

Station Logs				Max who		Max tension	notes
Station #	Lat	Lon					
CTD_01							FAILED / too rough to deploy
TB_01	54 27 87	62 12 29	2000				Mainly sponges, many fossil scleractinians, finished sorting at 0632
TB_02			4000				Failed, no catch
CTD_02			2437.5				Problems firing at depth, but solved by rebooting ctd unit
CTD_03			3002				Failed, no old connection, shakedown weak link
TB_03			6600				Open cod end - large rock and small amount of debris
TB_04			8400				Enormous haul of corals
DR_01			7000				Failed - probably didn't reach the seafloor
TB_05			9500				Lots of rocks (mainly drop stones) and clay mud
DR_02							
DR_03							
DR_04							FAILED - aborted due to iceberg
DR_05			12600				Anchored for 10 minutes on recovery. Lots of rocks, most manganese coated, little biology, some microsponges
DR_06			14800				Anchored on bottom ~1.5 hrs, some small rocks, small glaciola. Some small gravel in net, no sediment. Some microsponges, sipunculid worms
DR_07			15400				Course changed due to iceberg, stuck on bottom for ~30 minutes, some large dropstones, 3 spp. Sponges
DR_08			14200				Dredge on NE side of amt, one big volcanic rock, one sea spider
DR_09			8000				Very large haul of rocks, but not rocks looked for, no animals but squashed sponges
TB_06			22000				Pileau on top of seamount, sudden spike of tension then release 04:49, broke trawl frame lost. Ende parried, termination stayed on wire.
DR_10			13000				Large haul mixed rocks. Manganese coating, some dropstones
DR_11			11000				Lots of volcanic rocks, thin layer of clay on most. Couple of micro sponges, 1 mushed red octocoral
DR_12			15000				No rocks, inner bag outside dredge.
DR_13			15000				Dredge on skinny seamount
TB_07							FAILED - Trawl lost - tension spike to 18200lbs
DR_14	60 50 076	50 00 61	7000				Small haul, clay soil, some primord octocorals, bamboo corals
DR_15	60 40 02	50 21 35	5400				EMPTY - no sign that anything went into the box but scrapes on the surface of box so definitely made it to the bottom
TO_01	61 17 11	50 25 55	2000				Large boulders, ice fish, octopus, starfish, corals
DR_16			4200				Mud and rocks with coral holdfasts, small splaysterids, starfish
CAM_03							Good launch, good recovery, good tow, excellent pictures
DR_17	1637		5600				Came up with a few rocks, so definitely on bottom and collecting, but no fauna --> adding more weight
CAM_04							Everything went smoothly
TO_02			7400				Good haul of fish, shrimp
DR_18			10000				Many huge rocks, baby corals in rock holes, big rock put big hole in net, sandy sediment
CTD_04			3002				Samples taken at (in m, bottle number in parenthesis): 9.8 (23-24), 99 (100 (21-22), 249 (250) (19-20), 410 (17-18), 1000 (13+14), 1800 (11+12), 2500 (9+10), 3200 (7+8), 3700 (5+6), 4105 (3+4), 4221 (1+2)
DR_19			6200				Mainly dropstones, 3 starfish, coral rubble and one coral (?) plate
DR_20			5400				Pebbles to medium sized rocks, brachiopod, sponge
DR_21			8400				Rocks, some holdfasts
CAM_05							First image expected at 22:11:35 (May 15), first flash 22:11 (at bottom 22:13), lift off bottom 00:15 (May 16), 11051 total images recorded, first picture at bottom at 22:12:15, smooth operator, great pictures (taken every 10sec)
DR_22							Added rock bagging to inside of dredge, lots of fossil coral bits
DR_23			7000				Another great haul of fossil coral pieces
DR_24			5000				Few rocks with holdfasts, some gravel
CAM_06							
DR_25			8200				Basalt pebbles. Fossil alcyonid coral, lots, very old, covered in manganese
DR_26			8200				Basalt rocks, fossil corals, large haul, hard to get out (wedged around bedsheet)
DR_27			6800				Dredge on N side, very fine coral rubble and manganese, few small pebbles, mostly coral rubble compacted with sediment
DR_28			3200				Dredge on top of shallowest pinnacle, bag fouled, inner plastic bag floated up, still some splaysterids, hydroids and fossil coral bases
CAM_07							3 water samples taken (1500, 400, 500), bottle #6 fired for the first time since towcom has collected water
DR_29			6000				In situ vesicular pillow basalts, corals, more live (splaysterids) than fossil
DR_30			4600				Basalt rocks, few coral debris heavily coated with manganese, few live splaysterids
DR_31			6000				Very washed fossil coral pieces, one intact Desmophyllum
DR_32			5600				Box dredge fouled, empty, definitely on bottom and collected, fouled on one spike and came up upside down?
DR_33							Samples taken at (in m, bottle number in parenthesis): 4395 (1+2), 4295 (3+4), 4000 (5+6), 3408 (7+8), 3000 (9+10), 2250 (11+12), 1500 (13+14), 1001 (15+16), 600 (17+18), 400 (19+20), 200 (21+22), 0 (23+24). 2cm sediment core collected sampled into separate bags
CTD_04			3125				Empty except for one tiny brachiopod, looks like bag may have overfilled
CAM_08							Abandoned tow as we reached permission to sample SARTS seamount
CAM_09							Last image at 0900
DR_34			3400				Box dredge on grassy level ~650m, very sandy, very compacted into box, Desmophyllum
TO_03			3200				One tow on top of SARTS seamount. Sponges / Ant corallites, splaysterids, brachiopods, 3 fossil pieces of Solenastrea
DR_35			8600				Corals and packed half way up dredge, multiple fossil Desmophyllum - other species, incl. Caryophylla (2 live), Splaysterids, live soft corals, starfish and other biology
DR_36			6000				Basalt pebbles and small rocks (no sand), 2 perfect fossil Desmophyllum, 1 giant splaysterid fossil, small splaysterids, 2 live Thysanella and 2 crabs
DR_37			10200				Stuck on bottom for a while, but recovered without significant damage. No catch though, probably dumped out on one of the big pulls
DR_38			3800				Mainly sand, some Desmophyllum
DR_39			6400				Desmophyllum and Caryophylla, coral and basalt sized sand matrix
DR_40			5600				Cobbles and boulders (no sand), single Desmophyllum fossil, splaysterids, some small octocorals, dead Caryophylla

NBP08_05

Entered?



Station Log

Station - DRO1

Date (GMT) - 26 April 2008

Location - Shetland Seamount, Central Scotia Sea

Gear - Sigsbee Rock dredge

Start:-

GMT - 1918 CMG- 226 Spd 0.6 knots

Lat - 55 30.04 Long - 42° 42.01 Depth - 2307m

End:-

GMT - _____ CMG- _____ Spd _____

Lat - _____ Long - _____ Depth - _____

Max w/o - 2505m Max Tension - ~7000lb

Sample/Notes -

Nothing in dredge -

Looks like we did not hit the bottom
at all - why? need new strategy

~~resonance~~
pinger echo was not visible, so not that
helpful for locating the bottom

NBP08_05

Entered?



Station Log

Station - DR ~~11~~ 5

Date (GMT) - 30th April 2008 (JD 121)

Location - Central South Scotia

Gear - Dredge (seeps)

Start:-

GMT - 0947 CMG - 277 Spd 0

Lat - 56° 53.70 S Long - 43° 43.59 W Depth - 3383

End:-

GMT - 1453 CMG - 298 Spd 0

Lat - 56° 54.29 S Long - 43° 44.21 Depth - 2798 ~

Max w/o - 3550m Max Tension - ~~3550m~~ 12600 lbs

Sample/Notes -

* Note wall of southerly feature - steep run.

* Anchored for 10 minutes on recovery - pull to 12600 lbs

→ lots of rocks - some big ones stuck in

mouth - most manganese coated. little biology,

Some small microsponges

NBP08_05

Entered? ☐

Station Log

Station - DR #7

Date (GMT) - 2 May 2008 (JD 123)

Location - Scotia Sea

Gear - Dredge - Snapper

Start:-

GMT - ~~054~~ 0604 CMG- 283 Spd 0.4

Lat - 54° 53.95 Long - 40° 41.67 Depth - 2422

End:-

GMT - 1019 CMG- 131 Spd 0

Lat - 54° 53.165 Long - 40° 42.65W Depth - 2109

Max w/o - 2765 Max Tension - 15400 lbs

Sample/Notes -

- Course moved once because of iceberg.
- Stuck on bottom for ~30 minutes, very large tension spike.
- Couple of large dropstones, one rock w/ vesicles
- 3 spp. sponges (fragments)

NBP08_05

Entered?



Station Log

Station - DR #8

Date (GMT) - 3 May 08 (JD 124)

Location - Smt - & Scotia Sea

Gear - Dredge - Scripps

Start:-

GMT - 1433 CMG- 184 Spd 0.2

Lat - 56° 02.18 S Long - 36° 29.12 W Depth - 2704 m

End:-

GMT - 1854 CMG- 285 Spd 0.3

Lat - 56° 02.08 S Long - 36° 30.34 W Depth - 2102

Max w/o - 2850 Max Tension - 14200 lbs

Sample/Notes -

end:
1854

Dredge on NE side of Smt in Scotia

→ One big volcanic rock

→ No biology. (1 sea spider)

NBP08_05

Entered? ☒

Station Log

Station - DRO9

Date (GMT) - 2008 3 May 2008

Location - Shut in Scotai Sea East

Gear - Dredge Surpiss

Start:- 22.22
GMT - 56 10.68 CMG- 91.1 Spd 0.2
Lat - 36 39.205 Long - 36 39.205 Depth - 1560
56 10 684

End:-
GMT - 0215 CMG- Spd
Lat - 56 09.4375 Long - 36 39.6149 Depth - 888

Max w/o - 1660 Max Tension - 8000

Lat
Long

Sample/Notes -

Very large rock haul - however not containing
rocks they were looking for.

No animals → some squished sponges

NBP08_05

Entered? ³³



Station Log

Station - DR ~~01~~ 10

Date (GMT) - 5~~th~~ MAY 2008

Location - Central Scotian Sea.

Gear - Predage, Scripps.

Start:-

GMT - 00:00 CMG- 326 Spd 0.7 knots.

Lat - 56 29.6082 Long - 39 23.6989 Depth - 3199

End:-

GMT - 0505 CMG- - Spd 0

Lat - 56° 29 1685 Long - 39° 24.5805w Depth - 2738 m

Max w/o - 3410 Max Tension - 13000 lbs

Sample/Notes -

large hard mixed rocks. Manganese coating,
Some dropstones

NBP08_05

Entered? ³⁵



Station Log

Station - DR #11

Date (GMT) - 6 May 2008

Location - Scotia Sea

Gear - Dredge (scripps)

Start:-

GMT - 0524 CMG- 52 Spd 0.6

Lat - 55° 29.72S Long - 42° 41.51W Depth - 2507 m

End:-

GMT - 1018 CMG- 261 Spd 0.6

Lat - 55° 30.19 Long - 42° 42.33 Depth - 2138

Max w/o - 2665 Max Tension - 11000 lbs

Sample/Notes -

- lots of 'volcanic' (?) rocks, thin layer of clay on most
- couple micro-sponges, 1 mushed red octocorals

NBP08_05

Entered? ☒ 38

Station Log

Station - DR #13

Date (GMT) - 8 May 2008

Location - Skrimy

Gear - Dredge (scraps)

Start:-

GMT - 1205 CMG- 58 Spd 0.2

Lat - 59° 29.949 S Long - 42° 33.597 W Depth - 2479

End:-

GMT - 1444 CMG- Spd

Lat - 59 29.344 Long - 42 33.459 Depth - 2097

Max w/o - 2625 Max Tension - 15000

Sample/Notes -

Dredge on skrimy seamount

NBP08_05

Entered?



Station Log

Station - DR #6

Date (GMT) - 1 May 2008 (JD 122)

Location - Central South Scotia

Gear - Dredge, Sippes

Start:-

GMT - _____ CMG- 106.5 Spd 1 knot
Lat - _____ Long - _____ Depth - _____

End:-

GMT - 1157 CMG- 106.5 Spd 0
Lat - 56° 08.88 Long - 41° 28.66 Depth - 2112

Max w/o - 2503 Max Tension - 14800 lbs

Sample/Notes -

- 0030 - Anchored on bottom - ~ 1.5 hrs

- Some small rocks, small glaciers - no large rock at all.

- Some small gravel in net - no sediment

- Some micro-sponges / sipunculid worms