

VESSEL USCGC Healy		CRUISE ID HLY1 501		PROJECT & LEG PITAE Arctic Mooring Star Wavegliders		CTD FileName: CTD001.nex		STATION NO. 1													
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		DRY BULB		RH		Pressure		WIND DIRN		WIND SPD		BOTTOM DEPTH		STA. NAME/ID	
00171		15.68 N		164.23 W		151723		151723		151723		50.5		150K-PITAE		50.5		150K-PITAE		150K-PITAE	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH =		44 m	
PRESS SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH =		44 m		REMARKS:	
PRI TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH =		44 m		REMARKS:	
SEC TEMP SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH =		44 m		REMARKS:	
PRI COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH =		44 m		REMARKS:	
SEC COND SN		SBE43-Oxy (prime)		SBE43-Oxy (sec)		Transmissometer		PAR S/N		O2 Temp Sensor No.		WEATHER OBS:		SFC/Bottom Temp.		MAX. DEPTH =		44 m		REMARKS:	

* fluorometer is being recorded in the Par channel
 - no resolution of sec O₂ (should be in valley) ver. by xmlcom data

PAR REMOVED - COBLE WATER INTRUSION?
 Trigger is on every 10m off Bottom - no altimeter
 10m/min descent

REMARKS:
 15CK - PITAE POST DEPLOY
 some chop
 SFC/Bottom Temp. 1-1.5

NIS No.	DEPTH DESIRED	Rosette Notes	SALT	Hydro Team-PMEL		Chloro		POC	Comments	NIS No.
				Nut:Btl	O2-Btl.No	DIC/Alk	GFF Vol			
1										1
2	BIM 94a x 191 181									2
3										3
4	30					140				4
5										5
6	20					A,B,C				6
7										7
8	10					139				8
9										9
10	0					A,B,C				10
11										11
12	0									12

A-139.42 B-132.95 C-132.92

Pressure gauge @ bottom of rosette - top of rosette 1.5m above gauge
 bottom of rosette 0.5m above gauge
 * notes may not be filled out

VESSEL: USCGC Healy
 CRUISE ID: HLY1501
 PROJECT & LEG: PITAE Arctic Mooring and Wavegliders
 CTD FileName:
 STATION NO. 1

CONSC CAST #: 0047
 LATITUDE: 109.32 N
 DEGREE: 164
 MINUTE: 18
 SECOND: 61
 DAY: 10
 MONTH: JUL
 YEAR: 13

TIME (GMT): 2330
 WIND DIRN. (deg):
 WIND SPD. (kts):
 RH (%):
 DRY BULB (°C):
 Pressure (mb):
 BOTTOM DEPTH (m): 45
 STA. NAME/ID: 4

WEATHER OBS: Fog / swell 6ft SFC / Bottom Temp. 5.61 - 1.2 °C
 MAX. DEPTH = 35 m
 REMARKS: *Seamount offset between primary and Secondary O2 small*

SBE 9+
 SBE43-Oxy (prime)
 SBE43-Oxy (sec)
 Transmissometer
 PAR S/N
 O2 Temp Sensor No.

Recorder Initials:

Nis No.	DEPTH DESIRED	Rosette Notes		Hydro Team-PMEL		Chloro		POC 500 ml	Comments	Nis No.
		SALT	Nut.Btl	O2-Btl.No	DIC/Alk	GFF Vol	GFF Dup Vol >10 dup vol			
1										1
2	BIM	*195	16			X				2
3										3
4	30		17			140				4
5										5
6	20		18			140				6
7										7
8	10		19			139				8
9										9
10	0		20			139				10
11										11
12										12
1										1

→ fin line ü - video not seen

VESSEL USCGC Healy		CRUISE ID HLY1 501		PROJECT & LEG PITAE Arctic Mooring <i>and</i> Wavegliders		CTD FileName: CTD006.hex		STATION NO. 6							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		WIND DIRN (deg)		WIND SPD (kts)		BOTTOM DEPTH (m)		STA. NAME/ID	
0067		114.54 N		164.48 W		11 JUL 15 0254						416		6	
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		WEATHER OBS: Scattered clouds - SFC/Bottom Temp. 5.5/1.5 °C		SFC/Bottom Temp.		MAX. DEPTH = 39.5m					
PRESS SN		SBE43-Oxy (sec)		Transmissometer		REMARKS:									
PRI TEMP SN		PAR S/N		O2 Timp Sensor No.											
SEC TEMP SN															
PRI COND SN															
SEC COND SN															

Nis No.	DEPTH DESIRED	Rosette Notes	SALT		Hydro Team-PMEL		Chloro		POC 500 ml	Comments	Nis No.
			Nut.Btl	O2-Btl.No	DIC/Alk	GFF Vol	>10 Large Vol	GFF Dup Vol >10 dup vol			
1											1
2	BTM	~40	*197	26			191				2
3											3
4	30			27			140				4
5											5
6	20			28			140				6
7											7
8	10			29			139				8
9	0			30			139				9
10											10
11											11
12											12
1		Inline									1

Recorder Initials:

VESSEL USCGC Healy		CRUISE ID HLY1 501		PROJECT & LEG PITAE Arctic Mooring Wavegliders		CTD FileName: CD007.hear		STATION NO. 7							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		WIND DIRN. (deg)		WIND SPD. (kts)		BOTTOM DEPTH (m)		STA. NAME/ID	
0077124.36 N		16448.77 W		150420		0420						44		7	
SBE 9+		FLUOR S/N		WEATHER OBS: foggy / smalls		SFC/Bottom Temp. 4.5 / -1.1 °C		MAX DEPTH = 39.5 m							
PRESS SN		SBE43-Oxy (prime)		REMARKS:											
PRI TEMP SN		SBE43-Oxy (sec)		Aird bottle in O ₂ max (subsurface bloom)											
SEC TEMP SN		Transmissometer		subthermocline											
PRI COND SN		PAR S/N													
SEC COND SN		O ₂ Temp Sensor No.													

Recorder Initials:

NIS No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL		Chloro		POC 500 ml	Comments	NIS No.
			Nut.Btl	O ₂ -Btl.No	DIC/Alk	GFF Vol			
1									1
2	BTM		31		139				2
3									3
4	50		32		140				4
5									5
6	22	25 M	33		140			Chlor max (O ₂ max)	6
7									7
8	10		34		139				8
9									9
10	0	x198	35		139				10
11									11
12									12
1		Inline							1

VESSEL USCGC Healy		CRUISE ID HLY1501		PROJECT & LEG PITAE Arctic Mooring Wavegliders		CTD FileName: CTD009.hca		STATION NO. 9							
CONSC CAST #		LATITUDE		LONGITUDE		TIME (GMT)		WIND DIRN. (deg)		WIND SPD. (kts)		BOTTOM DEPTH (m)		STA. NAME/ID	
009		7124.10 N		16347.48 W		150743						47.88		9	
SBE 9+		DEG MIN		DEG MIN		HR MIN		Pressure (mb)		SFC/Bottom Temp.		MAX DEPTH = 40 m			
PRESS SN		FLUOR S/N		DAY MO YR		WEATHER OBS: Fog/Haze		RH (%)		REMARKS: ~2/3m swell					
PRI TEMP SN		SBE43-Oxy (prime)		15 07 43				DRY BULB (°C)							
SEC TEMP SN		SBE43-Oxy (sec)													
PRI COND SN		Transmissometer													
SEC COND SN		PAR S/N													
		O2 Tmp Sensor No.													

Nis No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL		Chloro		POC 500 ml	Comments	Nis No.
			Nut.Btl	O2-Btl.No	DIC/Alk	GFF Vol			
1									1
2	20M		41			139			2
3									3
4	80		42			140			4
5									5
6	20		43			140			6
7									7
8	10		44			139			8
9									9
10	0	x200	45			139			10
11									11
12									12
1		inline							1

Recorder Initials:

VESSEL: USCGC Healy
 CRUISE ID: HLY1501
 PROJECT & LEG: PITAE Arctic Mooring and Wavegliders
 CTD FileName: [blank]
 STATION NO.: 10

CONC CAST # 0107114.49N 16417.57W 18 JUL 15 1754
 TIME (GMT) HR MIN YR MO DAY
 WIND DIRN. (deg) WIND SPD. (kts)
 PRESSURE (mb) RH (%) DRY BULB (°C) GFF Dup Vol >10 dup vol

REMARKS:
 2nd MISSING CAL CAS
 TRIPPLICATES ARE FROM SAME BOTTLES
 pri Temp noisy on downcast
 pri sal noisy @ bottom on upcast
 NO SEC SAMPLES BTL DIDNT FIRE - LEFTS MOUNTED BOTTLES
 RECORDERS NOTICED
 Recorder Initials: SB

WEATHER OBS: SFC/Bottom Temp. MAX DEPTH = 40 m

NIS No.	DEPTH DESIRED	Rosette Notes	SALT	Hydro Team-PMEL		Chloro		POC 500 ml	Comments	NIS No.
				Nut.Btl	O2-Btl.No	DIC/Aik	GFF Vol			
1										1
2	40m	x201	46	139.5						2
3			47	146						3
4	30									4
5										5
6	20		48	A.B.C				A-140 B-139 C-140	Eco-Rite	6
7										7
8	10		49	139						8
9									Eco-Rite DID NOT FIRE	9
10	0		535752	A.B.C				A-139 B-137 C-140	SAME SIZE FILE	10
11									DID NOT FIRE	11
12									CABLE HUNG ON	12
									MIXIN	

31
32
33
34
35