* deck operations
zoop obs.

AR29 / RV Neil Armstrong

VPRII ALU~~GIA~~ CRUISE

AR29 - VPR II Std. Log Sheet

AR29

CRUISE: ~~AL1502~~

VPRII LOG

SHEET 1 **of** ____

Camera setting or FOV: S1

Post processing:
Threshhold & Sobel Settings: 0, 130 ; 10, 4 ; 300, 10, 1
Calibration file:

VPR	LOGFILE	DATE (GMT) YEAR	MONTH	DAY	TIME (GMT) HOUR	MIN	TIME SYNC?	OPERATORS	NOTES
1	04181103.y18	2018	4	18	11	00		JE MRF EF	Seaward transect.
					11	50			deck froze (3 sec)
					12	36			too close to surface - bubbles
					12	13			echino, larvaceans, no phaeo
					13	00			deck froze (3 sec)
					13	39			large stbd servo current
					14	06			approaching sub-surface patch
					14	33			high fluor. @ 45 m - diatoms
									diatoms prevelant @ depth also
									>70m
2	04201120.y18	2018	4	20	11	20			write rois @ 5 m
					11	48			stop capture → trying to restart
2	04201150.y18				11	50			to get rid of black box*
									new log file - black box gone!
									phaeo > 20 m
					14	40			DIATOM CHAINS @ 40m
					14	46			" " 60-80
					15	02			Terminate @ STA. A16
					15	12			start hauling back
					15	21			stop capture

* "Black box" was a pigmented, rectangular strip w/ no imaging data, covering bottom 10% of screen.

VPRII ALUCIA CRUISE

CRUISE: ~~AL1502~~ AR29

VPRII LOG

SHEET 2 **of** ____

Camera setting or FOV: S1 VPR 1 107, 11-16

Post processing:
Threshhold & Sobel Settings: 0, 300 ; 10, 4 ; 300, 10, 1
Calibration file:

VPR	LOGFILE	DATE (GMT) YEAR	MONTH	DAY	TIME (GMT) HOUR	MIN	TIME SYNC?	OPERATORS	NOTES
3	4211932.y18	2018	04	21	19	31	✓	JE, PA, MP	Strobe appears to be off.
	4211955.y18					41			New log due to image issue
		2018	04	21	22	49	out of water		haul back - lots of fishing gear + getting dark
									*time to troubleshoot the strobe - YAY !!! :)
									Swapped bulb w/ OMVAR bulb - n.g.
									When tested strobe, blew fuse. Replaced 3 A fuse + bench-tested - n.g. Capacitors appear damaged - not functioning fill capacity.
4	4221912.y18	2018	04	22	19	10			fish in water
		2018	04	22	23	24			fish out of water
deck 4	04241310.y18	2018	04	24					deck test for strobe fix

AR29

VPRII ALUCIA CRUISE **CRUISE:** ~~AL1502~~

VPRII LOG **SHEET** 3 **of** ____

Camera setting or FOV: S1

Post processing:
Threshhold & Sobel Settings:
Calibration file:

VPR	LOGFILE	DATE (GMT) YEAR	MONTH	DAY	TIME (GMT) HOUR	MIN	TIME SYNC?	OPERATORS	NOTES
5	[illegible]	2018	4	25	12	34		MEP, JE, PA	fish in water
	04251235.y18								new bulb → images MUCH
									new board (FET) better!
									much brighter
									SOOOOOO much stuff
									in water
									"junk" → JAE
					14	20			Small 'dots' particles ~50um - unknown
									prevalent @ depth of low fluorescence.
									Also found near surface, but lower conc.
									Ring water @ surface - Higher Fl ~300
					14	25			~~[illegible]~~ causing background to be light.
					14	40			Very little marine snow - anywhere!
					14	53			Ship speed slow to 6.0 kt.
					15	11			fish out of water
6	04261910.y18	2018	04	26	19	08			fish in water
					19	30			Colonies of Collozoum observed
									lots of diatoms from 1 → 100 m. Fluoro 500
					20	24			more small + large spheres @ surface
									Radiolarians becoming more frequent
					23	50			fish out of water

VPRII ALUCIA CRUISE **CRUISE: ~~AL1502~~ AR29**

VPRII LOG **SHEET 4 of ____**

Camera setting or FOV: S1

Post processing:
Threshhold & Sobel Settings: 0-130 ; 10; 4; 300; 10, 1
Calibration file:

VPR	LOGFILE	DATE (GMT) YEAR	MONTH	DAY	TIME (GMT) HOUR	MIN	TIME SYNC?	OPERATORS	NOTES
7	04281241.y18	2018	04	28	12	40		JF, PA, MRP	fish in water
									towing 5-45 m → 30-45 m →
									phaeo !
					12	53			35 m → top of phaeo!
					13	44			30 m → top of phaeo
									whole tow → freezing is ridic →
									SOOO MUCH STUFF
					14	20			computer REALLY choking !!
									frozen for 20-30 sec at
									writes 1 frame, freezes for
									another 20-30 sec. Deck box
									looks good. Computer disk
									monitor very spiked - high all
									the way across
					14	31			too sparse - trying
									restart comp. + Deck
	0428 1436	2018	04	28	14	35			Phaeo all the way to surface
									C: drive on HP full so deleting
									VPR 1-3 to make room
					14	57			- ~~Reboot~~ Stop acquisition.
									Delete VPR 1, 2 for more HD capacity
									Restart

4414
9577

VPRII ALUCIA CRUISE

CRUISE: ~~AL1502~~ AR29

VPRII LOG

SHEET 5 **of** ____

Camera setting or FOV: S1

Post processing:
Threshhold & Sobel Settings: 0–130, 10, 4, 300, 10, 1.
Calibration file: – need new calibration.

VPR	LOGFILE	DATE (GMT) YEAR	MONTH	DAY	TIME (GMT) HOUR	MIN	TIME SYNC?	OPERATORS	NOTES
8	04281618.y18	2018	04	28	16	18			Went West then back to start line again + fill in data gap from when comp. choked. Heading east on line again.
									start = 70° 32.35' W
									top of phaco → 28-30 m
									comp./deck looks much better,
									- freezes for a couple sec. when
									full frame but not losing big
									chunks of data like before
					16	31			top of phaco → 25 m
					16	40			top of phaco → 20 m
					~~16~~				
					17	22			Top of Phaco without layer = 28 m
					18	03			start turn to North
					18	19			still very thick phaco but comp.
									not freezing as much
9	04282053.y18	2018	04	28					Beauty phaco @ surface – nice colonies
					21	41			Turn to port ~45°
									293° to 253°
					22	03			↓ to 10 kt. speed
					22	18			30m – Much more fluorescence. Freezing screen
					23	00			Pistom cords are back – also little "dots"
									@ surface. Echinos, more crepeds
					23	19			
			04	28	23	48			fish out of water