00 10 ĕ 00 JSCGC Polar Sea PRI TEMP SN SBE 9+ 416 DESIRED PRI COND SN SEC TEMP SN PRESS SN Depth 05 B 7 0 8 30 60 0 v 54810.89 Rosette notes 2361 4353 2498 SALT 5 Nut.Btl O2Btl CHL T 9) 24 CRUISE ID PS1001 Hydro Team-PMEL 175,0497 SBE43-Oxy (sec) FLUOR S/N 088234 02 Tmp Senson No. PAR S/N 70112 Transmissometer cst436or SBE43-0xy (prime) 5 0 1 000 000 LONGITUDE 2.98 W | 3MARI KC1 427 777 もりは 別公 156 무유 DAY chlor p N O 山 W C BEST/BSIERP-Ice 2010 PROJECT & LEG Lee and Jackie Wd 0145823.2 × REMARKS Leakers TIME (GMT) 018 PhytoID CHI- are latel ChI-Sherr DRY BULB X Ship Designation (I.D. ) PS1001 or 1PS10 Urea Prod Part/DON Sambrotto (Didier) MET BULB #5 100 15N Julie 29505 Jared sot/chl (kts) WIND

\* CLOUD(amt) Maria Ted TYPE
WEATHER
DEPTH STATION NO. 39 MAX. DEPTH = Remarks STA. NAME/ID 1981 N<sub>O</sub> Nis. 5 9 œ 6

Station notes:

wind speed with out of not data to make suce the wind speed with out of her the ship is on station so I the ship is an Atlanta of the line of the of th

Status 300 2

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						0	W	ō	15	0	>c	DESIRED	Depth	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	026	Deg		6	JSCGC Polar Sea
												notes	Rosette					57473	416	eq W	MIN	LAT	62.05065	i iii
		V										SALT	W-	2863	2361	4353	2498	73		9	Ξ	LATITUDE	5065	
	138.48	THE STATE OF THE S				0	6	7	હ	13	14	Nut.Btl	Н							Y N	0		17	PS1001
			82						ne e			02Btl	Hydro Team-PMEL	D2 Tmp Senson No.	PAR S/N	<b>Transmissometer</b>	SBE43-Oxy (sec)	BE43-0xy (	FLUOR S/N	751	DEG	LONG	175.0324	PS1001
		2.85										CHL	+-PMEL	son No.			(sec)	SBE43-Oxy (prime) 5 0 1	088234	1.9	<u>₹</u>	LONGITUDE	24	
								施建				FrCHL	\$10 miles		12	cst436or		1	3 4	1 W 1	DAY		·	
ELAR.	771		E."		i in		<u>  ≣%</u>	ICA	WE'	18	11/13/6	chlor								N A	AY MO			BES
												bw	Lee and Jackie							R 1 0	¥			BEST/BSIERP-Ice 2010
												018	ckie	Altim 1062					REMARKS	406	HR MIN	TIME (GMT)		lce 2010
												PhytoID	Sherr	1062					O	S	T	-	-23,4	
						(	(		<	2	0	Urea Prod	Samb	5	2	سلملا	۷		i dien		(°C)	DRY BULB V		PS1001 or 1PS10
												od Part/DON	Sambrotto (Didier)	tahu	Sam	a Thro	-	ı	2 2		(°C)	WET BULB	1049	or 1PS10
.5.00								-0				L	dier)	him.	pla	8	^	4	Cast	<del>ر</del> م	(mb) *	PRE	SSURE	1
	381											15N	Julie	4	1	nuie	- /	1	///2 R	122	*	VIS	BILITY	-
					,							sot/chl	Jared	X X X	W D	heren	\		( Fan	0	(deg) (kt	DIRN. S		
				ŀ					3.7	// ctay/		Maria	Ted	ğ	ada	300	000	S		04	(kts) * *	CLC TYP	UD(amt	
			1.4640												عمد الم	ナ	0		ž.		*	WE	ATHER	NUC:
													Remarks	7	2	7	6		MAX DEPTH =	158	(m)	DEPTH	$\overline{}$	(5)
	:														3 m	200	-	~~~	"			STA. NAME/ID	VWC5	2
3	11	10	9	8	7	6	5	4	ω	2		N <sub>O</sub>	Nis		2				3			Æ/ID	2	

VESSEL USCGC Polar Sea	LATITUDE	LONGIT		RP-Ice 2010 TIME (GMT)	Designation (I.D. 1001 or 1PS10  DESTRUCTION OF THE STORY  DESTRUCTION	* SEA STATE * VISIBILITY	WIND DIRN.
Deg	LATITUDE	LONGITUDE MIN	DAY MO	_	DRY BUL (°C)	WET BULB	(°C) (mb) * SEA * VIS
362	ン ス ス ス ス	11   24 1 1   54 1 1	W   3   M   A   R	02026		•	302
SBE 9+	4 1 6	FLUOR S/N 0 8 8	2 3 4	REMARKS	)		
PRESS SN	5 7 4 7 3	SBE43-Oxy (prime)	5 0 1		-	acker Les	
PRI TEMP SN	2498	SBE43-Oxy (sec)					
SEC TEMP SN	4353	someter	6or			( \	W TAN
PRI COND SN	2361	PAR S/N 70112	2	Al fim 1 0	n I	2	~ K
DEPTH Roset.	2863	Hydro Team⊷PMEL	Lee and Jackie	Al um	₫ 🛭 σ		Sambrotto
No DESIRED notes	SALT	Nut.Btl O2Btl CHL	Fr CHL chlor b	bw 018 PhytoID	음	Urea Prod Part/DON	Urea Prod
5		9		/			100
5							
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200	14/3	957 7	5		0.00		
0 H 0	A/3	105 FC2	7				2003
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9 15	A/H			V			
10					27		
11 10	U	E 27	<		20		000,
12 6		) भि	/	✓			

Station notes: (~m 23)
Oa y 15 050
Julie NO

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Ĺ	500	0	ō	3	2	9	040	40	20	0	J	DESIRED	Depth	SEC COND SN	PRI COND SN	SEC TEMP SN	PRESS SN	SBE 9+ 4	0 H 6	Deg		
												notes	Rosette	V 2863		1	57473		LR Z	MIZ	LATI	
		26		N I	170			A		194	S.	SALT		63	61	53	3		. 05	Z	LATITUDE	
	(7.9) LO	29	28	*	7.7	100 A	Q Gr	2 PU	22		23	Nut.Btl	Ŧ	0	J				N / 7	0		0.00
		W. To	050									02Btl	Hydro Team-PMEL	D2 Tmp Senson No.	PAR S/N	Transmissometer	SBE43-Oxy (pnme) 5 0 1	FLUOR S/N	143	DEG	LONG	
	1-12	THE THE	42	10	200	LCS	CC	EG	126			CHL	PMEL	on No.		eter cst436or	олте) <u>5 0 1</u>	088234	. 65	MIN.	LONGITUDE	
												Fr CHL	1754	:	2	6or		4	W /	DAY		
CAP CS		_	7	1		_	1	7		3 475		chlor	Le						M A R	MO		010
											1	bw	Lee and Jackie					<u> 2</u> 2	1 0	¥		
		7	The second				7				7	018	ĉ	Altim 1		ح		REMARKS	2235	HR MIN	TIME (GMT)	10.0
					18							PhytoID	Sherr	1062		_	171	>	6		1	$\ $
		<			<			<		<		Urea P	Sam	,	3	J.	† ***			(°C)	В	- 0.00
		C						_				Prod Part	Sambrotto (D		7	?; ,	19	- 1		(°C)	WET BULB	
												Part/DON	(Didier)		1/5	2 2 2 2 2	Stanon	-	<u>-</u>	(mb)	PRESSURE	1
								Š		₩.		15N	Julie		ļ	3	. {		/	*	SEA STATE VISIBILITY	
												isot/chl	Jared			20			35	(deg) (	WIND DIRN.	
		7			1		簡			1 1		Maria	Ted			C	(\f	3	0	(kts) *	CLOPD(em	
	Tigal	Part -	15		28				101		767		200			8	113			*	TYPE WEATHER	
							eaker						Remarks			2	,	MAX. DEPTH = 63	(74)	<u>E</u>	BOTTOM DEPTH	
							7						ırks			`\d	>	# FHILD			N/W STA.	
																duce	-	3 3	MCWH		NWC4	
12	11	10	9	8	7	თ	ر.	4	ω	2	-1	No.	Z						4			

STATION NO. CTOOS

LATITIDE   LONGITUDE   TIME (AMT)   DAY BULLS WET BULLS RES A   S   S   S   S   S   S   S   S   S	CATITIOE   LONGTUDE   TIME (ANT)   DAY BULLS   WET BULLS   SA ATS   MAN DEPTH	LATITUDE   LANGTUDE   TIME (AMT)   DAY MAN   TRULL B WET BLUE BY SEC SIZE BY S	Stati	12	=	10	20	ω <b>ς</b>	71	ο,	ω V	74	3%	21/	-	N <sub>O</sub> .									
CATTIONE   LONGTIUDE   LONGTIUDE   TIME (GMT)   CPY BULLS   WET BULLS   WIND   WIND   SPE AT 15   CPY   CP	ATTITUDE   CONSTRUCTION   CONSTRUC	CATITUDE   CONGITUDE   The CAMT DAY MAD   The CONTINUE   The CAMT DAY MAD   THE CAMT DA	Station notes:			0	110	15	20	S	40	B	8	0	9	DESIRED	Depth	SEC COND	SEC TEMP	PRI TEMP S	PRESS SN	CDE O.	25	<u>p</u>	
UDE	LONGTUDE	CORDINATION   CONTINUE   THE (ANT)   CARP   MIN   CONTINUE   CARP   CA														notes	Rosette	1	1	l	574	416	<b>دو</b>	$\dashv$	9 X 118
CONSTUDE	THAT (GAT) DEF   THAT (GAT) DAY BULLS   WET BILLS   WATE   WATE	1				A2			#		>> 0 117:				A	SALT		863	353	498	73		0		
CONSTIDE	CONGITUDE   TIME (CMT)   DRY BULLS   WET	CONGITUDE   TIME (GMT)   TIME		1.5		W	23		34	S	(V)	32	8	Cy	3	Nut.Btl	HES THE						z ~	_	
DAY   MO   YR   HR   MIN   (*C)   (*C)   (*C)   (*Mb)   * * * * * * * * * * * * * * * * * *	DAY   MO   YR   HR   MIN   CO   (*C)   (*E)   Hr   Sering   Seri	DAY MO YR HR MIN			27H	10	11		HO.			G .		Į,		163	lydro Tean	OAR S/N D2 Tmp Ser	ransmissor	SBE43-Oxy	SBE43-Oxy	о г	7		14
DAY   MO   YR   HR   MIN   ('C')   ('C')   ('C')   ('M')	DAY   MO   YR   HR   MIN   (°C)   (°C)   (mb)   +   (deg)   (kts)   +   (mn)	DAY MO YR HR MIN (CO)				LC.	100		100	LC4	125	106		Santa Tanas		유	n-PMEL	701 Ison No.			(prime) <u>5 0</u>	?	.	MIN SI OPE	
1	DRY BULB   WET BULB   EX   S   S   S   S   S   S   S   S   S	DRY BULB   WET BULB   SS   SS   SS   SS   SS   SS   SS	(_)				90		8	•	O1	0 -				Fr CHL	10 C TH 1	12	36or		1	2	`	₽ 	(
1	DRY BULB   WET BULB   EX   S   S   S   S   S   S   S   S   S	DRY BULB   WET BULB   SS   SS   SS   SS   SS   SS   SS	لگ	=50	1111	1	7	23/1	9	7	7	7	31301		20.70	chlor							> ≥	$\dashv$	
DRY BULB   WET BULB   SSS   ON SISS   WIND   ON SPD. C  C  C  C  C  C  C  C  C  C  C  C  C	DRY BULB   WET BULB   EX   S   S   DIRN.   SPD.   S   E   E   E   DEPTH	DRY BULB   WET BULB   SW   A   BOTTOM   STA. NAME/ID   C'C)   ("C)   ("D) * * (deg)   (kts) * * * (m)	< <						`						/	bw	ee and Ja					_		¥	
DRY BULB   WET BULB   SSS   OR SSS   DIRN.   SSP. Col   PR	DRY BULB   WET BULB   EX   S   S   DIRN.   SPD.   S   E   E   E   DEPTH	DRY BULB   WET BULB   SW   A   BOTTOM   STA. NAME/ID   C'C)   ("C)   ("D) * * (deg)   (kts) * * * (m)	006			<				7					<	018	ckie	Altim 1			KEMAKAO	THANKS.		HR GM	7117 /24
ET BULB PRESS  (*C) (mb) * SEA S SISIB WIND WIND SPD. Close SPD. C	C   C   C   C   C   C   C   C   C   C	C   C   C   C   C   C   C   C   C   C						7									Sherr	062						$\overline{}$	
Dilb Wind Wind Wind Dirk.    Chidier   Julie   Jared   Ted	Didier   Julie   Jared   Ted   Remarks	JLB PRESS A SIGN WIND WIND OF PH STA. NAME/ID  (mb) * (deg) (krs) * * (m)  (Didler) Julie Jared Ted Remarks  (Oidler) Julie Jared Ted Remarks  (Oidler) Maria  (Oidler) Julie Jared Ted Remarks	J 3 D														Sambro							+	
15N   Wind   W	SEL SIB WIND WIND OF SOLUTION SED CLIPE AT BOTTOM (deg) (kts) * * TEDEPTH  SOLUTION  Remarks	SESSIBLE WIND WIND OF SETTION  * * (deg) (kts) * * * (m)  * * (deg) (kts) * * * (m)  * * * * * * * * (m)  * * * * * * * * (m)  * * * * * * * * (m)  * * * * * * * * * * (m)  * * * *															otto (Didio							- 1	2
Sot/chi Maria	WIND WIND OF SOLE BOTTOM OIRN. SPD. CLIP WE DEPTH  RODIN (kts) * * * (m)  WAX DEPTH  Solt/chi Maria  Remarks	Spb.   Spb.   Sta. Name/lb   Spb.   Spb.   Spb.   Spb.   Spb.   Sta. Name/lb   Spb.		<b>T</b>		\$ E	0	200	0	0	F.33	0	757	Q	0		ă						1	* SE	A S
Maria de Mearia Ted CLOUE  * TYPE  * WEAT	WIND OUR SPD. CLOPE WAX DEPTH  Ted  Remarks  Remarks	WIND OF SPD. CLY PE AT BOTTOM STA. NAME/ID SPD. CLY WEAT DEPTH STA. NAME/ID SPD. CLY WEAT DEPTH = 6/2 m  Ted Remarks  N Maria  Remarks				3.,	ō		B	80	M.	Ž1	13	8	6		130				6				
TYPE  * WEAT	aria de Remarks  Remarks	CLOUE TYPE  * WEAT  DEPTH  * WEAT    MAX DEPTH = 6/ m					H	E 1:1-	Less				1-00		5=1					8	1		-		
	BOTTOM DEPTH  SOF	REMARKS  Remarks  Remarks												Ē		aria	ed				6	ļ		* CI	LOUE YPE
		STA. NAME/ID  Arks  Arks														!	Rem			5	MAX. U		74		

VESSEL USCGC Polar Sea

CRUISE ID PS1001

BEST/BSIERP-Ice 2010

Ship Designation (I.D. ) PS1001 or 1PS10

C2=242 Nut=0037 Julip=No!!

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		0	10	15	20	30	140	50	60	6	6	DESIRED	Depth	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	666	0	27	VESSEL USCGC Polar Sea
												notes	Rosette				1	57473	416	233	Deg	S#	Sea
		AII									A9	SALT	е	2863	2361	4353	2498	173		3.33	MIN	LATITUDE	
		) 43	42		141	40	3	(v)		45		Nut.Btl	Н							Z	D		PS1001
		} . :								242		02Btl	Hydro Team-PMEL	D2 Tmp Senson No.	PAR S/N	Transmissometer	SBE43-Oxy (sec)	BE43-0xy (	FLUOR S/N	7350	DEG	LONG	PS1001
		201	LC2		LC3	1CH	705	166				유	-PMEL	son No.		eter cst436or	sec)	SBE43-Oxy (prime) 5 0 1	088234	0.48	<u>S</u>	LONGITUDE	
		02.79										FF CHL	SERVING LA		2	36or			3 4	× ) (5	DAY		
		- 64-2		819825	iarii.							chlor	Le							≥ ≥ R	MO		BEST
					22							bw	Lee and Jackie	L					20 20 20 20 20 20 20 20 20 20 20 20 20 2	1 0	¥	-4	PROJECT & LEG BEST/BSIERP-Ice-2010
13.20		Tax	127 130	1	1022	-may	THE CO.	1.23	-mio.	Santa	10171	018 P	CTOT	Altim 1 (					REMARKS	654	HR MIN	TIME (GMT)	e-2010
					橘							PhytolD	Sherr	1062		68					(°C)	DRY BULB	<u> </u>
											Н	Urea Prod	Sambrotto									-	Ship Design: PS1001 or
		:		:						0974		Part/DON	tto (Didier)								(°C)	WET BULB	Ship Designation (I.D. ) PS1001 or 1PS10
	\$6°											15N	) Julie							09	(mb) * *	PRESSURE SEA STATE VISIBILITY	
W				143								isot/chl	lie Jared					-	)	200	(deg)	DIRN.	
INA SA				34				<b>混</b> 埋				chl Maria	Ted					3	j	2	(1886) *	SP NO	
		劉	罐						ew.	***		ಪ'	100					4	20		*	TYPE WEATHER	STATION NO.
										. 11			Remarks						MAX. DEPTH =	71	(m)	ВОТТОМ DEPTH	- U
	;										:		ks						TH= 60			VNG3 STA. NAME/ID	12006
13	11	10	9	œ	7	6	5	4	ω	2	_	No.	Nis						₃			3 ME/ID	6

PS10:01-05

	Station notes:	
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(VECCE)	ליסו ווכב וח	القار القار	T 9. 1 EC	IChia Decigna	*ion / D /			CTATION NO
VESSEL USCGC Polar Sea	PS1001	BEST/B	PROJECT & LEG BEST/BSIERP-Ice 2010	Ship Designation (I.D. PS1001 or 1PS10	ignation (I.D. ) or 1PS10			STATION NO.
4 8), h.C	14.98				SSURE STATE	BILITY		ATHER
LATITUDE	LONGITUDE		TIME (GMT)	8			SPD.	TYP
Deg MIN	DEG MIN	DAY MO	YR HR MIN	Н	(mb)	*	(kts)	* * (m)
0076234.61	N 1 73 37.40	W 6MAR	100222	•	. 10	1094	417	
SBE 9+ 4 1 6	FLUOR S/N 088234	100	REMARKS			09		MAX. DEPTH =
Z	ਰੂ							
ž	SBE43-Oxy (sec)							165
SEC TEMP SN 4353 PRI COND SN 2361	Transmissometer cst436or	or				0	1 -0	
	Senson No		Altim 1062	62				
Roset	Hydro Team-PMEL	Lee a	Lee and Jackie	FE	Sambrotto (Didier)	Julie Jared	d Ted	Remarks
No. DESIRED notes SALT	Nut.Btl 02Btl CHL	Fr CHL chlor	bw 018 Ph	PhytoID Urea Prod	Part/DON	15N sot/chl	'chl Maria	, a
1 b A/11			< <					
2 6	44 - 44		伙厅	7	7			
3 50	45 LCG	8				تو	禮	
4 40	46 165	7				Į.	ZIZ V	
5 30	47 LC4	7		_	7		Z.	
6 20	48 LC3	7	1150	O STATE		14	3"V	
7 15					1	\ 		
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9 10	49 LCa	1		133		5		
10	So La	/			7	ri,	j. S	
12					15		u Tz	

Static	12	1	ő	9	œ	7	o	ر.	4	ω	2	_	8							0			DSCG 1
Station notes:	,			0	101	151	201	30	401	501	3,71	Bot,	DESIRED	Depth	SEC COND SN	ORI COND SN	PRI TEMP SN	PRESS SN		086	Deg		USCGC Polar Sea
									,				notes	Roset	lι	1	ŀ	57	416	240	Н	<u>S</u>	a
				AM				88				部分	SALT		2863	2361	2498 4353	7 3		0.60	MIN	LATITUDE	
	100		1 113	57	56	\$5 	4	54	G W	6	57	6	Nut.Btl	H						Z	D		PS1001
				1113							143		02Btl	Hydro Team-PMEL	D2 Tmp Senson No.	PAR S/N	SBE43-Oxy (sec) Transmissometer	BE43-0xy (	FLUOR S/N	732	DEG	LONG	01
			18	101	100	1711	203	12X	202	166			유	1-PMEL	son No.			SBE43-Oxy (prime) 5 0 1	088234	22.0	MIN	LONGITUDE	
					ф		<i>w</i>		ol .	6		#0) %	Fr CHL	THE SHIP STATE		12	cst436or		3 4	07w/	DAY		
このか	and the second	100				8	100						chlor	300						Z >	Y MO		BES
Not I while		_	-	$\vdash$									bw	Lee and Jackie						R 1	ΥR		BEST/BSIERP-Ice 2010
- 6.													018		Altim 1				REMARKS	1449	HR MIN	TIME (GMT)	-Ice 2010
					11.5	<		100				ZV B	PhytoID	Sherr	1062					2	Н	1	
													Urea Prod	Sambrotto						-	(°C)		PS1001 or 1PS10
													od Part/DON	rotto (Didier)							(°C)	WET BULB	r IPS10
										-0:		1 22		lier)		ŀ				- 3	$\subseteq$	PRESSURE SEA STATE	
													15N is	Julie J:						( )	*	VISIBILITY  DIRECT	
					12								sot/chl	Jared					50	39 1		ND WIND SPD.	:
			F							111		N. KIIII	Maria	Ted				1	100	MEL	*	CLOUD(amt TYPE	
						!								Re					MAX	Z Z		WEATHER BOTTOM DEPTH	
														Remarks					MAX, DEPTH =	70			27.86
																			25	701		STA. NAME/ID	1/8
	12	=	<b>1</b> 0	9	8	7	თ	رى د	4	ω	2	-	N <sub>O</sub>	Nis					3			ō	48

PRODCTD

		9		0	7	6 0 A16 69	5 63	4 /0 62	3 15 61	2 20 60	1 25 A15 59	No. DESIRED notes SALT Nut.Btl 02Btl CHL Fr CHL chlor b	Rosette Hydro Team-PMEL	PRI COND SN 2361 PAR S/N 70112  SEC COND SN 2863 D2 Tmp Senson No.	4353 Transmissometer	SN 2498 SBE43-Oxy (sec)	N 57473 SBE43-Oxy (p	SBE 9+ 416 FLUOR S/N 088234	0096245.35N17324161W16MARIO	DEG	LATITUDE LONGITUDE	VESSEL CRUISE ID PROJECT & USCGC Polar Sea PS1001 BEST/BSIEF	
												bw 018	Lee and Jackie	Altim				REMARKS		Н	TIME (GMT)	PROJECT & LEG BEST/BSIERP-Ice 2010	,
												PhytoID Urea	Sherr	1062				S	6	Н	MT) DRY BULB		†
						7	7	ſ	7	٢	1	Prod	Sambrotto		-	-	رَ	)			νετ BULB	Ship Designation (I.D. PS1001 or 1PS10	
												Part/DON	(Didier)				2 0 2		~	(mb)	PRESSURE	ກ (l.D. ) :10	
		# G				7/18 1/18 1/18 1/18 1/18 1/18 1/18 1/18						15N	Julie							*	SEA STATE VISIBILITY		
												isot/chl	Jared			1		78			WIND WIND DIRN. SPD.		
												Магіа	Ted			`	170	97	7	*	CLOUD(amt TYPE		
													Remarks					MAX DEPTH = 6/	71 01	(m)	BOTTOM STA. NAME/ID	STATIONNO. PSIADI-008	,
12	11	10	9	8	7	6	ν,	4	ω	2	_	N <sub>O</sub>	Nis					3	1854			S	

Station notes

Nutrient Sample 0058 to D. Burdloff
for 1ce Station Sample -7 See Ceval 13; Sample used for one water

12	=	10	9	8	7	თ	ر.	4	ω	2	-	S										DSSSET NESSET
		C	10	3)	15	9	30	40	50	0	5	DESIRED	Depth	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN		06	Deg		/ESSEL JSCGC Polar Sea
												notes	Rosette	١			ľ	416	2 4 5		LATI	ä
	v.		18			A18		AIT				SALT	G N	2863	2361	4353	2498		. 70	Z	LATITUDE	
	P8/10	77	70		Series Li	69	68	167	(6/6		65	Nut.Btl	H.					7 11	z —	10		CRUISE I PS 1001
J. It		W (	100				N I					02Btl	Hydro Team-PMEL	02 Tmp Senson No.	PAR S/N	Transmissometer	SBE43-Oxy (sec)	FLUOR S/N	732	DEG	LONG	CRUISE ID PS1001
		17/	LCa			LC3	477	5.27	106			CHL	-PMEL	on No.		eter cst436or	SBE43-Oxy (sec)	088234	6	<u>S</u>	LONGITUDE	
		F			3 <u>0</u>				9			Fr CHL			2	36or	i	4	7 w !	DAY		
	3911	<	5		1115	7	<	~	<	1200	1.5	chlor	٦						M A	MO		PRO. BEST
										:	<	bw	Lee and Jackie	<u></u>				<b>20</b>	R 1 0 6	¥		PROJECT & LEG BEST/BSIERP-Ice 2010
		<					<				\	018	<u>Si</u>	Altim 1				REMARKS	3255	HR MIN	TIME (GMT)	G ce 2010
		4.	N M		<							PhytoID	Sherr	1062						(°C)	DRY BULB	77 (0
		7				7		<		5		Urea Prod	Sambrotto	i					•			Ship Designation ( PS1001 or 1PS10
		6				7		7		7		Part/DON	otto (Didier)							(°C)	WET BULB	Ship Designation (I.D. PS1001 or 1PS10
1122	(0157)	1 6 5	Q.	J. 7		53)			-										15	(mb) *	PRESSURE SEA STATE	
			30			20	-88	à	4		6	15N so	Julie Jai				B		00	* (deg)	VISIBILITY DR.W.	
	Frank 1				<				10000			sot/chl	Jared		!	•	0	2/4	8509	) (kts)	SPD.	-
	1011	42		74		2						Maria	Ted			+	7			*	CLOUD(amt	STAI
							00						Rer					MAX. [	71	(m)	0 B	STATION NO. UNGY
													Remarks					MAX. DEPTH =		-		100
																		3		-	STA. NAME/ID	7
12	1	10	ဖ	œ	7	െ	5	4	ω	2	-	N O	Z.						<u> </u>			<u> </u>

Julie 16 Nux 65 (58 was Didies's ressample)

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jiya.	9	2	76			و 0 0
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Gen						2 D
	_		72	A19	50	<u>-</u> О-
018 PhytoID	chlor bw	CHL Fr CHL	Nut.Btl 02Btl	SALT	notes	No. DESIRED
Jackie Sherr	Lee and	n-PMEL	Hydro Tea		Roset	Depth
Al tim 1 0		_	PAR S/N OZ Tmp Se	361	_	PRI COND SN
			Transmisso	353		SEC TEMP SN
		S	SBE43-Oxy SBE43-Oxy	7 4 7 3 498	ار.	PRI TEMP SN
REMARKS		8 8 2	FLUOR S/N	- 6		SBE 9+
00659	A R 1	5.35w-	-	00	3	11
┵	MO YR	MIN DAY	DEG	IIN I	$\vdash$	0
TIME (GMT)						
\P-lce 2010	BEST/BSIE		PS1001		bea	VESSEL USCGC Polar Sea
apara (ami   1,5 m   1,5 m		PROJECT & LEG BEST/BSIERP-ice 2010  TIME (GM MO YR HR M A R 1 0 DG  REMARKS  REMARKS  Or bw 018	PROJECT & LEG   BEST/BSIERP-ice 2010   TIME (GM   TIM	LONGITUDE	CRUISE ID   PROJECT & LEG	CRUISE ID   PROJECT & LEG   BEST/BSIERP-Ice 2010

11 10	10	-	9	0	7 /	6 /5	5 20"	4 301	3 40 V	2 57	- \$2	No. DESIRED	Depth	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	012			VESSEL USCGC Polar Sea I
				2	10.	150	70	NC	A	,	+4	(ED notes	th Rosette				1		416	26258	Deg	<u> </u>	r Sea
		10 H	松舞	22A			MANN S			7,44	21A	SALT	е	2863	2361	4353	2498	73		80 . 12	MZ.	LATITUDE	
	10 L			85	84		9) (V)	82	Ø	88	79	Nut.Btl 07	Hydro	02 Trr	PAR S/N	Transr	SBE43	SBE43	FLUOR S/N	N 172	DEG		CRUISE ID PS1 001
				LCI	77		71	LCY	465	LC6		028tl CHL	Hydro Team-PMEL	02 Tmp Senson No.		Transmissometer cs	SBE43-Oxy (sec)	SBE43-Oxy (prime) 5 0 1	S/N 088234	7259.2	MIN	LONGITUDE	
					LCZ		463	4	5	6		Fr CHL	ANE THE TANK		70112	cst436or		01	2 3 4	20 W 17	DAY		
												chlor	Lee an							A R	MO		PROJECT & LEG BEST/BSIERP-IC
				1				1			7	bw 018	Lee and Jackie	Altim		1			REMARKS	01507	YR HR MIN	TIME (GMT)	PROJECT & LEG BEST/BSIERP-Ice 2010
						1						PhytoID Urea	Sherr	1062						7	(°C)	- 8, 3 T) DRY BULB	Shi PS:
												Prod	Sambrotto								(°C)	B WET BULB	Ship Designation (l.D. ) PS1001 or 1PS10
												Part/DON	(Didier)							6	(mb) *	PRESSURE	_
					B		26		22	Z,	77	15N iso	Julie Jared					1		15	* (deg)	SEA STAT VISIBILITY DR WIND	
	1.0		1 Bir			TEM					110570	isot/chl Maria	ed Ted				į	10	Þ	2 4	<u> </u>	SPD. WIND	ot)
	ŧŲ.	400	E.	her		C.	18	100		ile		ลั	104			1			MAX.	7	* * (m)	TYPE WEATHER	ST
			!	1		•							Remarks						MAX. DEPTH =	70	-	OM UNG 5	1-010
12	=	10	9	8	7	6	5	4	ω	2	_	No.	Nis						3			AME/ID	

01/10

Station notes: = 10 8 9 00 6 S 0 PRI TEMP SN PRI COND SN SEC TEMP SN PRESS SN SBE 9+ 0 DESIRED SEC COND SN 0 8 Depth W Ò σ Ō 2 2 30 6 Rosette notes 4353 2498 2361 SALT なな 3 Nut.Btl N 17242.50W 90 29 15 80 78 86 Hydro Team-PMEL SBE43-Oxy (prime) 5 0 1 D2 Tmp Senson No. Transmissometer cst436or SBE43-Oxy (sec) FLUOR S/N 088234 02Btl 208-Surf 208 足 207 13 Fas LC4 2 FROH 7 M A R 1 chlor Lee and Jackie 58 used this status (Dichese) 7 **新** 02106 top of were water Wd REMARKS 018 Altim 1062 PhytoID Sherr 90 ∪rea Sambrotto (Didier) Prod Part/DON S 15N Julie isot/chl Jared Ted Maria MAX DEPTH = Remarks

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ω N

JSCGC Polar Sea

CRUISE ID PS1001

PROJECT & LEG BEST/BSIERP-ice 2010

Ship Designation (I.D. ) PS1001 or 1PS10

STATION NO.

LATITUDE

DEG

LONGITUDE

DAY

8

茮

M

TIME (GMT) DRY BULB

WET BULB

VISIBILITY

SPEND CLOUD(amt)
TYPE
WEATHER

DIRN.

BOTTOM DEPTH

SLUC 3C STA. NAME/ID

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No.

Julie 26 News 92

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			と				7		5		LCH		93	0		<u>3</u> 0	2
			26			<b>发现的</b>	ma	7	7	1000	105		92	(E)	14	D	-
No.	Maria	isot/chl	15N	Part/DON	a Prod	PhytolD Urea	018 Pł	bw C	chlor	Fr CHL	윋	02Btl	Nut.Btl	SALT	notes	DESIRED	N <sub>O</sub>
Remarks	Ted	Jared	Julie	o (Didier)	Sambrotto	Sherr		Lee and Jackie	Lee a	54 104 BV	PMEL	Hydro Team-PMEL	Ну		Rosette	Depth	
						62	Altim 1062				on No.	02 Tmp Senson No.		63		SEC COND SN	
	1-6	6	<u>.</u>	į						19	70112	PAR S/N	PA	61	2361	DRI COND SN	
10 07	(3)	doals	Hau	white	30 m	<b>→</b> 3	CI	1			•	SBE43-Oxy (sec)	1 2	98	1	PRI TEMP SN	
cost	01	slowed	2	n hate	halled in	ce hu				:	rime) 5 0 1	SBE43-Oxy (prime) 5 0 1	SB SB	3	57473	Z	
MAX. DEPTH = 41 m		3				)	REMARKS	REM			088234	FLUOR S/N			416	SBE 9+	
7.0	22	2001	1	. 10		-5.	0246	100	A R	w	. 45	7218	Z	. 49	6234	146	
(m)	*	(deg) (kts)	*	-	(°C)	Ĉ	N N	YR HR	MO	DAY	MZ		DEG	_	$\vdash$	Deg	
PEATHER PORTON P	CLOUD(amt	WIND WIND WIND SPD.	SEA STATE VISIBILITY	PRESSURE	8 WET BULB	DRY BULB	TIME (GMT)	TIM			TUDE	LONGITUDE		LATITUDE			
ū				1PS10	PS1001 or 1F	PS1	2010	BEST/BSIERP-ice 2010	BEST/B			21	PS1001			VESSEL USCGC Polar Sea	USCGC F
STATION NO.	STA			ion (l.D. )	Ship Designation (I.D.	Shi		PROJECT & LEG	IPROJEC			F ID	I I I I I			CEI	SES.

02 144 NWR

Static	12	]=	10	9	8	7 5	6_	5 ~	4	3 (	Ŋ	ŧ	N <sub>O</sub>							3			VESSEL VESSEL
Station notes:						0	10	15	20	30	40	bot	DESIRED	Depth	PRI COND SN SEC COND SN	SEC TEMP SN	PRI TEMP SN	DRESS SN			Dea		VESSEL USCGC Polar Sea
													notes	Roset	1	1 1	2	n   4	. 1	2	$\dashv$		a)
	300				1155	000				8	-# 	S S	SALT	22	2361 2863	4353	,	7 4 7	, [	24	z	LATITUDE	
			3871111183			107	106		105	104	103	102	Nut.Btl	Ĥ.				۵ 2 <u>1</u>	-	<u>z</u>	DEG		CRUISE ID PS1001
					3-1							2	02Btl	Hydro Team-PMEL	PAR S/N O2 Tmp Senson No.	Transmissometer	SBE43-Oxy (sec)	SBE43-Oxy (prime)	. –	7/2		LONG	SE ID
						101	627	700	103	LCH	155	4CL	어L	-PMEL	701 No.	eter cst436or	sec)	α	, [	<u> </u>	<u>₹</u>	LONGITUDE	
					2					_			Fr CHL	THE STATE OF	12	36or	ı	5 0	,	N .	DAY		
	101	ma	54						100		100	当初	chior					-   +		<u>∠</u>	Y MO		PRO BES
7 L)					:					ļ <u>-</u>			bw	Lee and Jackie					-	7 1 0	¥		PROJECT & LEG BEST/BSIERP-ice 2010
L'a						1			1			7	018	ckie	Al tim 1			REMARKS			HR MIN	TIME (GMT)	.G Ice 2010
Julie 30 Nuts 102						100							PhytoID	Sherr	0 6 2				-		-	T) DRY BULB	
													Urea Prod	Sambrotto					-				Ship Designation (I.D. ) PS1001 or 1PS10
							î						d Part/DON	otto (Didier)					-		(°C)	WET BULB	nation (I.D 1PS10
	702	153	1 100-	S res <sup>th</sup>				m23			( )					::				8	_	PRESSURE SEA STATE	
			J.				200	M.	S	S.	3/	30	15N isc	Julie				س		N <sub>o</sub>		VISIBILITY DR WIND	
					10.00		1 10 00			I LETTE	TINGS:		sot/chl	Jared			-	5		1		ID WIND	
									\$4 80 2	贬			Maria	Ted				9	-		*	CLOUD(amt TYPE WEATHER	
										-		!	Ī	Re					MAX	52	(m)	BOTTOM	STATION NO.
					į									Remarks					PTG			()	
																			42 m			STA. NAME/ID	
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1	=	10	9	œ	7	6	5	4	ω	2		8		<u>υ</u>				<u>δ</u>	0		<u> </u>	USCGC F
				0	2,6	۲۶,	80	81	404	\$ 25	Bot	DESIRED	Depth	SEC COND SN	PRI COND SN	PRI TEMP SN	PRESS SN	SBE 9+ 4	1762	Deg		JSCGC Polar Sea
					Ì					\		notes	Rosette	-   	1	1	57	416	231	Н	A	a
		B		000						C7	77	SALT	STATE OF	2863	2361	2498	ω		<b>∞</b>	Z	LATITUDE	
				113	112	///	111	110	109	108		Nut.Btl	H,			 			N N	DEG		PS1001
				147								02Btl	Hydro Team-PMEL	D2 Tmp Senson No.	PAR S/N	bBE43-Uxy (sec)	3E43-0xy (	FLUOR S/N	20	G	LONG	01
				1 kc/	102		LC3	FCH	405	TCC		어느	-PMEL	on No.	70112		SBE43-Oxy (prime) 5 0 1	08823	7.1	MZ	LONGITUDE	
Witten					2			7				Fr CHL			2	Sec.		4	w + 8	DAY		
	Pyte	1000					eti int			2,31		chlor	اد						⊗ A	Υ MO		BEST
												bw	Lee and Jackie					70	R 1 0	¥		BEST/BSIERP-Ice 2010
												018	kie	Altim 1			İ	REMARKS	323	HR MIN	TIME (GMT)	ce 2010
												PhytoID	Sherr	1062						(°C)	- 4, & DRY BULB	
			L		-							Urea Prod	Sambro								Ψ <	PS1001 or 1PS10
				<del> </del>								d Part/DON	Sambrotto (Didier)						•	(°C)	VET BULB	1PS10
		I.D.		190		- LUI		Jule)	/160	2/1/	523		(S)						7	(mb) *	PRESSURE SEA STATE	
					ħ							15N iso	Julie Ja				-		113	* (deg)	VISIBILITY DRN.	
												sot/chl	Jared			_	U	3	3313	g) (kts)	N. WIND	$\frac{1}{2}$
												Maria	Ted				6		8	*	CLOUD(amt	t)
										!			Re					MAX.	S	(E)	WEATHER BOTTOM DEPTH	1
													Remarks					MAX. DEPTH =	52			100/
											l II								00	-	CO 2 STA. NAME/ID	10/
12	=	ī	9	<b>∞</b>	7	6	5	4	ω	2	-	S O	N.S.					3	6			

12	=	ō	ıı	P	œ	7	ത	5	4	ω	23	-	N <sub>O</sub>								0			USCGC
						0	5	10	15	20	25	501	DESIRED	Depth	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	186	Deg		/ESSEL JSCGC Polar Sea
													notes	Roset	]	ĺ			574	416	8 62336		<b>5</b>	
		<del> </del>	-	-		(7)						(2)	SALT	10	2863	2361	4353	2498	7473		363	MN	LATITUDE	
		1	$\frac{1}{1}$			0		_													Z			
						120	119	3011	117	116	115	114	Nut.Btl C	Hydro	02 1	PAR S/N	Trans	SBE4	SBE4	FLUO	1721	DEG		PS1001
					İ								02Btl	Hydro Team-PMEL	02 Tmp Senson No.	ž	Transmissometer	SBE43-Oxy (sec)	3-0xy (pr	FLUOR S/N	012		LONGITUDE	
			Ī		53						-		운	JEL	n No.		ler cst436or	<u>၀</u> 	SBE43-Oxy (prime) 5 0 1	088234		Z Z	lg.	
		-									-	b	Fr CHL			12	36or			3 4	7.6W	_		
· · · · -			()						-	l T			1								<b>⊘</b> Q <b>≾</b>	DAY	-	
						_		_			ļ. <u>.</u> _		chlor	Lee a	  - 	18		1		l	A R	8		BEST/BSIERP-Ice 2010
	!								,				bw	Lee and Jackie						RE	0	¥ ¥		W LEG
										1			018		Altim 1					REMARKS	8.36	MN		2010
						- 1							PhytoID	Sherr	1062					Produch	0-			
													Urea	l 👸						120		(°C)	_√, ( DRY BULB	PS1001
													Prod	Sambrotto						50117		- (°C)	WET BULB	PS1001 or 1PS10
													Part/DON	(Didier)								(mb)		10 (1.5.
		-	+		-		-	<u> </u>		+	-	-	15N	$\vdash$						2057	5	10	SEA STATE	
	,									_				Julie					+			(deg)	VISIBILITY	1
													isot/chi	Jared					0		24113	1	1	-
 									,				Maria	Ted					C	)	3	(s)	CLOUD(am	
		200	+	-		-		+	-	+				-	1				O	1		<del>,</del>	TYPE WEATHER	
														Remarks						MAX. DEPTH =	53	1	ВОТТОМ	11
														arks									STA	5/001
																				3		-	CDX STA. NAME/ID	010-1
12	=	ļ	1	9	ω	7	6	C/I	4	ω	2	-	N N	N.S.	1				1.	3			<b>5</b>	G

10 No S. PRI COND SN DESIRED SEC COND SN 900 Ñ Depth ō 2863 Rosette notes 2361 SALT 7 Nut.Btl 123 ń 194 2.6 CE Hydro Team-PMEL PAR S/N D2 Tmp Senson No. 02Btl 웆 5 5 たり トンコ CCS 파오 chlor < < Lee and Jackie Wd 018 Altim 1062 PhytoID Sherr Urea Sambrotto (Didier) Prod Part/DON 78 33 36 S 15N Julie Jared isot/chl Maria Ted 7 Remarks Nis 8 = 10 ဖ თ Ċ 4 ω 2 œ

USCGC Polar Sea

CRUISE ID PS 1001

PROJECT & LEG BEST/BSIERP-Ice 2010

Ship Designation (I.D. ) PS1001 or 1PS10

+6 38S

416

6239.

0 S z

17214.03W

1 9 M A R 1

00737

6

0

57

MAX. DEPTH = 43

3

Soft

REMARKS

LATITUDE

ĭ Z

DEG

LONGITUDE

DAY

8

¥

TIME (GMT) DRY BULB
HR MIN (°C)

WET BULB

PRESSURE SEA STATE

VISIBILITY

TYPE WEATHER

BOTTOM

STA. NAME/ID

6000

Crond(aut)

STATION NO.

6

PRESS SN

SBE43-Oxy (prime) 5 0 1

FLUOR S/N 088234

SBE43-Oxy (sec)

Transmissometer cst436or

PRI TEMP SN SEC TEMP SN

4353

2498

Julie 35

961 R

12	11	10	9		œ	7	6	σ	4	ω	2	_	N <sub>O</sub>								9			VESSEL USCGC F
						0	101	15"	200	So	401	Bot	DESIRED	Depth	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	206	Deg		VESSEL JSCGC Polar Sea
													notes	Roset					57473	416	6245	Н	Ā	a .
			X.		-	C14	#					C13	SALT		63	61	53	98	3		1.0/	Z	LATITUDE	
						131	130		129	128	127	126	Nut.Btl	Нус		PA	Tra	SB S	BSB		z / 7/	DEG		PS1001
								23H				197	02Btl	Hydro Team-PMEL	02 Tmp Senson No.	PAR S/N	Transmissometer	SBE43-Oxy (sec)	SBE43-Oxy (prime) 5 0 1	FLUOR S/N	1 39		LONGITUDE	31 6
			W.	8		101	LC2		463	404	105	106	유	MEL	n No.		ter cst436or	č) 	ime) 5 0 1	088234	00	NN	TUDE	į
											RAIT SAIT Part	2	Fr CHL				òor			4	\$ 0 3	DAY		1
						(	6		(	(	1	1	chior	Lee							M A R	MO		BEST/I
			Γ										bw	Lee and Jackie						20	1 0	¥		PROJECT & LEG BEST/BSIERP-Ice
						7	Technology (	Wine U	1	1170000		7	018	kie	Altim 1					REMARKS	1435	HR MIN	TIME (GMT)	PROJECT & LEG BEST/BSIERP-Ice 2010
								1					PhytoID	Sherr	1062							(°C)	J4.8	
													Urea P	Sam							<u>.                                    </u>		-	PS1001 or
			-	4									Prod Part	Sambrotto (Di								(0)	WET BULB	PS1001 or 1PS10
													Part/DON	(Didier)							04	(mb)	PRESSURE	:5
											2 8/1		15N	Julie								*	SEA STATE VISIBILITY	
													sot/chl	Jared					10		4	(deg) (k	WIND W	-
502					Ty/					rajo			Maria	Ted					C	W	as a	(kts) * *	SP N CLOUD(am TYPE	
0.50								21-												N,	-112-1	*	WEATHER BOTTOM	OF ALLON NO.
												;		Remarks						MAX. DEPTH =	53	-(m)		-
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T	,	┨	LATITUDE	1	1	LONGITUDE	1		+	4	B				VI		CL	TY	0	STA. NAME/ID	$\perp$
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	Depth	Roset	(S)	Нус	Hydro Team-PMEL	PMEL		Lee	Lee and Jackie		Sherr	Samt	Sambrotto (Didier)	er)	Julie	Jared	Ted	$\dashv$	Remarks		Z.
N <sub>O</sub>	DESIRED	notes	SALT	Nut.Btl	02Btl	윋	Fr CHL	chlor	bw	018 F	PhytoID	Urea Pr	Prod Part/DON	NOC	15N	isot/chl	Maria	Pil		Z	, No
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LATITUDE	_	LONGITUDE			TIME (GMT)	ORY C		WET BULLS PRESSURE	SEA STATE VISIBILITY	WIND W	CLOUD(amt)	WEATHER STA. N.	SEZ 4
Deg MIN	DEG	<u>₹</u>	DAY	MO YR	HR MIN			(°C) (mb)	*		(kts) * *	* (m)	
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lo. DESIRED notes SALT	Nut.Btl O2Btl	CHL Fr	Fr CHL	chlor c	018	PhytoID	Urea Prod	Part/DON	15N	sot/chl	Maria		N <sub>O</sub>
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VESSEL

USCGC Polar Sea

CRUISE ID PS1001

PROJECT & LEG BEST/BSIERP-Ice 2010

Ship Designation (I.D. PS1001 or 1PS10

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			s;								,		notes	Rose			1	57	416	છ	Н		9
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7												notes	Rose		ļ <sup>1</sup>	N 4353	2498	57473	416	02/0	NIM	LATITUDE	<u> </u>
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												Part/DON	(Didier)							<u>~</u>	(mb)	PRESSURE	_
												15N	Julie	1		C	<b>)</b>				â	SEA STAT VISIBILITY □ ≤	
												sot/chl	Jared		-	0			25	1115	(deg) (kts)	WIND WIND SPD.	_
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USCGC Polar Sea 72 \_ <del>-</del> 8 Q œ Φ N 0296225 SBE 9+ DESIRED PRI COND SN SEC TEMP SN PRI TEMP SN PRESS SN SEC COND SN o O Depth 30 5 15 Deg 416 Rosette notes LATITUDE <u>S</u> 2361 4353 2498 S SALT W N 89 5 三 S Nut.Btl X a. 180 179 18 181 CRUISE ID PS1001 20 贸 Hydro Team-PMEL 4 SBE43-Oxy (prime) 5 0 1 02 Tmp Senson No. SBE43-Oxy (sec) PAR S/N Transmissometer cst436or FLUOR S/N 088234 003 02Btl LONGITUDE 욷 4C4 LC! 3 5 9 W F CH DAY Z > chlor ~ 7 7 M BEST/BSIERP-Ice 2010 PROJECT & LEG Lee and Jackie æ ⋨ ğ 0 2124 REMARKS 풄 TIME (GMT) 018 Altim X Z PhytoID Sherr DRY BULB ී Ship Designation (I.D. ) PS1001 or 1PS10 Urea دو Sambrotto (Didier) Prod 1049 WET BULB Part/DON K PRESSURE 90 SEA STATE 5 15N 9 U Julie VISIBILITY (H) DIRN. isot/chi Jared CLOUD(amt) Kts) Maria Ted STATION NO. TYPE WEATHER BOT TOM DEPTH MAX DEPTH = 3 Remarks NECZ STA. NAME/ID 3 Nis o 2 70 œ 6 4 ω

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Station notes:

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VESSEL USCGC Polar Sea Q. 8 10 œ ത 0406236.84N SBE 9+ DESIRED PRI COND SN PRI TEMP SN SEC COND SN 2863

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JSCGC Polar Sea

CRUISE ID PS1001

BEST/BSIERP-Ice 2010

Ship Designation (I.D. PS1001 or 1PS10

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VESSEL USCGC Polar Sea

CRUISE ID PS1001

PROJECT & LEG BEST/BSIERP-Ice 2010

Ship Designation (I.D. ) PS1001 or 1PS10

STATION NO. 3 1001 - 051

Julie 117

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Julie - 122

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PAR S/N 70112 160 Hydro Team-PMEL LONGITUDE 운 106 53 127 500 <u>-</u> درو 05 FOH 1 ARR 100146 chlor ee and Jackie 8 ¥d REMARKS Al tim TIME (GMT) 018 PhytoID Sherr DRY BULB 73,8 Urea Prod Sambrotto (Didier) WET BULB Part/DON Julie 15N SEA STATE رو 3 1,3 5 134 133 VISIBILITY 9 -Jared isot/chl Rts) D. CLOUD(amt
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JSCGC Polar Sea

CRUISE ID PS1001

PROJECT & LEG BEST/BSIERP-Ice 2010

Ship Designation (I.D. ) PS1001 or 1PS10

STATION NO. 1001 -055

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VESSEL USCGC Polar Sea 06260 SBE 9+ PRESS SN DE6 <u>o</u> LATITUDE 5 7 4 4 1 6 Q CRUISE ID PS1001 17331 SBE43-Oxy (prime)\_\_\_ DEG FLUOR S/N LONGITUDE 0 8 8 2 3 4 93 W C/ 5 0 1 DAY 8 BEST/BSIERP-Ice 2010 PROJECT & LEG ¥ 0 TIME (GMT) REMARKS DRY BULB 105 Ship Designation (I.D. ) PS1001 or 1PS10 WET BULB ලී (mb) PRESSURE SEA STATE VISIBILITY 006 DIRN. (deg) CLOUD(amt)
TYPE
WEATHER (kts) 7 STATION NO. PS/1001-058 воттом рертн MAX. DEPTH = Co 5 m 3 74 70MUS STA. NAME/ID

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	ne isole	Enel	make			THE REAL	007.50		ercons.	200	`									96	(mb) *	PRES:		.D.
						5	154	153		153	151	15N	Julie				ر ر	7		7	* (c	VISIB		
	ı											sot/chl	Jared			' /	30/					DIRN. SP		
												Maria	Ted			-	H	(	27	4	s) *	CLOU TYPE	D(amt)	ST
																			MA	13-52.5 13-52.5	* (m)	WEAT BOTTOM		ATION NO
		:											Remarks						MAX. DEPTH =	77				31001
																						STA. NAME/ID	70040	STATION NO. 1001-063
12	11	10	9	ω	7	<b>б</b>	<b>У</b>	4	ω	2		N <sub>O</sub>	Nis						3			./B	0	W

Julie 151

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					0	10	в С	30	40	50	5	DESIRED	DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	DRI TEMP SN	SBE 9+	68				JSCGC Polar Sea
												D notes	Roset.				<u>ج</u> ار	,   _	595	930	_		Sea
												SALT	200202	2863	2361	4353	2498		3.04	NZ.	LATITUDE		
		が見ば			424	433	264	107	och	419	418	Nut.Btl					٥		z				PS1001
			加强			213				16 E		02Btl	Hydro T	02 Tmp Senson No.	PAR S/N	Transmissometer	SBE43-Oxy (pillie)	FLUOR S/N	713	DEG	LON		PS1001
					LCI	ر د د	663	109	E	100	5.05 5.05 5.05	율	Hydro Team-PMEL	Ison No.			(Sec.)	ω	9.3	M N	LONGITUDE		i
												FF CHL	TO SHOW		12	cst436or	u c	ω	1 w 02	DAY			
		234			r Zens						200	chlor	Lee and				-	4 4	<u>₩</u>	Y MO			BES
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70.70	3745 L	art to co	E MODEL	Seed	- Investor	Nagar	Carrier .			Security -		018 P		Al tim 1				REMARKS	0632	HR MIN	TIME (GMT)		ce 2010
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				-		_						Urea Prod	Sambrotto								<del></del>	<u>.</u>	\$1001 or
												Part/DON	(Didier)					X	-	(°C)	WET BULB		PS1001 or 1PS10
		301										15N	Julie						96	~	PRESS SEA S	TATE	
		f cash										sot/chl	Jared			*	7		5	(deg)	VISIBI DIRN. DIRN.	LITY	
	差別	252	l dist	3023	ESI	(Maj	950				THUS	/chl Maria	d Ted			100		5/w	0	(kts)	WIND SPD.	م ثر	
						7						ត				7			\(\omega\)	*	CLOUI TYPE WEAT	D(amt) HER	121
													Remarks			ı	8	MAX. DE	7.5	(m)	BOTTOM DEPTH		1-51001
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																		3 ∂)			STA. NAME/ID	ω •	67
	11	10	9	ω	7	၈	5	4	ω	2	-	Ņ.	N S							L	<u> </u>		

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					0	ō	20	30	90	50	d	DESIRED	DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	69				VESSEL USCGC Polar Sea
			T						<u> </u>			notes	Roset.	NS C	NS	SS.	<u>₹</u>	_   <sub>5</sub>	_	59 1	DEG	_		Sea
					17						C3	SALT	112.00g	2863	2361	4353	2498	747	4 1 6	6.6	<u>X</u>	LATITUDE		
		A			43)	430	6eh	Ach.	427	<u>-</u>	17.77 m	Nut.Btl		L				3		9 Z				
						õ	9	90	7	426	Has"	8tl 028tl	Нус	D2 Tmp	PAR S/N	Transm	SBE43-	SBE43-	FLUOR S/N	7	DEG	_		CRUISE ID PS1001
									300			Bt) CHL	Hydro Team-PMEL	02 Tmp Senson No.	~	Transmissometer	SBE43-Oxy (sec)	SBE43-Oxy (prime)		25	<u></u>	LONGITUDE		
													-PMEL	ō.	70112	cst436or			0 8 8	5 P	Z	Œ		
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				2.7								chlor	Lee and Jackie							2 10 0 0 T	MO			PROJ BEST
												bw	Jackie	L	-					0	¥			PROJECT & LEG BEST/BSIERP-Ice
												018		Al tim 1					REMARKS	0949	HR MIN	TIME (GMT)		PROJECT & LEG BEST/BSIERP-Ice 2010
												PhytoID	Sherr	0 6						9			-	
										100000		Urea	Sambrotto	2						-	(°C)	DRY BULB	,1	Ship De PS1001
ng!				-								Prod Pa	tto (Didier)								(°င)	WET BULB		Ship Designation (I.D. ) PS1001 or 1PS10
	1			i								Part/DON	er)							95	(mb)	PRESS	URE	(I.D. ) 0
					1	160	159	150	1	157	15%	15N	Julie							<u> </u>	*	SEA S VISIBII		
i keta	District	25%	1842	1 京初		Q	7		106	H	G	sot/chl	Jared				Ç	202		304	(deg)	WIND DIRN.		
				20 to			BB		S. A.			hl Maria	Ted				_			11	(kts) *	SPD.		33
																	+	0/0			*	TYPE WEAT	D(amt) HER	STATE
													Rem						MAX. DEPTH =	77	(m)	BOTTOM DEPTH		STATION NO.
													Remarks										7	0-100
	:											1							8			STA. NAME/ID	ながるの	365
12	=	10	9	ω	7	െ	5	4	ω	2	-	No.	Nis.						3			D		

No. DESIRED notes SALT Nut.Btl  1	DESIRED notes SALT Nut.Btl  CS 433  40 434  30 437  0 C6 438	DESIRED notes SALT Nut.Btl  C5 433  40 434  30 435  30 435  0 C6 438	DESIRED notes SALT Nut.Btl  So	DESIRED notes SALT Nut.Btl  So	DESIRED notes SALT Nut.Btl  CS 433  40 434  30 435  30 435  10 C6 438	DESIRED notes SALT Nut.Btl    C5 433	DESIRED notes SALT Nut.Btl    C5 433	DESIRED notes SALT Nut.Btl    C5 433	DESIRED notes SALT Nut.Btl    CS 433	DESIRED notes SALT Nut.Btl  CS 433  SS 433	DESIRED notes SALT Nut.Btl	DESIRED notes SALT Nut.Btl		oset.	2863	2361	4353	SN 2498	PRESS SN 5 7 4 7 3 SBE	SBE 9+ 4 1 <b>6</b> FLUC	0705942.51 N171	DEG MIN DEG	LATITUDE	VESSEL CRUISE ID USCGC Polar Sea PS1001
	TO WASTE IN STREET TO SEE					LcI	621	LC3	1,04	LCS	156	980	O2Btl CHL Fr (	Hydro Team-PMEL	enson No		Transmissometer cst436or	SBE43-Oxy (sec)	SBE43-Oxy (prime) 5	FLUOR S/N 0 8 8 2	108.23 w	MIN	LONGITUDE	D I
定社会			D. S.	A CONTRACTOR									Fr CHL chlor bw	Lee and Jackie					0 1	ω 4	0 2 M A 7 7 1 0	DAY MO YR		PROJECT & LEG BEST/BSIERP-Ice 2010
	を見る								A STATE OF				O18 PhytoID	Sherr	Al tim 1 0 6 2					REMARKS	1228	HR MIN (	TIME (GMT) DRY	_EG lce 2010
													Urea Prod Part/DON	Sambrotto (Didier)	2						•	(°C) (°C)	DRY BULB WET BULB	Ship Designation (I.D. ) PS1001 or 1PS10
													15N	Julie							95	*	PRESSURE SEA STATE VISIBILITY  □ ≶	0.)
				No. of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of									sot/chi Maria	Jared Ted				, , , ,	19 199 C		26612	(kts) * * *	SPD. WIND CLOUD(amt TYPE WEATHER	STATIONNO
12	11	10	9	8	•	7	6	5	4	3	2	1	No.	Remarks						MAX. DEPTH = 66 m	2	П	BOTTOM 70 M 37	1001-066

Julio = 161

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12_	Ξ	10	9	8	7	ტ	5	4	ω	2	-	N <sub>O</sub>								0			USCGC F
					0	10	20	30	40	50	109	DESIRED	рертн	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	71			USCGC Polar Sea
		T										notes	Roset.	NS	<u>₹</u>		ı		4	5935	DE6	c c	Sea
					8					86 P	07	SALT	100	2863	2361	4353	2498	5 7 4 7	1 6	•	₹ Z	LATITUDE	
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					2	7	3	2		V	9	02Btl	Hydro	D2 Tmp Sei	PAR S/N	Transmissometer	SBE43-Oxy (sec)	SBE43-Oxy (prime)	FLUOR S/N	700	DEG	5	PS1001
					12	162	Chin	1,04	LCS	LCL		ᅄ	Hydro Team-PMEL	02 Tmp Senson No.				(prime)	ا0	7055.06w02427	<u>S</u>	LONGITUDE	
			di			~	3	4	5			Fr CHL			12	cst436or		5 0	8823	N O	Q		_
	Ma	Size			3 25	10101		100 m		155		chlor	Lee an					0 1	3 4	72 370 370	DAY MO		BES
					+	4						bw	Lee and Jackie	_				·	·	1 0	¥		BEST/BSIERP-Ice 2010
							117.00					018		Al tim 1					REMARKS	15/18	HR MIN	TIME (GMT)	-lce 2010
												PhytoiD	Sherr	0 6 2						~Q	(°C)	DRY BULB	
<u> </u>				_	+						Н	Urea Pro	Sambrotto							•			PS1001 or
					+						Н	d Part/DON	(Didier)			0)				•	(°C)	WET BULB	PS1001 or 1PS10
	型級				11 102/4		•	7	12.0	2	/	ON 15N	Julie							95	(mb) *	PRESSURE SEA STATE	
				110		65	164	163		162	6						92	3		320	* (deg)	VISIBILITY DIRN. DIRN.	
12.0-	072115	# 15 A 15 A	I PASSE	a Acc	o letres	10590	101501	19met	BRIGO	12/183	AVES	isot/chl M	Jared T			,	0			0	) (kts)	D WIND	
												Maria	ed			,	20				*	CLOUD(am TYPE WEATHER	t)
									:				Ren		٨	•			MAX. DEPTH =	75	(m)	BOTTOM DEPTH	SIAIION NO.
					:			-					Remarks									W	8
												L							66 m			FOM36 STA. NAME/ID	-067
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											LCL		447			50	2
									3.00				446	C9		tod	
	Maria	sot/chl	15N	Part/DON	Urea Prod	PhytoID	018	bw	chlor	Fr CHL	CHE	02Btl	Nut.Btl	SALT	notes	DESIRED notes	N <sub>O</sub>
Remarks	Ted	Jared	Julie	(Didier)	Sambrotto (	Sherr		ee and Jackie	Lee		Hydro Team-PMEL	Hydro T			Roset.	HIA30	
						0 6 2	Al tim 1				son No.	02 Tmp Senson No.		2863		SEC COND SN	Ш
								_		12		PAR S/N		2361		PRI COND SN	Ш
										cst436or		Transmissometer		4353		SEC TEMP SN	Ш
	,	,	,								sec)	SBE43-Oxy (sec)	Sa	2498		PRI TEMP SN	
	20	118							-		prime)	SBE43-Oxy (prime)		7473	5	PRESS SN	Ш
MAX. DEPTH = 66	<b> </b> 						REMARKS		4	<b>8</b> 2 3	0 8	FLUOR S/N		4 1 6	4	SBE 9+	
779	000	2841		. 97	•		7711	<b>分</b> つ	2 20 7	N B	4.9	7054	z	27.00	592	725	0
П	*		*	ন			HR MIN	O YR	DAY MO	D,	<u>s</u>		DEG	MZ	Н	DE <b>G</b>	
BOTTOM STA. NAME/ID	CLOUD TYPE WEATH	WIND WIND DIRN. SPD.	SEA ST VISIBILI	PRESSU	WE.	T) DRY BULB	TIME (GMT)				LONGITUDE	LONG		LATITUDE	<u> </u>		
700.00																	

JSCGC Polar Sea

CRUISE ID PS1001

001-068

Julia 16

12	=	10	9	∞	7 (	6	ъ 2)	4	3 4	2	<u>-</u>	No. DE	o	SEC	PRI C	RE	PRESS S	200	O Z			VESSEL USCGC P	
						10	20	30	40	Ö	bot	DESIRED notes	DEPTH Roset.	SEC COND SN	PRI COND SN	PRI TEMP SN	PRESS SN		7359	DEG		VESSEL USCGC Polar Sea	
			2019			C		Ś.	想要	0930	0	es SALT	et.	2863	2361	2498	5 7 4		20.	MIN	LATITUDE		
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					5	162	1	154	15	100		원	Hydro Team-PMEL	02 Tmp Senson No.	someter		SBE43-Oxy (prime)		38.9	NIN	LONGITUDE		
				開始		23		4	5	7		Fr CHL			70112		5 2	<b>0</b> ა	WH				}
		20 17						io.		No.		Chlor	Lee ar				0 4	2	2018	DAY MO		BE	
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4.4.11		Sec so		3-91K						200.00		018 P		Al tim 1			NE MANAGE	DEMADES	2056	HR MIN	TIME (GMT)	EG -lce 2010	
												PhytolD	Sherr	0 6 2		2				-	DRY BULB		
					<			<u> </u>	<		7	Urea Prod	Sambrotto			Dista			<u> </u>	-	įω	Ship Designation (I.D. PS1001 or 1PS10	
					7			7	7		7	Part/DON	(Didier)			W FR			1./	ন	WET BULB PRESSURE	ation (I.D. ) PS10	
		30a/				170	169	168		167	166	15N	Julie		102	-			186	b) * *	SEA STATE VISIBILITY		
2		354	SHIP	K-162	e # (hin	V	7	17		1	"	sot/chl	jared		+	NO-BON	500	١	254	(deg) (	WIND I		
								1345				Maria	Ted			7	0		(V2	(kts) * *	SP N Z Z CLOUD(am	<b>.</b>	odo
	2000		(reside)	-0-4 M				#3(b)	in the second							4		7 M		* (m)	WEATHER BOTTOM DEPTH	SIAIION NO.	d con mal
													Remarks			3		Y 7557L -	25	3)	K	8	3
			-						:									0			70 M 34 STA. NAME/ID	1-069	20
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No 03 = 003

Station notes:

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					0	10	06	30	HO	SO	9	DESIRED	HLd3G	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	7 4 S	DE 6		VESSEL USCGC Polar Sea
											60	notes	Roset.				1	ر د	4	9		<u> </u>	ea
			連接									SALT	N. C.	2863	2361	4353	2498	747	1 6	90	N N	ATITUDE	
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					6	S		w	n		003	d 028ti	Hydro	O2 Tmp Senson No.	PAR S/N	Transmissometer	SBE43-Oxy (sec)	SBE43-Oxy (prime)	FLUOR S/N	701	DEG	5	CRUISE ID PS1001
					rej	621	LC3	FCH	LCS	106	3	윋	Hydro Team-PMEL	enson No.			y (sec)	y (prime)	0	5.6	X Z	LONGITUDE	
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												Wd	ackie						22	1 0 2	∌	and	PROJECT & LEG BEST/BSIERP-Ice 2010
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												Urea P	Sambrotto	Ĭ	- 3		<u>۲</u>				(°C)	Ιω	Ship Designation (I.D. ) PS1001 or 1PS10
				ļ								Prod Pa	to (Didier)		lan	. 1	2(5)	•			(°C)	MET BULB	signation () or 1PS10
												Part/DON	er)		reach or	a	2			00	(mb)	PRESSURE	(i.b.)
					1	175	174	17-3	1	641	エニ	15N	Julie		_		paper 9	2	)		*	SEA STATI VISIBILITY	
1500	200	加速		543		8.57	inearth.	3	in sor	70	E.F.	sot/chi	Jared	'	auso F		- 1	/	20/	ع 5 2	(deg)	WIND DIRN.	
	18	Jaran	THE STATE OF				(1 to 1)	440			ATE S	Maria	Ted		in	`	200	, V	) 3	(13 OV	(kts) *	SP NO S	
				E S											ICR	`	2	V	200	V	*	TYPE WEATHER	
													Ren				har		MAX. D	74	(E)	ВОТТОМ DEPTH	STATION NO. $P_{SIOOI} - O > O$
													Remarks						MAX. DEPTH =			9.1	21-0
																	C	` `	60			STA. NAME/ID	040
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July 171

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					O	10	ા	S	OH	50	5	DESIRE	рертн	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	8554				JSCGC Polar Sea
				<u>                                     </u>								DESIRED notes	1 Roset.	ID SN	) SN	₩ SN	Š NS	<i>z</i> 	l		DEĠ	×		Sea
a=1/7	1574	IJ.					Sin.	ida.	<b>電視</b>	artine.			100	2863	2361	4353	2498	5 7 4	4 1 6	47.	X Z	LATITUDE		
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					LCI	LCZ	EG	1000	LCS	40%		升	Hydro Team-PMEL	son No.			sec)	prime)	0 8	æ. 05	ΧÏZ	LONGITUDE		
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				igdash	_	15	_				,	or bw	Lee and Jackie							3ARR 1	MO			BEST/BSIERP-Ice 2010
													Ŕie	Al tim				1	REMARKS	0045	YR HR	TIM		ERP-ice
15.40	J. Para				158	MK	2,34	Tes	0.84	17.5	MEXI	018 Phy		m 1 0					ARKS	15	MN	TIME (GMT)		2010
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	_		ļ. 	<u> </u>	7			<			7	Urea Pro	Sambrotto				·						ِّىۋ	S1001 o
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