500 m Down Current of SP

Station: OFF SHORE SP- Pre Recovery CTD-001 Cast #/Filename: Date (Local): Cable Rate Out m/min: 30 m/min <100m; 60 m/min to targe 06:44:17 Start Time (Local/GMT): 23,44 67:20 End Time (Local/GMT): Start Lat/Long: 044.3716 124.961 44.3739 End Lat/Long: 15 min Max Cable Out (m): 25 0 Soak Time (mins @ m): @ 10 m Max Cast Depth (m) Chlorophyll Max Depth (m) Sampling Start/End (Local): 01:00 Bottom Depth (m): 0230

Niskin Bottle#	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1	220	220	10x4-361	" DIC-152	- NUT- 4127			
2	220	220						
3	200	199	·0xy-362	*01C-172	-NUT-4126			
4	200	200						
5	180	180	- OKY - 363	-1016-171	-NUT-4125	·SA-217	* CH L-010	
6	. 180	180						
7	160	760	-Oxy-364 A	-DIC-161	-NUT-4124		· CHC-037	
8	160	160						
9	140	140	·OXY-365	-01C-156	- Nu T-4123	·54-218	-CHC-026	
10	140	140				·		
11	120	1-00	-0xy-36A	-01C-151	· NU T- 4122			
12	120	120	,	-				
13	100	100	-Oxy-367	· DIC-157	WUT-4121	a SA-219	·CHC-003	
14	100	001						
15	80	80	~0xy-368	- DIC-153	- NUT_4170		· CHC-013	
16	80	80			`			
17	60	.60.4	-0-7-369	-01C-101	- NUT-4119			
18	60	60.1						
19	40	40.7	· 0xy-370	-DIC-165	-NUT-4118	-SA-220	-CHF-011	
20	40	40.1						
21	20 20	20.2	** OXY -37/5/2	· DK-122	- NUT-4117		. (HC-00d	
22	20	20.3	*					
23	10	10,2	· 0xy - 373A	= 01C-160	·NUT-4/16	·SA-221	-CHC-039	
24	10	10.1	3					

COMMENTS:

30 sec soak @ depth 15 sec bestwan deplicate depth Stopped @ 9.1m

down current 500m NW

TN-422_CTD_002

Station: SLOPE BASE SP Date (Local): 2023 Aug 16. 22:4 Start Time (Local/GMT): /5/47 Start Lat/Long: 044. 5328 -125.3916 Soak Time (mins @ m): 10m @ 10m Max Cast Depth (m) ~ 2900 m Bottom Depth (m): ~ 2900 ~

Cast #/Filename: 60m/min to w/m of botton Cable Rate Out m/min: 30m/min <100m End Time (Local/GMT): 18:25 125,3914 644. 5324 End Lat/Long:

Max Cable Out (m):

Chlorophyll Max Depth (m)

Sampling Start/End (Local): | 7 7 7 7

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1	Bottom	2893		www.ore.co				HPIES
2	2.6	2893						' / DO
3	16	2893						" > NOT
4	1500	1 4 9 9						RIKG (SAMPLE
5	1500	14 99						/)
6	1500	14 99						, ,
7	220	220	· 0xy-361	· DIC-149	- 4115	・ 227		
8	200	200	· OXY - 362	+ DJC-166	- 4111			
9	200	200	,					
10	180	180	· Oxy - 363	· DIC-189	- 4110		. 038	
11	160	160	· 0×1-364A	· DICIGG	. 4109	· 278	- 032	
12	160	160						
13	140	140	·0xy-365	- PIC 154			024	
14	120	120	· on - 366	· DIC 158	- 4114		•	
15	100	100	-Ox1-367	· DIL 170	. 4107	. 227	- 020	
16	100	100						
17	80	80	· 0x1-368	· DIC 163	. 4113			
18	60	59	oxy-369/370	· DTC 150	. 4106		.012	Puplicate
19	60	59			*			!
20	40	140	* UXY-371	· DIC 164	. 4105	• 226	025	
21	40	39		,				
22	20	20	* 0×7-372	· DICIGI	-4104		-007	
23	20	20			_			
24	10	10	- 0x1-373A	· DICIGA	- 4112	- 234	-003	

COMMENTS:

2 min @ depth 30 see between sampling @ same depth

Station:	Shope Base JBOX LJOIA	Cast #/Filename:	J2-	1523	
Date (Local):	Aug 17. 2023	Cable Rate Out m/min:			
Start Time (Local/GMT):	23:11 06:11	End Time (Local/GMT):	0740	1440	Aug 18
Start Lat/Long:	44.515229 -125.389891	End Lat/Long:			<u> </u>
Soak Time (mins @ m):		Max Cable Out (m):			
Max Cast Depth (m)		Chlorophyll Max Depth (m)			
Bottom Depth (m):	2906	Sampling Start/End (Local):	945-1	000	

Niskin	Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	un	
For	1 Nukir		2901	0.374/373					collected	0440
	2 Nhsha		2901				-SA-0225	· CHL038	/)	0441
	3	the Control of the Co								
	4				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	5									
	6					-				
	7									
	8									organization and the second se
	9									
	10									
	11									
	12									4.141.400
	13									
	14					*** *********************************				
	15									
	16									
	17									
	18							r ₂		
	19								2	
	20								owww.maddo.co	
	21									
	22									
	23									
	24									

Station:	Dregon Shelf	BEP - Recovery	Cast #/Filename:	J2-1528		
Date (Local):	Aug 22,	2023	Cable Rate Out m/min:	MA		
Start Time (Local/GMT):	64:45:14	11:45:14	End Time (Local/GMT):	8:33	15:33	
Start Lat/Long:	44.38.232	124 18.343	End Lat/Long:	440 38,239	124	18-23
Soak Time (mins @ m):			Max Cable Out (m):			
Max Cast Depth (m)			Chlorophyll Max Depth (m)			
Bottom Depth (m):	80 m		Sampling Start/End (Local):	C(00 - 0920		

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	by JASON 0016cted 14:32 HTC " 14:34 UTC
A f+ 1	80	80	36 /364	· · 1050/1100				collected 14:32 KTC
Aft 1 For 2	80	80				-224	0 Ø Ø 3	" 14:34 UTC
3								
4								
5								
6								
7	18.400.00.00.00.00							
8								
9								
10								
11								
12								
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14								V = 11
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16								
17								l. /
18								\$
19								
20								
21								
22		annual and a state of the Art HE APP of						
23								
24								

500 m downcarrent NE Cast #/Filename: <7 > -00 >

Date (Local): Start Time (Local/GMT): 04 128

-129.7469 Start Lat/Long: 645.8343

Soak Time (mins @ m): 10 m m o lom

Max Cast Depth (m)

Station:

Bottom Depth (m): >6/5 m

Cable Rate Out m/min: Roy makes 4100m: 60m/ml

End Time (Local/GMT): 05:2

End Lat/Long: 64/5. 8 342 -129,7469

Max Cable Out (m):

Chlorophyll Max Depth (m)

Sampling Start/End (Local): 05:35 06:48

Niskin Bott	le # Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1	220	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	" OXY-361	· DIC-116#	· NUT-4071			redoing DIC in Miskin 2
2	220	V '	10xy-363					
√ 3	200	×	1' Oxy - 362	DIC-128	· NUT-4079		.,	redoing DIC in niskin4
/ 4	200		,	DIC-12-1				
J 5	180	3	·0xy-364A	· DIC-122	·NUT-4087	.5A-0223	KHL-003	
6	180		*					
J 7	. 765		"Ox-y - 365	DIC-103	· NUT-4095		*CHL-009	
J 8	160							,
√ <u>9</u>	140	A	· 0xy-3669	·DIC-117	"NUT-4094	*54-0229	*CHZ-020	
10	140							
11	120	^	· 0×4-367	*DIC-114	· NUT-4093			
12	120		2					
13	100		· exy-368	· DIC-115	· Nut-4092	-5A-0230	*CHL-025	
/ 14	150							
√ <u>15</u>	68	<u> </u>	· 0x4 -36a	· VIL-104	1 NVT-4091		*CHL-038	
16	80							
√ <u>17</u>	60	V	·0xy-370	· DIC-119	· Not - 4090			
√ <u>18</u>	60							
√ <u>19</u>	A 40	_2	" " OXY - 37) day	192 DIC-105	*NUT-4089	-5A-0231.	-CHL-024	
√ 20	40	/						A Life Company
√ 21	2-0	1	· Oxy-373a	· VIC-107	*NUT-4088		·CHL-037	
√ 22	2.0		<u>'</u> .					
$\sqrt{23}$	10	\checkmark	· 0x7-574	. DC-106	· NUT-4036	15A-0232	1CHL-026	-
/ 24	10		-					

COMMENTS: Accidentally logged 373a under Niskin 19 La Northeasts not foren until 14:20 6xy-363 done to check it oxy-361 was messed up A Probably Birkled with 1.4 ml NaOH-Nat due to accidental pump adjustment

Station:	Southern Hudgate Ridge M	Cast #/Filename: J2 - 1538
Date (Local):	Ava 28 2023	Cable Rate Out m/min:
Start Time (Local/GMT):	े त ्र	End Time (Local/GMT):
Start Lat/Long:	•	End Lat/Long:
Soak Time (mins @ m):		Max Cable Out (m):
Max Cast Depth (m)		Chlorophyll Max Depth (m)
Bottom Depth (m):	770 m	Sampling Start/End (Local): (3:26 /

Niskin Bottle #		Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes Jason niskihs
Aft 1	770	770				* SA J35		
For 2	770	720						
3		-7						***************************************
4								
5								
6								
7								
8		The Asia of Adaptive Control of the						
9								
10								
11								
12								
13								
14								
15								
16								
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19								
20								
21								
22								
23								
24								

Station:	OFFSHORE BEP -	Cast #/Filename:	J2-1541
Date (Local):	Aug 28,2023	Cable Rate Out m/min:	NA
Start Time (Local/GMT):	3	End Time (Local/GMT):	
Start Lat/Long:		End Lat/Long:	
Soak Time (mins @ m):		Max Cable Out (m):	
Max Cast Depth (m)		Chlorophyll Max Depth (m)	
Bottom Depth (m):		Sampling Start/End (Local):	17:10-/17:30

Niskin Bottle #	Target Depth (m) Actua		Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
ACT 1			.,375/380	· 102		,		
2					. 4/03	· Ø236		
3					-			
4								
5								,
6								
7								
8								
9								
10								
11								
12								
13					·			
14								
15								
16		•						je .
17								
18		·						
19								
20								
21					-			
22			,					
23								
24					:			

COMMENTS:

Accidentally took untrientr instead of chlorophyll

R/V Thompson RCA-OOI Cruise TN-422 - CTD Cast Log
500 m south, currents one east towards shallow

TT - 224

Profile-

528
•
: <u>58</u>

Niskin Bottle #	Target Depth (m) Actual De	pth (m) Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1	2600	OXY-361 ·			5A-0239 1	CHL-039 .	A STATE OF THE STA
2	2600						,
3	2400	OXY-362 .					
4	2460						•
5	2250						
6	9328	-					
7	2000	0×4-370 1			5A-0233"	CH6-009 0	
8	2000						
9 .	1520						3 Mitch for RAY/PR
10	1520						A Mith for RAS MPPS
11	1000	0x363,0x13644.				CHL-038 *	
12	/005						
13	500	OXY-365 .			5A-02370		
14	500						
15	256 .	0x+366A ·	OIC-10B	· NJT-4016 ·		CHL-003 "	
16	250:						
17	100	0xY-367 ·	MC-113	- NUT-4097 .	5A-0238 .		
18	100	e e				:	
19	50		MC-121	· NVI-4198 0			
20	50						
21	30	0X Y-3KB +	DIC-118	· NUT-4099 .		CHL-010 .	
22	30						
23	10	0xY-369 ·	1711-145	· NUT-4100 .	44-0240 .	CHL-BEH.	
24	10 \$						*worder for Celia

Station: Axia (A:	SUS Cast #/Filename:	J2-1547
Date (Local): Sept 5	Cable Rate Out m/min:	NA
Start Time (Local/GMT): /6:45	End Time (Local/GMT):	16:32
Start Lat/Long: 65.933	39 N -130,0129 W End Lat/Long:	
Soak Time (mins @ m):	Max Cable Out (m):	- Application (Control Control
Max Cast Depth (m)	Chlorophyll Max Depth (m)	
Bottom Depth (m): 1540 m	Sampling Start/End (Local):	18:18

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes Jasan Wiskin
AFT 1	1540					2		For student priject
FOR 2				***************************************		. 457		
3								1
4	*							
5								
6								
7			''		·		DATA MILLONIA	
8								
9					:	- IIIII III III III III III III III III		
10								
11					**************************************			
12								-
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

TN-422-CTD-05

R/V Thompson RCA-OOI Cruise TN-422 - CTD Cast Log

500 m NW of Deep Profiler

Cast #/Filename: Cable Rate Out m/min: 3/ Date (Local): 11:29:05 End Time (Local/GMT): 12:39 04-129.05 Start Time (Local/GMT): 124 57.460 22.368 N 124 57.46 End Lat/Long: 44 22.308 Start Lat/Long: 44 ° Soak Time (mins @ m): 7min @ Max Cable Out (m): Chlorophyll Max Depth (m) Max Cast Depth (m) 570 > Bottom Depth (m): 577 Sampling Start/End (Local): 5; 12 10

			10	12	12	- F.	Jo.	
Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1	570	570	V	• 111	-4102			
2	570	570						
3	550	550	°0×361	. 123	. 4101	05A-458	· CHL-003	
4	550	550						
5	500	500	· 0×362	• 135	*4085			
6	500	500						
7	450	450	OX 363	- 141	-4084	·5A-459	°CHL-037	
8	450	450						
9	400	400	· 0x 364A	0144	+ 4083			
10	400	400						
11	350	350		, 133	- 4092	· SA-460	· CHL-620	leak
12 .	350	350	·0×365					
13	325	325	OX 366A	. 126	-4081			
14	325	325						31
15	300.	300	°0x 367	137	· 4080	= SA - 461	. CHT-054	
16	300	300						
17	275	275	* OX 368	- 140	+ 4078			
18	275	275						
19	250		* * 369/376	-128	- 4077		· CHL-016	
20	250	250						
21	225	225	037	. 136	-4076	-SA-462	- CHL-615	-
22	225	225			10000			
23	200	200		- 129	- U070			
24	200	200						

COMMENTS:

Verification

500 m NNE of DP

555 Station: Endurance Offshore DP post CTD-006 Cast #/Filename: Cable Rate Out m/min: 30 m/min < 100m; 60m/min 100m Date (Local): End Time (Local/GMT): 00:32 Start Time (Local/GMT): 07:32 124 57,078 End Lat/Long: 44° 22 35/ N 124° 57.083W Start Lat/Long: 44 7 min @ 10n Max Cable Out (m): 560 Soak Time (mins @ m): Chlorophyll Max Depth (m) ~ 35 m Max Cast Depth (m) 560

572 Sampling Start/End (Local): Bottom Depth (m): 16 12.0

			10 Jaup	4			<u>6</u>	
Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity 5 A	Chlorophyll CHLー	Notes
1	560	560	- 0x-362					Deaker
2	560		-0x-363			· 5A-468		
3		560 525	* *	-			· 838	
4	525 525	525 500						
5	500	500	* 0×364A			-5A-467		
6	500	300						
7	450	450	· 0X-365				-012	
8	450	450						
9`	400	466	* 0×-366A			· 5A-466		
10	400	466						
11	350	350	° 0 X-367				026	
12	350	350						
13	325	325						
14	325 325	325						
15	300	300	10 X-368			05A-465	- Ø32	
16	300	300					ì	
17	275	275	"OX-369					
18	279	275	6 X-370					student collect
19	250	250				5A-464	- Ø10	
20	250	250	*0 x-371 DX-372					student collect
21	225	225	0X-373A					student collect
22	225	225	0X-374 •• 0x 376/377					student collect
23	200	200	· · OX 376/377				-004	
24	200	200	0X375					student collect

COMMENTS:

Done prior to crawler actually working

R/V Thompson RCA-OOI Cruise TN-422 - CTD Cast Log 500 m 5 E 8 DP

CTD-007 Cast #/Filename: Date (Local): Cable Rate Out m/min: 30m/min <100m End Time (Local/GMT): Start Time (Local/GMT): N 125 22.556'W /25° 22,5530' End Lat/Long: Start Lat/Long: 2890 Soak Time (mins @ m): Max Cable Out (m): 1910m

Max Cast Depth (m) 2890 ~ 30m Chlorophyll Max Depth (m)

2905 Sampling Start/End (Local): 03(5 0355 Bottom Depth (m):

			10				6	
Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1	2890	2890	· 0X-313A			SA-463		
2	8890	2890	0x-314 x					Student collected 9
3	2750	2750	, , , , , , , , , , , , , , , , , , , ,				· CHL-028	
4	2750	2750						
5	2500	2500	· 0x-315					
6	2550	2500	0X-316 x					Student O
7	2000	2000	0X-319			*5A-469	3 CHL-013	,
8	2000	2000	OX-317A	*				Student O,
9	1750	1750	10X-318	1,				
10	11450	1750	OX-321	A A				Student On
11	1500	1500	· 0X-322				· CHL-031	
12	1500	1500	0X-320	*				student 03
13	1250	1250	- 0x-326					The Contract of the Contract o
14	1250	1250	0X-324 A	*				student oz
15	1000	1000	· 0X-327			35A-470	= CHL-039	
16	1000	1000	0X-323 -0X-331	*			·	Student copy pside
17	750	750	-OX-331			~		
18	150	750	0X-325					Student Oz
19	500	500		•		1 5A-471	· CHL-002	
20	500	500						
21	300	300	**OX-328					
22	300							
23	200	30° 200	800x-329/3	5 0		·5A-472	- CHL-001	
24	200	200						

COMMENTS:

+ 30 sec between

ther lmin + 30 see between samples & same

500 m NADP

· 0	•	
Station: Axal Base Deep Probler Post	Cast #/Filename: CTD-008	
Date (Local): Sept 12, 2023	Cable Rate Out m/min: 30m/min 2100m 60m/min	<u> </u>
Start Time (Local/GMT): 1608 23:08	End Time (Local/GMT): /8.2/:50 0/:2/:50)
Start Lat/Long: 45° 50.050 N 129.° 45.548W	End Lat/Long: 44 SO. 080N 129° 45.57	4
Soak Time (mins @ m): 7 min @ 10 m	Max Cable Out (m): 2590	
Max Cast Depth (m) 2590	Chlorophyll Max Depth (m) ~ 25 m	
Rottom Depth (m): 2602	Sampling Start/End (Local): 1845 / 1902	

			10			5	6		
Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes	
1	2590	2589	. 313			·SA - 473	· CHL - 037	- 1. A AMAZONIA	
2	2590	2589							
3	2400	2398							
4	2400	2398	,						
5	2250	1250	·314A			- 8A-474	·(HL-020		
6	2250	1150							
7	2000	2000	•315						
8	2000	2000							
9	1750	7750	316			· SA - 475	· (HL-026		
10	1750	1748							
11	1500		• 317A					William Willia	
12	1500	1500							
13	1250	1250	· 318				-CHL-031		
14	1250	1250						- ALLEGO COMPANION - ALLEGO COMP	
15	(000	1000						······································	
16	1000	1000							
17	750	758	• 319			*8A-476	· CHL-038		
18	750	フダロ						And the second s	
19	500	500	, 350						
20	500	500						HMW-tr-	
21	300	300	• 321A 322						
22	300	320	, ,						
23	200	200	- 383			• SA - 477	CHL - 003		
24	200	Zaa							

COMMENTS:

2mm @ desired depth 2590, then 30 sec between as ascending I min @ ea depth + 30 sec between

Station:	Axial Bare CTD	LJ03A	Cast #/Filename:	JZ-18	554	
Date (Local):	Sept 12, 2023	_	Cable Rate Out m/min:			
Start Time (Local/GMT):	19:17:48 02:1	17:48 Sept 13	End Time (Local/GMT):	00:11	07:11	Sept 13
Start Lat/Long:	45 49.008 N	129 45,2417W	End Lat/Long:	<u> </u>		- I
Soak Time (mins @ m):	,		Max Cable Out (m):	· .		
Max Cast Depth (m)	2607	CI	hlorophyll Max Depth (m)			
Bottom Depth (m):	2607	Sa	mpling Start/End (Local):	n 0200	>	

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
foce 1 Niskin	,		· OXY-313 A					fired 22:18
AST 2 Niski	n					· 5A - 478	· (hl - 03Z	fired 22:18
3							<u>.</u>	Dept 2407m
4								
5								
6								
7				· · · · · · · · · · · · · · · · · · ·				
8								
9								
10								
11								
12								
13								
14				·				
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Station: Axial Caldera CTD	MJ03F	Cast #/Filename: Ja 1555	
Date (Local): Sept 13, 2023		Cable Rate Out m/min: N	
Start Time (Local/GMT):		End Time (Local/GMT):	
Start Lat/Long:		End Lat/Long:	
Soak Time (mins @ m): —		Max Cable Out (m):	
Max Cast Depth (m)	(Chlorophyll Max Depth (m)	
Bottom Depth (m): 1523	s	Sampling Start/End (Local): 0845	

Niskin Bottle#	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
AF+ 1		1523	· ·					UTE
For 2		1523				•SA-479	2	Fired @ 14:12 (07:12)
3								
4								
5								
6							. It	
7								
8							3	
9								
10							-	
11								
12							:	
13								
14	}							
15								
16								
17								
18								
19								
20								G
21								
22								
23								
24								

COMMENTS:

Blue - 14:12 Red 14:14 R/V Thompson RCA-OOI Cruise TN-422 - CTD Cast Log Currents are DP SOOM NNE & D.

Cast #/Filename:

2025 Cable Rate Out m/min: Date (Local): Start Time (Local/GMT): End Time (Local/GMT):

124° 57.078W 124 57.069 ZZ-35/D Start Lat/Long:

Max Cable Out (m): 570 Soak Time (mins @ m): Chlorophyll Max Depth (m) ~ 30 560 Max Cast Depth (m)

Sampling Start/End (Local): 10:20 10:34 570 Bottom Depth (m):

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes
1	560	560						
2	560 525	560						
3	525	560 525	* 0x4-313A			· SA - 480	° CHL -026	
4	525	525 500						
5	500		- OX4 - 314				`	
6	500	499						
7	450	450	· 0x4 - 315			·SA - 127	· CHL - 003	
8	450	450	•					
9	400	400	· 0x4-316					
10	400	400 350						
11	350	350	10x4-317A			·SA - 128	OCHL-031	
12	350	350						
13	325	325	"OXU - 318					
14	325	325						
15	300	300				0 SA - 129	· CUL- 037	
16	300	300						
17	215	274	* 0 XY - 319					
18	275	275						
19	250	250	· 0 x 4 - 320				OHL-020	in a frantistra
20	250	250						a to a committee and a committ
21	225	225	*0x4-321A			- SA - 130	· CHL - 038	
22	225	225						
23	200	200	# O14-322 323					The state of the s
24	800	200						

COMMENTS:

0840

DP functioning now - reconnected w/ extension cord 2min @ depth-bottom - 30 see between hisking @ same depth Imin at depth

Station:	axial Eastern Caldera	Cast #/Filename:	J2-1560
Date (Local):	Sept 15, 2023	Cable Rate Out m/min:	**************************************
Start Time (Local/GMT):	18:37:03 1:37:03 Sept 16	End Time (Local/GMT):	21:47:07 4:47:07
Start Lat/Long:	45° 56.3902N 129058.4455W	End Lat/Long:	NA
Soak Time (mins @ m):		Max Cable Out (m):	
Max Cast Depth (m)		Chlorophyll Max Depth (m)	
Bottom Depth (m):	1518 s	ampling Start/End (Local):	

Niskin Bottle #	Target Depth (m)	Actual Depth (m)	Oxygen	DIC	Nutrients	Salinity	Chlorophyll	Notes	
CF1	BoHom					*SAL-131		Fired	03:38:08
OY 2								Dapth	1512
3									
4									
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9					- darred vondo				
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16	The second second second					- 11/14/1/12/14/14/14			
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24			·						