Station:	Slope Base Junction Box	LJ01A	Cast #/Filename:	RizonamROV	
Date (Local):	7 Aug 2027		Cable Rate Out m/min:		
Start Time (Local/GMT):	0		End Time (Local/GMT):		
Start Lat/Long:			End Lat/Long:		
Surface Soak Time (mins @ m):			Max Cable Out (m):		_
Max Cast Depth (m)			Chlorophyll Max Depth (m)		_
Bottom Depth (m):			Sampling Start/End (Local):		_
					_

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1			301,362					PORTFORE
2			,			121 "	938	PORT AFT
3	c c		- 6			4		
4			7		9-2	4		200 (A)
5							· /	
6							7	
7				30	X			
8		4	J = 1					
9				-	1			
10		port force p	offe leaking	when vent o	pered			,
11	i i		V	¥				
12			20					-
13								
14							-	
15								
16								ş V
17								
18								
19				4				
20								
21				(9)				
22			-					
23								
24		*						

Station:	ORGON OFF shore Shallow	Peofiler - PEFRE	Cast #/Filename:	R-2204	
Date (Local):		-	Cable Rate Out m/min:		
Start Time (Local/GMT):			End Time (Local/GMT):		
Start Lat/Long:			End Lat/Long:	8	
Surface Soak Time (mins @ m):			Max Cable Out (m):		
Max Cast Depth (m)			Chlorophyll Max Depth (m)		
Bottom Depth (m):			Sampling Start/End (Local):	9	\$ <sub>30</sub>
			-		

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1		2899	36536400	152 0				port for collected
2		2899	8 - 1		1344 0	122 0	034	DORY 757 -0022 172:
3								
4								
5								
6				*				
7								
8						ы,		
9								
10								
11						9		
12		**	9				F	
13								
14								
15						4		V.
16								
17								
18								
19								
20								
21			is a second					
22			- 0		2			
23								
24						0		

Station: Axial Base Shallow Profiler - POST deploy Cast #/Filename: CTD-001 7100 m. 60 m/min Cable Rate Out m/min: < 100 pm 30 m/min Date (Local): 8-12-2022 End Time (Local/GMT): 20:27 12:34.26 Start Time (Local/GMT): 19:34:26 045-8265 129,7473 045.8265 End Lat/Long: Start Lat/Long: Max Cable Out (m): 226 Surface Soak Time (mins @m): -129.7473 Chlorophyll Max Depth (m) Max Cast Depth (m) 225m Sampling Start/End (Local):

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC		DIC Nutrients S		Salinity Chlorophyll		hyll	Notes	
1	220	220	377 384A	156	8	1343	ø	123	ø			
2	220	220										
3	700	200		160	@	1342	Ø			039	6	
4	200	200										
5	/80	180	366	1004	*	1341	ø					
6	180	180										
7	160	160		168	ð	1340	ò	151	ě.	030	•	4440444444
8	160	160		1	- Mariantana and Ch	al properties.						
9	740	140	and the state of t				Pistolomen was secu	TO THE STREET WHEN THE STREET PROPERTY OF THE STREET, WHEN THE STREET PROPERTY OF THE STREET, WHEN THE STREET,	en er Stadense av en er en er	garden 1995 Steining ann ann ann an Aireann an Aireann ann ann ann ann ann ann ann ann ann	and the second	Failed to trigger
10	140	140	391	3 167	,		ø					00
11	120	120		172	è	1338	b					- x - 117 x - x - x - x - x - x - x - x - x - x
12	120	120										
13	100	100	378A	151	0	1336	0	152	ø	006	6	
14	100	100										
15	80	80	399 •	155	ò	1334	Æ			24	4	
16	80	80								- 72		
17	60	60	383	159	30	1335	G	126	A	036	6	
18	60	60										
19	40	40	370 1	163	å	1332	0	11.0000		8	0	
20	40	40										
21	70	20	Table on the second sec	o destruire de la companie de la restruire pour en establicações innecessariações verintes en	The second second	And the second second points of the second s	Ø		u u ji ne Oddikiz Sezekiji u biji je i	(many Sent)	December Contractor	leaking !
22	20	20	376	121	ľ	1333	0			33	r	U V
23	10	10	382	150	ij	1329	#	127		032	0	
24	10	10										

**COMMENTS:** 

Bottom Depth (m): 2623

Station:	Axial Seamount Contral	(aldera - MJ03f Cast #/Filename:	ROV- 2212	
Date (Local):		Cable Rate Out m/min:		
Start Time (Local/GMT):		End Time (Local/GMT):		
Start Lat/Long:	·	End Lat/Long:		
Surface Soak Time (mins @ m):		Max Cable Out (m):		
Max Cast Depth (m)		Chlorophyll Max Depth (m)		
Bottom Depth (m):		Sampling Start/End (Local):		
- · · · · · · · · · · · · · · · · · · ·				

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1		1526				5AC-128 0		PORT AFT @ 2250
2								
3								
4								
5				1				
6								
7							1	
8			:					
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Station:	Axial Seamount Eastern Caldena -	MJv 3 E Cast #/Filename:	ROV-2215
Date (Local):		Cable Rate Out m/min:	
Start Time (Local/GMT):		End Time (Local/GMT):	
Start Lat/Long:		End Lat/Long:	
Surface Soak Time (mins @ m):		Max Cable Out (m):	
Max Cast Depth (m)		Chlorophyll Max Depth (m)	
Bottom Depth (m):		Sampling Start/End (Local):	
2 ` '		******	

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1		1514				SAL-129 0		port aft @ 2305
2								•
3								
4							·	
5								
6								
7								
8					AMBINITION OF			
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Station:	Ashos Hent Field -MJ03B	Cast #/Filename: ROV-2217	
Date (Local):		Cable Rate Out m/min:	
Start Time (Local/GMT):	<del></del>	End Time (Local/GMT):	
Start Lat/Long:		End Lat/Long:	
Surface Soak Time (mins @ m):		Max Cable Out (m):	
Max Cast Depth (m)		Chlorophyll Max Depth (m)	
Bottom Depth (m):		Sampling Start/End (Local):	
- ` · ·			

Niskin Bottle	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1		1536	W. C. Wilde			5AL-136 ,		Eollected 130 E
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Orean Sh	alf BE1	- POST-DEPLOY	Cast #/Filename:	ROV-R2218
A	ia 18	, , , , , , , , , , , , , , , , , , ,	Cable Rate Out m/min:	
			End Time (Local/GMT):	
			End Lat/Long:	
			Max Cable Out (m):	
env.			Chlorophyll Max Depth (m)	
			Sampling Start/End (Local):	1:45 - 2:01 PDT
	Au	Aug 18		Cable Rate Out m/min: End Time (Local/GMT): End Lat/Long: Max Cable Out (m): Chlorophyll Max Depth (m)

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes Fri an ralleaded @ 0040
1 PA	80m	80m	368 368			SA-0131 .	CHL-023 "	calleded as 0040
2 PF	80 M	80 m		DIC-170 *				
3								
4								
5								
6								
7								A STATE OF THE STA
8								
9								
10								
11								
12								
13								
14								
15								
16			- Annual					
17								
18								
19								
20								
21								
22								
23								
24								

Station:	ORENDO OHSHORE	BEP-POST-DEPLOY	Cast #/Filename:	ROU D2220	
Date (Local):			Cable Rate Out m/min:		
Start Time (Local/GMT):			End Time (Local/GMT):		
Start Lat/Long:			End Lat/Long:		
Surface Soak Time (mins @ m):			Max Cable Out (m):		
Max Cast Depth (m)		Cl	hlorophyll Max Depth (m)		
Bottom Depth (m):	600m	Sa	mpling Start/End (Local):	ALL	

Niskin Bottle #	Target Depth (m)	(m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1 PF	600	paderner.	369/365				CHL-036	
2 PA				DIC-169		SAL-0132		
3				•				
4								
5								
6								
7								
8								
9								
10				• •				
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

7	K V Thompson KCA-O	Of Cluise 111-407 - CID	Cast Log
tion: South	on Hydrate Ridge	Cast #/Filename:	CTD-002
n		Cable Rate Out m/min:	<100 m 20m/MM: 7100 60m/mm
MT): 23:33/0	06:33	End Time (Local/GMT):	01:05 / 0805
		End Lat/Long:	44.5696 1-125.1466
@m): 5 mir	@ 10m	Max Cable Out (m):	770
		Chlorophyll Max Depth (m)	
(m): 775		Sampling Start/End (Local):	01:10 start / 01:33 finish
	ocal): Aug MT): 23:33/0 Long: 44.569 @m): 5 min h (m) 770	ntion: Southern Hydrate Ridge ocal): Aug 20 MT): 23:33/06:33 Long: 44.5696/-125.1466 @m): 5 min @ 10 m h (m) 770	Cable Rate Out m/min:  MT): 23:53/06:33  Long: 44.5696/-125.1466  @m): 5 min @ 10 m  Chlorophyll Max Depth (m)  Chlorophyll Max Depth (m)

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll		
1	710		361/361A			134 .	023	okayed	
2	770								
3	700		362 -						
4	700								
5	600								
6	600								
7	500		363						
8	500								
9	400		365 .						
10 practic									
11	400								
12	250		366A -						
13	260		367 2						
14	200								
15	150		368 .						
16	156								
17	100		369 .					scanned late, time is actually	01:24
18	100			·					
19	50		370 .						
20	50								
21	20		371 .					leaking = not collected	
22	20							collecting from 22 instead	
23	10		372						
24	10				-				

COMMENTS: Imin sit, 15 sec between duplicates

Station:	Southern Hydrate Ridge AN 5013	Cast #/Filename:	ROV-2224
Date (Local):		Cable Rate Out m/min:	
Start Time (Local/GMT):		End Time (Local/GMT):	
Start Lat/Long:		End Lat/Long:	
Surface Soak Time (mins @ m):		Max Cable Out (m):	
Max Cast Depth (m)		Chlorophyll Max Depth (m)	
Bottom Depth (m):		Sampling Start/End (Local):	
* * * *	And the second s	<del></del>	

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1		773 m				SAL- 133		collected @ 2023
2						-		by ROPOS
3								0
4								
5				, kaliikaan				
6								
7								
8					- Viality Water			
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

# R/V Thompson RCA-OOI Cruise TN-407 - CTD Cast Log 500 n Lown current

Station: Slope Base Shollow Profiler Cast #/Filename: CTD-003 Cable Rate Out m/min: <100 m 30 m/min >100m 60m/min Date (Local): End Time (Local/GMT): 13:35 20:35 Start Time (Local/GMT): 10.52 1752 44 5148 End Lat/Long: - 125.3957 -125.3962 Start Lat/Long: 044.5151 Max Cable Out (m): 2900m Surface Soak Time (mins @m): 5 min @ 10m Chlorophyll Max Depth (m) Max Cast Depth (m) 2895

Bottom Depth (m): 2908 Sampling Start/End (Local): 1340 stort 1440 finish

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	
1 /	2900		373A	9		0135 •	036 .	X HPIES 10gal
2	2900			·				V
3 🗸	2750		374					
4 🗸	2750		,					
5	2750							
6 /	2500							
7 🗸	2000		375 •			0136 .	010 •	
8 /	2000							
9 /	1520							* Mitch &L
10	1520							
11 🗸	1000		376	>			038 *	
12 /	1000			-		0.135		
13 🗸	500		377 :	>		0137	'	
14	500			1.55	1221			
15 🗸	250		3784 -	158	0 1331 0		006	
16	250		2	1	1220	0174		
17.	100		379	• 166	» 1330 ·	0138		
18	100			154	1337 .			
19 /	50			127	1 1337 0			
20	50		7 0.00					Was leaky
21 /	30 30		340	165	1321	3	031	was leavy
22 /			381	v 157	0 1322 e	0144 0		
24	10		201	9 , 7 /				didn't trigger

COMMENTS: 2 min sit at depth, 15 sec between samples at some depth

377m E of EG SP mooring

Cast #/Filename: CTD-004 Station: O Region Affshore Deep Profiler - PRE-RECOVERY Cable Rate Out m/min: ≤ 100m ≥ 100m 60m/min Date (Local): 23 30m/min End Time (Local/GMT): 115127 04:51.27 03:36:24 Start Time (Local/GMT): 10,36,24 End Lat/Long: 124,951 Start Lat/Long: 044.3739 124.9518 Max Cable Out (m): 565 5min @ 5m Surface Soak Time (mins @ m): Chlorophyll Max Depth (m) Max Cast Depth (m) 565m Sampling Start/End (Local): 507 -569 5:55 Bottom Depth (m):

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1 /	565		361 0			0143	008 .	
2 ✓	565							
3 🗸	550		362 •					
4 /	550							
5 V	500							
6 √	500							
7 \[ \sqrt_s \]	400		363 .		,	0139 0	011 .	
8 V	400							
9 1	300							
10	300		3/./	1610	1373		077	-
11 /	250		364	, 14a ·	1323		037 •	
12 🗸	250		215	1 / 8 \	0 1327 0	0140 .		
13 🗸	200		365	1010	0 1361	0140 .		
14 J	200		366	105	0 1328 0		028	-
15 $\checkmark$	120		366 1	103	1528 *		028	
16 V	100		367 .	109	0 1324	01410		
18 $\sqrt{}$	100		001		*			
19	50				1313 •			
20 🗸	50							
21	20		368	113	0 1325 .		024	
22	70			1 2				
23 🗸	10		369/3700	117	• 1326 •	01420	020 0	
24	10							

R/V Thompson RCA-OOI uise TN-407 - CTD Cast Log 500m down current from

			ŭ	Dion
Station:	Oregon Offshore Deep Profiler-POST DEF	Cast #/Filename:	CT0-005	DP Mooring
Date (Local):		Cable Rate Out m/min:	<100m 30m/min	> 100m 60m/m
Start Time (Local/GMT):		End Time (Local/GMT):		459
Start Lat/Long:	44°21.905573 / 124° 56.896	907 End Lat/Long:	44.3646 1.	-124.9482
Surface Soak Time (mins @ m):	5 mm @ 5 m	Max Cable Out (m):	578m	
Max Cast Depth (m)	578 m	Chlorophyll Max Depth (m)		
Bottom Depth (m):	583 m	Sampling Start/End (Local):	0916 /090	7
<del>-</del>				

Niskin Bo	ottle	Target Depth (m)	Actual Depth (m)	Oxygen		DIC	Nutrients	Salinity	Chlorophyll	Notes
1	/	578		36/2720	0			0251/0	006/0	
2	/	578					***************************************			
3	V	550	,	362/	8					
4	V	550								
5	V	500			_					
6	ν 	3 W								
7	V	400		363	0			2561 0	029.	
8	$\overline{}$	460								
9		300		3641						
10	<u> </u>	300							< /	
11		250		3651	ð	1211/ "	1315/		009/0	
12	<u> </u>	250					,	,		
13	$\sqrt{}$	200 .		3661	0	122/1	13,4/	027/		
14	/_	200		·	_					
15		120		267 /	<b>a</b>	(23/	13/7/		030 ( .	
16		150				,	, .			
17		100		368/		105/0	1318/	028/1		
18	<u> </u>	4					/			
19				369/		103/0	1-319/			
20	<u> </u>	50							/	
21	$\frac{\checkmark}{}$			370/	•	118/ -	1305 /		• V62 €	
22	V	20			_					
23	$\sqrt{}$	10		3711	6 1	114 / -	1330/1	529	02810	
24	$\vee$	10				**************************************				

**COMMENTS:** 

Hold at depth for Zmin 15 sec between Wiskins then I min at depth 15 sec between Wiskins

R/V Thompson RCA-OOl : uise TN-407 - CTD Cast Log Down Curred

Station:	Slupe Base Deep Profiler - POST		CTD-006 500m SE PD01A
Date (Local):	Aug 27	Cable Rate Out m/min:	<100m 30m/min > 100m 60m/min
Start Time (Local/GMT):		End Time (Local/GMT):	0255 / 0955
Start Lat/Long:	44° 31,456'N / 125° 22.5	⊋9' W End Lat/Long:	44° 31.452' N/ -125° 22.518
Surface Soak Time (mins @ m):	5min @ 10 m	Max Cable Out (m):	
Max Cast Depth (m)	2895	Chlorophyll Max Depth (m)	
Bottom Depth (m):	2901 m	Sampling Start/End (Local):	0305 -0342

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen		DIC		Nutrients	3	Salinity	Chlore	phyll	Notes
1 6	2815	AMETER AND	373A	0				$\neg \dagger$	030 .	034	1 0	
2 /	2895		0.07.3		:				- 12			
3	2250		374/276	7 0								
4	2750		1									
5 V	2500											
<b>6</b> √	5 200											
7 🗸	5000		375	6					031 .	038	) 8	
8 🗸	2000				A. WILLIAM .							
9 🗸	1500											accidentaly five while mov
<u> 10                                   </u>	1500											
11 🗸	1000		377	8	····					012	) 0	
12 🗸	1000											
13 V	500		318	9	T. W.				032 .			
<u>14 √</u>	500		25							12	`	
15 🗸	250		379	8	110	•	1306	0		037	<u> </u>	
16 /	2 50		202		1110		2		-27			
<u>17 √</u>	100		380	•	119	۵	1307	0	033 *			
$\frac{18}{10}$	100						12-08					
<u>19 √</u>	50				115	4	1308	0				
20 $\checkmark$	50		381		111	9	1297			010		
$\frac{21}{22}\sqrt{\frac{1}{2}}$	30		301	6	111	288	1611			1 010	· · · · · · · · · · · · · · · · · · ·	
$\frac{22}{23}$			382	а	107	9	1298	0	034	003		
23	10		1 202	*	101		I VID	₩	<i>U-</i> 2 \	1 000	97	
COMMENTS		500k @ 0	Ladh 111	L	asant		Imin @	7) ~	epth 15	ece be	Juean	adnit fire a some dept

	R/V Thompson RCA-OOl	uise TN-407 - CTD	Cast Log 500 m down current
Station:	Axial Base Deep PROFILER- POST DEPLOY	Cast #/Filename:	
Date (Local):		Cable Rate Out m/min:	2100m 30 Knin , 7100 60 m/m
Start Time (Local/GMT):	1727 vtc 10:27 10cg/	End Time (Local/GMT):	1230
Start Lat/Long:	45° 50,000 N 129. 45.524W	End Lat/Long:	
urface Soak Time (mins @ m):	2 min 0 10 m	Max Cable Out (m):	
Max Cast Depth (m)	~ 000	Chlorophyll Max Depth (m)	
Bottom Depth (m):	$\frac{2}{6}$	ampling Start/End (Local):	1245/1310

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen		DIC	Nutrients	Salinity	Chlorophyll	Notes
1 /	2600		241/	0			0361 .	037/*	* Rost of worker (2600)
2 /	26 00								* GOV HPIES
3 /	7600						**********		x u
4 v	2400		2421	<i>©</i>		- Manual			
5 V	2250								
6 V	2250								
7 ~	2000		2431	Ø			0401.	ou.	
8 V	2000								
9	1520								* Mitch for RASPAS
10 ⋅ √	1520			,					* Mitch for RASAPS
11 🗸	1000		244,245	) B			A	014 10	
12 🗸	1000	<b>_</b>	1.7.1/						
13 🗸	500		246V	ð-			041/0		
14 1	500		,					,, ,,	
15 🗸	250		2471	ð	124/	1316/	- in-	824 /0	
16 🗸	250		11011				210 6		
17 $\sqrt{}$	100		2481	8	120/0	1309/1	04210		
18 $\sqrt{}$	100				11/2 / 2	1310/			
19 \sqrt{20 }	<u>50</u> 50				116/1	15101			
$\frac{20}{21}$	30		249 /	- A	104√. •	1311 / 18		036/0	
$\frac{21}{22}$ $\checkmark$	30		27,	~	1017	19111		0 2 %	
$\frac{22}{23}$ $\checkmark$	10		250/	8	10810	1312/	035/ •	020/1	
24 $\sqrt{}$	10		2 0 4	Ψ.	I S V			(7)00.0	

Station:	Axial Base Sexfloo	or Junction Box 4Jo3.	Cast #/Filename:	ROV- R2238	
Date (Local):			Cable Rate Out m/min:		
Start Time (Local/GMT):	, , , , , , , , , , , , , , , , , , , ,		End Time (Local/GMT):	Name of the last o	
Start Lat/Long:	45° 49.0075 N	1129°45,2475'u	End Lat/Long:	-Control (control (control control con	
Surface Soak Time (mins @ m):		_	Max Cable Out (m):	A STATE OF THE STA	
Max Cast Depth (m)		Chle	orophyll Max Depth (m)	And the state of t	
Bottom Depth (m):	2600	Sam	pling Start/End (Local):	- COMPANY OF THE CONTRACTOR OF	

Niskin Bottle #	Target Depth (m)	rocal fine Actual Depth (m) Ropo's collected	<b>Oxygen</b> 242 ,241 • ●	DIC	Nutrients	Salinity	Chlorophyll	Notes
1PF	2604	06/3:30	242,24100					
2 PA	2604	0614:00	,			0039 .	26	
3						-		
4								1 2 1
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Chaduck CTD

Axial Central Calo	Sera Cast #/Filename:	ROV-R2242
Aug 30	Cable Rate Out m/min:	With the same of t
	End Time (Local/GMT):	
45.9549/-130.0087	End Lat/Long:	
	Max Cable Out (m):	
	Chlorophyll Max Depth (m)	
1527	Sampling Start/End (Local):	1406-1410
	Aug 30 45-9549/-130.0087	Cable Rate Out m/min: End Time (Local/GMT):  45.9549 / -130.0087 End Lat/Long: Max Cable Out (m): Chlorophyll Max Depth (m)

Niskin Bottle #	Target Depth (m)	(m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1PF	1525		243/2448		**	,	/	collected by ROPOS  (a) 12:39
2PA	1525					SAL-038 .V	CHL-0390	@ 12:39
3								
4								
5								
6								
7								
8							-	
9								
10								
11								
12					Marcon Co.			
13								
14								
15								
16								
17								
18								
19				······································				
20								
21								
22								
23								
24					-			

# R/V Thompson RCA-OOI Cruise TN-407 - CTD Cast Log NEG SP mooring

Station:	Oregon Offshore SP	Cast #/Filename:	CTD-	008		
Date (Local):	J Sept 3 2022	Cable Rate Out m/min:	<100m	30 m/min	>100m	60m/m1
Start Time (Local/GMT):	2022 local / 0322 GMT	End Time (Local/GMT):	2108 (00)	/ 0408	SGMT	
Start Lat/Long:	44° 22.6439N/124° 57.11881	End Lat/Long:	44022.632	12457.1	44 W	
urface Soak Time (mins @ m):	3 min @ 3.3m	Max Cable Out (m):				
Max Cast Depth (m)	225 m	Chlorophyll Max Depth (m)				
Bottom Depth (m):	571m	Sampling Start/End (Local):	2115	- 22	60	

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen		DIC		Nutrients		Salinity	Chlorop	hyll	Notes
1	220/		361/369A.	,	153	٠	1304	4	037			
2	220/								-			
3 -	200.				161	•	1303	,		.003	8	
4	2001							_				
5	180 /		362	0	162	ø	1302	9				
6	1801											
7	160 V			_	106	4	1301	•	044 .	038		
8	1601											
9 -	140 V			_	112	4	1300	9			•	
10	140/		363	0				_			•	
11	120 V				130	*	1299	æ				
12	120 V			_			1001		7,17	1		
13	100.		365	0	125	0	1296	-	043 •	020	•	
14	100/		21/	$\dashv$	100		1205			1 5 D/		
15.	80 V		366A	¥8	129	a	1295	-		006	9	
16	80 /		217		122		1294	_	045 .	,030		
17	60 /		367	0	133	*	1611	$\dashv$	045	1,000		
	601		368		137	ø	1293	_,	W-m-1	010	•	
20	40 /		000		101	"	1017			1 010	•	
21	20/		369	_	141	-,	. 1292	,		026		
22	30 1			$\dashv$	1 1 1		1- 1-					
23	101		370	40	145	0	1291	,p	046 .	037	8	
24	10/											

COMMENTS: @ Depth, soak Zmin + Imin when according 15 sec between

uise TN-407 - CTD Cast Log

R/V Thompson RCA-OOI

Cast #/Filename: 170-609

Station: Slope Base Shallow Profiler - POST-DEPLOY Cable Rate Out m/min: 4100 m Date (Local): 30m/mm 2100m 60m End Time (Local/GMT): **Start Time (Local/GMT):** 22:46 16:32 23:32

End Lat/Long: 125-22-997 Start Lat/Long: 446 440 31.879 31.894 125° 23.005

Max Cable Out (m): 239m Surface Soak Time (mins @ m):

Chlorophyll Max Depth (m) Max Cast Depth (m) 220 m

7:02 Sampling Start/End (Local): 7:30 Bottom Depth (m): 290,5

Niskin Bottle	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1 ~	220		*361	128 0	1288 .	54570		delit get entired in ipa
2 ~	220		362					
3 🗸	200		*365	132 .	1287 .		026	not reeded
4 🗸	200		K-364A					not needed
5 <	180		365 .	136 .	1286 .			
6 🗸	180		*366A			J.100000		not reeded
7 <	160			140 0	1285 6	5458 .	030	at an analysis and an analysis
8 🗸	160							
9, ✓	140		367 •	144 .	1284 6			
10 🗸	140			1012	10.00			
11 $\sqrt{}$	120			120.	1283 .			
12 🗸	120			1,166	10 5-2	and the same of th		
13	100		368/369	148 .	1282 1	5459 .	006	
14 /	100			10-7	10.0-7		010	
15, √	80		570 •	127 0	128/ 0		010	
<u>16 √</u>	80		371 0	/35 0	1290 .	5460.	03-1	
17 \sqrt{18 }	60		3/1	/30 *	1210	<u> </u>	037 °	
19 $\sqrt{}$	(00 40	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	372 0	147 0	1289 *		003 *	
20	40			1 6 7 6	120/			
$\frac{20}{21}\sqrt{}$	20		373A ·	131	1786 8		011 .	
$\frac{21}{22}\sqrt{}$	20				100			
23 /	10		374 0	134 .	1787 .	5461 .	0361	
24 🗸	10			, - ,			2.	
COMMENT		<u> </u>	<u></u>		<del> </del>	· , ,	1	who we will also with the second seco