

Reeve Net Samples

Cruise: UC473	Station: transit	Cast #: 1
Date: 9 Aug 2011		
Local time start: ~8:45 pm		Local time end: 9:22 pm
Wire speed out: 150 m	10 m/min for ~2 min, then	Wire speed in: 5 m/min
Angle out: 60°	15 m/min	Angle in: ~45° + 60
Wire out (m) 150 m ⁺		

Cast comments:
 * at surface, there was 5 m wire out - net was clamped above a lead weight.

Taxonomic notes:

2 adult clio pyramidata	2 juvenile? likely clio pyramidata
3 diacria trispinosa	
1 diacria quadridentata	
4 cuvierina columnella	
2 desmopterids	
1 phylloioe	

1
 12
 15
 17
 24
 27
 31
 33
 37
 40
 41
 49
 52

Reeve Net Samples

Cruise: OC473	Station: Test Sta. 2	Cast #: 2
Date: 10 Aug 2011		
Local time start: 21:05		Local time end: 21:46
Wire speed out: 20 m/min		Wire speed in: 7 m/min
Angle out: ~45		Angle in:
Wire out (m) 200 m		

Cast comments:

out at 20 m/min for 200 m, in at 7 m/min
 plan to tow for a while @ 75 m (5 min) → at 100 m/w/o
 200 m wire out @ 21:15 - start in @ 21:19
 ship speed 10 knots.

Taxonomic notes:

- 6 clio pyramidata (or juvenile caroliniiid)
- 3 cuvierina columnella
- 1 diacria trispinosa
- 2 creseis virgula
- 1 gymnosoma (Pneumodermoptid)
- 1 limacina
- 1 pericles

bunches of atlantic heteropods

Reeve Net Samples

Cruise: OC473	Station: 1	Cast #: 3
Date: 8/11/11		
Local time start: 20:30		Local time end: 21:05
Wire speed out: 20M/min		Wire speed in: 5M/min
Angle out: 35°		Angle in: 35°
Wire out (m) 150		

Cast comments:

ship speed 0.9 knots

Taxonomic notes:

- 1 *clio cuspidata* (huge & fantastic condition)
- 4 *diacria trispinos*
- 7 conical → *creseis virgula* or *styliola subula* or juveniles
- 4 *clio pyramidata* or some juveniles
- 1 *carolinia longirostris*

Lower organismal density → great shape
 tons of *sapphorina sapphirina*?
pleuromamma xiphras
rhincalanus nasutus

trichodesmium

Reeve Net Samples

351976 51987

Cruise: OC473	Station: 3	Cast #: 4
Date: 8/12/2011		
Local time start: 22:32 local		Local time end: 23:40
Wire speed out: 10 M/min		Wire speed in: 5 M/min
Angle out: 45°		Angle in: 35°
Wire out (m) 200		

Cast comments:

stopped @ 100m wire out on way in (5 min)

Stopped @ 50m wire out on way in (5 min)

Taxonomic notes:

Clio cuspidata
Carolinia gibbosa
diacarinia longirostris
Carolinia inflexa
Styliola sobola
Cuvierina colomella
diacria quadridentata
peradlis reticulata
diacria trispinosa
Clio pyramidata
hyalocylis striata
limacina inflata
limacina bulimoides

Fantastic tow.
hit an intense ch. max
~70 m.

putting aside *Cuvierina* i (12)
diacria t. (10)
for experiments

Reeve Net Samples

Cruise: OC473	Station: 5	Cast #: 5
Date: 8/13/11		
Local time start: 20:42		Local time end:
Wire speed out: 20 m/min		Wire speed in: 5 m/min
Angle out: 45°		Angle in: 45°
Wire out (m) 200		

Cast comments:

Hold @ 100 mwd 9 min
 Hold @ 50 mwd 5 min
 IN

Taxonomic notes:

Caulina longirostris
Clia cuspidata
Clia pyramidata
Cresis arcuata
Cresis virgula
Hyabaculis striata
Limacina bilimoides
Limacina inflata
Paracale triacantha

Thliptodon diapherous

Reeve Net Samples

Cruise: OC473	Station: 8	Cast #: 6
Date: 8/14/11	2 knots *	
Local time start: 22.52		Local time end: 23.52
Wire speed out: 20 m/min		Wire speed in: 5 m/min
Angle out:		Angle in:
Wire out (m) 200		

Cast comments:

Hold @ 100 mwo 5min
 Hold @ 50 mwo 5min

Taxonomic notes:

styliola subula 25
 caulinia longior 51
 peracle reticulata 1
 diacia quadridentata 4
 hyalocylis striata 3
 peracle tricornuta 1
 carentina columnella 4
 clo pyramidata 4
 limacina inflata 5
 carolinia inflata 1
 limacina bulimoides 4
 limacina tesquierei 1
 carolinia uncinata 1
 98/ent

Reeve Net Samples

Cruise: OC473	Station: 10	Cast #: 7
Date: 8/15	1 → 1.5 knots	
Local time start: 22:44		Local time end:
Wire speed out: 20 m/min		Wire speed in: 5 m/min
Angle out:		Angle in:
Wire out (m) 200 mwo		

Cast comments:

Up to 100 mwo → sit for 5 min
 Up to 50 mwo → sit for 5 min

39.998 N

51.999 W

Taxonomic notes:

Lots of baby gastropods, ostracods, limacina inflata & attached heteropods

limacina bulimoides (5)
 limacina inflata (13)
 carolinia longirostris (4)
 carolinia infixa (13)
 hyalocylis striata (28)
 clio pyramidata (10)
 stylola subula (32)
 clio cuspidata (1)
 diacna tri spinosa (7)
 cuverina columbella (4)

Pontelopsis regalis m
 Pontella spinipes
 Labidocera acutifrons
 Candacia ethiopica
 Pontellidae sp.

Reeve Net Samples

Cruise: OC473	Station: 10	Cast #: 8
Date: 8/16		
Local time start: 21:29	1.3 knots	Local time end:
Wire speed out: 10 m/min		Wire speed in: 5 m/min
Angle out:		Angle in:
Wire out (m) 200 mwo		

Cast comments:

up to 100 mwo → sit for 5 min
up to 50 mwo → sit for 5 min

39.416 N
51.909 W

Taxonomic notes:

95%

stylola subula (12) +3
limacina bulimoides (1)
limacina inflata (34) +8
carolinia inflexa (1) +1
creseis acicula (3)
hyalogastris striata (5)
elio cuspidata (1)
diacna quadridentata (2)
elio pyramidata (17) +5
diacna trispinosa 3

only a few *cardinia columbelli* for experiments
stylola subula
 tons of *carolinia inflexa*
diacna trispinosa

Reeve Net Samples

Cruise: OC473	Station: 13	Cast #: 9
Date: 8/17		
Local time start: 22:30	15 knots = -2 knots	Local time end:
Wire speed out: 20 m/min		Wire speed in: 5 m/min
Angle out: 50°		Angle in:
Wire out (m) 200 mww		

Cast comments:

Up to 100 mww, rest
Up to 70 mww, rest

5 min
5 min
(60ish m)

START

40.878 N
51.976 W

Taxonomic notes:

Diacria trispinosa (5)
Limacina bulimoides (6)
Carolinia longirostris (1)
Stylodonta subula (2)
Clio pyramidata (4)
Diacria quadridentata (1)
Carolinia inflexa (2)
Peracis reticulata (10)
Limacina inflata (10)
Hydrobia stria (3)
Creseis virgula (20)
Thliptodon diaphanos (1)

Reeve Net Samples

Cruise: OC473	Station: 15	Cast #: 10
Date: 8/18		
Local time start: 22:24		Local time end: 23:45
Wire speed out: 20 m/min		Wire speed in: 5 m/min
Angle out:		Angle in:
Wire out (m) 250 m wo		

Cast comments:

180 mwo for Smin
30 mwo for Smin

sharp scattering layer at 130 m

Taxonomic notes:

stylola subula 4
Limacina retroversa (a million)

Reeve Net Samples

Cruise: OC473	Station: 17	Cast #: 11
Date: 8/19/11		
Local time start: 20:32	1-1.4 knots	Local time end:
Wire speed out: 20 m/min		Wire speed in: 5 m/min
Angle out:		Angle in:
Wire out (m) 200 mwd		

Cast comments:

stop @ 120 mwd for 5min
 stop @ 50 mwd for 5min

42.985 Lat
 47.773 Long

Taxonomic notes:

Limnora retroversa
 TONS of amphipods
 Tons of phytoplankton → smelly
Megacyclops norvegica
Nematoscelus megalops

43.997

44.917

Reeve Net Samples

Cruise: OC473	Station: 19	Cast #: 12
Date: 8/20		
Local time start: 23:05	Ship Speed: 1-1.5 knots	Local time end:
Wire speed out: 20 m/min		Wire speed in: 20 m/min
Angle out:		Angle in:
Wire out (m) 200 m		

Cast comments:

stop @ 110 m for 5 min
 stop @ 40 m for 5 min

Taxonomic notes:

limacina retroversa (A BILLION)
carolinia inflexa (1)
creseis virgula (11)
Clione limacina babids (12)
 4 big clione!!



Reeve Net Samples

Cruise: OC473	Station: 21	Cast #: 13
Date: 8/21		
Local time start: 21:10	Ship Speed: 1-1.5	Local time end: 21:40
Wire speed out: 20 m/min		Wire speed in: 5 m/min
Angle out:		Angle in:
Wire out (m) 200 mwo		

Cast comments:

stop at 70 mwo (scattering @ ~ 50)

44,941900

41,997033

Taxonomic notes:

50 many pteropods

45%
Limacina inflata (26)
Clio cuspidata (2)
Stylola subola (13)
Cuvierina colomaella (1)
Eresis sp. (33)
Diadema trispinosa (12)
Carolinia gibbosa (1)
Carolinia inflexa (5)
Peracella reticulata (6)
Hyalocylis striata (2)
Limacina rotundata (7)
Clio pyramidata (24)

70%
Clio pyramidata (4)
Eresis sp. (20)

Reeve Net Samples

Cruise: OC473	Station: 24	Cast #: 14
Date: 8/22		
Local time start: 21:53	Ship Speed: 1.5 knots	Local time end:
Wire speed out: 20 m/min		Wire speed in: 5 m/min
Angle out:		Angle in:
Wire out (m) 200 mwo		

Cast comments:

stop @ 60 mwo for 5 min

46.502
41.997

Taxonomic notes:

diacria trispinosa (8)
elio pyramidata (14)
elio cuspidata (2)
limacina inflata (30)
misc. gymnosoma (9)
styliola subula (7)
limacina bulimoides (3)
pericle reticulata (1)
pneumoderma (2)
carolinia inflexa (1)
creseis sp. (34)
limacina retroversa (30)
chione limacina (5)
cuvierina columbella (13)

Reeve Net Samples

Cruise: OC473	Station: 26	Cast #: 15
Date: 8/23		
Local time start:	Ship Speed: 1.5	Local time end:
Wire speed out: 10 m/min		Wire speed in: 5 m/min
Angle out: 30°		Angle in:
Wire out (m) 200 mwo		

Cast comments:

35 ~~mwo~~ mwo for 5 min ~30 m = 45 m

47.490

47.492

Taxonomic notes:

2.5 billion pteropods

Coverina columnella

Chlo. pyrsumidat'a

Nothing else

49.552

41.942

Reeve Net Samples

Cruise: OC473	Station: 219 31	Cast #: 16
Date: 24 August 2011		
Local time start: 2005	Ship Speed: 1.6 Kts	Local time end:
Wire speed out: 20m/min		Wire speed in: 5m/min
Angle out: 50°		Angle in:
Wire out (m) 200m		

Cast comments: lots of salps in surface waters - lots of
shearwaters feeding at stern when net deployed.
up to 60 mwd rest for 5 min

Taxonomic notes:

Dacina trispinos a
Coverina columnella
lots of *Clio pyramidata* ~~lots of~~

Reeve Net Samples

Cruise: OC473	Station: 32	Cast #: 17
Date: 26 Aug 2011		
Local time start: 0030	Ship Speed: 21.5	Local time end: 0100
Wire speed out: 20m/min		Wire speed in: 10m/min
Angle out: 45		Angle in: 2 45
Wire out (m) 200m		

Cast comments: Strong layer 16 to 40m - short tow = 20m/min out + 10m/min in no stops - Net had large rip in Net mouth area when coming up

Taxonomic notes:

Lots of limacina retrograda