

Northwest Atlantic



Fisheries Organization

Serial No. N5236

NAFO SCR Doc. 06/19

SCIENTIFIC COUNCIL MEETING – JUNE 2006

Marine Environmental Data Service NAFO Report 2005

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Abstract

MEDS, as the Regional Environmental Data Center for NAFO, is required to provide an annual inventory of environmental data collected in the NAFO area to the NAFO subcommittee for the environment (STACFEN). Inventories and maps of physical oceanographic observations such as ocean profiles, surface thermosalinographs, drifting buoys, currents, waves, tides and water level measurements for the calendar year 2005 are included. This report will also provide an update on developments to the Argo program and the Atlantic Zone Monitoring Program web site.

It is important for STACFEN to encourage members to send data and information to the designated data center in order to get significant return for NAFO member countries.

Introduction

MEDS has been recognized since 1975 as the Regional Environmental Data Center for ICNAF and subsequently for NAFO. In order for MEDS to carry out its responsibility of reporting to the Scientific Council, the Designated National Representatives selected by STACFEN are requested to provide MEDS with all marine environmental data collected in the Northwest Atlantic for the preceding years.

Provision of a meaningful report to the Council for its meeting in June 2006 required the submission to MEDS of a completed oceanographic inventory form for data collected in 2005, and oceanographic data pertinent to the NAFO area, for all stations occupied in the year prior to 2005. The data of highest priority are those from the standard sections and stations, as described in NAFO SCR Doc., No. 1, Serial N1432, 9 p.

Data that have been formatted and archived at MEDS are available to all members on request. Requests can be made by telephone (613) 990-0243, by e-mail to service@meds-sdmm.dfo-mpo.gc.ca, by completing an on-line order form on the MEDS web site at www.meds-sdmm.dfo-mpo.gc.ca/meds/Contact_US/Request_e.asp, or by writing to Services, Marine Environmental Data Service (MEDS), Dept. of Fisheries and Oceans, 12th Floor, 200 Kent St., Ottawa, Ont. Canada K1A 0E6.

Activity Updates

The Argo data system

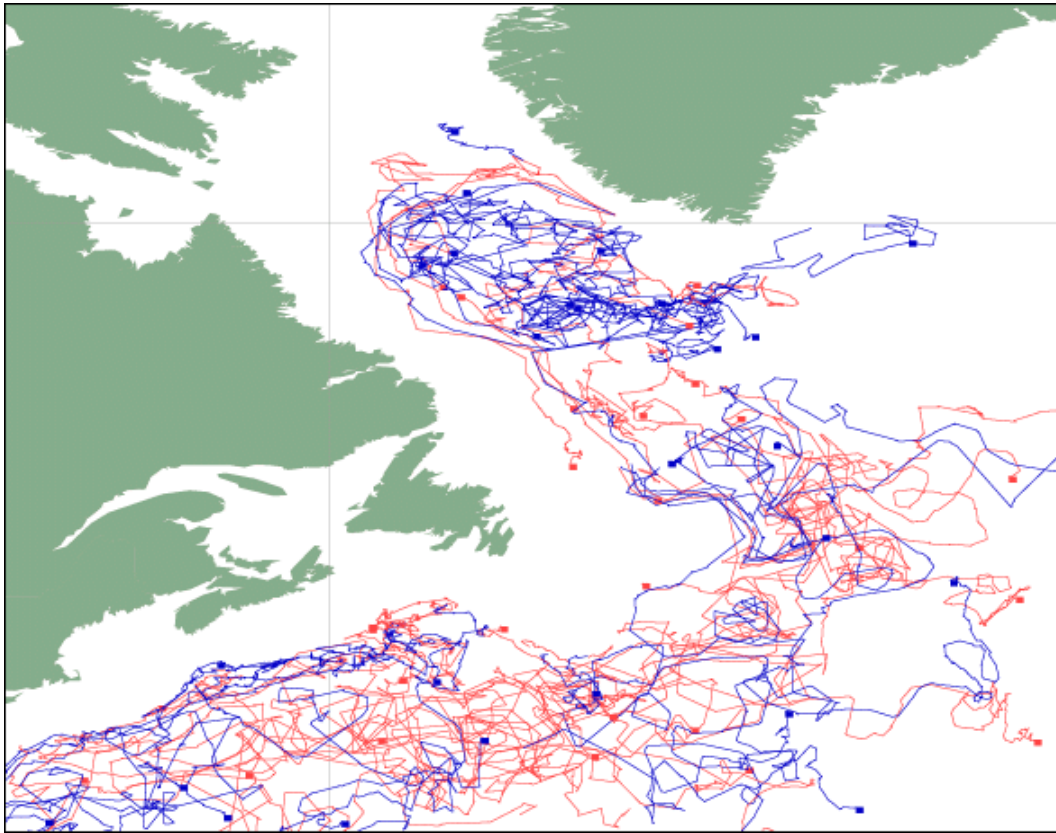
Argo is an international program to deploy profiling floats on a 3 by 3 degree grid in the oceans of the world. Each profiling float samples and reports both temperature and salinity from 2 000 m to the surface every 10 days. Some of the newer floats now also report oxygen. Data are distributed on the Global Telecommunications System (GTS) within 24 hours of collection and made available on two Global servers located in France and the US. MEDS role is

to carry out the processing of the data received from Canadian floats, to distribute the data on the GTS and the global servers within 24 hours and to handle the delayed mode processing.

MEDS developed a Canadian web site www.meds-sdmm.dfo-mpo.gc.ca/meds/Prog_Int/argo/ArgoHome_e.html that contains data and information about Canadian floats as well as some general information and statistics about the global array. Global information is also available from the Argo Information Centre in Toulouse at argo.jcommops.org.

During 2005, Canada deployed a total of 31 floats of which 13 were in the North Atlantic. Figure 1 shows the Canadian Argo floats deployed in the North Atlantic as of May 2006. The tracks in red indicate floats that are no longer reporting.

Figure 1: Canadian Argo profiling floats May 2006



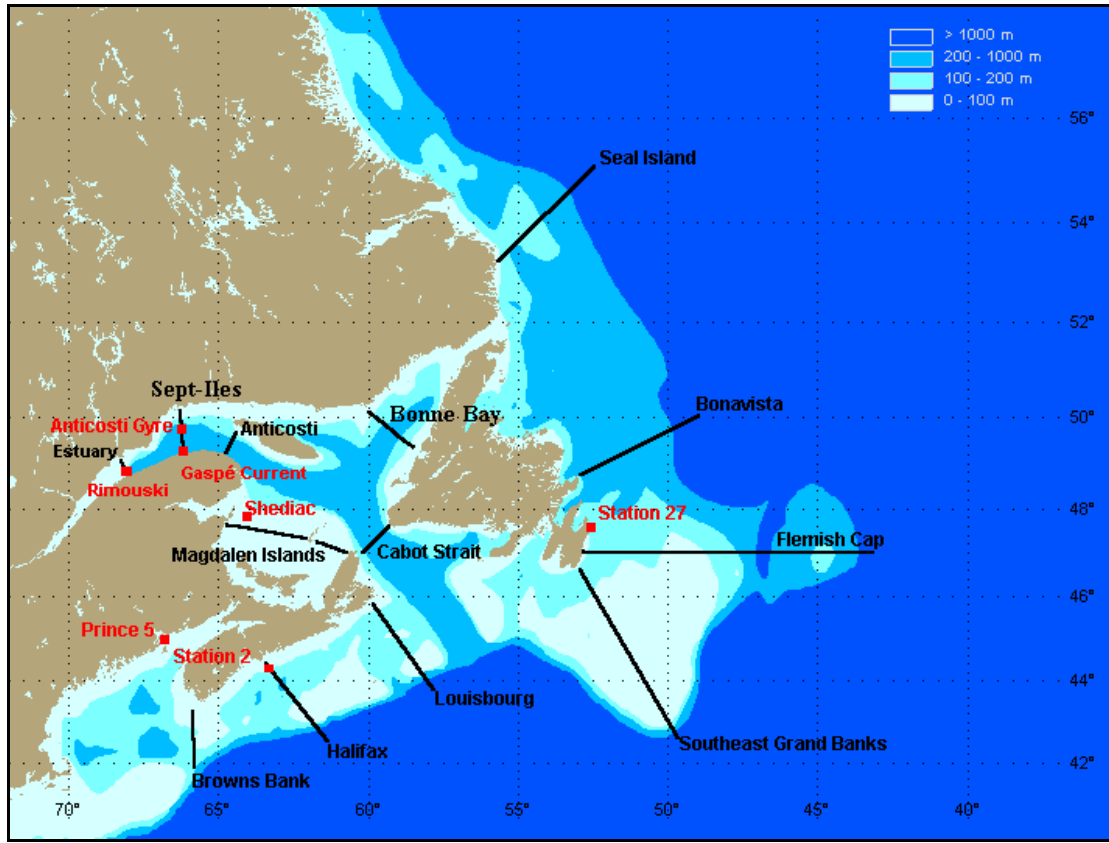
Atlantic Zone Monitoring Programme (AZMP)

The DFO Atlantic Zone Monitoring Programme activities include regular sampling for 7 fixed stations and 13 standard sections, and research cruises in the AZMP area to collect other physical, chemical and biological data. As part of MEDS' activities in data management, MEDS continues to build and maintain the AZMP web site: www.meds-sdmm.dfo-mpo.gc.ca/zmp/main_zmp_e.html

Physical and chemical data from 1999 to the present are currently available on the web site. Climate indices have also been added to show long term trends of physical variables. Water level data for 9 gauges ranging from 1895 to present are also available. Biological data are stored in a nationally distributed database (BIOCHEM) that is presently being developed at BIO/MEDS. Graphical representations of biological data (phytoplankton) are currently being displayed on the web site.

Recent updates to the web site during 2005/2006 included addition of Rimouski as a seventh (7th) fixed station, a new interface for browsing chemical and physical data at all seven fixed stations and T-S diagrams for bottle and CTD data.

Figure 2: Map of the 7 stations and 13 sections regularly sampled within AZMP



Data Summaries for 2005

Subsurface profile data

For the NAFO area, subsurface vertical profiles as well as surface observations, sample a variety of parameters such as temperature, salinity, oxygen, nutrients and other chemical and biological variables. MEDS receives these data either in real-time (within one month of observation) via the Global Telecommunications System (GTS) reporting system or in delayed-mode directly from responsible institutions, and indirectly from national Cruise Summary Reports and other reports of marine activities.

The following inventories and corresponding maps summarize the ocean subsurface and surface data processing activities in 2005 for the NAFO area:

- **Table 1, Figure 3: Real-time temperature-salinity profile data collected and processed in 2005 TOTAL: 74136 profiles**
- **Table 2, Figure 4: Surface Thermosalinograph data collected and processed in 2005 TOTAL: 31878 stations**
- **Table 3, Figure 5: Delayed-mode profile data collected and processed in 2005 TOTAL: 4203 profiles**
- **Table 4, Figure 6: Profile data collected prior to 2005 and processed in 2005 TOTAL: 15295 profiles**

Ocean subsurface data are processed at MEDS in much the same way for each of the data sets described above. Electronic files are converted from a wide range of formats, into a common format. Quality control is carried out by a combination of specially designed software and trained personnel. The quality control has four main functions. The first is to check and ensure that each data message is properly formatted, units are standardized, and parameter range checks are performed. The second is to identify any duplication, and select the best version based on data type, source of the data, and general qualities in analysis and reporting of the observations. The third check identifies and corrects date/time and geographical positioning errors using computer tests and visual inspection of the track for each cruise. The final quality control procedure uses a series of algorithms to find and flag common instrument failures found in profiles of subsurface measurements. Each subsurface profile of temperature, salinity and other subsurface variables, are also visually inspected using software to plot the data and allow a technician to set quality flags to individual points on a profile.

http://www.meds-sdmm.dfo-mpo.gc.ca/meds/Databases/OCEAN/QC_e.htm

Figure 3: Real Time Temperature-Salinity Stations 2005
Total = 74136 Stations

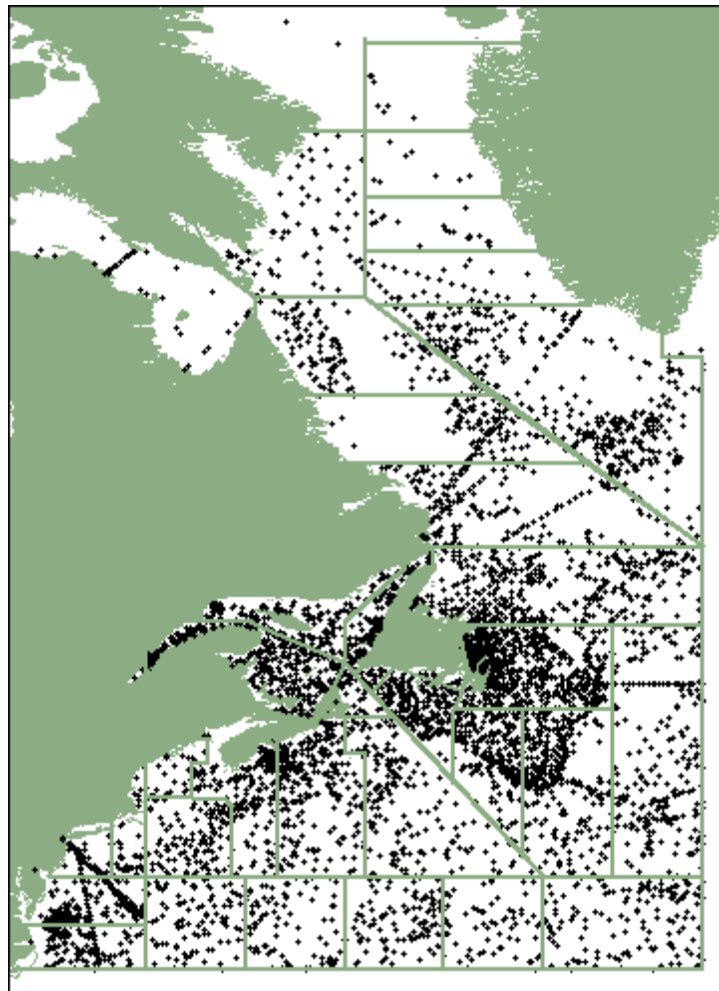


Figure 4: Surface Thermosalinograph stations 2005
Total = 31878 Stations

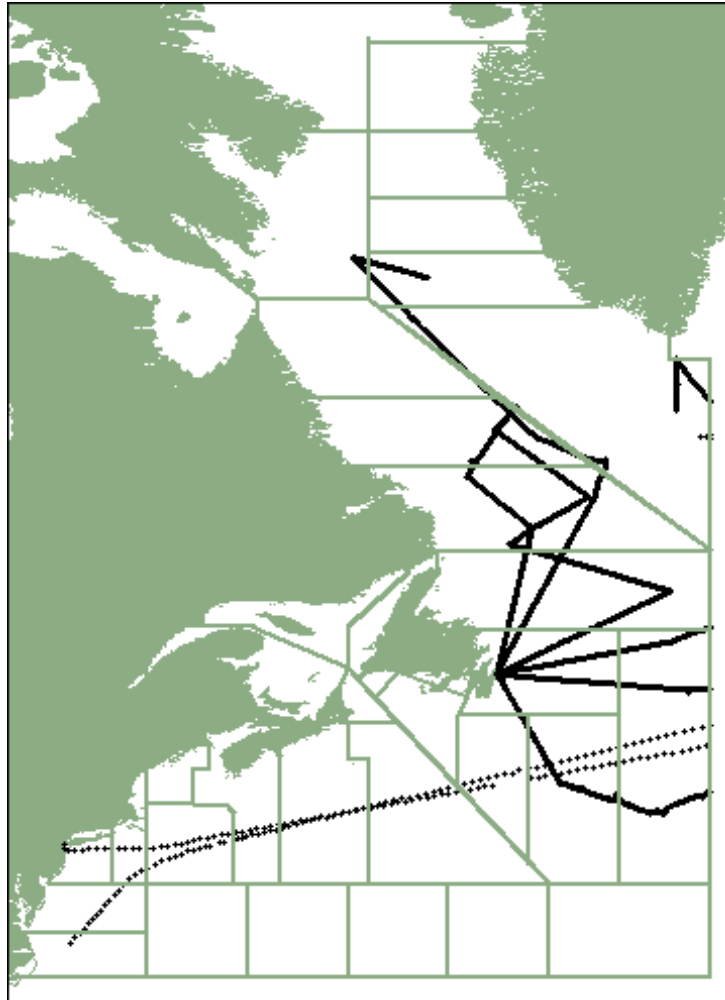
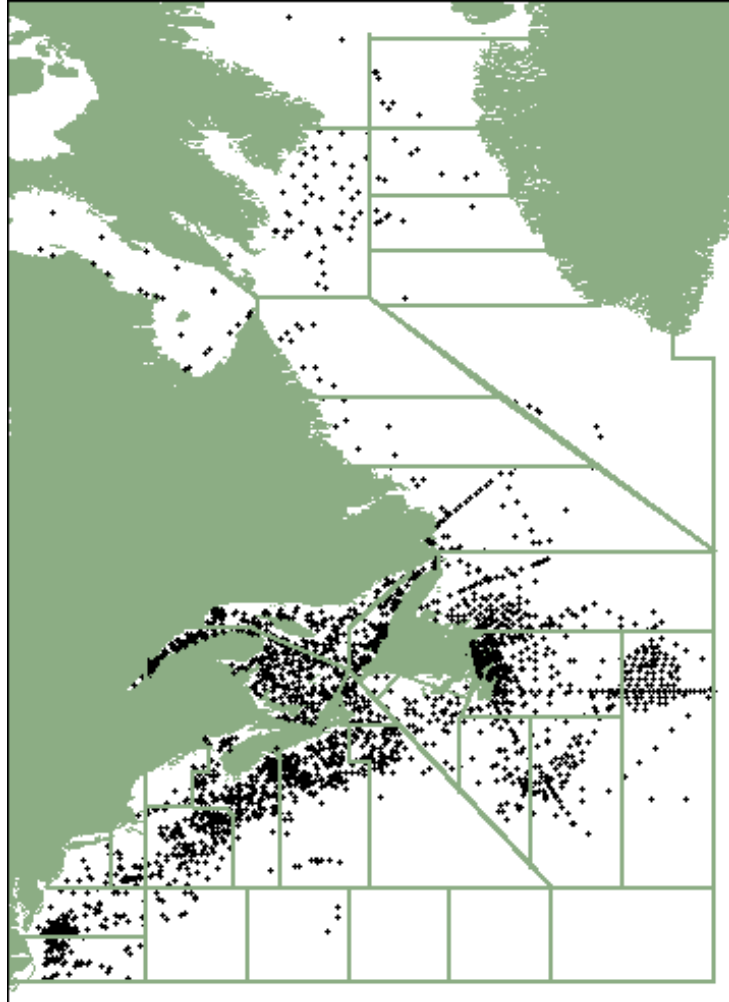
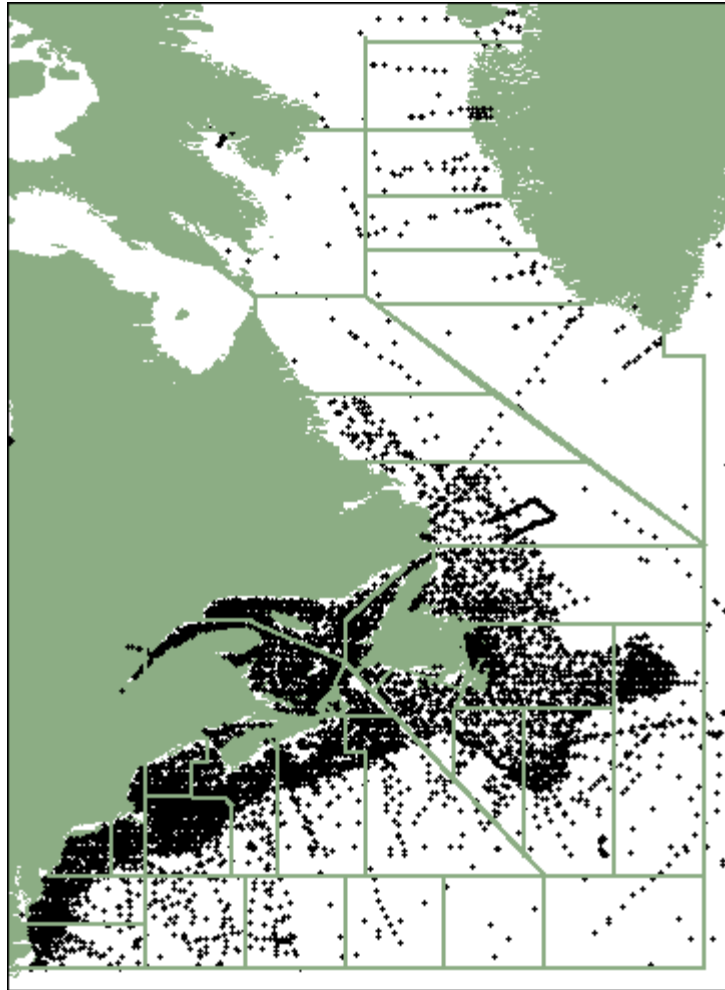


Figure 5: Delayed-mode profile data collected and processed in 2005
Total = 4203 Stations



**Figure 6: Delayed mode profile stations collected before 2005 and processed in 2005.
Total = 15295 Stations**



Drifting Buoy Data

The following inventory and map summarize MEDS drifting buoy data collected and processed in 2005 for the NAFO area:

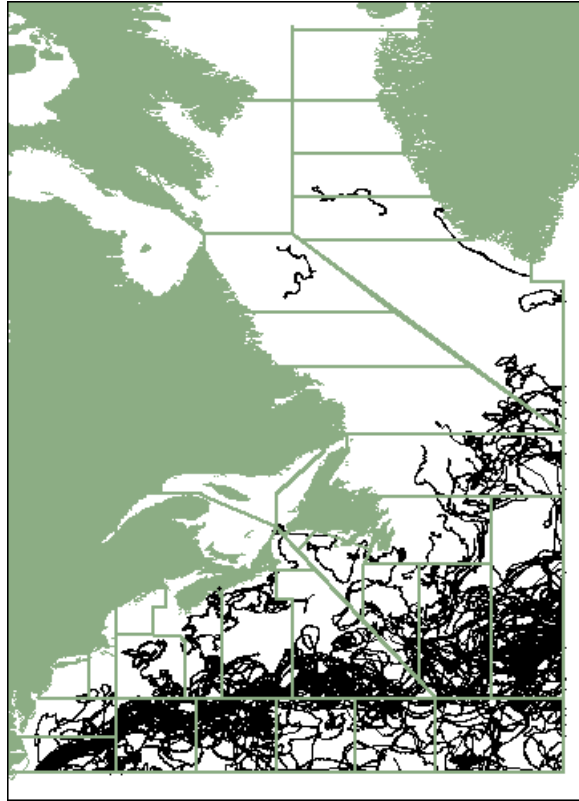
- **Table 5, Fig 7: Drifting Buoys in the NAFO Area in 2005 TOTAL = 176748 messages**

Drifting buoy data are received at MEDS via the GTS. Quality control techniques are much the same as those for the ocean profile data. Drifting buoys report via satellite, at rates of up to every 15 minutes. These messages are checked for format errors, and reformatted for quality control procedures and subsequent archival. Range checks, flags and possible corrections to the data are carried out by trained personnel, using a system of MEDS software, which organize, analyze and display plots of the data. Quality checks use algorithms which check drifting speed and position, and ranges of sea surface temperatures and sea level pressure. The range checks include a comparison to NOAA's Asheville SST Climatology (2.5x2.5 degrees and monthly). Duplicates are checked, which is important for discriminating between data received directly from buoys and messages routed through other data centers. Lower quality data (which are this type of duplicate) are flagged as such.

MEDS drifting buoy archive contains over 42 million records for the world's oceans, from 1978 to present, and is currently growing at a rate of one million messages per month. A drifting buoy message is comprised of the buoy

position and one or more of the following parameters: surface and subsurface water temperature, air pressure and temperature, wind speed and direction.

Figure 7: Drifting Buoy messages 2005
Total = 176748 Messages



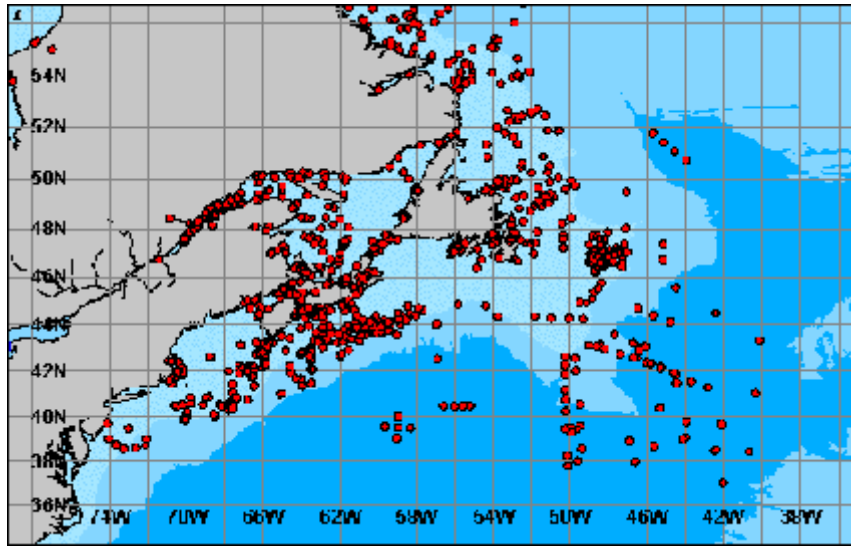
Current Meter Data

The following inventory summarizes current meter data collections in 2005 in the NAFO area:

- **Table 6a: Current meter data recovered in 2005**
- **Table 6b: Current meter data recovered in 2005 and not yet processed**
- **Table 6c: Current meters deployed in 2005 and not yet recovered**

Current meters have been deployed in the NAFO area for many years. These data are processed and archived at The Bedford Institute of Oceanography (BIO), Dartmouth, Nova Scotia and are available online at: www.mar.dfo-mpo.gc.ca/science/ocean/home.html.

Figure 8: East Coast Current Meter Moorings



Wave Data

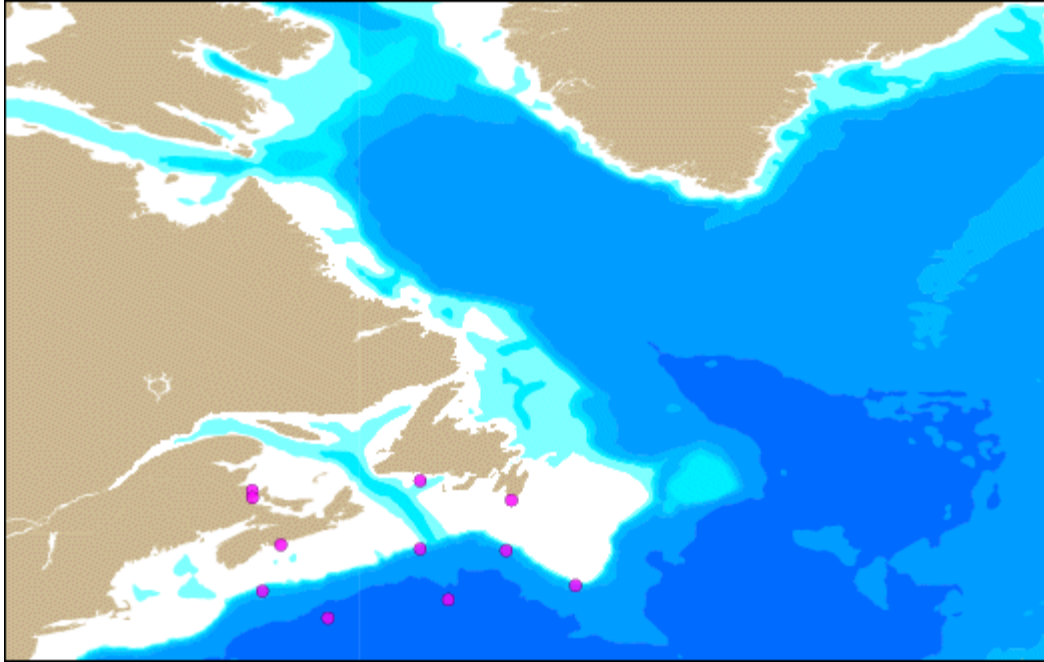
The following map displays where MEDS wave data were collected in 2005:

- **Figure 9: Wave Buoys in the NAFO Area in 2005 TOTAL = 8 Stations**

MEDS continued to process and archive operational surface wave data on a daily basis around Canada. One-dimensional and directional wave spectra, calculated variables such as the significant wave height and peak period, concurrent wind observations if reported, and the raw digital time series of water surface elevations are stored. The data are quality controlled with a visual inspection and with MEDS software to set flags on data showing instrument failures.

All real-time and historical wave data are now made available on-line from MEDS web site:
www.meds-sdmm.dfo-mpo.gc.ca/meds/Databases/WAVE/WAVE_e.htm

Figure 9: Wave Buoys in the NAFO Area in 2005
Total = 11 stations



Tide and Water level Data

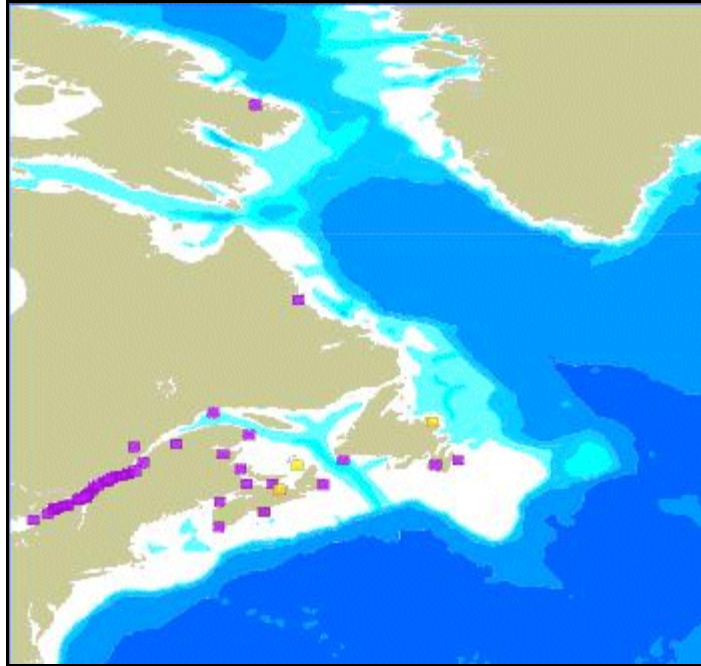
The following map displays where MEDS tide and water level data were collected from:

- **Figure 10: Tide and water level data in the NAFO Area in 2005 TOTAL = 27 Stations**

Yellow blocks indicate temporary gauges, purple indicates permanent.

MEDS continued to process and archive operational tides and water level data that were reported on a daily to monthly basis from the Canadian water level network. MEDS archived observed heights with up to a 3-minute sampling interval, hourly heights and monthly instantaneous extremes collected around Canada. Approximately 370,000 new readings were updated every month from the network with the increase in sampling interval. The historical tides and water level data archives presently hold over 30 million records with the earliest dating back before the turn of the century. The data is quality controlled using MEDS software and is available for download from MEDS web site: www.meds-sdmm.dfo-mpo.gc.ca/meds/Databases/TWL/TWL_e.htm.

Figure 10: Tide and water level data in the NAFO Area in 2005
Total = 27 stations



References

List of NAFO Standard Oceanographic Sections and Stations. The reprint of NAFO SCR DOC., NO. 1, Serial N1432, 9p. Printed and distributed by: NAFO, P.O. Box 638, Dartmouth, Nova Scotia, Canada B2Y 3Y9.

Table 1: Real Time data received during 2005
Total = 74136 stations

<i>SHIP NAME</i>	<i>COUNTRY</i>	<i>CALL SIGN</i>	<i>CRUISE PERIOD</i>	<i>BATHY</i>	<i>TESAC</i>	<i>NAFO Subarea</i>
BUOYN NORTHEAST CHANNEL	USA	44024 05	Aug-11 - Aug-29	0	411	4X
			Sep-08 - Dec 29	0	2515	4X
BUOY	USA	44029 05	Jan-01 - Jan-31	0	627	5ZW
			Apr-29 - Apr-29	0	2	5ZW
			May-05 - Aug-29	0	2521	5ZW
			Sep-08 - Dec 29	0	2573	5ZW
			Jan-01 - Jan-17	0	333	5ZW
			Apr-29 - Aug-04	0	2143	5ZW
			Aug-11 - Aug-15	0	98	5ZW
			Aug-25 - Aug-29	0	97	5ZW
			Sep-08 - Dec 29	0	2532	5ZW
			Jan-01 - Aug-29	0	5575	5ZW
			Sep-08 - Dec 29	0	2552	5ZW
			Jan-01 - Aug-29	0	4405	5Y
			Sep-08 - Dec 29	0	2552	5Y
			Jan-01 - May-31	0	3523	5Y
			Jun-10 - Aug-29	0	1668	5Y
			Sep-08 - Dec 29	0	2564	5Y
			Jan-01 - Jan-20	0	365	5Y
			Feb-02 - Feb-20	0	410	5Y
			Mar-02 - Aug-29	0	3834	5Y
			Sep-08 - Dec 29	0	2564	5Y
			Jan-01 - Aug-29	0	5603	4X
			Sep-08 - Dec 29	0	2552	4X
			Jan-01 - Apr-13	0	566	5Y
			May-18 - May-28	0	75	5Y
			Jun-11 - Jun-16	0	14	5Y

			Jun-22 - Jun-22	0	1	5Y
			Jul-02 - Jul-07	0	3	5Y
			Aug-03 - Aug-03	0	1	5Y
			Aug-21 - Aug-29	0	93	5Y
			Sep-08 - Dec 29	0	2408	5Y
			Jan-01 - Jan-20	0	319	4X
			Jan-30 - Aug-29	0	4466	4X
			Sep-08 - Dec 29	0	2512	4X
PROFILE FLOAT	GERMANY	69024 05	Feb-25 - Feb-25	0	1	6H
			Mar-12 - Mar-12	0	1	6H
			Mar-27 - Mar-27	0	1	6H
			Jul-10 - Jul-10	0	1	6H
			Jul-25 - Jul-25	0	1	6H
			Aug-09 - Aug-09	0	1	6H
			Nov-07 - Nov-07	0	1	6H
			Nov-22 - Nov-22	0	1	6H
			Mar-25 - Mar-25	0	1	3M
			Apr-09 - Apr-09	0	1	3M
			Apr-24 - Apr-24	0	1	3M
OPILO	CANADA	CFD257605	Jun-01 - Jun-01	0	1	4T
			Jun-15 - Jun-15	0	1	4T
PANDALUS	CANADA	CFD470305	Jan-25 - Jan-25	0	1	4X
			Feb-14 - Feb-14	0	1	4X
			Mar-15 - Mar-15	0	1	4X
			May-03 - May-03	0	1	4X
			May-16 - May-16	0	1	4X
			Jun-17 - Jun-17	0	1	4X
			Jul-15 - Jul-15	0	1	4X
			Aug-12 - Aug-12	0	1	4X
			Sep-16 - Sep-16	0	1	4X

			Oct-13 - Oct-13	0	1	4X
			Nov-14 - Nov-14	0	1	4X
			Dec 15 - Dec 15	0	1	4X
SAMBRO	CANADA	CG2613 05	Apr-27 - Apr-27	0	1	4W
			May-31 - May-31	0	1	4W
			Aug-17 - Aug-17	0	1	4W
			Oct-05 - Oct-05	0	1	4W
SHAMOOK	CANADA	CG2676 05	Jan-05 - Jan-05	0	1	3L
			Jan-12 - Jan-24	6	40	3L
			Jan-31 - Feb-04	3	7	3L
			May-06 - May-22	0	18	3L
			Jun-16 - Jun-30	0	34	3K,3L
			Jul-16 - Aug-11	0	67	3L
			Aug-23 - Aug-24	0	2	3L
			Sep-21 - Oct-18	0	51	3L
			Nov-23 - Dec 04	0	47	3L
ALFRED NEEDLER	CANADA	CG2683 05	Mar-16 - Mar-21	0	26	4W
			Apr-01 - Apr-10	0	39	4R,4VN,4VS,4W,4X
			Apr-20 - Apr-30	5	78	3O,3PS
			Jun-29 - Jun-29	0	1	4W
			Oct-04 - Oct-14	0	6	4W
			Oct-22 - Nov-17	4	94	3L,3N
SARCELLE	CANADA	CG3125 05	Aug-15 - Aug-26	0	19	4T
BELUGA	CANADA	CG3161 05	May-19 - May-19	0	1	4T
			May-25 - May-25	0	1	4T
			Jun-01 - Jun-01	0	1	4T
			Jun-09 - Jun-09	0	1	4T
			Jun-15 - Jun-15	0	1	4T
			Jun-23 - Jun-23	0	1	4T
			Jun-29 - Jun-29	0	1	4T

			Jul-07 - Jul-07	0	1	4T
			Jul-13 - Jul-13	0	1	4T
			Jul-21 - Jul-21	0	1	4T
			Jul-28 - Aug-02	0	2	4T
			Aug-10 - Aug-10	0	1	4T
			Aug-18 - Aug-18	0	1	4T
			Aug-25 - Aug-25	0	1	4T
			Sep-09 - Sep-13	0	2	4T
			Sep-22 - Sep-22	0	1	4T
			Sep-28 - Sep-28	0	1	4T
			Oct-11 - Oct-11	0	1	4T
			Oct-31 - Oct-31	0	1	4T
			Nov-15 - Nov-15	0	1	4T
NSC CALANUS II	CANADA	CG3187 05	May-03 - May-09	0	10	4S
			Jun-02 - Jun-10	0	19	4S,4T
			Jul-15 - Jul-20	0	24	4T
ANN HARVEY	CANADA	CGAH 05	Mar-07 - Mar-08	8	0	3K,3L
			Mar-20 - Mar-20	2	0	4R
			Mar-25 - Mar-26	4	0	3K,3L
HMCS HALIFAX	CANADA	CGAP 05	May-22 - May-22	1	0	6C
			Aug-24 - Aug-24	1	0	3N
TELEOST	CANADA	CGCB 05	Jan-08 - Jan-11	1	20	3K,3L
			Feb-10 - Feb-10	0	1	3L
			Feb-19 - Mar-16	0	76	4VS,4W,4X,5ZE
			Apr-30 - Jun-23	80	187	3K,3L,3N,3O,4R,4S, 4T,4VN
			Jul-31 - Aug-29	0	192	4R,4S,4T,4VN
			Sep-07 - Sep-26	0	139	4T,4VN
			Oct-06 - Oct-23	1	44	3L,3N,3O
			Nov-27 - Dec 04	1	60	2J
MARTHA L. BLACK	CANADA	CGCC 05	Oct-28 - Oct-28	0	2	4S,4T

HUDSON	CANADA	CGDG 05	May-18 - Jun-17	0	68	1F,2H,2J,3K,3L,4W, 4X,5ZE
			Jun-30 - Jul-04	0	18	3L
			Oct-17 - Nov-01	0	41	4R,4VN,4VS,4W,4X
			Nov-07 - Nov-20	0	109	4R,4S,4T,4VN
			Nov-28 - Dec 12	13	107	3K,3L,3M,3N,3O
W. TEMPLEMAN	CANADA	CGDV 05	Jan-21 - Feb-02	2	19	3K,3L
			Apr-16 - May-27	8	281	3L,3N,3O,3PS,3PN,4R
			Jun-05 - Jul-04	10	181	3L,3N
			Jul-09 - Aug-28	31	215	2J,3K,3L,3M,3PS
			Sep-05 - Sep-09	0	4	3L,3PS
			Sep-15 - Sep-15	1	0	3L
			Sep-20 - Nov-10	17	198	1F,2J,3K,3L,3N,3O,3PS
			Nov-16 - Dec 17	7	157	2J,3K,3L,3N
CCGS DES GROSELLIER S	CANADA	CGDX 05	Feb-04 - Feb-05	0	3	4S,4T
MONCTON	CANADA	CGJC 05	Jun-14 - Jun-14	1	0	6A
EDWARD CORNWALLIS	CANADA	CGJV 05	Mar-12 - Mar-12	0	2	4S,4T
			Mar-24 - Mar-24	0	2	4S,4T
DUCKPIER NC	USA	DUCN7 05	Jan-01 - Jun-12	0	3707	6C
			Aug-11 - Oct-14	0	1451	6C
CAP SAN ANTONIO	LIBERIA	ELZU6 05	Jan-10 - Jan-10	4	0	6B,6C
			Mar-08 - Mar-08	3	0	6B,6C
			Apr-21 - Apr-23	3	0	6B,6D
			Jun-04 - Jun-04	4	0	6B,6C
			Aug-26 - Aug-26	1	0	6B
			Oct-09 - Oct-09	3	0	6B,6D
			Nov-20 - Nov-20	4	0	6B,6D
THALASSA	FRANCE	FNFP 05	Jun-15 - Jul-03	0	91	0B,1E,1F,2G,2H,2J,3M
			Jul-10 - Jul-10	0	11	3M
			Jul-18 - Aug-05	0	63	1F,2H,2J,3M,3N,3O
SEALAND EXPRESS	USA	KGJD 05	Feb-22 - Feb-22	1	0	6D

SEALAND LIBERATOR	USA	KHRP 05	Jul-18 - Jul-19	4	0	6D,6E
			Sep-01 - Sep-02	6	0	5ZW,6D,6E
HORIZON HAWAII	USA	KIRF 05	Feb-10 - Feb-12	2	0	6C
			Feb-24 - Feb-25	2	0	6B,6C
			Mar-10 - Mar-12	3	0	6B,6C
			May-13 - May-13	1	0	6C
			Jun-16 - Jun-18	4	0	6B,6C
			Jun-24 - Jun-24	1	0	6C
			Jun-30 - Jun-30	1	0	6B
			Aug-13 - Aug-13	2	0	6B,6C
			Aug-25 - Aug-28	37	0	6A,6B,6C
			Sep-08 - Sep-10	2	0	6B,6C
			Sep-22 - Sep-22	2	0	6B,6C
			Oct-06 - Oct-06	1	0	6B
			Oct-22 - Oct-22	2	0	6B,6C
			Nov-03 - Nov-03	1	0	6B
			Nov-17 - Nov-17	2	0	6B,6C
			Dec 29 - Dec 31	2	0	6B,6C
USS MITSCHER	USA	NMTR 05	May-18 - May-21	4	0	3M,3N,4VS,4W
USS SAMUEL B. ROBERTS	USA	NSBR 05	Apr-11 - Apr-11	2	0	6C
OLEANDER	NETHERLAN D	PJU 05	Mar-11 - Mar-12	18	0	6A,6B
			Apr-08 - Apr-13	16	0	6A,6B,6D
			May-13 - May-19	20	0	6A,6B,6D
			Jun-03 - Jun-04	10	0	6A,6B
			Sep-10 - Sep-10	1	0	6A
			Sep-17 - Sep-18	13	0	6A,6B,6D
			Oct-14 - Oct-19	27	0	6A,6B,6D
			Nov-04 - Nov-05	6	0	6A
			Dec 03 - Dec 06	6	0	6A,6D

PROFILE FLOAT	USA	Q190003905	Jan-01 - Dec 30	0	1439	0B,1D,E,1F, 2G,2H , 2J, 3L, 3K,3M, 3N ,3O , 3PS, 4VS, 4W , 4X ,5ZE, 5ZW , 6B ,6C, 6D, 6E, 6F .6G, 6H
UNKNOWN/ INCONNU	UNKNOWN/I N	SHIP 05	Jan-05 - Feb-14	143	0	3L,3N,3O,3PS,3PN,4R, 4T,4VN,4VS,4W,4X,5Y, 5ZE,5
			Feb-24 - Feb-25	5	0	4W,4X,6E
			Mar-04 - Mar-24	34	69	4R,4S,4T,4VS,4W,4X, 5ZE,6B,6C,6D,6F,6G,6H
			Mar-30 - Oct-02	686	333	0A,0B,1B,1C,1D,1E, 1F,2G,2H,2J,3K,3L,3M,3N,3O,
			Oct-12 - Dec 17	216	0	3L,3M,3N,3O,3PS,3PN, 4VN,4VS,4W,4X,5Y,5ZE,5ZW,
		V7FS 05	Dec 29 - Dec 29	1	0	4X
RICKERS GENOA	MARSHALL I	V7FS3 05	Jan-01 - Jan-04	40	0	3M,3N,3O,4VS,4W,4X,5ZE
			Dec 28 - Dec 31	29	0	3M,3N,3O,4VS,4W,4X,5ZE
SEA-LAND LIBERATOR	MARSHALL I	V7IQ2 05	Oct-28 - Oct-28	5	5	5ZW,6D
ENDEAVOR	USA	WAUW 05	Jan-19 - Jan-19	1	0	6H
			Feb-18 - Feb-19	2	0	4X,6F
			Apr-01 - Apr-03	4	0	6D,6E
			May-12 - May-13	3	0	6D,6F,6G
			Jun-13 - Jun-13	1	0	6D
ENTERPRISE	USA	WAUY 05	Jan-14 - Jan-17	11	0	4X,6E,6F,6G,6H
			Feb-28 - Mar-01	6	0	6E,6F,6G
			Apr-09 - Apr-11	8	0	4W,4X,5ZE,6F,6G,6H
			May-20 - May-20	2	0	6H
			May-31 - Jun-02	5	0	6F,6G,6H
			Jun-29 - Jul-01	6	0	3M,4VS,4W,4X,5ZE
			Jul-11 - Jul-11	1	0	6F
			Aug-20 - Aug-23	7	0	3M,3N,4VS,4W,6C,6D
			Sep-22 - Sep-24	6	0	6D,6E,6F,6G
			Sep-30 - Oct-03	6	0	6C,6D,6E,6H
			Dec 17 - Dec 19	3	0	3M,4VS,4X
UNKNOWN/ INCONNU	USA	WCAH 05	May-06 - May-06	1	0	6D
			Jun-20 - Jun-20	1	0	4X

		WLMG 05	Jun-27 - Jun-27	1	0	6C
DELAWARE BAY	USA	WMLG 05	Jan-21 - Jan-25	7	0	6C,6G,6H
			Mar-04 - Mar-08	7	0	5ZE,6E,6F,6G,6H
			Apr-16 - Apr-18	5	0	4VS,4W,4X,5ZE
			May-25 - May-25	1	0	6H
			Jun-05 - Jun-07	4	0	4VS,6G,6H
			Jul-07 - Jul-08	3	0	6E,6F,6H
			Jul-16 - Jul-19	7	0	3M,3N,4VS,6D
			Aug-16 - Aug-18	2	0	6E,6H
			Aug-29 - Aug-30	3	0	6G,6H
			Sep-29 - Oct-01	4	0	3N,4VS,4W
			Oct-09 - Oct-11	5	0	6C,6D,6E,6G,6H
			Nov-10 - Nov-12	5	0	6E,6F,6G,6H
			Nov-22 - Nov-23	3	0	6F,6G
			Dec 25 - Dec 26	2	0	6G,6H
TMM SINALOA	BERMUDA	ZCDJ6 05	Jul-03 - Jul-03	3	0	6H
			Aug-18 - Aug-19	4	0	6H
			Sep-30 - Oct-01	3	0	6H

Table 2: TRACKOB data received during 2005
Total = 31878 stations

SHIP NAME	COUNTRY	CALL SIGN	CRUISE PERIOD	TRACKOB	NAFO Subarea
SEEFALKE	GERMANY	DBFO 05	Aug-29 - Aug-29	12	1F
		FNFP C05	Jun-15 - Jun-25	9297	0B,1E,1F,2G,2H,2J,3K,3L,3M
			Jul-02 - Jul-03	1437	1F
			Jul-09 - Jul-10	717	3K,3M
		FNFP D05	Jul-10 - Jul-12	1740	3L,3M
			Jul-17 - Aug-05	18132	1F,2H,2J,3K,3L,3M,3N,3O
FALSTAFF	SWEDEN	SLCO 05	Jul-18 - Jul-22	264	3M,3N,3O,4VS,4W,4X,5ZE,5ZW,6A
			Dec 01 - Dec 04	279	3M,3N,3O,3PS,4VS,4W,4X,5ZE,5ZW,6B,6C

Table 3: Delayed mode data received during 2005
Total = 4203 stations

COUNTRY	CRUISE NUM	CRUISE PERIOD	BT	CTD	BOTTLE	NAFO Subarea
CANADA	181C05588	Jan-21 - Jan-26	2	1	0	3K,3L
		Feb-02 - Feb-02	0	2	0	3L
CANADA	181C05617	Apr-16 - Apr-22	3	1	1	3L,3PS
		Apr-27 - Apr-29	3	0	0	3PS
CANADA	181C05618	May-12 - May-12	0	1	1	3L
CANADA	181C05619	May-14 - May-17	2	1	1	3L,3O
		May-23 - May-27	1	1	1	3L,3N
CANADA	181C05620	Jun-05 - Jun-10	4	2	2	3L,3N
CANADA	181C05621	Jun-11 - Jun-11	1	1	1	3L
		Jun-17 - Jun-21	3	0	0	3L
		Jun-29 - Jun-29	2	1	1	3L
CANADA	181C05622	Jul-03 - Jul-04	0	4	0	3L
CANADA	181C05623	Jul-10 - Jul-11	2	0	0	3L
CANADA	181C05624	Jul-17 - Aug-03	30	117	92	2J,3K,3L,3M
CANADA	181C05625	Aug-06 - Aug-23	0	71	2	3K,3L
CANADA	181C05626	Sep-15 - Sep-15	1	0	0	3L
CANADA	181C05627	Oct-03 - Oct-03	0	1	1	3L
		Oct-13 - Oct-13	1	0	0	3L
CANADA	181C05628	Oct-15 - Oct-21	3	1	2	3L,3N,3O
		Oct-26 - Oct-26	0	1	1	3L
CANADA	181C05629	Oct-29 - Nov-01	1	1	1	3L
		Nov-06 - Nov-10	3	1	1	3L,3O
CANADA	181C05630	Nov-15 - Nov-22	3	0	0	3L
CANADA	181C05631	Nov-29 - Dec 02	2	0	0	2J,3K
CANADA	181C05632	Dec 08 - Dec 14	3	1	1	3K,3L
CANADA	181C05634	Aug-26 - Aug-28	0	2	1	3L,3PS
CANADA	181C05654	Sep-05 - Sep-09	0	4	1	3L,3PS
CANADA	181C05655	Sep-20 - Sep-29	11	2	1	1F,2J,3K,3L
CANADA	182S05041	Aug-15 - Aug-26	0	20	0	4T
CANADA	189005001	Feb-04 - Feb-05	0	3	2	4S,4T
		Mar-12 - Mar-12	0	2	2	4S,4T
		Mar-24 - Mar-24	0	2	2	4S,4T
		Aug-18 - Aug-21	0	2	2	4S,4T
		Oct-28 - Oct-28	0	2	2	4S,4T
CANADA	18AH05001	Jan-26 - Jan-26	5	0	0	4W
CANADA	18AH05002	Jan-31 - Feb-03	11	0	0	4W,4X
CANADA	18AH05003	Feb-13 - Feb-14	4	0	0	6C,6D
		Mar-08 - Mar-10	5	0	0	5ZE,6B,6C
CANADA	18AH05004	Mar-30 - Mar-31	2	0	0	4W,4X
CANADA	18AH05005	Apr-13 - Apr-18	10	0	0	4X
CANADA	18AH05006	May-15 - Jun-07	54	0	0	4W,4X,5ZE,5ZW,6B,6C
CANADA	18AH05007	Sep-07 - Sep-09	7	0	0	4X,5ZE,6B,6C,6D
CANADA	18AV05004	Mar-07 - Mar-08	8	0	0	3K,3L
		Mar-20 - Mar-20	2	0	0	4R
		Mar-25 - Mar-26	5	0	0	3K,3L
CANADA	18BG05031	May-19 - May-19	0	1	1	4T
		May-25 - May-25	0	1	1	4T
		Jun-01 - Jun-01	0	1	1	4T
		Jun-09 - Jun-09	0	1	1	4T
		Jun-15 - Jun-15	0	1	1	4T
		Jun-23 - Jun-23	0	1	1	4T
		Jun-29 - Jun-29	0	1	1	4T
		Jul-07 - Jul-07	0	1	1	4T
		Jul-13 - Jul-13	0	1	1	4T
		Jul-21 - Jul-21	0	1	1	4T
		Jul-28 - Aug-02	0	2	2	4T

		Aug-10 - Aug-10	0	1	1	4T
		Aug-18 - Aug-18	0	1	1	4T
		Aug-25 - Aug-25	0	1	1	4T
		Sep-09 - Sep-13	0	2	2	4T
		Sep-22 - Sep-22	0	1	1	4T
		Sep-28 - Sep-28	0	1	1	4T
		Oct-11 - Oct-11	0	1	1	4T
		Oct-31 - Oct-31	0	1	1	4T
		Nov-15 - Nov-15	0	1	0	4T
CANADA	18C805001	Jan-10 - Jan-27	44	0	0	3L,3N,3O,3PS,4VS,4W
CANADA	18CN05010	May-03 - May-09	0	10	0	4S
CANADA	18CN05013	Jun-02 - Jun-10	0	19	0	4S,4T
CANADA	18CN05017	Jul-15 - Jul-20	0	24	0	4T
CANADA	18FN05001	Feb-22 - Feb-25	7	0	0	4W,4X,6E
		Mar-04 - Mar-04	1	0	0	4X
CANADA	18FN05002	Apr-26 - Apr-27	6	0	0	4X,5Y
CANADA	18FN05003	Jun-14 - Jun-30	48	0	0	4X,5ZE,5ZW,6B,6D
CANADA	18FN05004	Jul-18 - Jul-20	9	0	0	4X,5Y
CANADA	18FN05005	Aug-18 - Sep-16	74	0	0	0A,0B,1B,1C,1D,1E,1F, 2G,2H,2J,3K,3L,3N,3O, 3PS,4VS,4W
CANADA	18FN05006	Nov-06 - Nov-09	11	0	0	4X,5Y,5ZE,5ZW
CANADA	18FN05007	Nov-14 - Nov-26	47	0	0	4X,5Y,5ZE,5ZW,6A,6B,6C
CANADA	18FN05008	Dec 02 - Dec 12	31	0	0	3L,3N,3O,3PS,3PN,4VN, 4VS,4W
CANADA	18GC05001	Aug-03 - Aug-04	5	0	0	3L,3PS,4VS,4W
		Aug-30 - Sep-07	17	0	0	2G,2H,2J,3K,3L,3PS, 4VS,4W
CANADA	18GC05002	Nov-21 - Nov-21	2	0	0	6B
		Nov-30 - Nov-30	1	0	0	4X
		Dec 07 - Dec 07	1	0	0	4VN
CANADA	18GS05001	Feb-01 - Feb-01	2	0	0	4X
		Feb-12 - Feb-14	4	0	0	4X,5ZE,5ZW,6A
CANADA	18GS05002	May-19 - May-24	4	0	0	3L,4W
CANADA	18HE05002	Mar-07 - Mar-19	0	69	69	4R,4S,4T
CANADA	18HL05001	Jan-31 - Feb-10	19	0	0	4X,5Y,5ZW,6A,6B,6C
		Mar-04 - Mar-04	2	0	0	6C
CANADA	18HL05002	May-02 - May-05	7	0	0	4X
CANADA	18HL05003	May-17 - May-27	19	0	0	4X,5ZE,6B,6C
		Jun-02 - Jun-02	2	0	0	4X,5ZE
CANADA	18HL05004	Aug-10 - Aug-10	2	0	0	4X
CANADA	18HL05005	Aug-23 - Aug-25	10	0	0	3L,3M,3N,3O,3PS,4VS,4W
		Dec 16 - Dec 17	3	0	0	3M,3N
CANADA	18HU05021	Jun-13 - Jun-17	0	0	7	4W,4X,5ZE
CANADA	18HU05071	Nov-07 - Nov-20	0	109	79	4R,4S,4T,4VN
CANADA	18HU05656	Nov-28 - Dec 12	13	107	92	3K,3L,3M,3N,3O
CANADA	18IS05001	Oct-19 - Oct-21	5	0	0	4W,4X
CANADA	18IS05002	Oct-26 - Nov-03	13	0	0	4W,4X,5Y,5ZE
CANADA	18MP05001	Jan-13 - Jan-15	8	0	0	3L,3O,3PS,4VS,4W
CANADA	18MP05002	Oct-11 - Oct-13	4	0	0	4X
		Oct-19 - Oct-27	16	0	0	6B,6C
		Nov-04 - Nov-08	12	0	0	4W,4X
CANADA	18MP05003	Nov-14 - Nov-25	26	0	0	4X,5Y,5ZE,6B
CANADA	18MP05004	Dec 06 - Dec 06	1	0	0	6C
CANADA	18NE05004	Apr-01 - Apr-10	0	39	39	4R,4VN,4VS,4W,4X
CANADA	18NE05027	Jun-27 - Jul-01	0	0	22	4W
CANADA	18NE05050	Oct-03 - Oct-14	0	7	0	4W
CANADA	18NE05656	Apr-21 - Apr-25	6	0	0	3PS
CANADA	18NE05657	Oct-22 - Oct-28	2	2	2	3L,3N
		Nov-10 - Nov-10	0	1	1	3L
CANADA	18NE05658	Nov-13 - Nov-13	3	0	0	3L

CANADA	18OK05580	Jan-05 - Jan-05	0	1	1	3L
CANADA	18OK05581	Jan-12 - Jan-24	6	41	0	3L
CANADA	18OK05589	Jan-31 - Feb-04	3	7	0	3L
CANADA	18OK05635	May-06 - May-08	0	3	0	3L
CANADA	18OK05637	May-11 - May-22	0	15	0	3L
CANADA	18OK05639	Jun-16 - Jun-26	0	33	0	3L
CANADA	18OK05640	Jun-29 - Jun-30	0	2	0	3K,3L
CANADA	18OK05642	Jul-16 - Jul-29	0	41	0	3L
CANADA	18OK05643	Aug-01 - Aug-11	0	26	0	3L
CANADA	18OK05644	Aug-23 - Aug-24	0	2	2	3L
CANADA	18OK05647	Sep-21 - Oct-02	0	22	0	3L
CANADA	18OK05648	Oct-06 - Oct-18	0	29	0	3L
CANADA	18OK05651	Nov-23 - Dec 04	0	47	0	3L
CANADA	18OP05001	Jun-01 - Jun-01	0	1	1	4T
CANADA	18OP05002	Jun-15 - Jun-15	0	1	1	4T
CANADA	18PA05001	Jan-25 - Jan-25	0	3	1	4X
CANADA	18PA05002	Feb-14 - Feb-14	0	3	1	4X
CANADA	18PA05003	Mar-15 - Mar-15	0	3	1	4X
CANADA	18PA05004	May-03 - May-03	0	3	1	4X
CANADA	18PA05005	May-16 - May-16	0	3	1	4X
CANADA	18PA05006	Jun-15 - Jun-17	0	3	1	4X
CANADA	18PA05007	Jul-15 - Jul-15	0	3	1	4X
CANADA	18PA05008	Aug-12 - Aug-12	0	3	1	4X
CANADA	18PA05009	Sep-16 - Sep-16	0	3	1	4X
CANADA	18PA05010	Oct-13 - Oct-13	0	3	1	4X
CANADA	18PA05011	Nov-14 - Nov-16	0	3	1	4X
CANADA	18PA05012	Dec 15 - Dec 15	0	3	0	4X
CANADA	18S105002	Aug-03 - Aug-10	15	0	0	2G,2H,2J,3K,3L,3PS
CANADA	18S105003	Sep-30 - Sep-30	1	0	0	4W
CANADA	18S105004	Oct-12 - Oct-13	3	0	0	4W,4X
CANADA	18S105005	Oct-24 - Oct-30	19	0	0	4X,5Y,5ZW,6A,6B
		Nov-27 - Nov-29	8	0	0	4X,5Y,5ZE,6A,6B
		Dec 06 - Dec08	6	0	0	3L,3PS,4VN,4W
		Dec 13 - Dec 14	4	0	0	3PS,4VN,4W
CANADA	18S605001	Apr-13 - Apr-19	12	0	0	4W,4X,5Y,5ZE
CANADA	18S605002	May-16 - May-27	35	0	0	4X,5ZE,5ZW,6B,6C
		Jun-01 - Jun-07	22	0	0	4W,4X,5ZE,5ZW,6A
		Jun-12 - Jun-27	32	0	0	3K,3L,3O,3PS,4VS,4W,4X
CANADA	18S905001	Apr-27 - Apr-27	0	1	1	4W
CANADA	18S905002	May-31 - May-31	0	1	1	4W
CANADA	18S905003	Aug-17 - Aug-17	0	1	1	4W
CANADA	18S905004	Oct-05 - Oct-05	0	1	1	4W
CANADA	18TL05035	Jun-09 - Jun-23	0	69	69	4R,4S,4T,4VN
CANADA	18TL05045	Jul-31 - Aug-29	0	190	189	4R,4S,4T,4VN
CANADA	18TL05514	Feb-01 - Feb-01	1	0	0	3L
CANADA	18TL05542	Jan-08 - Jan-08	1	0	0	3L
CANADA	18TL05545	Feb-19 - Mar-04	0	37	99	4W,5ZE
CANADA	18TL05546	Mar-08 - Mar-16	0	1	38	4VS,4W
CANADA	18TL05588	Jan-21 - Jan-21	0	0	1	3L
		Feb-02 - Feb-02	0	0	1	3L
CANADA	18TL05590	Feb-10 - Feb-10	0	1	1	3L
CANADA	18TL05601	Apr-30 - May-09	25	53	53	3K,3L,3N,3O
CANADA	18TL05602	May-12 - May-16	0	27	0	3L
CANADA	18TL05603	May-17 - Jun-04	55	7	1	3K,3L
CANADA	18TL05605	Jul-01 - Jul-12	0	0	79	4W,4X,5Y
CANADA	18TL05607	Sep-07 - Sep-26	0	1	139	4T,4VN
CANADA	18TL05608	Oct-06 - Oct-06	0	1	1	3L
		Oct-14 - Oct-14	0	1	1	3L
CANADA	18TL05609	Oct-19 - Oct-23	1	2	2	3L,3N
CANADA	18TL05611	Nov-15 - Nov-15	1	0	0	3L
CANADA	18TL05612	Nov-27 - Nov-27	1	0	0	2J

CANADA	18TL05633	Jul-13 - Jul-27	0	0	116	4VN,4VS,4W
CANADA	18TR05001	Jan-11 - Jan-27	43	0	0	3L,3N,3O,3PS,3PN,4R, 4T,4VN,4VS,4W
CANADA	18TR05002	Apr-07 - Apr-28	68	0	0	3K,3L,3M,3N,3O,3PS, 4VS,4W
CANADA	18TR05003	Jun-28 - Jun-29	3	0	0	4W,4X
CANADA	18TR05004	Jul-05 - Jul-06	6	0	0	4S,4T,4VN
CANADA	18TR05005	Sep-07 - Sep-09	8	0	0	4X,5ZE,6B,6C,6D
		Sep-25 - Sep-26	7	0	0	5ZE,6B,6C
CANADA	18TR05006	Oct-12 - Oct-13	3	0	0	4W,4X
CANADA	18TR05007	Oct-16 - Oct-25	18	0	0	3L,3PS,4VS,4W,4X
CANADA	18VA05001	May-16 - May-16	0	0	1	4T
CANADA	18VA05002	Oct-05 - Oct-05	0	1	1	4T
CANADA	18VA05018	Jun-02 - Jun-02	0	11	0	2J
CANADA	18VA05041	Jun-14 - Jun-14	0	2	0	4T
		Jun-20 - Jun-30	0	19	0	4T
		Jul-20 - Aug-04	0	39	0	4T
		Aug-12 - Aug-26	0	51	0	4T
		Sep-06 - Sep-15	0	27	0	4T
CANADA	18VA05062	Jul-19 - Jul-21	0	39	0	4R
CANADA	18VA05100	Jul-25 - Jul-29	2	0	0	2G,3L
		Aug-06 - Aug-06	3	0	0	2G
		Aug-13 - Aug-29	45	0	0	0B,1C
CANADA	18VG05041	Jun-29 - Jun-29	0	2	0	4T
		Jul-20 - Jul-21	0	5	0	4T
		Jul-27 - Jul-27	0	1	0	4T
		Aug-03 - Aug-03	0	1	0	4T
		Aug-12 - Aug-12	0	2	0	4T
		Aug-19 - Aug-19	0	3	0	4T
		Aug-25 - Aug-30	0	4	0	4T
		Sep-06 - Sep-08	0	2	0	4T
CANADA	18VQ05001	Jan-31 - Feb-10	24	0	0	4X,5ZE,5ZW,6B,6C
		Mar-08 - Mar-10	8	0	0	5ZE,6B,6C,6D
CANADA	18VQ05002	Apr-25 - Apr-28	6	0	0	4W,4X
CANADA	18VQ05003	May-09 - May-14	22	0	0	4X,5ZE,5ZW,6A, 6B,6C
		May-25 - May-27	10	0	0	6B
		Jun-02 - Jun-07	15	0	0	4W,4X,5ZE,5ZW,6B
CANADA	18VQ05004	Jun-15 - Jun-30	35	0	0	4W,4X,5ZE,6B,6D
CANADA	18VQ05005	Sep-07 - Sep-08	5	0	0	4X,5ZE,6B,6C
		Sep-25 - Sep-26	4	0	0	5ZE,6C
CANADA	18VQ05006	Oct-19 - Oct-29	17	0	0	4X,5ZE,6B,6C
CANADA	18VQ05007	Nov-07 - Nov-07	2	0	0	5ZE,6C
		Nov-21 - Nov-29	12	0	0	5ZE,6B,6C
SPAIN	29VE05001	Jul-04 - Jul-16	0	49	0	3L,3M
		Jul-23 - Jul-27	0	10	0	3M
		Aug-06 - Aug-15	0	13	0	3L,3M

Table 4: Profile data collected prior to 2005 and processed during the past year
Total = 15295

Unique ID	Year	CTD	Towed CTD	BOT	BT	NAFO Subarea
180349104	1949	0	0	12	0	4T
180383601	1983	0	0	9	0	4X
181C03052	2003	0	83	83	0	4T
181C04004	2004	0	34	0	0	4W 5ZE
181C04515	2004	41	0	0	1	3K
181C04523	2004	69	0	0	3	3L 3O 3PS3PN
181C04546	2004	59	0	0	5	3PS3PN 3O 3L
181C04547	2004	96	1	0	4	3O 3N 3L
181C04548	2004	69	1	1	18	3L 3N
181C04549	2004	125	2	2	5	3L 3O 3PS3N
181C04550	2004	0	6	0	0	3PS
181C04551	2004	54	0	0	4	3L
181C04552	2004	0	75	75	38	3L 3M 3K 2J
181C04553	2004	0	54	2	0	3K 3L
181C04557	2004	77	2	1	4	3L 3O 3N
181C04558	2004	83	0	0	6	3N 3L 3O
181C04559	2004	70	0	0	8	3L 3O
181C04587	2004	50	1	0	5	3L
189071023	1971 1972 1973 1974	0	0	75	0	3L
189075013	1975	0	0	17	0	3L
189076013	1976	0	0	20	0	3L
189077927	1977	0	0	23	0	3L
189079026	1979	0	0	18	0	3L
189098001	1998	0	0	14	0	4S 4T
189098011	1998	0	75	0	0	4T
189902001	2002	0	0	1	0	4T
189902002	2002	0	0	1	0	4T
189953168	1953	0	0	10	0	4T
18AH04006	2004	0	0	0	13	4W 4X 4VN
18AH04007	2004	0	0	0	50	4X 5ZE 6B 5ZW 6A 6C
18AH04008	2004	0	0	0	13	4X 4W
18AV04002	2004	0	0	0	19	3L 3K 4R
18BA89003	1988 1989	0	42	0	0	6F 6G 3N 3M 3PS3O
18BB79001	1979	0	0	26	13	4T
18BB80001	1980	0	0	53	54	4T
18BG04012	2004	0	0	19	0	4T
18BG93012	1993	0	0	31	0	4T
18BS78001	1978	0	0	0	97	4T
18BS78002	1978	0	0	0	91	4T
18BS78003	1978	0	0	0	12	4T
18BS78004	1978	0	0	0	4	4T
18BS79002	1979	0	0	54	15	4T
18BS79003	1979	0	0	55	53	4T
18BS79004	1979	0	0	53	52	4T
18BS79006	1979	0	0	38	37	4T
18BS80002	1980	0	0	52	47	4T
18BS80003	1980	0	0	20	18	4T
18BS80004	1980	0	0	51	44	4T
18BS80005	1980	0	0	42	36	4T
18BS80006	1980	0	0	43	38	4T
18BS80007	1980	0	0	44	35	4T
18BS80008	1980	0	0	54	42	4T
18BS80009	1980	0	0	40	32	4T

18BS80011	1980	0	0	12	10	4T
18BW01901	2001	0	3	0	0	4VN
18BW01904	2001	0	67	0	0	4T
18BW04020	2004	0	26	0	0	3PS
18C804005	2004	0	0	0	68	4VN 3PS 3L 3O 3N 4T 4W
18CN91068	1991	0	4	0	0	4S
18CN92038	1992	0	5	0	0	4S
18CN92060	1992	0	2	0	0	4T
18DA79032	1979	0	0	53	49	4T
18EG02001	2002	0	0	1	0	4W
18FC92020	1992	0	28	0	0	4VN
18FC92047	1992	0	35	0	0	4T
18FL91063	1991	0	4	0	0	4T
18FL92046	1992	0	19	0	0	4T
18FL92057	1992	0	13	0	0	4S 4T 4R
18FW00001	2000	0	0	1	0	4W
18GC04007	2004	0	0	0	2	4X
18GC04008	2004	0	0	0	16	6B 6C
18GC04009	2004	0	0	0	8	4VN 3L 3PS 4W 4X
18GP04001	2004	0	0	4	0	4T 4S
18GS04004	2004	0	0	0	5	4R 3PS
18GS04005	2004	0	0	0	11	3PS 4VS 3L 3N 3K 2G 0B 4T
18HE04003	2004	0	0	60	0	4T 4S 4R 4VN
18HL04003	2004	0	0	0	22	4X 4W
18HL04004	2004	0	0	0	10	4W 4X
18HL04005	2004	0	0	0	34	4X 5ZE 6B 6A 5ZW 6C
18HT02059	2002	0	57	0	0	4X
18HT84001	1984	0	0	10	0	4X
18HU00050	2000	0	54	53	0	4W 4X 4VS 4VN 4R 3PS
18HU01009	2001	0	68	0	0	4X 4W 4VS 4VN 4R 4T 3PN 4S 3PS
18HU01061	2001	0	65	0	0	4X 4W 4VS 4VN 4T 4S 4R 3PS
18HU02054	2002	0	15	0	0	4X 3PN 4VS 4W
18HU02064	2002	0	48	0	0	4X 4W 4VS 3PS 4VN
18HU02075	2002	0	30	0	0	2J 2H 1F 4W
18HU03021	2003	0	9	0	0	4X 4W 4VS
18HU03067	2003	0	48	47	0	4W 4X 4VS 3PS 4VN 4T 4S 3PN 4R
18HU03078	2003	0	36	35	0	3O 4VS 3PS 4W 4X
18HU04009	2004	0	75	0	0	4W 4X 4VS 4VN 4R 3PS 3O
18HU04016	2004	0	1	0	0	4W
18HU04055	2004	0	36	9	0	4W 4X 4VS 4VN 4R
18HU04061	2004	0	0	71	0	4VN 4T 4S 4R 4W
18HU04586	2004	0	131	67	16	3L 3O 3N 3M 3K
18HU85018	1985	0	150	0	0	2J
18HU91001	1991	0	0	55	0	6E 4X
18HU93002	1993	0	0	10	0	3M 3N 3O 4VS
18HU98007	1998	0	0	47	0	4X 6E 6F 4VS 6G 3N 3O 3M
18HU98051	1998	0	0	2	0	4S 4T
18HU98053	1998	0	0	22	0	4T 4S 4R
18KS04007	2004	0	0	0	7	3PS
18KS04008	2004	0	0	0	5	4X 5ZW 5Y
18KS04009	2004	0	0	0	4	6B 5ZW 3L 4W
18LH86008	1986	0	100	0	0	4S 4R
18LL87010	1987	0	114	0	0	4S
18LL88020	1988	0	56	0	0	4S
18MA62393	1962	0	0	12	0	4X
18MA63019	1963	0	0	12	0	4X
18MA64025	1964	0	0	12	0	4X
18MA65026	1965	0	0	12	0	4X
18MA71014	1971	0	0	11	0	4X

18MF00015	2000	0	0	45	0	4T 4S 4R
18MF01013	2001	0	0	34	0	4T 4S 4R
18MF01020	2001	0	0	53	0	4T 4S
18MF97031	1997	0	0	43	0	4T 4S 4R
18MF98014	1998	0	0	51	0	4T 4R 4VN 4S
18MF99014	1999	0	0	112	0	4T 4S 4R 4VN
18MF99017	1999	0	0	42	0	4T 4S 4R
18MP04006	2004	0	0	0	57	4R 2J 2H 2G 0B 0A 1E 4S 4T
18NA96013	1996	0	14	0	0	4VN 4W 4T
18NE00031	2000	0	0	120	0	4W 4VS 4VN
18NE01001	2001	0	8	0	0	4VN
18NE01050	2001	0	148	0	0	4T 4VN
18NE02002	2002	0	48	0	0	5ZE 4W
18NE02003	2002	0	121	0	0	4W 4VS 4VN
18NE02062	2002	0	55	0	0	4W
18NE03002	2003	0	36	0	0	4W 5ZE
18NE03003	2003	0	104	0	0	4W 4VS
18NE03036	2003	0	146	0	0	4W 4X 5Y 4VS
18NE03042	2003	0	75	75	0	4W 4VS 4VN
18NE87003	1987	0	78	0	0	4S 4T
18NE90049	1990	0	185	0	0	4T 4S 4R 4VN
18NE91055	1991	0	227	0	0	4VN 4T 4R 4S 3K
18NE92009	1992	0	49	0	0	4R 3PN
18OK04512	2004	0	7	0	9	3L
18OK04560	2004	0	1	0	4	3L
18OK04561	2004	0	48	0	0	3L
18OK04562	2004	0	12	0	0	3L
18OK04563	2004	0	2	1	0	3L
18OK04565	2004	0	26	0	0	3L 3PS
18OK04566	2004	0	1	1	0	3L
18OK04567	2004	0	73	0	0	3L 3PS
18OK04569	2004	0	28	0	0	3L
18OK04570	2004	0	7	1	0	3L 3PS
18OK04571	2004	0	25	0	3	3K
18OK04572	2004	0	1	1	0	3L
18OK04573	2004	0	27	0	0	3L 3PS
18OK04574	2004	0	1	0	0	3L
18OK04575	2004	0	27	0	0	3L
18OK04579	2004	0	51	0	1	3L
18OP02001	2002	0	0	1	0	4T
18OP02002	2002	0	0	1	0	4T
18OP02003	2002	0	0	1	0	4T
18OP03001	2003	0	0	1	0	4T
18OP04001	2004	0	1	1	0	4T
18PA02001	2002	0	0	1	0	4X
18PA02002	2002	0	0	1	0	4X
18PA02003	2002	0	0	1	0	4X
18PA02004	2002	0	0	1	0	4X
18PA02007	2002	0	0	1	0	4X
18PA02010	2002	0	0	1	0	4X
18PA02013	2002	0	0	1	0	4X
18PA02016	2002	0	0	1	0	4X
18PA02017	2002	0	0	1	0	4X
18PA02018	2002	0	0	1	0	4X
18PA02021	2002	0	0	1	0	4X
18PA02022	2002	0	0	1	0	4X
18PA02023	2002	0	0	1	0	4X
18PA02024	2002	0	0	1	0	4X
18PA02025	2002	0	0	1	0	4X
18PA02026	2002	0	0	1	0	4X
18PA02027	2002	0	0	1	0	4X

18P A02028	2002	0	0	1	0	4X
18P A02029	2002	0	0	1	0	4X
18P A02030	2002	0	0	1	0	4X
18P A02031	2002	0	0	1	0	4X
18P A02032	2002	0	0	1	0	4X
18P A03002	2003	0	0	1	0	4X
18P A03003	2003	0	0	1	0	4X
18P A03005	2003	0	0	1	0	4X
18P A03006	2003	0	0	1	0	4X
18P A03007	2003	0	0	1	0	4X
18P A03008	2003	0	0	1	0	4X
18P A03009	2003	0	0	1	0	4X
18P A03010	2003	0	0	1	0	4X
18P A03011	2003	0	0	1	0	4X
18P A03012	2003	0	0	1	0	4X
18P A03013	2003	0	0	1	0	4X
18P A03014	2003	0	0	1	0	4X
18P A03016	2003	0	0	1	0	4X
18P A03017	2003	0	0	1	0	4X
18P A03018	2003	0	0	1	0	4X
18P A03019	2003	0	0	1	0	4X
18P A04001	2004	0	0	1	0	4X
18P A04002	2004	0	0	1	0	4X
18P A04003	2004	0	0	1	0	4X
18P A04004	2004	0	0	1	0	4X
18P A04005	2004	0	0	1	0	4X
18P A04006	2004	0	0	1	0	4X
18P A04007	2004	0	0	1	0	4X
18P A04008	2004	0	0	1	0	4X
18P A04009	2004	0	0	1	0	4X
18P A04010	2004	0	0	1	0	4X
18P A04011	2004	0	3	1	0	4X
18P A04012	2004	0	3	0	0	4X
18PE8 1001	1981	0	0	0	19	4T
18PE8 1002	1981	0	0	0	33	4S 4T
18PN30027	1930	0	0	6	0	4X
18PN3 1028	1931	0	0	3	0	4X
18PN35054	1935	0	0	2	0	4VN
18P Y02002	2002	0	0	1	0	4T
18P Y02003	2002	0	0	1	0	4T
18P Y02004	2002	0	0	1	0	4T
18P Y02005	2002	0	0	1	0	4T
18P Y02006	2002	0	0	1	0	4T
18P Y02007	2002	0	0	1	0	4T
18P Y02008	2002	0	0	1	0	4T
18P Y02009	2002	0	0	1	0	4T
18P Y02010	2002	0	0	1	0	4T
18P Y02011	2002	0	0	1	0	4T
18P Y03001	2003	0	0	1	0	4T
18P Y03002	2003	0	0	1	0	4T
18P Y03003	2003	0	0	1	0	4T
18P Y03004	2003	0	0	1	0	4T
18P Y03005	2003	0	0	1	0	4T
18P Y03006	2003	0	0	1	0	4T
18P Y03007	2003	0	0	1	0	4T
18P Z00001	2000	0	0	1	0	4W
18P Z00002	2000	0	0	66	0	4W 4X 4VS 4VN 3PS4R
18P Z00666	2000	0	0	1	0	4W
18P Z9 3032	1993	0	123	0	0	4W 4X
18RD99039	1999	0	87	0	0	0A 1A 0B
18S604007	2004	0	0	0	17	4X 4W 4VS 3PS 3O 3L 3M

18S604008	2004	0	0	0	47	4X 5Y 5ZW 6B 6A 6C 5ZE
18S900004	2000	0	0	2	0	4W
18S902001	2002	0	0	1	0	4W
18S902002	2002	0	0	1	0	4W
18S902003	2002	0	0	1	0	4W
18S902004	2002	0	0	1	0	4W
18S902005	2002	0	0	1	0	4W
18S902006	2002	0	0	1	0	4W
18S902007	2002	0	0	1	0	4W
18S902008	2002	0	0	1	0	4W
18S903001	2003	0	0	1	0	4W
18S903002	2003	0	1	1	0	4W
18S903003	2003	0	1	1	0	4W
18S904001	2004	0	1	1	0	4W
18S904002	2004	0	0	1	0	4W
18S904003	2004	0	0	1	0	4W
18S904004	2004	0	0	1	0	4W
18S904005	2004	0	1	1	0	4W
18S904006	2004	0	0	1	0	4W
18S904007	2004	0	0	1	0	4W
18SV56035	1956	0	0	72	0	4X 5ZE 4W 4VS 4VN 4R 4S 4T
18SV58319	1958	0	0	42	0	5ZE 6D 6F 6G 4W 4VS 4VN 3N 3M 3L 3K 2J 1F 1D 1C 0A 0B 2H
18SV64003	1964	0	0	7	0	4W 4X
18TL04021	2004	0	0	76	0	4T 4S 4R 4VN
18TL04033	2004	0	137	136	0	4S 4T 4R 4VN
18TL04474	2004	9	22	1	0	3O 3L 3K
18TL04513	2004	93	2	2	1	3L 3K 3M 3N
18TL04514	2004	73	0	0	10	3L 3K 2J
18TL04520	2004	0	25	2	0	3L 3PS
18TL04522	2004	63	1	0	6	3L 3PS
18TL04524	2004	0	100	77	27	3L 3O 3N 3M 3K 2J
18TL04525	2004	1	1	2	1	3L 3PS
18TL04526	2004	36	18	3	66	3L 3K 3N 3O
18TL04529	2004	0	82	81	0	4W 4X 5Y 5ZE
18TL04530	2004	0	113	0	0	4W 4VS 4VN
18TL04534	2004	0	172	172	0	4T 4VN
18TL04536	2004	21	1	0	3	3L 2J 2H
18TL04537	2004	71	1	0	22	3L 2H 2G 2J
18TL04538	2004	41	0	0	5	2J
18TL04539	2004	83	0	0	10	3K 2J 3L
18TL04540	2004	37	1	0	0	3L 3K
18TL04541	2004	46	1	1	1	3K 3L
18TR04002	2004	0	0	0	7	4X 4W
18TR04003	2004	0	0	0	69	4X 5ZE 5ZW 5Y 6B 6A 6C
18VA02914	2002	0	3	0	0	4X
18VA02918	2002	0	6	0	0	4X
18VA03006	2003	0	0	1	0	4T
18VA03007	2003	0	0	1	0	4T
18VA03008	2003	0	0	1	0	4W
18VA04001	2004	0	0	1	0	4W
18VA04002	2004	0	0	1	0	4T
18VA04003	2004	0	0	1	0	4T
18VA04004	2004	0	0	1	0	4T
18VA04005	2004	0	0	1	0	3L
18VA04012	2004	0	7	0	0	2J
18VA04013	2004	0	13	0	0	2J
18VA04014	2004	0	12	0	0	2J
18VA04015	2004	0	11	0	0	2J
18VA04016	2004	0	10	0	0	2J

18VA04025	2004	0	0	0	35	3O 3N 3L
18VA04043	2004	0	1	0	0	3L
18VA04900	2004	0	1	0	0	3L
18VA80010	1980	0	0	0	14	4T 4S
18VA90009	1990	0	24	0	0	4VN 4R
18VQ04005	2004	0	0	0	103	4W 6E 6C 6B 5ZW 5Y 4X 4VS 4VN 4T 4S 5ZE 6D 3PS 3L 3K 1F
18WA02001	2002	0	0	1	0	4W
18WA02002	2002	0	0	1	0	4W
18WA02916	2002	0	7	0	0	4W 4X
18ZS36058	1936	0	0	64	0	4W 4X 1F
26A203001	2003	0	47	0	0	1F 1E 1D 1C 1B
26A204001	2004	0	10	0	0	1F 1E
26A302001	2002	0	34	0	0	1B 1C 1D 1E 1F
26DA00300	1966	0	0	17	0	1D 1C 1B
26DA00800	1971	0	0	4	0	1D
26PA01001	2001	0	10	0	0	1A
26PA02001	2002	0	34	0	0	1B 1A
26PA03001	2003	0	41	0	0	1B 1A
26PA04001	2004	0	37	0	0	1B 1A
26PA04002	2004	0	24	0	0	1A 0A
26TU00001	2000	0	30	0	0	1F 1E 1D 1C 1B
26TU01001	2001	0	30	0	0	1F 1E 1D 1C 1B
26TU04001	2004	0	15	0	0	1B 1C 1D
299902001	2002	0	122	0	0	3M 3L
29CS01001	2001	0	119	0	0	3M 3L
29VE03001	2003	0	106	0	0	3N 3O
29VE03002	2003	0	4	0	0	3L
29VE03003	2003	0	19	0	0	3M 3L
29VE04001	2004	0	113	0	0	3L 3M
31 07200	1953	0	0	5	0	6C 5Y
315M02340	1950	0	0	1	0	6B
316G04004	2004	0	15	0	0	6A 6B 5ZW
316G04005	2004	0	36	0	0	5ZE 5ZW 5Y
316G04012	2004	0	34	0	0	6A
316G04013	2004	0	97	0	0	5Y 5ZW 4X 5ZE
316G04015	2004	0	4	0	0	5ZE
316G20190	1972	0	0	4	0	6D 5ZE
316G29630	1978	0	0	132	0	6C 6B 6A 5ZW 5ZE 5Y
31A404001	2004	0	10	0	0	5ZE 5Y 4X
31A404002	2004	0	137	0	0	6A 6B 6C 5ZW 5ZE
31A404003	2004	0	328	0	0	6B 6C 6A 5ZW 5ZE 4X 5Y
31A404004	2004	0	112	0	0	5ZE
31A404005	2004	0	157	0	0	6B 6A 6C 5ZW 5ZE 5Y 4X
31A404006	2004	0	178	0	0	5ZW 6A 6B 6C 5ZE
31A404008	2004	0	163	0	0	6B 6A 6C 5ZW 5ZE 5Y 4X
31A404009	2004	0	324	0	0	6C 6B 6A 5ZW 5ZE 4X 5Y
31A404010	2004	0	158	0	0	6B 6A 6C 5ZW 5ZE 5Y 4X
31A421600	1973	0	0	1	0	6C
31A421880	1973	0	0	10	0	5ZW 6A 6C
31A428740	1975	0	0	12	0	5Y 5ZE 4X 5ZW
31A428750	1976	0	0	1	0	5ZE
31AN02470	1965	0	0	1	0	6H
31AN02500	1966	0	0	34	0	6D 6E
31AN02510	1964	0	0	54	0	3N 3M 6H 2J 3K
31AN15870	1969	0	0	1	0	6A

31AT03020	1931 1932 1933 1934 1935 1936	0	0	1253	0	6H 6G 6F 4VS 4X 5ZW 6A 6B 6C 6E 6D 5ZE 5Y 3M 3N 4W 3O 3PS
31CF04290	1959 1960 1961 1962 1963 1964	0	0	129	0	5ZW 6B 6A 6D 6C 4X 5ZE 4W 5Y
31CF06230	1957	0	0	17	0	5ZE 4W 4X 4VS 3N 3M
31CI02070	1959	0	0	5	0	6B 5ZW 6A
31EV08490	1958	0	0	36	0	3O 3N 3M
31FP72090	1965 1966 1967	0	0	18	0	6B
31IN72120	1967	0	0	7	0	6B
31KY25350	1971	0	0	15	0	6A
31RE72100	1965 1966	0	0	195	0	6B
31SP14720	1952	0	0	5	0	3M 3N 4VS 4W
31TG04540	1954	0	0	1	0	6C
31TG04700	1954	0	0	1	0	6C
31TR25390	1971	0	0	2	0	6C
33EN04095	2000 2004	0	58	0	0	5ZE 6D 6B 6A 5ZW
58GS00920	1962	0	0	32	0	3M 3L 5ZE 4X 5Y 5ZW 4W 4VS 3PS
74CZ02070	1972	0	0	29	0	3M 3L 3N
74DS06220	1957	0	0	13	0	3N 3M
90P372010	1972 1973	0	0	81	0	1F 2J 2G 1D 0B 1C 1B 1E 3K 3L

Table 5: Drifting Buoy data received during 2005
Total Messages = 176748

BUOY	DATE RANGE			DAYS	SST	AP	AT	WS	WD	TC	NAFO Subarea
26504	Sep-09	-	Sep-12	3	-	-	-	-	-	-	4X
31903	Jan-01	-	Feb-03	34	X	X	-	-	-	-	6H
41540	Jan-01	-	Dec 24	358	X	X	X	X	X	-	6H,3M,3N
41553	Jan-01	-	Jan-03	3	X	X	-	-	-	-	6G
41555	Jul-19	-	Nov-19	123	X	X	-	-	-	-	6C,6B,6D,6E,4W,4VS,6F,6G,6H,3N
41557	Jul-29	-	Oct-31	95	X	X	-	-	-	-	6C,6D,6E,6F
41558	Jul-27	-	Dec 31	158	X	X	-	-	-	-	6C,6B,6D,6E,4W,4VS,3O,3N,3M
41561	Jul-28	-	Dec 31	157	X	X	-	-	-	-	6C,6B,6D,6E,4W,6F,4VS,3O,3N,3M,6H
41562	Sep-11	-	Nov-29	80	X	X	-	-	-	-	6C,6B,6D,5ZE,6E,4X,4W
41563	Jul-26	-	Dec 31	159	X	X	-	-	-	-	6C,6D,6E,4W,4VS,6F,6G,3N,6H
41564	Jun-30	-	Jul-18	19	X	X	-	-	-	-	6C,6B,6D,6E,4W,4VS
41565	Jun-09	-	Oct-31	145	-	-	-	-	-	-	6C,6B,6D,6E,6F
41566	Sep-19	-	Oct-15	27	X	X	-	-	-	-	6D,6C
41567	Jul-20	-	Dec 04	138	X	X	-	-	-	-	6C,6D,6E,4W,4VS,6F,6G,6H,3N,3M
41568	Jul-23	-	Dec 31	162	X	X	-	-	-	-	6C,6D,6E,4W,4VS,6F,6G,6H,3N
41575	Nov-13	-	Dec 31	49	X	X	-	-	-	-	6C,6D
41576	Dec 02	-	Dec 31	30	X	X	-	-	-	-	6H
41579	Oct-15	-	Nov-14	31	X	X	-	-	-	-	6H
41591	Dec 20	-	Dec 31	12	X	X	-	-	-	-	6G,6H
41592	Oct-15	-	Dec 31	78	X	X	-	-	-	-	6C,6D,6E
41600	Jan-01	-	Jan-08	8	X	X	X	-	-	-	6H
41611	Oct-09	-	Oct-18	9	-	-	-	-	-	-	6C
41614	Oct-04	-	Dec 31	89	X	X	-	-	-	-	6C,6B,6D,6E,4X,4W,6F,6G,4VS,3N,6H
41616	Dec 15	-	Dec 31	17	X	X	-	-	-	-	6C,6B,6D,6E
41617	Oct-29	-	Dec 31	64	-	-	-	-	-	-	6C,6D,6E,6F
41621	Sep-02	-	Dec 31	121	X	X	-	-	-	-	6C,6B,6D,6E,4W,4VS,6F,6G
41623	Jan-01	-	Jun-29	180	-	-	-	-	-	-	3O,3N,6H,3M
41676	Nov-23	-	Dec 05	12	X	X	-	-	-	-	6F
41677	Nov-23	-	Dec 31	39	X	X	-	-	-	-	6F,6E
41679	Dec 20	-	Dec 31	12	X	X	-	-	-	-	6H
41854	Jul-05	-	Dec 31	180	-	-	-	-	-	-	6C,6B,6D,5ZW,6A,5ZE,6E,4X,4W,6F,4VS,6G,6H,3N
41855	Sep-07	-	Dec 31	116	X	X	-	-	-	-	6E,6D,4X,4W,4VS,6G,3O,3N
41902	Sep-07	-	Nov-13	68	X	X	-	-	-	-	6E,4W,4VS,6F,6G,3O,3N,6H
41904	Sep-07	-	Oct-20	43	X	X	-	-	-	-	6E,4W,4VS,6F,6G,3N,6H
41907	Aug-03	-	Sep-11	39	X	X	-	-	-	-	6H
41909	Oct-12	-	Oct-14	3	X	X	-	-	-	-	6C
41912	Oct-06	-	Oct-15	10	X	X	-	-	-	-	6D
41913	Apr-27	-	Jun-23	57	X	X	-	-	-	-	6E,4W,4VS,6G,3N,3M
41914	Apr-27	-	Dec 31	249	X	X	-	-	-	-	6B,5ZW,6C,6D,5ZE,6E,4W,4X,4VS,6F,6G,3O,3N,3M
41920	Nov-05	-	Nov-16	12	X	X	-	-	-	-	6C,6B,6D,5ZE
41931	Jan-25	-	Dec 31	341	-	X	-	X	X	-	6C,6D,6B,5ZE,6E,4X,4W,6F,4VS,3O,3N,6H,3M
41939	Jan-01	-	Dec 31	365	X	X	-	X	X	-	6D,6E,6F,6G,6H,4X,4W,4VS
42535	Nov-05	-	Dec 31	57	-	X	-	-	-	-	6C,6B,6D,6E,4X,4W,6F
42538	Oct-27	-	Oct-28	2	X	X	-	-	-	-	6C

42539	Nov-03	-	Dec 31	59	X	X	-	-	-	-	6C,6B,6D,6E,6F
42540	Nov-13	-	Dec 31	49	X	X	-	-	-	-	6C,6B,6D,5ZE,4X,4W,4VS
42541	Oct-04	-	Dec 31	89	X	X	-	-	-	-	6C,6B,6D,5ZE,6E,4X,4W,4VS,6G,6H
44504	Apr-13	-	Jun-02	51	X	X	-	-	-	-	3L,3N,3M,3K
44505	May-04	-	Nov-16	197	X	X	-	-	-	-	3O,3N,3PS,4VS,3M
44506	May-04	-	Oct-10	160	X	X	-	-	-	-	3L,3O,3PS,4VS
44507	May-04	-	Oct-02	151	X	X	-	-	-	-	3L,3N,3O
44508	May-04	-	Oct-02	152	X	X	-	-	-	-	3K,3L,3M,2J
44509	Jun-01	-	Oct-12	134	X	X	-	-	-	-	3N,3M,3O
44512	Mar-28	-	Aug-04	129	X	X	-	-	-	-	3K,3L,3N,3M
44550	Jan-01	-	Jan-13	13	X	X	X	-	-	-	3K
44601	Jan-01	-	Jun-21	172	X	X	X	-	-	-	3N,3M,1F,2J,3K
44607	Jan-01	-	May-17	137	X	X	X	-	-	-	4W,4VS,3N,3O,3M
44608	Jan-01	-	May-28	148	X	X	X	-	-	-	4VS,3O,3N,3M,6H
44609	Feb-07	-	Apr-20	72	X	X	X	-	-	-	3M,3K,2J,1F
44615	Feb-11	-	Sep-25	227	X	X	X	-	-	-	3L,3N,3M
44635	Apr-25	-	Dec 31	251	X	X	X	-	-	-	3O,4VS,3N
44636	Jun-17	-	Dec 31	198	X	X	X	-	-	-	4VS,4W
44637	Jun-17	-	Dec 31	198	X	X	X	-	-	-	4VS,4W,4X
44721	Jan-01	-	Jan-08	8	X	X	X	-	-	-	2J,1F
44722	Jan-01	-	Feb-17	48	X	X	X	-	-	-	3N,3M
44723	Jul-24	-	Dec 02	132	X	X	X	-	-	-	1F
44725	Jan-01	-	Dec 04	338	X	X	X	-	-	-	3K,2J,1F
44726	Jan-13	-	Sep-24	255	X	X	X	-	-	-	3L,3M,3K,2J
44727	Mar-06	-	Mar-10	5	X	X	X	-	-	-	3M,3K
44728	Feb-11	-	Apr-20	69	X	X	X	-	-	-	3L,3N,3M
44729	Mar-29	-	Dec 31	278	X	X	X	-	-	-	3L,3PS,3PN,4R,4VN,4T,4S,4VS,4W
44742	Nov-16	-	Dec 31	46	X	X	X	-	-	-	1F,2J
44746	Dec 19	-	Dec 31	13	-	X	X	-	-	-	3N
44747	Dec 19	-	Dec 22	4	X	X	X	-	-	-	3M
44760	Sep-22	-	Dec 31	101	X	X	X	-	-	-	3K,2J,3L,3M
44761	Sep-21	-	Dec 31	102	X	X	X	-	-	-	3K,3L,3N,3M
44831	Jun-19	-	Aug-10	53	X	X	X	-	-	-	3K,2J,1F
44833	Jun-19	-	Aug-26	69	X	X	X	-	-	-	4W,4X
44839	Aug-20	-	Sep-11	22	-	-	-	-	-	-	6H
44845	Apr-25	-	Nov-30	220	-	X	X	-	-	-	3L,3N,3O,3M
44847	Apr-25	-	May-26	31	X	X	X	-	-	-	3M
44848	Apr-25	-	Jun-20	57	X	X	X	-	-	-	3M
44849	Jul-21	-	Dec 31	164	-	X	X	-	-	-	3N,3M,4VS,6G,6H
44901	Jul-25	-	Dec 31	160	-	X	X	-	-	-	3M,6H
44902	Aug-18	-	Dec 31	136	X	X	-	-	-	-	5ZE,6D,6E,4W,6F,4VS,6G
44903	Sep-18	-	Dec 31	105	-	X	X	-	-	-	4X,5ZE,4W,4VS
44905	Sep-29	-	Dec 17	79	X	X	-	-	-	-	6F,4VS,3N,3O,3M
44907	Oct-03	-	Dec 31	90	-	-	-	-	-	-	3M,6H
44908	Dec 01	-	Dec 31	31	X	X	-	-	-	-	3N,3O,3M
44910	Dec 20	-	Dec 31	12	X	X	-	-	-	-	3N,6H,3M
44911	Dec 20	-	Dec 31	12	X	X	-	-	-	-	6H
47555	Nov-08	-	Dec 31	54	-	X	-	-	-	-	0A

48536	Mar-13	-	Mar-16	3	-	X	-	-	-	-	6B
53550	Mar-24	-	Mar-29	6	-	-	-	-	-	-	4X
62514	Feb-07	-	Feb-07	1	X	X	X	-	-	-	4X
64524	Jan-01	-	Feb-11	42	X	X	X	-	-	-	1E,1D
64608	Jan-01	-	Mar-06	65	X	X	X	-	-	-	2G
64609	Sep-03	-	Dec 21	110	X	X	X	-	-	-	1F,1E

Table 6a: Current data recovered and processed in 2005

Latitude	Longitude	Sounding Depth (meters)	Instrument Depth (meters)	Start Date	End Date	Serial Number	Mooring Number
55.1179	54.0879	1029	1011	May 20/04	June 2/05	Aanderaa #9328	1514
66.6921	60.7805	450	250	Sept. 27/04	Sept. 8/05	Aanderaa #217	UW Mooring C1
66.7611	60.7805	450	250 500	Sept. 27/04	Sept. 8/05	Aanderaa #1607 #3299	UW Mooring C2
66.8569	59.0614	1042	504 204	Sept. 23/04	Sept. 7/05	Aanderaa #4154 #4349	UW Mooring C3
66.9814	57.6853	870	500 200	Sept. 26/04	Sept. 7/05	Aanderaa #4602 #7525	UW Mooring C4
67.0360	57.0383	700	500 200	Sept. 24/04	Sept. 7/05	Aanderaa #5002 #9607	UW Mooring C5

Table 6b: Current data recovered 2005 and not yet processed

Latitude	Longitude	Sounding Depth (meters)	Instrument Depth (meters)	Start Date	End Date	Serial Number	Mooring Number
46.9963	47.0371	1125	99	June 2/04	May 21/05	RDI Adcp # 0505	1508
46.9986	47.2859	400	68 75 300 150 375	June 1/04	May 21/05	RDI Adcp # 3469 Aanderaa # 5574 # 6403 # 4355 # 4603	1507
46.9963	47.0371	1125	105 305 505 805 1100	June 2/04	May 21/05	Aanderaa # 7595 # 4350 # 1951 # 4600 # 4195	1508
48.5388	47.6903	2251	221	June 4/04	May 22/05	RDI Adcp # 3367	1517
49.2969	48.3162	2255	225	June 5/04	May 22/05	RDI Adcp # 1646	1519
48.2007	47.8871	1545	145 370 720 1120 1520	June 3/04	May 23/05	Aanderaa # 7650 # 5032 # 7134 # 5578 RDI Adcp # 265	1515

48.3290	47.8085	1927	702 1502 1902	June 3/04	May 23/05	Aanderaa # 6409 # 5577 # 1039	1516
48.5388	47.6903	2251	351 701 1101	June 4/04	May 22/05	Aanderaa # 3306 # 225 # 786	1517
48.5388	47.6903	2251	1501 1901 2226	June 4/04	May 22/05	Aanderaa # 6402 # 2663 # 5567	1517
48.8321	47.4544	2502	2227 2477	June 4/04	May 22/05	Aanderaa # 3584 # 376	1518
49.2969	48.3162	2255	355 705 1105 1505 1905 2230	June 5/04	May 22/05	Aanderaa # 7122 # 4208 # 4406 # 5569 # 7013 # 392	1519

Table 6c: Current Meters Deployed 2005 and not yet recovered

Deployment Date/Location	Instrument Type	Number of Instruments	Projected Recovery Date
May 2005 Orphan Basin	Aanderaa RCM8	11	May 2006
	Aanderaa RCM11	8	
	RDI Adcp	1	
	LR Adcp	1	
May 2005 Labrador Sea	Aanderaa RCM8	1	May 2006
Sept 2005 Davis Strait	Aanderaa RCM8	10	Nov. 2006
	RDI Adcp	2	
	LR Adcp	1	
Oct. 2005 SW Nova	Aanderaa RCM8	1	Oct. 2006
	Aanderaa RCM11	1	
July 2005 Barrow Strait	RDI Adcp	4	Dec. 2006
	LR Adcp	1	
May 2005 Orphan Basin	Aanderaa RCM8	11	May 2006
	Aanderaa RCM11	8	
	RDI Adcp	1	
	LR Adcp	1	
May 2005 Labrador Sea	Aanderaa RCM8	1	May 2006