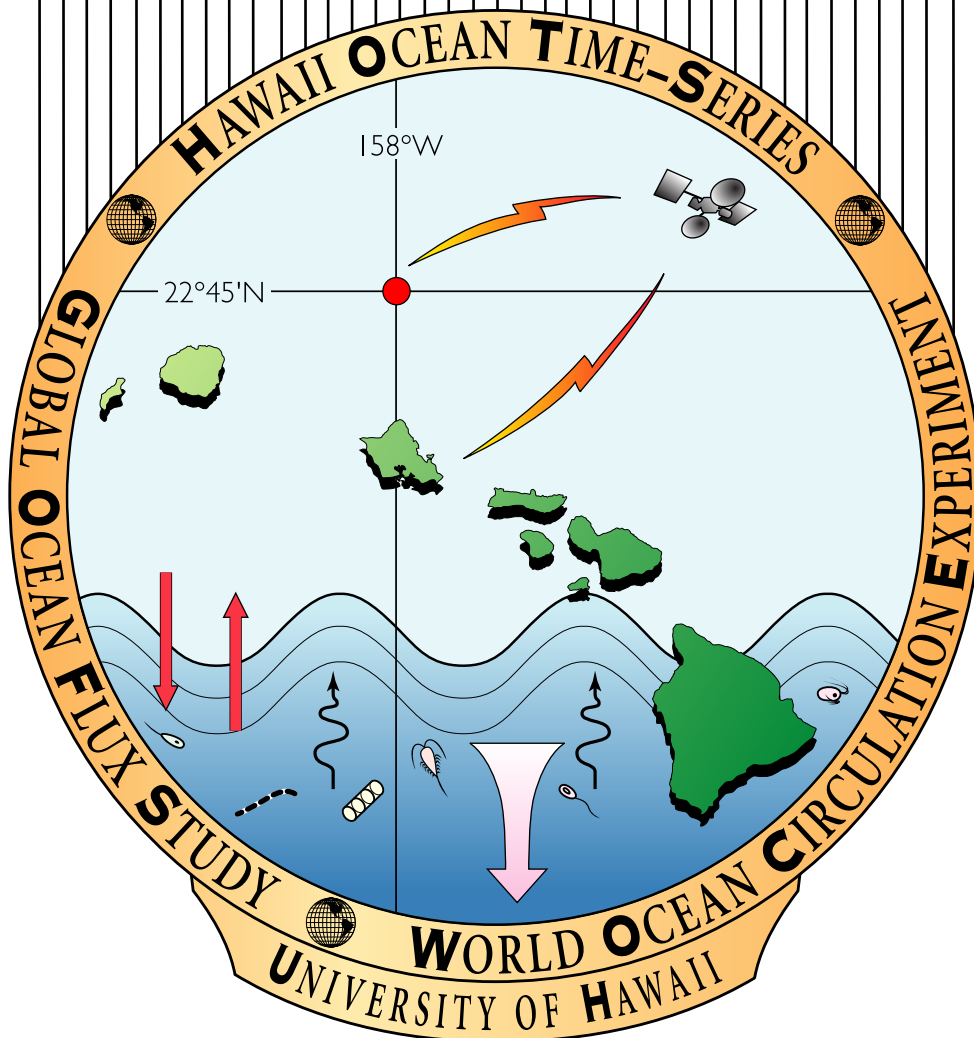


Hawaii Ocean Time-series Program

HOT 276



Hawaii Ocean Time-Series

HOT-276

KAHE Station Data Sheet

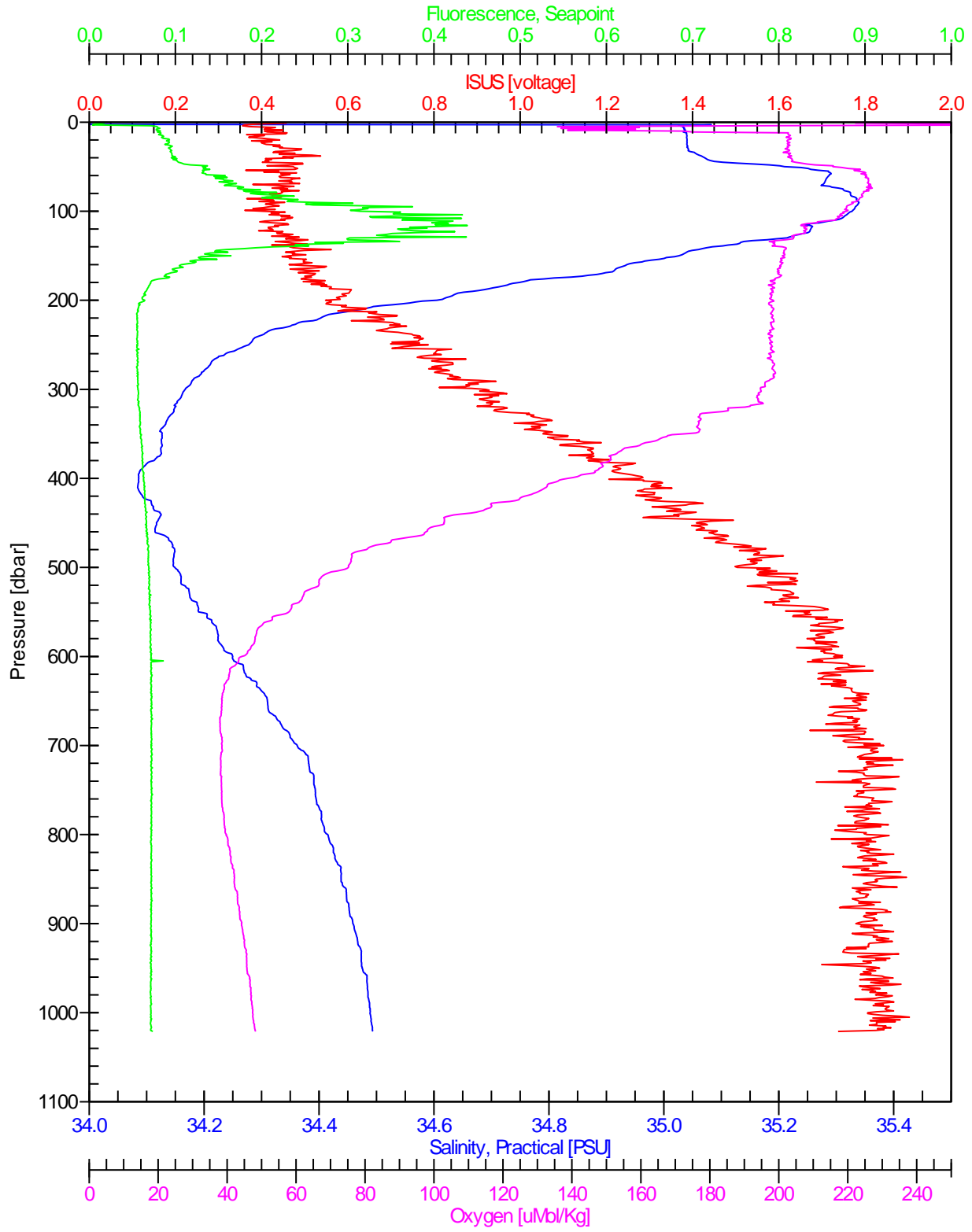
Station # 1
 Cast # 1
 Operator(s): BM, DS, LF, JB

Date: 9/26/15 (HST)
 Time: 1250 (HST)

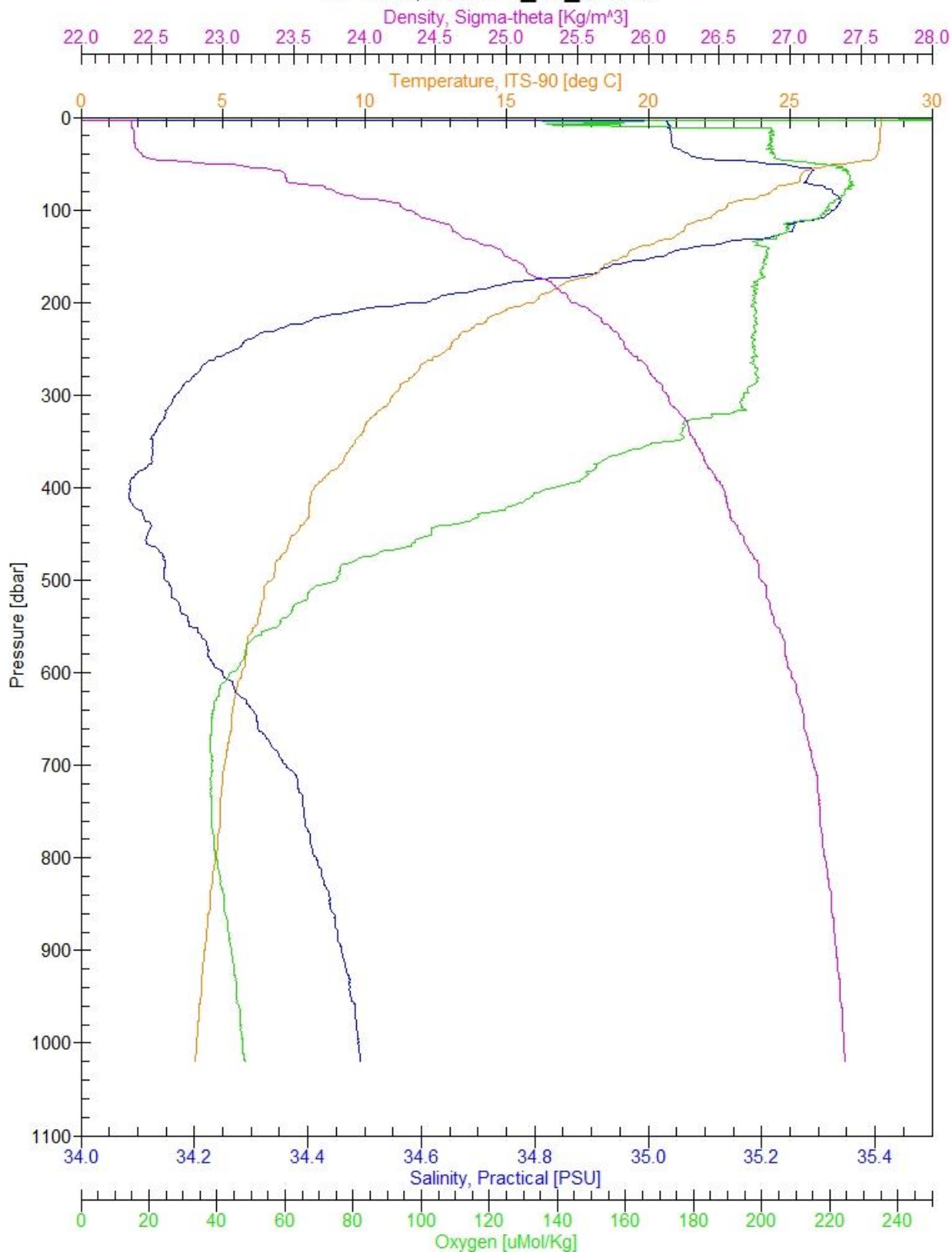
Rosette Position	Desired Depth	Oxygen	Sample Temp.	DIC/Alk	pH	DOC	Nuts	LLN/LLP	Chl <i>a</i>	FCM
1	1000	1	6.3				1			
2	900	2	6.6				2			
3	800	3	6.9				3			
4	750	4,5,6	7.4				4A-B			
5	700	7	7.2				5			
6	600	8	7.7				6			
7	500	9	8.8			7	7			
8	400	10	10.1				8			
9	350	11	11.5			9	9A-B			
10	300	12	12.5				10			
11	250	13	14.0				11			
12	225	14	15.0				12			
13	200	15	16.7			13	13			
14	175	16	18.1			14	14		14	14A-B
15	150	17	19.7			15	15	15	15	15A-B
16	125	18	21.4			16	16A-B		16	16A-B
17	115	19	22.1				17			
18	100	20,21,22	23.0			18	18	18	18A-B	18A-B
19	75	23	24.8			19	19		19	19A-B
20	60	24	25.6				20			
21	45	25	27.5	21	1	21	21	21	21	21A-B
22	25	26	28.0	22	2	22	22		22A-B	22A-B
23	5	27	28.0	23	3,4,5	23	23	23	23	23A-B
24	5	QC	28.0							

Notes:

G-1000, hot-276_s1_c1.cnv



W-1000, hot-276_s1_c1.cnv



Hawaii Ocean Time-Series CONSOLE LOG

HOT-276

Cast type	Bottle type	SST	Operator
G10006PS	12 L	28.24	DM

Station: 1	Cast: 1
Latitude start: 21° 20.594 end: 21° 20.850	Longitude start: 158 16.448 end: 158 16.485
Depth of water: 1737 meters	Date (GMT): 9 126 115
Pressure on Deck - 0.10	Time: Start Log: 2248 In Water: 2254 Out of Water: 0000
Begin: - 0.01	
End:	

- YSI Oxygen
- SBE 43 Oxygen
- Pinger
- Altimeter
- Transmissometer - shifted on upcast
- ICOPS Sea Tech Fluorometer → 900 dbar
- PAR
- STAG Seapoint Fluorometer
- mixed: 35
s-min: 400

Trip/ Niskin	Time stopped	Confirm tripped	Pressure	Target Depth	Comments
1		23:20:25	1020	1020	
2		23:23:45	901	900	
3		26:30	799	800	
4		28:15	749	750	
5		30:15	700	700	
6		32:55	600	600	
7		35:35	498	500	
8		38:10	400	400	
9		40:00	351	350	
10		41:50	300	300	
11		43:40	249	250	
12		45:05	225	225	
13		46:30	199	200	
14		47:50	175	175	
15		49:15	150	150	
16		50:45	125	125	
17		52:00	113	115	
18		53:20	100	100	
19		54:50	76	75	
20		55:55	60	60	
21		57:05	46	45	
22		58:20	25	25	
23		59:40	5	[5]	
24		:50	5	[5]	

Hawaii Ocean Time Series			Station #: 1		Cast #: 1
Salinity Sample Log Sheet			Cruise #: HOT-276		Operator: DM
Niskin #	Depth	Serial #	W/G	✓	Comments
SFC	NA	11	✓	✓	Surface
1	1020	25	✓	✓	
2	900	26	✓	✓	
3	800	27	✓	✓	
4	750	28	✓	✓	
5	700	29	✓	✓	
6	600	30	✓	✓	
7	500	31	✓	✓	
8	400	32	✓	✓	
9	350	33	✓	✓	
10	300	34	✓	✓	
11	250	35	✓	✓	
12	225	36	✓	✓	
13	200	37	✓	✓	
14	175	38	✓	✓	
15	150	39	✓	✓	
16	125	40	✓	✓	
17	115	41	✓	✓	
18	100	42	✓	✓	
19	75	43	✓	✓	
20	60	44	✓	✓	
21	45	45	✓	✓	
22	25	46	✓	✓	
23	[5]	47	✓	✓	
24	[5]	48	✓	✓	

HOT-276KOCTD Configuration

CTD: 850

Deck Unit: 111361

Pressure: 1430

Carousel: 518

T₁: 1416T₂: 5519C₁: 3984C₂: 2959O₁: 43982O₂: 43262

Pump 1: 968

Pump 2: 494

Fluorometer: 3602

Altimeter: 7769

Bucket Thermometer: 201002

Transmissometer: 1431

Cruise Participants

Susan Curless

John Athern

Lance Fyieki

Trevor Young

Dan Sadler

Brenner Wai

Blake Watkins

Brie Mailot

Karim Björkman

Eric Shimabukuro

Jim Burkitt

Greyson Adams

Ken Doggett

~~Lisa Hall~~

Jeffrey Snyder

Fernando Santiago-Mandujano

Daniel McCoy

Walt Deppe

~~Kelsey Malone~~

Justine Flotron - Undergrad HPV

Undergrad

15-11

HOT-276

129
24 Sept 2015

- 1930 Depart SNUG Harbor
- Departure delayed due to harbor traffic -
- 2000 Fire and safety drills
- 2228 Arrive Kahe Station
- 2245 Start weight cast
- Recovering weight, no tension readout -
- 2316 Deploy hyperpro @ $21^{\circ}26.76'_{N}$ $158^{\circ}16.48'_{W}$
- Still troubleshooting tension issues -
- Tensionometer junction box was found to be flooded. OTG is reterminating corroded connectors.
- 2345 Hyperpro recovered, troubleshooting errors.
- Connector issue resolved, resuming deployment -
25 Sept 2015
- OTG 0013 Hyperpro re-deployed
- 0040 Hyperpro recovered
- 0230 Returning to Snug Harbor. Unable to fix CTD tension meter on board.
- 0555 Arrive SNUG Harbor

26 Sept 2015

Kelsey Malone and Lisa Hall
Unable to join the continuation
of the cruise

Victoria Futch - UH grad student
joining the cruise

TERMINATION

233.52 RED COND.

8354 METERS

SED TRAP ARGOS 60481, 84859
RF 156.625

PP/GAS ARGOS 84857, 60484
RF 156.725

Weight Cast Info 9/26/15

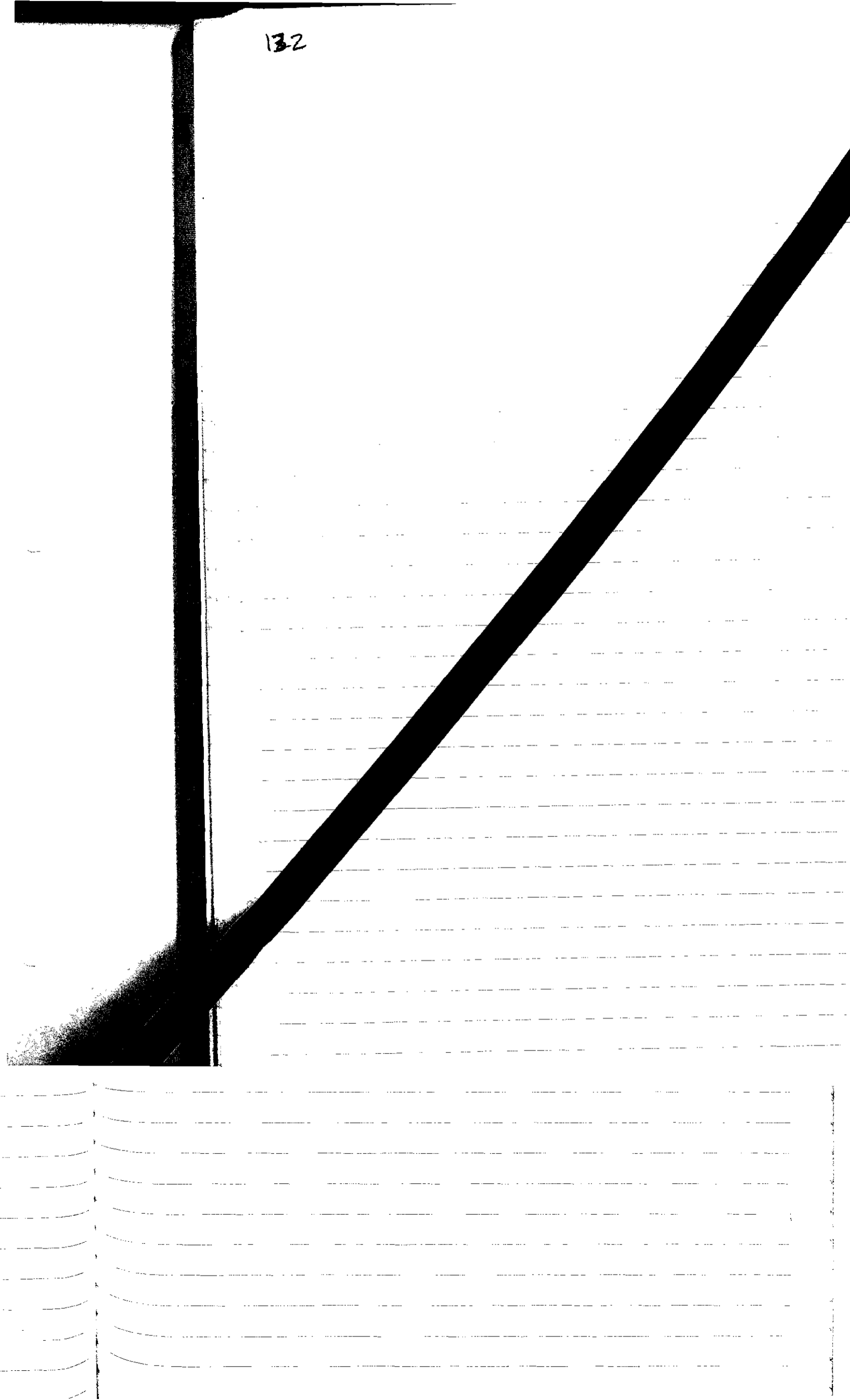
- weight on deck (no tension): -120 lbs
- weight on deck (w/ tension): ??
- weight in air: 400 lbs
- weight in water: 325 lbs

CTD Weight Info

- weight on deck (no tension): (-75) lbs
- weight on deck (w/ tension): 1000 lbs
- weight in air: 1105 lbs
- weight in water: 600 lbs
- weight in air (full):

Tension meter fixed on port. Restarted cruise.

- 1730 Science meeting with captain
- 1800 Depart from Snug Harbor
- 1830 Fire, abandon ship drills
- 2100 Arrive at Kahe Stn.
- 2110 Weight cast to 500 m
- 2130 Weight recovered
- 2145 Hyperpro deployed $21^{\circ}20.63'N$ $158^{\circ}16.39'W$
- 2230 Hyperpro recovered
- 2248 Start station 2 cast 2 - 61000GPS
- Transmissometer shift on upcast -
- 0002 End station 2 cast 2 - 61000GPS
27 Sept 2015
- 0012 Deploying drifting floats (V. Futch)
- $21^{\circ}21.069'N$ $158^{\circ}16.656'W$ - (1)
- $21^{\circ}21.375'N$ $158^{\circ}16.749'W$ - (2)
- $21^{\circ}21.738'N$ $158^{\circ}16.852'W$ - (3)
- 0024 Transit Stn ALDHA
- Tested Kuvdsen & during cast OK
got pinger signal and bottom depth



HOT-276

27 Sept 2015

0340 Large Swell ~8-9 ft, ship's speed ~5 kt
30 kt winds from NE.

1600 At ALOHA, large swell (8-10 ft), 28 kt wind (NE)
Suspending operations until winds weaken

swell from different directions

28 Sept 2015

0400 Heading back to Honolulu, weather
forecast indicates conditions will
get worse before getting better.

1704 Thermosal clock 20 sec fast.

1800 Arrived to Snug harbor