

Le Commandant Charcot

July 2022

Estimated by eye 0080922

Station

SU1

Underway Station

HPLC

Date (YYYY/MM/DD) Time (HH:MM)

2022/07/10

8:20 UTC

Latitude

between 82° 30' 28.10 N
82° 33' 6.95 N

Longitude

37° 29' 7.06 E
37° 58' 6.63 E

At Stern of ship with two niskins 3m apart. RBR CTD Froze and Failed.

POC

18S

Nutrients

IFCB

Cast	Depth	Type	Conc.	Bottle #	Sample ID	Bottle #	Sample ID	Bottle #	Sample ID	Flask #	Sample ID	Falcon #	Sample ID
1	2.0m	Sea Water	1.0	24 2.182L	HPLC SU1 C01 D2m	13 2.165L	POC SU1 C01 D2m				Did not respect protocol	N/A	20220710T082522-IFCB-107 054345 104609 103833 110258 112222 115147
						1 1.182L							
						0.5 0.5L							
1	5.0m	Sea Water	1.0					22 2.140L	18S SU1 C01 D5m				

Sample naming convention: <type> S<station:02d> C<cast:01d> D<depth:d>m \n <date><time> Ex: HPLC S01 C1 D5m 202206301200Z

C/D ✓ skip stopped 3 min earlier → minimal mixing

Le Commandant Charcot

July 2022

0080722

Station

SU2

Date (YYYY/MM/DD) Time (HH:MM)

2022/07/11

10:32

UTC

Latitude

Longitude

N

Cast	Depth	Type	Conc.	HPLC		POC		18S		Nutrients		IFCB	
				Bottle #	Sample ID	Bottle #	Sample ID	Bottle #	Sample ID	Flask #	Sample ID	Falcon #	Sample ID
1	4m	sea water	1	1 1.126	#2 HPLC SU2 COL D5m	2 1.126	SU2 COL D5m #6	13 2005	18S SU2 COL D5m #2	1	NutS SU2 COL D5m 1	23 0.3L	Error Fluidics Query
						0.5 200ml	SU2 COL D5m sample #7 nut/blank #8						
						23 1.225	POC SU2 COL D5m #9						
1	5m	sea water	1	5 1.126	HPLC SU2 COL D5m #3 1.126	6 1.126	POC SU2 COL D5m #5	14 2005	18S SU2 COL D5m #3		NutS SU2 COL D5m	3 1L	Error Fluidics Query
						dry blank	#10						

SU2 COL D5m

Sample naming convention: <type> S<station:02d> C<cast:01d> D<depth:d>m \n <date><time>

Ex: HPLC S01 C1 D5m 202206301200Z

Le Commandant Charcot
July 2022

0080722

Station

52

Date (YYYY/MM/DD) Time (HH:MM)

2022/07/14 5:00

Latitude

UTC

Longitude

N

Cast	Depth	Type	Conc.	HPLC		POC		18S		Nutrients		IFCB	
				Bottle #	Sample ID	Bottle #	Sample ID	Bottle #	Sample ID	Flask #	Sample ID	Falcon #	Sample ID
5	5	500 water	1.0	9 1.13 #7	HPLC 502 C01 D5m	6 1.13 #16	POC 502 C01 D5m	18 1.13 #10	18S 502 C01 D5m	#A #4 #A	Nut 502 C01 D5m	23	D20220714110710 IFCB 102 cont. to #10 113135 12617
						20ml R 6 Per Polk. kinetic #19	W/blank m #19			#B #5 R	Nut 502 C01 D5m R #5 #B		
6	20	500 water	1.0	9 7.12 #8	HPLC 502 C01 D20m	10 1.13 #17	POC 502 C01 D20m	15 2.05 #8	18S 502 C01 D20m	#C #6 #C	Nut 502 C01 D20m	16	D2022071411084012 IFCB 107 100436 102402
16	60	500 water	1.0	2 1.16 #9	HPLC 502 C01 D60m	3 1.13 #18	POC 502 C01 D60m	13 2.10 #9	18S 502 C01 D60m	#E #7 #E	Nut 502 C01 D60m	17	D2022071411080206 IFCB 107 083855 090318
										#F #8 R	Nut 502 C01 D60m R #8 #F		

Sample naming convention: <type> S<station:02d> C<cast:01d> D<depth:d>m \n <date><time> Ex: HPLC S01 C1 D5m 202206301200Z

Le Commandant Charcot

July 2022

0080722

Station *Bea*
SU4

Date (YYYY/MM/DD)

2022/07/15

Time (HH:MM)

9:32

UTC

Latitude

Longitude

N

HPLC

POC

18S *Not run waited for*

Nutrients

IFCB

Cast	Depth	Type	Conc.	Bottle #	Sample ID	Bottle #	Sample ID	Bottle #	Sample ID	Flask #	Sample ID	Falcon #	Sample ID
1	2	Sea Water	1	#1 1126	HPLC SU4 CO2 D5 #10	#2 1126	POC SU4 CO2 D5 #20	#12 1126	1126		#9	#14	20220715T174606 IFCB 1513 181023 183457
											#10		
1	3	Sea Water	1	3 1134	HPLC SU4 CO2 D20 #11	4 1130	POC SU4 CO2 D20 #21	15 1134			#12	16	1134 193302 200129 9501 3380 2234
1	5	Sea Water	1	5 1136	HPLC SU4 CO2 D40 #12	6 1136	POC SU4 CO2 D40 #22	17			#13	18	20220715T174606 IFCB 1513 181023 183457
											#14		

Sample naming convention: <type> S<station:02d> C<cast:01d> D<depth:d>m \n <date><time> Ex: HPLC S01 C1 D5m 202206301200Z

Le Commandant Charcot

July 2022

0080722

Station

SU5

Date (YYYY/MM/DD) Time (HH:MM)

2022/09/16

6:32

UTC

Latitude

Longitude

N

Cast	Depth	Type	Conc.	HPLC		POC		18S		Nutrients		IFCB	
				Bottle #	Sample ID	Bottle #	Sample ID	Bottle #	Sample ID	Flask #	Sample ID	Falcon #	Sample ID
1	5	400 water	1	6 1.1926	HPLC SU5 C01 35m #13	2 1.1926	POC SU5 C01 35m #13	18 2.122	18S SU5 C01 35m #11		#15	23	D20220716T081849 - IFCB107 051372 102525 104748
							Wet blank #26 broken 20L		Wet blank white plug in tube		#16		
						0.5	POC SU5 C01 35m #13 0.5L Repeat						
1	20	400 water	1	3 1.1934	HPLC SU5 C01 320m #14	4 1.1930	POC SU5 C01 320m #14	16 2.116	18S SU5 C01 320m #12		#17	17	D20220716T111912 - IFCB107 114235 120657
											#18		
1	60	400 water	1	9 1.1926	HPLC SU5 C01 320m #15 Take very long to filter then was two filters	10 1.1926	POC SU5 C01 320m #25	14 2.025	18S SU5 C01 320m #13	#19	#19	15	D20220716T121328 - IFCB107 131352 133812 140242
											#20		
							Dry Blank #27						

Sample naming convention: <type> S<station:02d> C<cast:01d> D<depth:d>m \n <date><time> Ex: HPLC S01 C1 D5m 202206301200Z

Sea Ice

Le Commandant Charcot
Leg 0080722

Station
S03

Date (YYYY/MM/DD) Time (HH:MM) Latitude Longitude
2022/07/16 11:25 UTC N

Cast	Depth	Type	Conc.	HPLC		POC		18S		Nutrients		IFCB	
				Bottle #	Sample ID	Bottle #	Sample ID	Bottle #	Sample ID	Flask #	Sample ID	Falcon #	Sample ID
S03	0-3cm	Sea Ice	0.1		HPLC Sea Ice 0-3cm S03								D20220716T1109129-IFCB107 111605 114031
S03	3-7m	Sea Ice	0.1		HPLC Sea Ice 3-7m S03								D20220716T112537-IFCB107 112503 11427

Sample naming convention: <type> S<station:02d> C<cast:01d> D<depth:d>m \n <date><time> Ex: HPLC S01 C1 D5m 202206301200Z

Le Commandant Charcot
Leg O080722

Station

SV6

Date (YYYY/MM/DD) Time (HH:MM)

2022/07/17 7:20 UTC

Latitude

Longitude

N

No wind & Fog, 1100 alt
185

HPLC

POC

Nutrients

IFCB

Cast	Depth	Type	Conc.	Bottle #	Sample ID	Bottle #	Sample ID	Bottle #	Sample ID	Flask #	Sample ID	Falcon #	Sample ID
1	5	40 water	1	2 M28	HPLC SV6 C01 D5m #16	3 M34	POC SV6 C01 D5m #28	15 2094	185 SV6 C01 D5m #14		#21	16	20220717T081519_IFCB07 099962 180605
						Well Blank 620ml 5m	POC SV6 Well Blank #21				#22		
1	20	40 water	1	4 M30	HPLC SV6 C01 D20m #17	5 M30	POC SV6 C01 D20m #29	17 2090	185 SV6 C01 D20m #05		#24	18	20220717T140425_IFCB08 162948 165211
											N°29 is bad		
1	40	40 water	1	9 M24	HPLC SV6 C01 D40m #18	10 M34	POC SV6 C01 D40m #30	13 2128	185 SV6 C01 D40m #16		#25	23	20220717T161916_IFCB09 164389 170835 175228
											#26		

Sample naming convention: <type> S<station:02d> C<cast:01d> D<depth:d>m \n <date><time> Ex: HPLC S01 C1 D5m 202206301200Z

Le Commandant Charcot
Leg O080722

Station
SV7

Date (YYYY/MM/DD) Time (HH:MM) Latitude Longitude
2022/07/18 13:28 UTC N

54m depth
Cold see the glacier, green water with a brown front moving towards

near an island east of Svalbard

Cast	Depth	Type	Conc.	HPLC		POC		18S		Nutrients		IFCB	
				Bottle #	Sample ID	Bottle #	Sample ID	Bottle #	Sample ID	Flask #	Sample ID	Falcon #	Sample ID
1	1	Sea Water	1	3 1134	#19	4 1130	#32	13 2105	#17		#27	14	D20220718T163842 - IFCB 107 170305 173820
											#28		
1	2	Sea Water	1	5 1130	#20	6 1134	#33 1L	15 2034	#18		#29	16 250mL	D20220718T154121 - IFCB 107 9440... 153507 160013
						0.5 500	#35 0.5L				#30		
						16 750mL 1800	#36 1.5L						
1	4	Sea Water	1	9 1124	#21	10 1128	#34	17 2130	#19		#31	18	D20220718T143820 - IFCB 107 8508... 180213
	7	4m above CTD tigger on second cast				10 5984	#34				#32		
					2 Puff are empty,	Wet Blank 16 1800	#37						
					one full #39(2)	Dry Blank	#38						
Run	D/W 10.0	Sea Water	1										D20220718T124437 - IFCB 107 120313

Sample naming convention: <type> S<station:02d> C<cast:01d> D<depth:d>m \n <date><time> Ex: HPLC S01 C1 D5m 202206301200Z

In facies water

Le Commandant Charcot
Leg 0080722

Station
SUB

Date (YYYY/MM/DD) Time (HH:MM) UTC
2022/07/19 14:20 UTC

Latitude

Longitude
N

Cast	Depth	Type	Conc.	HPLC		POC		18S		Nutrients		IFCB	
				Bottle #	Sample ID	Bottle #	Sample ID	Bottle #	Sample ID	Flask #	Sample ID	Falcon #	Sample ID
DUV	50'	Water	1	3 1.134	SUB 002 DUV #22	4 1.172 958.0 #39	185 SUB DUV 750ml #20			#33			too turbid for IFCB
						Water Bank #40				#34			

Sample naming convention: <type> S<station:02d> C<cast:01d> D<depth:d>m \n <date><time> Ex: HPLC S01 C1 D5m 202206301200Z



4.

Whale Station

1/4/382

2022/08/24

SVJ20

BLH
Cook Station

1/yr
Loc
1
2
5

ERIC
#28
2

POC

NS

1/85
#22

1/15
#21
#22
#23
#24

NS
-650
ML

0.5 #43
650 #46
W/Bank #47

5 #48
#24
#25
#26

~~NS~~

#39
#40

1/20

4

Blank #50
#49
#25
#26

1/2
-250
-170

#23
#24
#25
#26
#27
#28

4/40

6

4