

LOGBOOK

SOCIB-CANALES Winter17

SOCIB_ENL_CANALES_FEB2017_WINTER

1. CTD CASTS AND BIOGEOCHEMICAL LOG

Station:	S2_05		Date Hour:	2017-02-14 14:45 UTC					
Observations:	winche se para en bajada a 50m. Tarda 5 min en recuperar el control								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	947	x	x						
Btl. #02	947						#1		
Btl. #03	500		x				#2		
Btl. #04	200	x	x						
Btl. #05	125		x	x					
Btl. #06	100		x						Botella abierta
Btl. #07	75.5		x						
Btl. #08	40		x	x	x	x			DCM (poco profundo)
Btl. #09	40								DCM
Btl. #10	X								
Btl. #11	25	x	x	x					
Btl. #12	5		x	x	x				

Station:	S2_04		Date Hour:	2017-02-14 16:09 UTC					
Observations:									
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	821	x	x						
Btl. #02	821								
Btl. #03	500		x				#3		
Btl. #04	200	x	x						
Btl. #05	125		x	x					
Btl. #06	100		x				#4		
Btl. #07	75		x						
Btl. #08	50		x	x					el tubo de chl a de 50 en realidad es de 25 m (intercambiados)
Btl. #09	25	x	x	x	x				DCM, no se coge fito
Btl. #10	X								
Btl. #11	25								
Btl. #12	5		x	x	x				

Station:	S2_03		Date Hour:	2017-02-14 17:20 UTC					
Observations:									
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	633	x	x						Puesta de sol/final muestreo noche
Btl. #02	633						#5		
Btl. #03	500		x	x	x				
Btl. #04	200	x	x				#6		
Btl. #05	125		x	x					Máximo de DO aprox 110 m, transmitancia si sigue el DO
Btl. #06	100		x						
Btl. #07	75.5		x						La bomba a > 10mmHg!!!
Btl. #08	40.4		x	x	x				DCM
Btl. #09	39.9								
Btl. #10	X								
Btl. #11	24.5	X	x	x					
Btl. #12	5.4		x	x	x				

Station:	S2_02		Date Hour:	2017-02-14 19:21 UTC					
Observations:									
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	111.6	x	x	x					Muestreo noche
Btl. #02	111.6						#7		
Btl. #03	75.3		x				#8		
Btl. #04	74.7								
Btl. #05	51		x	x	x				
Btl. #06	50.1								
Btl. #07	25	x	x	x					
Btl. #08	25.8								
Btl. #09	5.1		x	x	x				
Btl. #10	x								
Btl. #11	5.5								
Btl. #12									

Station:	S2_01		Date Hour:	2017-02-14 18:48 UTC					
Observations:									
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	104	x	x	x					
Btl. #02	104						#9		
Btl. #03	75		x						
Btl. #04	75								
Btl. #05	50		x	x	x				
Btl. #06	50						#10		
Btl. #07	-								
Btl. #08	25	x	x	x					Cogido fito aquí, sigue habiendo más concentración de chl a en superficie
Btl. #09	25								
Btl. #10	-								
Btl. #11	5		x	x	x				
Btl. #12	5								

Station:	S2_14		Date Hour:	2017-02-15 08:48 UTC					
Observations:									
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	363	x	x						
Btl. #02	363						#11		
Btl. #03	200	x	x						
Btl. #04	125		x	x					
Btl. #05	100		x						
Btl. #06	75		x						
Btl. #07	40		x	x	x	x			DCM
Btl. #08	40								DCM
Btl. #09	24	x	x	x			#12		
Btl. #10	-								
Btl. #11	5		x	x	x				
Btl. #12	5								

Station:	S2_13		Date Hour:	2017-02-15 9:47 UTC					
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Observations:	Glider attached S/N 567 SCB-SLDEEP004								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	704	x	x						Réplica B de nutrientes tocada sin guantes (limpiado con DDWater).
Btl. #02	704						#134		En esta estación el glider está en la roseta.
Btl. #03	500		x						
Btl. #04	200	x	x						
Btl. #05	125		x	x					
Btl. #06	100		x						
Btl. #07	97								Disparo accidental
Btl. #08	45		x	x	x				DCM
Btl. #09	36	x	x	x					Sampled here or Btl. 11?
Btl. #10	-								
Btl. #11	25						#14		
Btl. #12	5			x					

Station:	S2_12		Date Hour:	2017-02-15 11:01 UTC					
Observations:	Glider attached S/N 567 SCB-SLDEEP004								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	833	x	x						
Btl. #02	500		x	x	x				
Btl. #03	400						#15		
Btl. #04	200	x	x						
Btl. #05	125		x	x					
Btl. #06	100		x						
Btl. #07	75		x						
Btl. #08	50		x	x					
Btl. #09	25	x	x	x	x				DCM
Btl. #10	X								
Btl. #11	25								
Btl. #12	5		x	x	x		#16		

Station:	S2_11		Date Hour:	2017-02-15 12:09 UTC					
Observations:									
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	756	x	x						
Btl. #02	756								
Btl. #03	500		x	x	x		#17		
Btl. #04	200	x	x						
Btl. #05	125		x	x					
Btl. #06	100		x						
Btl. #07	75		x						
Btl. #08	50		x	x					
Btl. #09	20	x	x	x	x				DCM
Btl. #10	-								
Btl. #11	20								
Btl. #12	5		x	x	x				

Station:	S2_06		Date Hour:	2017-02-15 13:52 UTC					
Observations:									
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	914	x	x						
Btl. #02	914								
Btl. #03	745								
Btl. #04	503		x	x	x		#19		
Btl. #05	200	x	x						
Btl. #06	125		x	x					
Btl. #07	100		x						
Btl. #08	75		x				#20		
Btl. #09	47.5		x	x					
Btl. #10	-								
Btl. #11	20	x	x	x	x				
Btl. #12	4.3			x					

Station:		S2_07		Date Hour:		2017-02-15 14:29 UTC			
Observations:									
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Othe r	Remarks
Btl. #01	702	x	x						
Btl. #02	702						#21		
Btl. #03	500		x				#22		
Btl. #04	200	x	x						
Btl. #05	125		x	x					
Btl. #06	100		x						
Btl. #07	75		x						
Btl. #08	50		x	x					
Btl. #09	25	x	x	x	x				
Btl. #10	-								
Btl. #11	25								
Btl. #12	5		x	x	x				

Station:		S2_10		Date Hour:		2017-02-15 15:31 UTC			
Observations:									
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	SUV 51	Remarks
Btl. #01	480	x	x				#23		
Btl. #02	480								
Btl. #03	200	x	x						
Btl. #04	125		x	x					
Btl. #05	100		x						
Btl. #06	75		x						
Btl. #07	50		x	x					
Btl. #08	25								No cierra bien
Btl. #09	25	x	x	x	x				
Btl. #10	-								
Btl. #11	5		x	x	x				
Btl. #12	5						#24		

Station:	S2_09	Date Hour:	2017-02-15 16:28 UTC						
Observations:	Valeport SUV51 sensor is installed on the CTD. 2017-02-15 S2_09.ail								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	SUV 51	Remarks
Btl. #01	125	x	x	x					
Btl. #02	125						#25		
Btl. #03	100		x						
Btl. #04	75		x						
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				
Btl. #10	-								
Btl. #11	5								
Btl. #12	5						#26		

Station:	S2_08	Date Hour:	2017-02-15 18:21 UTC						
Observations:	Valeport SUV51 sensor is installed on the CTD. 2017-02-15 S2_08.ail En el Sea Save aparece un mensaje indicando un conflicto RS-232. Aceptamos el mensaje y el perfil continua de forma correcta								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Othe r	Remarks
Btl. #01	280	x	x						
Btl. #02	280						#27		
Btl. #03	185	x	x						
Btl. #04	125		x	x					
Btl. #05	100		x						
Btl. #06	75		x						
Btl. #07	45		x	x	x				
Btl. #08	45						#28		
Btl. #09	25	x	x	x					
Btl. #10	-								
Btl. #11	5		x	x	x				
Btl. #12	5								

Station:	S2_085	Date Hour:	2017-02-16 08:27 UTC						
Observations:	Valeport SUV51 sensor is installed on the CTD. 2017-02-16 S2_085.ail								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	122		x	x					
Btl. #02	122								
Btl. #03	100		x						
Btl. #04	75		x						
Btl. #05	58								
Btl. #06	50		x	x					
Btl. #07	50								
Btl. #08	25		x	x					
Btl. #09	25						#31 #32		
Btl. #10	-								
Btl. #11	5			x					
Btl. #12	5								

Station:	S2_T1_END	Date Hour:	2017-02-16 07:53 UTC						
Observations:	Valeport SUV51 sensor is installed on the CTD. 2017-02-26 S2_T1_END.ail El header del fichero .hex lleva la fecha mal puesta. Día 14 en lugar de 16								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	93	x	x	x			#29		
Btl. #02	93								No cierra bien
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				
Btl. #10	-								
Btl. #11	5						#30		
Btl. #12									

Station:	S2_23	Date Hour:	2017-02-16 09:31 UTC						
Observations:	Valeport SUV51 sensor is installed on the CTD. 2017-02-16 S2_23.ail								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	108	x	x	x					
Btl. #02	108						#33		
Btl. #03	50		x	x	x	x			
Btl. #04	50								
Btl. #05	25	x	x	x					
Btl. #06	25								
Btl. #07	10								
Btl. #08	10						#34		
Btl. #09	5		x	x	x				
Btl. #10	-								
Btl. #11	5								
Btl. #12	5								

Station:	S2_22	Date Hour:	2017-02-16 08:29 UTC						
Observations:	Valeport SUV51 sensor is installed on the CTD. 2017-02-16 S2_22.ail								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	330	x	x						
Btl. #02	330								
Btl. #03	200	x	x						
Btl. #04	125		x	x					
Btl. #05	100		x						
Btl. #06	75		x						
Btl. #07	50		x	x					
Btl. #08	50								
Btl. #09	25	x	x	x	x				DCM 35 m
Btl. #10	-								
Btl. #11	25								
Btl. #12	5		x	x					

Station:	S2_21	Date Hour:	2017-02-16 11:06 UTC						
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Observations:	Glider attached S/N 244 SCB-SLDEEP001 Tras finalizar la estación se lanzó un perfilador ARGO								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	802	x	x						
Btl. #02	802								
Btl. #03	500		x	x	x		#35		
Btl. #04	200	x	x						
Btl. #05	125		x	x					
Btl. #06	100		x						
Btl. #07	75		x						
Btl. #08	50		x	x					
Btl. #09	38	x	x	x	x	x			
Btl. #10	-								
Btl. #11	38								
Btl. #12	5		x	x	x		#36		

Station:	S2_20	Date Hour:	2017-02-16 12:28 UTC						
Observations:	Glider attached S/N 244 SCB-SLDEEP001								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	834	x	x						
Btl. #02	834						#37		
Btl. #03	500		x						
Btl. #04	400						#38		
Btl. #05	200	x	x						
Btl. #06	125		x	x					
Btl. #07	75		x						
Btl. #08	50		x	x					
Btl. #09	30								No cierra bien
Btl. #10	-								
Btl. #11	30	x	x	x	x	x			DCM
Btl. #12	5			x					

Station:	S2_19	Date Hour:	2017-02-16 14:04 UTC						
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Observations:	Glider attached S/N 244 SCB-SLDEEP001								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	650	x	x						
Btl. #02	650						#39		
Btl. #03	500		x						
Btl. #04	200	x	x						
Btl. #05	155						#40 #41		
Btl. #06	125		x	x					
Btl. #07	75		x						
Btl. #08	50		x	x					
Btl. #09	22	x	x	x	x	x			DCM
Btl. #10	-								
Btl. #11	22								DCM
Btl. #12	5		x	x	x				

Station:	S2_18	Date Hour:	2017-02-16 15:05 UTC						
Observations:	Glider attached S/N 244 SCB-SLDEEP001 Valeport SUV51 sensor is installed on the CTD. 2017-02-16 S2_18.ail								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	436	x	x						
Btl. #02	436						#42		
Btl. #03	200	x	x						
Btl. #04	125		x	x					
Btl. #05	100		x						
Btl. #06	75		x						
Btl. #07	50		x	x					
Btl. #08	20	x	x	x	x	x			DCM
Btl. #09	20								DCM
Btl. #10	-								
Btl. #11	5		x	x	x				
Btl. #12	5						#43		

Station:	S2_15	Date Hour:	2017-02-16 16:09 UTC						
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Observations:	Glider attached S/N 244 SCB-SLDEEP001 Profile with SUV51 sensor. 2017-02-16 S2_15.ail								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	110	x	x	x					
Btl. #02	110								
Btl. #03	75		x						
Btl. #04	75								
Btl. #05	50		x	x	x				
Btl. #06	50								
Btl. #07	25	x	x	x					
Btl. #08	25								
Btl. #09	5		x	x	x				Cloudy
Btl. #10	X								
Btl. #11	5								
Btl. #12	5								

Station:	S2_17	Date Hour:	2017-02-16 16:49 UTC						
Observations:	Profile with SUV51. 2017-02-16 S2_17.ail Glider attached S/N 244 SCB-SLDEEP001								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	Other	Remarks
Btl. #01	114		x	x					Dusk
Btl. #02	114								
Btl. #03	75		x						
Btl. #04	75								
Btl. #05	52		x	x	x				
Btl. #06	50								
Btl. #07	25		x	x					
Btl. #08	18						#48		
Btl. #09	5		x	x	x				
Btl. #10	X								
Btl. #11	5						#49		
Btl. #12	5								

Station:	S2_16	Date Hour:	2017-02-16 17:40 UTC						
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Observations:	Glider attached S/N 244 SCB-SLDEEP001 Profile with SUV51. 2017-02-16 S2_16.aill								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	SUV 51	Remarks
Btl. #01	98		x	x					
Btl. #02	98								
Btl. #03	75		x						
Btl. #04	75								
Btl. #05	50		x	x	x	x			
Btl. #06	50								
Btl. #07	25		x	x					
Btl. #08	25								
Btl. #09	5		x	x	x				
Btl. #10	X								
Btl. #11	5						#50		
Btl. #12	5								

Station:	Boya Canal Ibiza	Date Hour:	2017-02-17 10:59 UTC						
Observations:	Glider attached								
-SAMPLED VARIABLES-									
	Depth (m)	DO	Nutr	Chl a	HPLC	Phyto	Sal	SUV 51	Remarks
Btl. #01	883	x	x				#51, 52		
Btl. #02	395		x				#53, 54		
Btl. #03	200	x	x		x				
Btl. #04	125		x	x	x				
Btl. #05	75		x	x	x				
Btl. #06	53		x	x	x	x	#55, 56		
Btl. #07	53								
Btl. #08	30	x	x	x	x	x			
Btl. #09	30								
Btl. #10	X								
Btl. #11	5		x	x	x	x			
Btl. #12	5						#57, 58		

* 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 buoy sensors.

2. ADCP LOG

Date	UTC	LAT	LON	Depth	comments
14/02/17	07:12	39°33,84	2°38,04	15	ADCP BT8 File 1 Harbor
14/02/17	07:45				STOP Mount Crane Deck
14/02/17	10:08				Change to Water Track
14/02/17	12:12				Stop Water Track
14/02/17	12:14				Start BT03
14/02/17	12:27				Lost Connection
14/02/17	13:10				Start WT04
14/02/17	14:43				S2_05 CTD
14/02/17	15:34				Heading to S2_04
14/02/17	16:09				S2_04 CTD
14/02/17	16:41				Heading to S2_03
14/02/17	17:20				S2_03 CTD
14/02/17	17:46				Heading to S2_02 CTD
14/02/17	18:08				Start BT05
14/02/17	18:18				S2_02 CTD
14/02/17	18:30				Heading to S2_01 CTD
14/02/17	18:58				S2_01 CTD
14/02/17	19:31:				STOP BT05 - END OF DAY
15/02/17	07:12	38°58.56	01°17.58		Start BT 06
15/02/17	8:21			35	Start WT07
15/02/17	8:48	38°53.59	0°59.32		S2_14 CTD
15/02/17	9:07				Start WT 08
15/02/17	09:42	38°52.49	0°52.32		S2_13 CTD
15/02/17	10:25				Heading S2_12
15/02/17	10:54	38°54.00	0°44.16	855	S2_12 CTD
15/02/17	11:34	38°53.35	0°43.78	839	Heading to S2_11 CTD
15/02/17	12:06	38°53.9	0°36.34	773	S2_11 CTD
15/02/17	12:40	38°53.62	0°35.98	765	Heading S2_06 CTD
15/02/17	13:16	39°00.07	0°36.46	921	S2_06 CTD

15/02/17	13:54	38°59.67	0°35.49	773	Heading S2_07 CTD
15/02/17	14:25	38°59.62	0°28.63	715	S2_07 CTD
15/02/17	14:59	38°59.33	0°28.11	682	Heading S2_10 CTD
15/02/17	15:27	38°53.90	0°28.78	499	S2_10 CTD
15/02/17	15:52	38°53.56	0°28.63	473	Heading S2_09 CTD
15/02/17	16:22	38°53.93	0°20.94	134	S2_09 CTD
15/02/17	16:27	38°53.88	0°20.93	131	Start BT 009
15/02/17	16:38	38°53.94	0°20.59	132	Heading to Glider Recovery
15/02/17	17:30	38°53.67	0°21.33	135	Heading to S2_08 CTD
15/02/17	17:40	38°55.08	0°21.19	149	Water Tracking WT010
15/02/17	18:05	39°00.29	0°20.90	291	S2_08 CTD
15/02/17	18:20	39°00.01	0°20.77	282	Heading to Harbor
15/02/17	18:37	38°58.03	0°18.01	141	Start BT 11
15/02/17	19:28	38°60.62	0°07.21	8	END BT II
16/02/17	06:55	38°50.42	0°06.91		START BT 12
16/02/17	08:23	39°00.52	0°09.48	101	S2_T1_END
16/02/17					Heading S2_085
16/02/17	08:29	38°59.93	0°14.83		S2_085 CTD
16/02/17	08:43			120	Heading S2_23
16/02/17	09:34	38°47.84	0°21.05	115	S2_23 CTD
16/02/17					Heading S2_22
16/02/17	10:05	38°47.93	0°27.84	190	Water Tracking 0013
16/02/17	10:09	38°48.04	0°28.74	329	S2_22 CTD
16/02/17					Heading S2_20
16/02/17	10:20	38°47.94	0°29.39	360	S2_20 CTD
16/02/17					Heading S2_21
16/02/17	11:05	38°47.94	0°36.29	805	S2_21 CTD
16/02/17	11:48				Heading to S2_20
16/02/17	12:26	38°47.75	0°44/24	837	S2_20 CTD
16/02/17	13:00				Heading to Buoy
16/02/17	13:30	38°48.90	0°46.96	610	Buoy Inspection
16/02/17	13:40			879	Heading to S2_19
16/02/17	14:00	38°47.99	0°51.85	643	S2_19 CTD
16/02/17					Heading to S2_18
16/02/17	14:51	38°47.99	0°59.53	440	S2_18 CTD
16/02/17	15:20			117	Heading to S2_15

16/02/17	16:04	38°54.02	1°07.21	117	S2_15 CTD
16/02/17	16:30				Heading to S2_17
16/02/17	16:50	38°48.09	01°07.02	119	S2_17 CTD
16/02/17	17:15				Heading to S2_16
16/02/17		38°48.02	01°25.12	100	S2_16 CTD
16/02/17	17:55				Heading to PORT
16/02/17	19:30	38°44.07	01°25.12		END OF DAY
17/02/17	07:00				Heading to Buoy
17/02/17	07:00				Start BT_15
17/02/17	08:22	38°47.80	0°58.96	400	Start WT_16
17/02/17	09:15	38°48.71	0°46.92		Buoy Inspection
17/02/17	11:10				CTD Deployment
17/02/17	11:35	38°48.48	0°50.75	864	Heading to Palma
17/02/17	13:00	38°48.77	1°07.58	850	