VPR DATA SHEET Day / Night

Cruise NH1208 Location Test Station 1 Cast# 1

Date Aug 11, 2012 Wind Speed _____ Direction _____

Year/Day 223 Sea State Medium

Local Time 16.31 to 17:52 Start: Lat 45.435163 Long -127.874497

GMT Time ~~21:31~~ 23:31 to 00:52 End: Lat 45.4279 Long -127.8959

Start Battery 26 V End Battery 25.3 V Magnification S1

Raw Filename: 1344725531 Processed Directory NH1208/NH1208_VPR/VPR1

Start frame: 31850 End frame: 67780 Cast Depth: 504 m

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

12.4 m possible L. helicina ROI 8465115500 shell is <5 mm tall

gastropod veligers at a few depths

• Eg 8540345100 ~~35-8-344~~ 16.8 m

~~35-8-44~~ 3.3 m, pseudothecosome ROI 8503994100

COMMENTS: _____

VPR DATA SHEET Day / Night

Cruise NH1208 Location station 1 Cast# 2

Date Aug 16, 2012 Wind Speed _____ Direction _____

Year/Day 228 Sea State _____

Local Time 0333 to 0452 Start: Lat 49.876330 Long -149.551145

GMT Time 1133 to 1252 End: Lat 49.875647 Long 149.541137

Start Battery 26.9 End Battery 25.2 Magnification 51

Raw Filename: 13415165535 Processed Directory NH1208\NH1208_VPR\VPR2

Start frame: 2440 End frame: 31210 Cast Depth: 1005.254

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

seg threshold 0-150 331 0-140 644
0-133 1581

6.6 m, 31.3 m something gelatinous

54 m trichodesmium

86 m copepod

102 m 4172943700 possible Limacina

225.8 m acantharian

270 m 4206492600 don't know, gelatinous & pretty, in nice ROIs

369 m, 470 m, 558 m copepods

928 m acantharian

COMMENTS: _____

VPR DATA SHEET **Day** / Night

Cruise NH1208 Location Stn 2 Cast# 3

Date Aug 16, 2012 Wind Speed _____ Direction _____

Year/Day 228 Sea State calm

Local Time 1321 to 1427 Start: Lat 49.414367 Long -149.273772

GMT Time 2121 to 2227 End: Lat 49.413567 Long -149.252862

Start Battery 26.6 V End Battery 25.3 V Magnification S1

Raw Filename: 1345151826 Processed Directory NH1208_VPR\VPR3

Start frame: 8250 End frame: 40150 Cast Depth: 1015 m

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame# Seg threshold 0-150 105 ROIs 0-140 226 ROIs
0-133 661 ROIs

In Low ROIs Mid

137 m 77 25118400 something gelatinous

64.7 m 7736691100 something partial, but good red color ✓ ✓

67.4 m ~~7735~~ 7737206100 good detail copepod ✓ ✓

105.2 m 7744879400 blurry possible L. helicina

180.2 m 7760368600 medusa ✓ ✓

210.4 m 7766639400 full large copepod ~4 mm long ✓ ✓

255 m 7775521700 fuzzy ball with a stomach ✓ ✓

271 ~~315.7~~ m 7778769300 nice copepod ~2 mm ✓ ✓

282.4 m 7780767200 another fuzzy ball, mucous web? ✓ ✓

695.7 m 7877542300 big ~~satp~~ comb jelly 6.2 mm ✓ surprised that Low ROIs missed this 1

Acanthaurans different depths found at ~~up~~ bottom of cast also

COMMENTS: _____

VPR DATA SHEET **Day / Night**

Cruise NH1208 Location Station 3 Cast# 4

Date Aug 31, 2012 Wind Speed _____ Direction _____

Year/Day ~~245~~ 243 Sea State _____

Local Time 14:03 to 15:07 Start: Lat 48.967862 Long 148.340275

GMT Time 22:03 to 23:07 End: Lat 48.959700 Long 148.325660

Start Battery ~~25.9~~ ~27 End Battery 25.5 Magnification 51

Raw Filename: 1346450439 Processed Directory NH1208-VPR\VPR4

Start frame: 6120 End frame: 36950 Cast Depth: 1015 m

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Run twice - ① seg. threshold = 140 + ② = 133

extracted # rois: ① 291 rois ② 785 rois

run #1 found good rois, except missed a large rod

maybe phlebs - roi #80249715700.tif

79801437O1 - Lim. w/egg strand? - probably not.

VPR DATA SHEET Day / Night

Cruise NH1208 Location St. 3 Cast# 5

Date (local) 9/1/12 Wind Speed _____ Direction _____

Year/Day 244 Sea State _____

Local Time 04:44 to 05:44 Start: Lat 48.9436 Long -148.8603

GMT Time 12:45 to 13:45 End: Lat 48.9383 Long -148.8643

Start Battery ~~15.45~~ End Battery _____ Magnification 31

Raw Filename: t34653 ~~2~~ 03103 Processed Directory _____

Start frame: 10420 End frame: 37830 Cast Depth: _____

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

d8 - 594 rois
d9 - 161 rois

Almost all of 1st 300+ rois = bubbles

- no pteropods found -

VPR DATA SHEET

(Day) Night

Cruise NH1208 Location st. 4 Cast# 6

local Date 1 Sept. 2012 Wind Speed _____ Direction _____

Jan 1 = 0 Year/Day 245 Sea State 8'

Local Time 12:50 to 14:21 Start: Lat 48.4975 Long -147.3207

GMT Time 20:50 to 22:21 End: Lat 48.4831 Long -147.3272

Start Battery — End Battery — Magnification S1

Raw Filename: 1346532288 Processed Directory NH1208_VPR\VPR6

Start frame: 9700 End frame: 39,300 Cast Depth: 1018 m

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

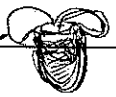
seg 0-133
sobel 40
STD 10
growth 300%
join 1

Depth Frame#

# rois: d16 = 121 rois
d17 = 464 rois

many Macrosetella copepods

7544601700



7655464400

VPR DATA SHEET **Day / Night**

Cruise NH1208 Location st 5 Cast# 7

Date 09/01/2012 Wind Speed _____ Direction _____

Year/Day 245 (244 n23) Sea State 6-8'

Local Time 19:20 to 20:40 Start: Lat 47.9984 Long -146.4507

GMT Time 03:20 (9/2) to 04:40 (9/2) End: Lat 47.9920 Long -146.4682

Start Battery _____ End Battery _____ Magnification 5X

Raw Filename: 1346555797 Processed Directory VPR7

Start frame: 3600 End frame: 31950 Cast Depth: ~~31950~~ 1012m

d24 n23 = 292 rois

seg = 140

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

macro/microsetella copepods at surface

large clear jelly - 11

no pteropods seen

COMMENTS: _____

VPR DATA SHEET Day / Night

Cruise NH1208 Location ST 6 Cast# 8

Date 09/02/2012 Wind Speed _____ Direction _____

Year/Day 246 Sea State _____

Local Time 2:45 to 4:08 Start: Lat 47.495 Long -145.591

GMT Time 912 10:45 to 12:08 End: Lat 47.486 Long -145.573

Start Battery _____ End Battery _____ Magnification S1

Raw Filename: 1346582311 Processed Directory VPR 8

Start frame: 8150 End frame: 37100 Cast Depth: 1015

seg = 140
n06-109 rois
n06-87 rois
E: 196 rois

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

The VPR was NOT flashing when back to surface. It was flashing when going down. There is a large file, (raw filename #, 2.5 Gb) and then many others (5) of very small size, posterior to it. (from 7:41).

So it reached bottom... And died at ~450 m to surface.

Batt.: 26.1 V. Charging.

The other battery is placed on the VPR (27.5 V) and left unplugged (dummy-ed).

NO S0-OFF-S1-OFF done.

microsetella

pteropods - roi.3937381000

COMMENTS: _____

VPR DATA SHEET **Day** / Night

Cruise NH1208 Location Sta. 7 Cast# 9

Date Sept 2, 2012 Wind Speed _____ Direction _____

Year/Day 245 Sea State _____

Local Time 12:10 to 13:10 Start: Lat 46.996187 Long 144.859550

GMT Time 20:10 to 21:10 End: Lat 46.986207 Long 144.854233

Start Battery _____ End Battery _____ Magnification S1

Raw Filename: 1346616723 Processed Directory NH1208_VPR\VPR9

Start frame: 1940 End frame: 31440 Cast Depth: 1017 m

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS: _____

VPR DATA SHEET Day / Night

Cruise NH1208 Location ST 7 Cast# 10

Date 09/03/2012 Wind Speed _____ Direction _____

Year/Day 246 Sea State _____

Local Time 23:46 to 00:43 Start: Lat 47.016 Long ~~-145.400~~ -144.700

GMT Time 07:47 to 08:44 End: Lat 47.010 Long -144.684

Start Battery _____ End Battery _____ Magnification S1

Raw Filename: 1346658113 Processed Directory ~~VPR1~~ VPR10

Start frame: 1701 End frame: ~~37118~~ 33464 Cast Depth: 1014

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Elog-ed after the fact

COMMENTS: _____

VPR DATA SHEET **Day / Night**

Cruise NH1208 Location St 8 Cast# 11 Dawn

Date 09/03/2012 Wind Speed _____ Direction _____

Year/Day 246 Sea State _____

Local Time 5:30 to 6:50 Start: Lat 46.499 Long -143.875

GMT Time 13:31 to 14.50 End: Lat 46.486 Long -443.867

Start Battery _____ End Battery _____ Magnification 51

Raw Filename: 1346678749.dat Processed Directory VPR17

Start frame: 6900 End frame: 34600 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS: _____

VPR DATA SHEET **Day** / Night

Cruise NH1208 Location Stn 9 Cast# 12

Date Sept 3, 2012 Wind Speed _____ Direction _____

Year/Day 246 Sea State _____

Local Time 11:47 to 13:14 Start: Lat 45.99796 Long 143.03196

GMT Time 19:47 to 21:14 End: Lat 45.98621 Long 143.01322

Start Battery _____ End Battery 24.9 Magnification S1

Raw Filename: 1346701462 Processed Directory ~~NH1208_VPR~~ VPR12

Start frame: 5000 End frame: 34700 Cast Depth: 1013 m

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS: _____

VPR DATA SHEET

Day / Night ~1000 m

Cruise NH1208 Location station 10 Cast# 13

Date 3 Sept 2012 Wind Speed 10.6 Direction 228

Year/Day 246 Sea State ~4

(-8 utc) Local Time 17:54 to 19:07 Start: Lat 45.50039 Long -142.198429

GMT Time 0154 to 0307 End: Lat 45.~~44919~~ 491928 Long -142.186028

Start Battery nd End Battery nd Magnification S1

Raw Filename: 134672-3609 Processed Directory NH1208_VPR/VPR13

Start frame: 3450 End frame: 30,1050 Cast Depth: 1000 m

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET Day (Night)

Cruise NH1208 Location St 11 Cast# 14

Date 09/04/2012 Wind Speed _____ Direction _____

Year/Day 247 Sea State _____

Local Time ~~5:00~~ 3:00 to ~~6:00~~ 8:57 Start: Lat 44.961 Long -141.324

GMT Time 11:00 to 11:57 End: Lat 44.950 Long -141.319

Start Battery _____ End Battery _____ Magnification S1

Raw Filename: 134~~6~~756243 Processed Directory VPR14

Start frame: 5353 End frame: ~~31077~~ 39250 Cast Depth: 904.87

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS: _____

VPR DATA SHEET (Day / Night)

Cruise NH1208 Location Stn 11 Cast# 15

Date Sept 4, 2012 Wind Speed _____ Direction _____

Year/Day 247 Sea State calm

Local Time 12:14 to 13:07 Start: Lat 44.901818 Long 141.243845

GMT Time 20:14 to 21:07 End: Lat 44.900912 Long 141.245852

Start Battery _____ End Battery _____ Magnification S1

Raw Filename: 1346789543 Processed Directory NH1208_VPR\VPR15

Start frame: 4720 End frame: 33530 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET Day / Night

Cruise NH1208 Location Stn 12 Cast# 16

Date Sept 4, 2012 Wind Speed _____ Direction _____

Year/Day 247 Sea State calm

Local Time 17:05 to 18:13 Start: Lat 44.498723 Long 140.551650

GMT Time 1:05 to ~~2:15~~ 2:13 End: Lat 44.489538 Long 140.547578

Start Battery nd End Battery 25.5 Magnification S1

Raw Filename: 1346806940 Processed Directory NH1208 VPR\VPR 16

Start frame: 3760 End frame: 31490 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET **Day / Night**

Cruise NH1208 Location ST 13 Cast# 17

Date 9/5/12 Wind Speed _____ Direction _____

Year/Day 248 Sea State _____

Local Time 00:07 to 1:28 Start: Lat 44.088 Long -139.736

GMT Time 08:08 to 09:28 End: Lat 44.102 Long -139.763

Start Battery _____ End Battery _____ Magnification S1

Raw Filename: 1346832369 Processed Directory VPR17

Start frame: 3900 End frame: 32250 Cast Depth: 1015

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS: _____

VPR DATA SHEET Day / Night

Cruise NH1208 Location Stn 14 Cast# 18

Date Sept 5, 2012 Wind Speed _____ Direction _____

Year/Day 248 Sea State _____

Local Time 6:30 to 7:48 Start: Lat 43.499007 Long 138.933318

GMT Time 14:30 to 15:48 End: Lat 43.499480 Long 138.939233

Start Battery _____ End Battery _____ Magnification S1

Raw Filename: 1346855296 Processed Directory NH1208_VPR\VPR18

Start frame: 3030 End frame: 33100 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS: _____

VPR DATA SHEET Day / Night

Cruise NH1208 Location St 15 Cast# 19

Date 09/05 Wind Speed _____ Direction _____

Year/Day 248 Sea State _____

Local Time 16:26 to 17:34 Start: Lat 43.109 Long -138.101

GMT Time 0026 to 01:34 End: Lat 43.116 Long -138.118

Start Battery _____ End Battery _____ Magnification S1

Raw Filename: 1346890768 Processed Directory VPR19

Start frame: 17000 End frame: 45750 Cast Depth: 1011

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Yo-Yo. End frame: 17000 - 45750 → single down run

YoYo → # 5850 - 17-000 → Folder ~VPR19/YOYO

Pichon n21 roi. 04248029 00 to 04248913 69 are wrong.

COMMENTS: _____

VPR DATA SHEET **Day / Night**

Cruise NH1208 Location station 15 Cast# 20

Date ~~6/9/12~~ 9/6/12 Wind Speed _____ Direction _____

Year/Day ~~248~~ 249 Sea State _____

Local Time 01:27 to 02:26 Start: Lat 43.189550 Long -138.163428

GMT Time 09:27 to 10:26 End: Lat 43.189273 Long -138.178683

Start Battery _____ End Battery _____ Magnification S 1

Raw Filename: 1346923483 Processed Directory VPR 20

Start frame: 5221 End frame: 34067 Cast Depth: 1013

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS: _____

VPR DATA SHEET (Day) / Night

Cruise NH1208 Location sta. 16 Cast# 21

Date 10 Sept. 2012 Wind Speed _____ Direction _____

Year/Day _____ Sea State 4' seas

Local Time 10^15 to 11^43 Start: Lat 42.50223 Long. -137.34664

GMT Time 18^16 to 19^43 End: Lat 42.52632 Long -137.36956

Start Battery _____ End Battery 26.2 Magnification S1

Raw Filename: _____ Processed Directory _____

Start frame: _____ End frame: _____ Cast Depth: _____

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Not flashing on recovery.

.dat file only 30 MB.

.idx file doesn't RUN in autodecl.

- one side of hard drive not clipped in place

VPR DATA SHEET (Day) / Night

Cruise NH1208 Location Stn 17 Cast# 22

Date Sept 6 2012 Wind Speed _____ Direction _____

Year/Day 249 Sea State rough

Local Time 17:07 to 18:24 Start: Lat 42.003382 Long 136.555232

GMT Time 1:07 to 2:24 End: Lat 42.019735 Long 136.559705

Start Battery 26.5 End Battery 24.8 Magnification S1

Raw Filename: 1346979773 Processed Directory NH1208_VPR\VPR22

Start frame: 6850 End frame: 35890 Cast Depth: 1010

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Battery C

COMMENTS:

VPR DATA SHEET Day / Night

Cruise NH1208 Location Stn ~~23~~ 18 Cast# 23

Date Sept 7, 2012 Wind Speed _____ Direction _____

Year/Day 250 Sea State rough

Local Time 4:25 to 5:25 Start: Lat 41.625982 Long 135.783080

GMT Time 12:25 to 13:25 End: Lat 41.639450 Long 135.796993

Start Battery _____ End Battery _____ Magnification S1

Raw Filename: 1347020638 Processed Directory NH1208_VPR\VPR23

Start frame: 5330 End frame: 33616 ← last frame Cast Depth: 995

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Battery A

~~East~~ Rest of cast missing

Other files (1 KB or more) crash autodeck

Hard drive full

COMMENTS: _____

VPR DATA SHEET Day / Night

Cruise NH1208 Location Stn 18 Cast# 24

Date Sept 7, 2012 Wind Speed _____ Direction _____

Year/Day 250 Sea State Pair

Local Time 13:12 to 14:09 Start: Lat 41.830697 Long 135.794067

GMT Time 21:12 to 22:09 End: Lat 41.839740 Long 135.796610

Start Battery 27.8 End Battery 25.3 Magnification S1

Raw Filename: 13470522218 Processed Directory NH1208_VPR\VPR24

Start frame: 4500 End frame: 33080 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET **Day / Night**

Cruise NH1208 Location St 19 Cast# 25

Date 09/07/2012 Wind Speed _____ Direction _____

Year/Day 250 Sea State _____

Local Time 22:59 to 06:22 Start: Lat 41.013 Long -135.012

GMT Time 06:59 to 08:22 (09/08) End: Lat 41.029 Long -135.032

Start Battery _____ End Battery 25.3 Magnification 51

Raw Filename: 1347087438 Processed Directory VPR 25

Start frame: 4800 End frame: 35300 Cast Depth: 1013

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Batt ~~Batt~~ Batterie C

COMMENTS: _____

VPR DATA SHEET **Day / Night**

Cruise NH1208 Location st 20 Cast# 26

Date 09/08/2012 Wind Speed _____ Direction _____

Year/Day 251 Sea State _____

Local Time 3:53 to 5:15 Start: Lat 40.503 Long -135.601

GMT Time 11:53 to 13:15 End: Lat 40.509 Long -135.012

Start Battery 27.5 V End Battery 25.4 Magnification 51

Raw Filename: 1347105041 Processed Directory 8 VPR 26

Start frame: 5230 End frame: 35180 Cast Depth: 8 1013

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

~~Dark~~ Already closed battery. No B. A

VPR DATA SHEET **Day / Night**

Cruise NH1208 Location Stn 2 Cast# 27

Date Sept 8, 2012 Wind Speed _____ Direction _____

Year/Day 251 Sea State _____

Local Time 11:55 to 12:53 Start: Lat 40.093 Long 135.023

GMT Time 19:55 to 20:53 End: Lat 40.091 Long 135.031

Start Battery 28.2 End Battery 25.6 Magnification 51

Raw Filename: 1347134028 Processed Directory NH1208_VPR\VPR27

Start frame: 4330 End frame: 33015 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Battery B

COMMENTS:

VPR DATA SHEET Day / Night

Cruise NH1208 Location Stn. 21 Cast# 28

Date Sept 8th 2012 Wind Speed _____ Direction _____

Year/Day 251 Sea State _____

Local Time 2300 to 000 Start: Lat 40.067 Long 135.073

GMT Time 2100 to 800 End: Lat 40.062 Long 135.088

Start Battery 27.5 End Battery 25.7 Magnification S1

Raw Filename: 1347172934 Processed Directory VPR28

Start frame: 4417 End frame: 33498 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS: _____

Dawn

VPR DATA SHEET **Day / Night**

Cruise NH1208 Location Stn 22 Cast# 29

Date Sept 9, 2012 Wind Speed _____ Direction _____

Year/Day 252 Sea State _____

Local Time 5:31 to 6:49 Start: Lat 39.502 Long 135.001

GMT Time 13:31 to 14:49 End: Lat 39.509 Long 135.006

Start Battery 27.4 End Battery 25.4 Magnification S1

Raw Filename: 1347197237 Processed Directory NH1208_VPR\VPR29

Start frame: 7120 End frame: 34150 Cast Depth: 1017

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET Day / Night

Cruise NH1208 Location Stn 23 Cast# 30

Date Sept 9, 2012 Wind Speed _____ Direction _____

Year/Day 252 Sea State calm

Local Time 10:08 to 11:31 Start: Lat 39.003 Long 135.002

GMT Time 18:08 to 19:31 End: Lat 39.008 Long 135.018

Start Battery 28.3 End Battery 25.3 Magnification S1

Raw Filename: 1347214079 Processed Directory NH1208_VPR\VPR30

Start frame: 4500 End frame: 32780 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Batt B

3 files written on upcast ↑ 55 m to 48 m missing

ruis

VPR DATA SHEET (Day) / Night

Cruise NH1208 Location Stn 24 Cast# 31

Date Sept 9, 2012 Wind Speed _____ Direction _____

Year/Day 252 Sea State calm

Local Time 16:53 to 17:48 Start: Lat 38.613 Long 135.009

GMT Time 2:53 to 3:48 End: Lat 38.616 Long 135.022

Start Battery 27.5 End Battery 25.6 Magnification 51

Raw Filename: 1347238165 Processed Directory NH1208_VPR\VPR31

Start frame: 3530 End frame: 33300 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET **Day / Night**

Cruise 1411208 Location ST-24 Cast# 32

Date Sept 10 Wind Speed _____ Direction _____

Year/Day 253 Sea State _____

Local Time 00:47 to 1:47 Start: Lat 38.524 Long -135.013

GMT Time 8:48 to 9:47 End: Lat 38.529 Long -135.026

Start Battery 27.8 End Battery 27.7 Magnification 51

Raw Filename: 1347266424 Processed Directory _____

Start frame: 6550 End frame: 35900 Cast Depth: 1012m

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS: _____

Dawn
Day / Night

VPR DATA SHEET

Cruise NH1208 Location Stn 25 Cast# 33

Date Sept 10, 2012 Wind Speed _____ Direction _____

Year/Day 253 Sea State _____

Local Time 5:48 to 7:05 Start: Lat 38.001 Long 134.999

GMT Time 13:48 to 15:05 End: Lat 38.012 Long 135.006

Start Battery 27.4 End Battery 25.3 Magnification S1

Raw Filename: 1347284780 Processed Directory NH1208_VPR\VPR33

Start frame: 5070 End frame: 32330 Cast Depth: 1013

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Seg threshold 0-140 = 253.1

0-133 = 253.2

COMMENTS:

VPR DATA SHEET **Day** / **Night**

Cruise NH1208 Location Stn 26 Cast# 34

Date Sept 10, 2012 Wind Speed _____ Direction _____

Year/Day 253 Sea State _____

Local Time 10:27 to 11:50 Start: Lat 37.503 Long 135.000

GMT Time 18:27 to 19:50 End: Lat 37.514 Long 135.012

Start Battery 28.0 End Battery 25.2 Magnification S1

Raw Filename: 1347301525 Processed Directory NH1208-VPR\VPR34

Start frame: 4300 End frame: 32800 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET Day / Night

Cruise NH1208 Location Stn 27 Cast# 35

Date Sept 10, 2012 Wind Speed _____ Direction _____

Year/Day 253 Sea State _____

Local Time 17:17 to 18:12 Start: Lat 37.153 Long 135.109

GMT Time 3:17 to 4:12 End: Lat 37.166 Long 135.116

Start Battery 27.8 End Battery 25.9 Magnification S1

Raw Filename: 1347325954 Processed Directory NH1208_VPR\VPR35

Start frame: 4470 End frame: 33400 Cast Depth: 1010

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET **Day / Night**

Cruise NH1208 Location St 27 Cast# 36

Date 9/11 (Sep 11) Wind Speed _____ Direction _____

Year/Day 254 Sea State _____

Local Time 1:44 to 02:39 Start: Lat 37.342 Long -135.085

GMT Time 09:44 to 10:40 End: Lat 37.351 Long -135.690

Start Battery 27.9 End Battery 25.6 Magnification 51

Raw Filename: 134 7356 457.dat Processed Directory VPR 36

Start frame: 4256 End frame: 33700 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Batt. A

COMMENTS: _____

VPR DATA SHEET **Day** / Night

Cruise NH1208 Location Stn 28 Cast# 37

Date Sept 11, 2012 Wind Speed _____ Direction _____

Year/Day 254 Sea State _____

Local Time 10:18 to ~~11:48~~ 11:43 Start: Lat 36.505 Long 134.996

GMT Time 18:18 to 1943 End: Lat 36.523 Long 134.996

Start Battery 27.8 End Battery 24.9 Magnification 51

Raw Filename: 1347387488 Processed Directory NH1208_VPR\VPR37

Start frame: 4530 End frame: 33500 Cast Depth: 1014

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Batt C

COMMENTS:

VPR DATA SHEET **Day** / Night

Cruise NH1208 Location Stn 29 Cast# 38

Date Sept 11, 2012 Wind Speed _____ Direction _____

Year/Day 254 Sea State _____

Local Time 15:09 to 16:24 Start: Lat 36.003 Long 134.999

GMT Time 3:09 to 4:24 End: Lat 36.020 Long 134.997

Start Battery 27.7 End Battery 25.3 Magnification 51

Raw Filename: 1347404703 Processed Directory NH1208_VPR\VPR38

Start frame: 3930 End frame: 33050 Cast Depth: 1010

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

Bott A

COMMENTS:

VPR DATA SHEET 30 **Day / Night**

Cruise NH1208 Location Station ~~29~~ Cast# 39

Date 11/9/12 Wind Speed _____ Direction _____

Year/Day 255 Sea State _____

Local Time 03:33 to 04:29 Start: Lat 35.665 Long -134.900

GMT Time 07:33 to 08:29 End: Lat 35.668 Long -134.902

Start Battery 27.8 End Battery 25.8 Magnification S1

Raw Filename: 1347449507 Processed Directory VPR39

Start frame: 5503 End frame: 32570 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET **Day / Night**

Cruise NH1208 Location Stn 30 Cast# 40

Date Sept 12, 2012 Wind Speed _____ Direction _____

Year/Day 255 Sea State rolling

Local Time 7:34 to 8:34 Start: Lat 35.654 Long 134.912

GMT Time 3:34 to 4:34 End: Lat 35.671 Long 134.911

Start Battery 27.9 End Battery 25.8 Magnification 51

Raw Filename: 1347463984 Processed Directory NH1208_VPR\VPR40

Start frame: 5710 End frame: 34722 Cast Depth: 1012

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET **Day** / Night

Cruise NH1208 Location Stn 31 Cast# 41

Date Sept 12, 2012 Wind Speed _____ Direction _____

Year/Day ~~Sept 12, 2012~~ 255 Sea State rolling

Local Time 17:58 to 19:11 Start: Lat 35.003 Long 134.998

GMT Time 3:58 to 5:11 End: Lat 35.019 Long 134.999

Start Battery 27.8 End Battery 25.2 Magnification 51

Raw Filename: 13475014 53 Processed Directory NH1208_VPR\VPR41

Start frame: 3700 End frame: 31210 Cast Depth: 1011

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET Day / Night

Cruise NH1208 Location 32 Cast# 42

Date 13/9/12 Wind Speed _____ Direction _____

Year/Day 256 Sea State _____

Local Time 02:33 to 0338 Start: Lat 34.4252 Long -135.1043

GMT Time 06:33 to 07:23 End: Lat 34.4383 Long -135.1100

Start Battery 27.5 End Battery 25.7 Magnification S1

Raw Filename: 134753 1765 Processed Directory VPR42

Start frame: 4543 End frame: 33070 Cast Depth: 1006

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET Day / Night

Cruise NH1208 Location Stn 32 Cast# 43

Date Sept 13, 2012 Wind Speed _____ Direction _____

Year/Day 256 Sea State _____

Local Time 11:55 to 12:54 Start: Lat 34.653 Long 135.081

GMT Time 19:55 to 20:54 End: Lat 34.667 Long 135.085

Start Battery 27.7 End Battery 25.6 Magnification 5.1

Raw Filename: 1347566080 Processed Directory NH1208_VPR\VPR43

Start frame: 4360 End frame: 33330 Cast Depth: 1013

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

Dusk

VPR DATA SHEET Day / Night

Cruise NH1208 Location Stn 33 Cast# 44

Date Sept 13, 2012 Wind Speed _____ Direction _____

Year/Day 256 Sea State Calm

Local Time 17:54 to 19:04 Start: Lat 34.001 Long 135.000

GMT Time 01:54 to 03:04 End: Lat 34.007 Long 135.007

Start Battery 27.5 End Battery 25.4 Magnification 51

Raw Filename: 1347587577 Processed Directory NH1208_VPR\VPR44

Start frame: 2400 End frame: 29790 Cast Depth: 1013

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS:

VPR DATA SHEET Day / Night

Cruise NH1208 Location 34 Cast# 45

Date 14/9/12 Wind Speed _____ Direction _____

Year/Day 257 Sea State _____

Local Time 2.08 to 3.12 Start: Lat 33.6199 Long -134.9950

GMT Time 6.08 to 7.12 End: Lat 33.6272 Long -134.9876

Start Battery _____ End Battery _____ Magnification _____

Raw Filename: 1347617293 Processed Directory VPR45

Start frame: 1800 End frame: 33686 Cast Depth: 1011

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS: _____

VPR DATA SHEET Day / Night

Cruise NH1208 Location Stn 34 Cast# 46

Date Sept 14, 2012 Wind Speed _____ Direction _____

Year/Day 257 Sea State _____

Local Time 12:14 to 13:17 Start: Lat 33.709 Long 135.012

GMT Time 20:14 to 21:17 End: Lat 33.722 Long 135.015

Start Battery _____ End Battery _____ Magnification 51

Raw Filename: 1347653516 Processed Directory NH1208_VPR \ VPR46

Start frame: 2850 End frame: 34900 Cast Depth: 1014

INTERESTING OBSERVATIONS MADE DURING EXTRACTION

Depth Frame#

COMMENTS: