x									
Btl. #02	760											
Btl. #03	500		x	x	x		217					
Btl. #04	200	x	x									
Btl. #05	125		x	x								
Btl. #06	100		x									
Btl. #07	75		x									
Btl. #08	58		x	x	x	x			DCM			
Btl. #09	58								DCM			
Btl. #10	-											
Btl. #11	25	x	x	x								
Btl. #12	5		x	x	x		218					

Station:	S2_06			Date Hour:	2016-11-12 12:23 UTC							
Observations:												
-SAMPLED VARIABLES-												
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks			
Btl. #01	916	x	x									
Btl. #02	916						219					
Btl. #03	500		x									
Btl. #04	200	x	x						Peak of O2. Change in T ^a .			
Btl. #05	125		x	x								
Btl. #06	100		x									
Btl. #07	75		x									
Btl. #08	47		x	x	x	x			DCM			
Btl. #09	47								DCM			
Btl. #10	-											
Btl. #11	25	x	x	x								
Btl. #12	5		x	x	x		220		CTD stopped 30" for stabilization.			

Station:	S2_07			Date Hour:	2016-11-12 13:33 UTC		
Observations:							

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	725	x	x				221		
Btl. #02	725								
Btl. #03	500		x						
Btl. #04	200	x	x						
Btl. #05	125		x	x					
Btl. #06	100		x						
Btl. #07	75		x						
Btl. #08	50		x	x	x	x			DCM
Btl. #09	50								DCM
Btl. #10	-								
Btl. #11	25	x	x	x					
Btl. #12	5		x	x	x		222		CTD stopped 1 min for stabilization.

Station:	S2_10			Date Hour:	2016-11-12 14:38 UTC		
Observations:							

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	SUV 51	Remarks
Btl. #01	488	x	x						
Btl. #02	488						223		
Btl. #03	200	x	x						
Btl. #04	125		x	x					
Btl. #05	100		x						
Btl. #06	75		x						
Btl. #07	55		x	x	x	x			DCM
Btl. #08	55								DCM
Btl. #09	25	x	x	x					
Btl. #10	-								
Btl. #11	25								
Btl. #12	5		x	x	x		224		

Station:	S2_09	Date Hour:	2016-11-12 15:39 UTC
Observations:	Valeport SUV51 sensor is installed on the CTD. 2016-11-12 S2_09.ail		

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	SUV 51	Remarks
Btl. #01	126	x	x	x					
Btl. #02	126						226		
Btl. #03	100		x						
Btl. #04	75		x						
Btl. #05	75								
Btl. #06	57		x	x	x	x			DCM. The filter for Chla dried a bit.
Btl. #07	57								
Btl. #08	25	x	x	x					
Btl. #09	25								
Btl. #10	-								
Btl. #11	5		x	x	x				CTD stopped 50" for stabilization.
Btl. #12	5						227		

Station:	S2_08	Date Hour:	2016-11-13 13:17 UTC
Observations:	Valeport SUV51 sensor is installed on the CTD. 2016-11-12 S2_08.ail Le cuesta arrancar a la bomba del CTD		

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	273	x	x						Dusk.
Btl. #02	273								
Btl. #03	200	x	x				228		
Btl. #04	125		x	x					
Btl. #05	100		x						
Btl. #06	75		x						
Btl. #07	59								DCM
Btl. #08	59		x	x	x	x			DCM
Btl. #09	25	x	x	x			229		
Btl. #10	-								
Btl. #11	5		x	x	x				CTD stopped 1min for stabilization.
Btl. #12	5								

Station:	S2_085		Date Hour:	2016-11-12 17:11 UTC
Observations:	Valeport SUV51 sensor is installed on the CTD. 2016-11-12 S2_085.ail Le cuesta arrancar a la bomba del CTD			

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	124	x	x	x					
Btl. #02	124						230		
Btl. #03	100		x						
Btl. #04	75		x						
Btl. #05	75								
Btl. #06	54		x	x	x	x			DCM
Btl. #07	54								DCM
Btl. #08	25	x	x	x					
Btl. #09	25						231		
Btl. #10	-								
Btl. #11	5		x	x	x				CTD stopped 45" for stabilization.
Btl. #12	5								

Station:	S2_T1_END		Date Hour:	2016-11-12 17:44 UTC
Observations:	Valeport SUV51 sensor is installed on the CTD. 2016-11-12 S2_T1_END.ail Le cuesta arrancar a la bomba del CTD			

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	95	x	x	x					
Btl. #02	95								
Btl. #03	75		x						
Btl. #04	75						232		
Btl. #05	60		x	x	x	x			DCM
Btl. #06	60								DCM
Btl. #07	25	x	x	x					
Btl. #08	25								
Btl. #09	5		x	x	x				CTD stopped 45" for stabilization.
Btl. #10	-								
Btl. #11	5						233		

Btl. #12									
----------	--	--	--	--	--	--	--	--	--

Station:		S2_23			Date Hour:			2016-11-13 07:49 UTC					
Observations:		Valeport SUV51 sensor is installed on the CTD. 2016-11-13 S2_23.ail											
-SAMPLED VARIABLES-													
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks				
Btl. #01	109	x	x	x									
Btl. #02	109												
Btl. #03	75		x										
Btl. #04	75						234						
Btl. #05	38		x	x	x	x			DCM				
Btl. #06	38								DCM				
Btl. #07	25	x	x	x									
Btl. #08	25												
Btl. #09	5		x	x	x				CTD stopped 30" for stabilization.				
Btl. #10	-												
Btl. #11	5						235						
Btl. #12													

Station:		S2_22			Date Hour:			2016-11-13 08:29 UTC					
Observations:		Valeport SUV51 sensor is installed on the CTD. 2016-11-13 S2_22.ail											
-SAMPLED VARIABLES-													
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks				
Btl. #01	330	x	x										
Btl. #02	330						236						
Btl. #03	200	x	x				237						
Btl. #04	125		x	x									
Btl. #05	100		x										
Btl. #06	75		x										
Btl. #07	50		x	x	x	x			DCM				
Btl. #08	50								DCM				
Btl. #09	25	x	x	x									
Btl. #10	-												
Btl. #11	25												

Btl. #12	5		x	x	x		238		CTD stopped 1min for stabilization.
----------	---	--	---	---	---	--	-----	--	-------------------------------------

Station:		S2_21			Date Hour:		2016-11-13 09:20 UTC		
Observations:		-SAMPLED VARIABLES-							
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	807	x	x						
Btl. #02	807								
Btl. #03	807								
Btl. #04	500		x	x	x				
Btl. #05	410						239		
Btl. #06	200	x	x						
Btl. #07	100		x	x					Chla sampled at 100m. There's no bottle at 125 m.
Btl. #08	75		x						
Btl. #09	65		x	x	x	x			DCM
Btl. #10	-								
Btl. #11	25	x	x	x					
Btl. #12	5		x	x	x		240		

Station:		S2_20			Date Hour:		2016-11-13 11:06 UTC		
Observations:		-SAMPLED VARIABLES-							
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	869	x	x						
Btl. #02	869						241		
Btl. #03	500		x						
Btl. #04	200	x	x						
Btl. #05	125		x	x					
Btl. #06	100		x						
Btl. #07	75		x						
Btl. #08	63		x	x	x	x			DCM
Btl. #09	63								DCM
Btl. #10	-								
Btl. #11	25	x	x	x					The filter for Chla was placed upside down on filter paper

Btl. #12	5		x	x	x		242		
----------	---	--	---	---	---	--	-----	--	--

Station:	S2_19				Date Hour:		2016-11-13 12:36 UTC		
Observations:	-SAMPLED VARIABLES-								
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	640	x	x						
Btl. #02	640						245		
Btl. #03	500		x						
Btl. #04	200	x	x						
Btl. #05	125		x	x					
Btl. #06	100		x						
Btl. #07	75		x						
Btl. #08	55		x	x	x	x			DCM
Btl. #09	55								DCM
Btl. #10	-								
Btl. #11	25	x	x	x					
Btl. #12	5		x	x	x		246		CTD stopped 30" for stabilization.

Station:	S2_18				Date Hour:		2016-11-13 13:40 UTC		
Observations:	Valeport SUV51 sensor is installed on the CTD. 2016-11-13 S2_18.ail								
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	427	x	x						
Btl. #02	427								
Btl. #03	385						247		
Btl. #04	200	x	x						12
Btl. #05	125		x	x					
Btl. #06	100		x						
Btl. #07	75		x						
Btl. #08	62		x	x	x	x			DCM
Btl. #09	62								DCM
Btl. #10	-								
Btl. #11	25	x	x	x					
Btl. #12	5		x	x	x		248		

Station:	S2_15			Date Hour:	2016-11-13 14:46 UTC
Observations:	Profile with SUV51 sensor. 2016-11-13 S2_15.ail				

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	110	x	x	x			249		
Btl. #02	110								
Btl. #03	75		x						
Btl. #04	75								
Btl. #05	50		x	x	x	x			
Btl. #06	50								
Btl. #07	25	x	x	x					
Btl. #08	25								
Btl. #09	5		x	x	x		250		
Btl. #10	X								
Btl. #11	5								
Btl. #12									

Station:	S2_17			Date Hour:	2016-11-13 15:31 UTC
Observations:	Profile with SUV51. 2016-11-13 S2_17.ail El sensor 2 de temperatura hace un inicio de bajada extraño (hasta los 10 m)				

-SAMPLED VARIABLES-

	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	111	x	x	x					
Btl. #02	111								
Btl. #03	75		x						
Btl. #04	75								
Btl. #05	50		x	x	x	x			DCM
Btl. #06	50								DCM
Btl. #07	25	x	x	x					
Btl. #08	25								
Btl. #09	5		x	x	x				
Btl. #10	X								
Btl. #11	5						251		
Btl. #12									

Station:	S2_16			Date Hour:	2016-11-13 16:09 UTC				
Observations:	Profile with SUV51. 2016-11-13 S2_16.ail								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	SUV 51	Remarks
Btl. #01	97	x	x	x					
Btl. #02	97								
Btl. #03	75		x						
Btl. #04	75								
Btl. #05	64		x	x	x	x	253		
Btl. #06	64								
Btl. #07	25	x	x	x			254		
Btl. #08	25								
Btl. #09	5		x	x	x				
Btl. #10	X								
Btl. #11	5								
Btl. #12									

* Additional water samples for dissolved oxygen, total chlorophyll a (chl a), nutrients, phytoplankton taxonomic composition and salinity were taken at Ibiza Channel buoy for comparison with the buoys sensors. The samples were taken at 1m depth following the "Monthly SOCIB Sampling in the Bay of Palma" protocol.