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A REPORT OF DATA COLLECTED AND PUBLICATIONS RESULTING FROM THE RESEARCH CRUISES OF THE GERONIMO AND UNDAUNTED IN THE TROPICAL ATLANTIC OCEAN, 1963-1969

Joseph E. Tashiro

December 1980

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
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A Report of Data Collected and Publications Resulting from the Research Cruises of The Geronimo and Undaunted in the Tropical Atlantic Ocean, 1963-1969.

Joseph E. Tashiro

Introduction

The research vessels Geronimo and Undaunted, based in Miami, Florida between 1963 and 1970, were used to conduct fishery and oceanographic investigations in the tropical Atlantic Ocean. During 27 research cruises the two vessels logged over 1,500 days and 200,000 miles. The staff of the Miami Laboratory [1/] frequently receives inquiries for information concerning these cruises. Most inquiries are for station data-- the dates, times, and geographic positions of each observation and collection. This report was compiled to help answer these inquiries and to provide researchers with a reference to station data of Geronimo and Undaunted cruises. Additional data may be obtained from Environmental Data and Information Service [2/].

Cruises by each vessel are listed chronologically in Table 1, and the general geographic areas of cruises are shown in Figures 1, and 2. Station data for cruises are listed in Appendix 1, and publications based on, or mentioning Geronimo or Undaunted data are shown in Appendix 2. No station data were found for seven vessel and equipment test cruises.

1/ Southeast Fisheries Center, Miami Laboratory, National Marine Fisheries Service, NOAA, Miami, FL 33149. Formerly the Bureau of Commercial Fisheries (BCF), Tropical Atlantic Biological Laboratory (TABL), Miami, Florida and the BCF Biological Laboratory, Washington, DC.

2/ NOAA, Environmental Data and Information Service, Washington, DC 20235.

Research Vessels and Cruises

The descriptions of the research vessels Geronimo and Undaunted and summaries of their major cruises and missions are found in a report by Weeks (1970). The following are selected excerpts.

"The two BCF vessels assigned to investigations of the tropical Atlantic Ocean--the Undaunted and the Geronimo--have logged, in total time and distance, 1,557 days and about 200,000 miles on 27 research cruises.

The Geronimo was commissioned as a BCF research vessel in 1963 and worked for the tropical Atlantic program out of Washington, D.C., then Miami, from that year until mid-1966, when she was transferred to the BCF Biological Laboratory at Galveston, Tex. The vessel spent 657 days at sea and traveled about 85,000 miles on eight cruises in the tropical Atlantic.

Originally commissioned in 1944 as an ATA-class (seagoing) Navy tug, the Undaunted was converted to a BCF research vessel in 1965. The Undaunted is 143 feet long, with a 34-foot beam and a 12-foot draft; speed is 10 to 12 knots, and cruising range is about 5,000 miles. The ship is equipped for live-bait fishing and for bottom and upper-level trawling, as well as for oceanographic observations at varying depths. She carries an STD (salinity-temperature-depth) system (2,187-fathom capability) for measuring characteristics of sea water, a 25-channel data acquisition system, and an automatic picture-transmission receiver for use with space satellites on broad scale oceanography. Aboard the vessel are: laboratories for chemical analysis, general biology, and electronic equipment; a live-bait tank capable of holding 2,000 pounds of fish; and two single sideband radio transmitters for contact with the home laboratory's radio station and for rapid transmission of data from ship to shore. Quarters include six state rooms for scientists and nine cabins for crew members--total accomodations for 25 people.

By mid-1969, the Undaunted had spent almost 900 days at sea and traveled 115,000 miles on 19 research cruises for TABL and for 4 other laboratories. She has touched ports in Bermuda and the Bahamas, in many Caribbean areas, in South America, Africa, and in the Pacific. Almost all of 1968 was spent in waters off west Africa on two cruises; in spring of 1969 the Undaunted joined the BOMEX (Barbados Oceanographic and Meterological Expedition) flotilla in the West Indies to participate in the 2-month environmental study of air-sea interaction in cooperation with a number of other Government agencies.

The following condensed cruise reports portray the wide variety of data gathered on laboratory cruises. Minor shakedown or equipment testing cruises are not listed.

GE (Geronimo)[3/] Cruise 2, July - October 1963.--Participant in Equalant II expedition to the Gulf of Guinea, off western Africa. Oceanographic and biological stations were occupied offshore from Cape Three Points (Ghana) south to the mouth of the Congo River. In cooperation with the Guinean Trawling Survey, the ship trawled the bottom on the Continental Shelf between Cape Lopez and Pointe Noire. It searched for pelagic fish along the Continental Shelf between Cape Three Points, Ghana, and Cape Palmas, Liberia; scattered schools of small yellowfin tuna were seen but abundance was not great. A seamount was discovered at lat 14° 38'S, long 5° 13' E , and its height was 1,300 fathoms above the ocean floor and 1,000 fathoms beneath the surface. For the first time oceanographic data were transmitted via Syncom satellite to the NODC (National Oceanographic Data Center), Washington, D.C., as a means of measuring quality control, and corrections were received by the vessel within 45 minutes.

3/ The first 6 cruises of the Geronimo were for BCF Biological Laboratory, Washington, D.C., which later became TABL.

GE Cruise 3, January-May 1964.--Participant in Equalant III to the Gulf of Guinea. Tuna schools found near Cape Palmas and Cape Three Points were judged to be associated with interaction between the easterly flowing Guinea Current and the configuration of the two cape areas. Physicochemical observations included 120 hydrographic casts to 547 fathoms: 73 observations of primary productivity and zooplankton biomass were made; a variety of methods was used to take 391 biological samplings; fish were caught and sampled from 47 schools of surface-swimming yellowfin and skipjack tunas. Sea birds were collected for the U.S. National Museum. Records were kept of bathymetric and meterological conditions.

GE Cruise 4, July-November 1964.--Gulf of Guinea. Two separate tuna surveys were undertaken but, because the "cold" season was underway in the Gulf, fish sightings (baitfish and tuna) were sparse. Only 51 schools of tuna were seen, from which 147 fish were sampled. Ocean current measurements were taken, including consistent observations of the Guinea Undercurrent flowing beneath the Guinea Current; 44 plankton tows were made--in one series, well over one thousand scombrid juveniles and larvae were taken per tow. Enroute to West Africa, personnel took productivity and bacteriological samples in the Sargasso Sea. Bathymetric and meterological observations were made. Field training of technical personnel and testing of new equipment were accomplished during the cruise.

GE Cruise 5, January-May 1965.--Gulf of Guinea. Two tuna surveys were made, the first off the coast of Sierra Leone and Liberia, the second south of Ghana and Togo. Skipjack and small yellowfin tunas were caught and sampled from 16 of 84 schools sighted on the first survey, and from 23 of 137 schools observed on the second survey. Direct current measurement and a survey of

oscillations in the Atlantic equatorial undercurrent were undertaken. Environmental studies sought to determine the relation between concentrations of tuna and the Mauritanian to Sierra Leone oceanic front--seemingly the boundary between cold, recently upwelled water to the north and warmer water to the south--previously detected off the coast from Senegal to Liberia. Bathymetric and meteorological records were kept.

GE Cruise 6, July-November 1965.--Western Atlantic Ocean adjacent to Lesser Antilles and the Caribbean Sea. Stocks of surface tunas and other pelagic predators, and baitfish for tuna fishing were the objects of the research. Abundant quantities of herring, sardines, and anchovies were seen along the southeastern coast of the United States, around Puerto Rico south to Trinidad and Venezuela, and in other coastal regions of the Caribbean. The thread herring proved the hardiest of the baitfishes caught. Forty-four tuna schools were sighted, from which 48 fish -yellowfin, skipjack, blackfin, and little tuna were caught. Though few surface shcools of tuna in commercial quantity were sighted, two incidents were noteworthy: While running through the New Providence Channel in the Bahamas, the vessel passed through what appeared to be an enormous concentration of large fish (judged by sounds made as they leaped at the surface) for 2½ hours; and at lat 12°N , long 65°W , big schools of good-sized yellowfin and skipjack tunas were seen in quantities estimated at 80 to 100 tons. Oceanographic observations also were made throughout the cruise.

GE Cruise 7, January-April 1966.--Northeast coast of South American and the eastern Caribbean Sea. Investigation of surface tunas, other pelagic predators, and baitfish formed the major part of the schedule, but an added aspect was the testing of procedures in which uncorrected oceanographic data were sent to shore stations in the United States, processed, and returned to

the vessel. Fishing was poor around Trinidad and Brazil during the first leg of the cruise because of rough weather, but fair to good in the southern Caribbean on the second leg. Two-to three-ton schools of blackfin tuna were sighted near Caracas in late March; waters off Anguilla (the Leeward Islands) had plentiful schools of yellowfin and skipjack tunas. Numerous baleen whales were seen in the same area. To determine time-space changes in distribution of eddies, an intensive grid of bathythermographic, hydrographic, and biological stations was occupied in a 550-square-mile stretch on the western side of the Lesser Antilles. Preliminary analysis of the distribution of temperature suggested that the eddies might be permanent features that act as mechanisms for biological enrichment. Two new duties were added to the ordinary procedures used to collect oceanographic and biological samples--blood samples were taken from 100 tunas for serological analysis at the BCF Biological Laboratory at Honolulu, and tissue samples were collected for study of possible insecticide concentrations at the BCF Biological Laboratory at Gulf Breeze, Fla. The original cruise track was interrupted in April so the Geronimo could join the Undaunted in waters off St. Vincent Island (the Windward Islands), where extremely large schools of tunas had been located.

GE Cruise 8, June 1966.--Off Bimini, the Bahamas. TABL joined with the BCF exploratory base at Pascagoula, the Woods Hole Oceanographic Institution, IMS, and the International Game Fish Association in a cooperative study of bluefin tunas. The study coincided with the 1966 Bluefin Tuna Tournament. Although shortened because of a hurricane threat, the cruise gathered considerable amounts of oceanographic and biological data.

UN (Undaunted) Cruise 2, February-April 1966--Western Atlantic Ocean adjacent to the Lesser Antilles and the Caribbean Sea. Of 44 tuna schools

observed, 18 were fished and 508 fish were brought aboard. The highest percentage of the catch was skipjack tuna, but yellowfin tuna and dolphin were also present. Most of the tuna schools were sighted between the islands of Martinque and Trinidad, and enormous schools of skipjack and yellowfin tunas were seen immediately west of St. Vincent Island. Observers were impressed with the generally large sizes of the fish (10-160 lbs) and of the schools (some estimated at 200-300 tons each), the presence of the schools in a region not generally considered productive, and the fact that the tunas remained for more than a week in the one area. A spotter plane accompanied the Undaunted for a month. Dense schools of small sea-basses (creole-fish) were seen near the tuna schools and also were found in tuna stomachs, and abundant quantities of sardines were sighted. Water properties on the eastern and on the western sides of the Lesser Antilles differed significantly. On the western side of St. Vincent Island, where tunas were schooling, turbulent eddies in the upper 164 fathoms apparently increased the supply of plankton in the upper mixed layer. Forage organisms were collected by net tows and night lights; oceanographic measurements were made to depths of 273 fathoms; and meterological conditions were recorded.

UN Cruise 3, May 1966.--Between Bermuda and Miami. Adults and larvae of midwater fishes were collected, as were specimens of deepsea angler fish.

UN Cruise 4, June 1966.--The Florida Straits off Key West, Fla. Oceanographic investigation was concentrated on efforts to determine whether a turbidity layer 150-ft. thick at depths of 650 to 900 ft. contained iron-bearing constituents. The newly installed salinity-temperature-depth apparatus was studied, calibrated, and tested.

UN Cruise 5, July-November 1966.--The West Indies to coastal waters of Brazil. Added to regular investigations of pelagic and bait-fishes and study of oceanographic features was the collection of fish from previously under-sampled areas of zoogeographic importance.

For a substantial portion of the cruise severe weather impeded investigations, particularly the catching of pelagic fish. Between Trinidad and Rio de Janeiro, only 28 schools ot tuna were sighted, most of them yellowfin and skipjack tunas. Near St. Vincent and St. Lucia Islands, concentrations of skipjack and yellowfin tunas again were seen on the Caribbean side of the islands. Phytoplankton and zooplankton were abundant in the region. Baitfish (sardines and herring) were caught in good quantities at Port of Spain, Trinidad. Numerous marine specimens were gathered near Atol das Rocas and Fernando de Noronha (lat 4° S), including individuals from 26 families, and a new species of pomacentrid fish was discovered among the samples.

UN Cruise 6701,[4/] February-March 1967.--Southern Lesser Antilles (St. Vincent Island area), the north coast of Venezuela, and the southern Bahamas. Sightings of skipjack and yellowfin tunas again were made off St. Vincent Island; schools were estimated to range from 4 to 200 tons each. Baitfish were plentiful at Trinidad--200 scoops (200-300 fish per scoop) of anchovies were taken with little trouble on night-baiting sets--but not abundant in other regions. Several tuna schools were seen in the southern Bahamas, enough to suggest to observers that a commercial resource might exist in the region during early months of the year. About 250 yellowfin, skipjack, and blackfin tunas were caught and sampled.

[4/] Cruise numbering system changed in 1967

UN Cruise 6702, March 1967.-- Florida Straits and Cay Sal (Bahamas) Bank. The brief cruise to collect larval and juvenile fishes was noteworthy because a fish spotter made two air surveys in conjunction with surface studies from the vessel, and because guest biologists from the University of Miami collected reptiles on Elbow Cay, the Bahamas--an unusual activity for a marine research cruise. Observers saw no tunas on the first air survey; on the second flight, they spotted tunas in the southern Bahamas. The herpetologists captured 36 reptiles, mostly lizards.

UN Cruise 6703, March-May 1967.--Western Caribbean between the Yucatan Channel and Colombia. Standard biological and oceanographic investigations were made and the fish fauna in the Gulf of Honduras was investigated by means of bottom trawling, beach seining, and skin diving. Thirty-four tuna (blackfin, skipjack, and little tuna) were caught from 13 schools spotted off British Honduras, Panama, and Nicaragua. Tunas ranged from 3 to 8 lbs, and schools sighted (mostly blackfin tuna) were estimated at 2 to 20 tons. Various oceanographic observations were scheduled throughout the cruise. A large assortment of fishes (more than 400 gallons of 300 species) was collected in the Gulf of Honduras, and 75 of the species were new to the TABL fish collection. Baitfish (primarily pilchards) were located in plentiful quantities at Porto Bello, Panama, and at Bonacca Island, Honduras. An incidental piece of intelligence volunteered by Honduran shrimp fishermen indicated that large Laurentian scallops were present in commercial quantities--2 bushels per 30-minute trawl by small trynet--off Caratasca, Honduras.

UN Cruise 6801, January-May 1968.--Coast of western Africa, Sierra Leone to South-West Africa. One of the principal assignments was the investigation of the distribution of tunas in the Gulf of Guinea and off Angola in relation to the oceanographic feature called the Berrit Front. Collecting of benthic fishes and invertebrates from the Continental Shelf was an added duty. Tuna fishing by trolling and live bait was excellent throughout most of the cruise. Eighty-eight tuna schools were sighted or otherwise detected, and 538 skipjack tuna and 195 yellowfin tuna were caught. Tunas were particularly abundant around Sao Tome (off Gabon), as were whales and birds. Most of the larger skipjack tuna sampled (6-8 lbs) in April in the Sao Tome region were in advanced stages of maturity--sampling revealed that ovaries contained large clear eggs with well-defined oil globules and the testes extruded milt. Most schools sighted appeared suitable for purse seining, though many of the skipjack tunas seen in the schools fell short of the size (over 4 lbs.) preferred by U.S. tuna boats. No commercial tuna boats were seen on the cruise. Ample quantities of several different kinds of baitfish were present in Lobito Harbor and at Cape Ledo, Angola. The many-faceted survey of the Berrit Front confirmed the findings of other workers: Plots of surface temperature revealed that the front was shaped in the form of a reversed "S," with the upper point of the S positioned northwest of the lower, or most southerly end, which was close to the Baia dos Tigres, Angola. On trawling transects, 75 gallons of fish were caught and preserved for later study; crustaceans and other invertebrates were given to specialists working on African species. An unusual catch was 30 juvenile billfishes. Commercial fishermen in Angola contributed two rare fishes to the TABL collection--

a frilled shark and a large ratfish. Conferences were held aboard the vessel with a number of fishery experts from several African and European nations.

UN Cruise 6802, August-December 1968.--A four-phase survey of the coast of western Africa from the equator south to Angola, in cooperation with the U.S. Coast Guard's Rockaway and the research vessel, Goa, working for the Missao de Estudos Bioceanologicos de Pescas, Angola. In addition to an investigation of the oceanography and the distribution of tunas, the cruise plan called for the study of the physical and biological characteristics of the Gabon-Angola front. Movement of the front, its definition by specific isotherms, and the association of tunas with the front were parts of the study. Skipjack tuna were predominant in the 125 schools observed, but some schools were made up of yellowfin tuna, which generally were found in waters warmer than 23°C (skipjack tuna were found in waters as cool as 20° C). With few exceptions, tuna schools were limited to stretches some 30 to 90 miles off the coast; the inshore zone and the zone investigated outside the 90-mile demarcation line were nearly devoid of tuna. A total of 671 were caught and sampled aboard the Undaunted. French, Portuguese, United States, and Canadian vessels engaged in surface fishery for tunas in the same period covered by the cruise appeared to confine their fishing to the same 30- to 90-mile grounds, from south of Cape Lopez (lat 1° S) to the Benguela region of Angola (13° S). No commercial vessels were seen during a 2-day passage of the Undaunted from Luanda to Abidjan, during which 15 large schools of skipjack tuna and 2 schools of yellowfin tuna were sighted moving in a S to SE direction under large bird flocks. The Gabon-Angola front (warm surface water) appeared to move southward during the cruise from southwest of Cape Lopez (lat 1° S) to

off Santa Marta (14° S), a distance of about 720 miles, in about 53 days (average speed, 13.6 miles per day). The advancing mass of warm water (24° C or higher)seemed to be in a layer about 10 fathoms thick, tapering to less than half a fathom thick on its advancing edge. Thermocline depths were shallow (average 5 to 8 fathoms) throughout the study area, Photographs (125) received aboard the Undaunted from the ESSA-6 satellite revealed, disappointingly, no detectable relation between cloud formation and the Gabon-Angola front.

UN Cruise 6903, June-August 1969.--Southern Lesser Antilles, as part of BOMEX, a task force of ships, aircraft, buoys, and satellites investigating 90,000 square miles (nautical) of the tropical Atlantic.

The dynamics and physical and biological characteristics of eddy fields west of St. Vincent, St. Lucia, and the Grenadine Banks were investigated. Biological observations included plankton tows, midwater trawls, reef collections, plant pigment, and productivity studies."

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Table 1. GERONIMO and UNDAUNTED Research Cruises

1963 - 1969

Cruise	Dates [1/]	No. Sta.	General Location	Purpose
GE-1	May 10-June 6, 1963	79	Off the east coast of U.S.	Ship and equipment test
GE-2	July 8, Oct. 9, 1963	303	Off west Africa in the Gulf of Guinea.	Participant in Equalant II and tuna-survey
GE-3	Jan 19-Apr. 20, 1964	264	Off west Africa in the Gulf of Guinea	Participant in Equalant III and tuna survey
GE-4	July 14-Nov 2, 1964	276	Off west Africa in the Gulf of Guinea	Two tuna surveys and an ocean current study
GE-5	Jan. 22, April 26, 1965	385	Off west Africa in the Gulf of Guinea, off Liberia and Sierra Leone	Tuna, ocean current, and thermal front survey
GE-6	July 23-Nov. 2, 1965	248	Mainly waters adjacent to the Lesser Antilles	Tuna and live baitfish survey
GE-7	Jan. 24-Apr. 14, 1966	166	Off north and northeast South America	Investigation of tuna and other pelagic predators
GE-8 [2/]	June 2-7, 1966	31	Straits of Florida off Bimini, Bahamas	Oceanographic features of the Florida Current.

[1/] Does not include travel days

[2/] The Geronimo was transferred to the BCF Biological Laboratory, Galveston, TX after the GS-8 cruise.

Table 1 continued. GERONIMO and UNDAUNTED Research Cruises

1963 - 1969

Cruise	Dates	No. Sta.	General Location	Purpose
UN-1	Jan. 15-23, 1966	[3]	Straits of Florida and Tongue of the Ocean	Field tests of newly acquired vessel and oceanographic instruments
UN-2	Feb. 7-Apr. 2, 1966	143	Adjacent to the Lesser Antilles in the Atlantic and Caribbean	Tuna, oceanographic, and biological survey
UN-3	May 2-15, 1966	28	Western Atlantic Ocean off Bermuda	Midwater and other fish collections
UN-4	June 1-6, 1966	34	Straits of Florida	Oceanographic equipment test and fishing
UN-5	July 21-Nov. 18, 1966	404	Waters off Trinidad and South America to Rio de Janeiro	Tuna and baitfish survey with oceanographic and biological measurements.
UN-6701	Feb. 3-Mar. 5, 1967	71	Off the Lesser Antilles and the north coast of Venezuela	Tuna survey with oceanographic and biological measurements
UN-6702	Mar. 14-15, 1967	11	Straits of Florida and Cay Sal Bank	Collect larval and juvenile fishes
UN-6703	Mar. 31-May 23, 1967	82	Western Caribbean Sea off Central America	Fish collection with oceanographic and biological observations
UN-6704	June 12-15, 1967	8	Straits of Florida from Bimini to Cay Sal.	Fish and plankton collection
UN-6705 A	July 17-19, 1967	-	The Tongue of The Ocean	Test and callibration of instruments

[3] No station data

Table 1 continued. GERONIMO and UNDAUNTED Research Cruises

1963 - 1969

Cruise	Dates	No. Sta.	General Location	Purpose
UN-6705 (ESTROPAC)	Undaunted was chartered to the BCF La Jolla Laboratory for work in the Pacific Ocean			
UN-6706	Dec. 11-15, 1967	-	Straits of Florida	Fish and plankton collection
UN-6801	Feb. 14,April 25, 1968	162	Off west Africa from Sierra Leone to Southwest Africa	Tuna survey, oceanographic and biological observations, trawl collections
UN-6802	Sept. 14, Nov. 24, 1968	313	Off west Africa from Ivory Coast to Angola	Tuna survey, oceanographic and biological observations
UN-6901	Mar. 17-21, 1969	-	Tongue of the Ocean, Bahamas	Vessel test, equipment calibration
UN-6902	Apr. 14-17, 1969	45	Off Cape Canaveral, Fla.	Collect fish and callico scallops
UN-6903	June 19,Aug. 10, 1969	273	Off the Lesser Antilles	Participation in BOMEX, tuna, oceanographic and biological observations
UN-6904	Oct. 17-23, 1969	-	Off Cape Canaveral, Fla.	Callico scallop survey and oceanographic data collection
UN-6905	Nov. 3-7, 1969	-	Northwest Providence Channel, Bahamas	Equipment and plankton sampler tests
UN-6906 [4/]	Dec. 2-10, 1969	-	From Cape Canaveral to Ponce de Leon Inlet, Fla.	Placement of equipment on bottom and a scallop and oceanographic survey

[4/] This was the final cruise of the Undaunted for the Miami Laboratory.

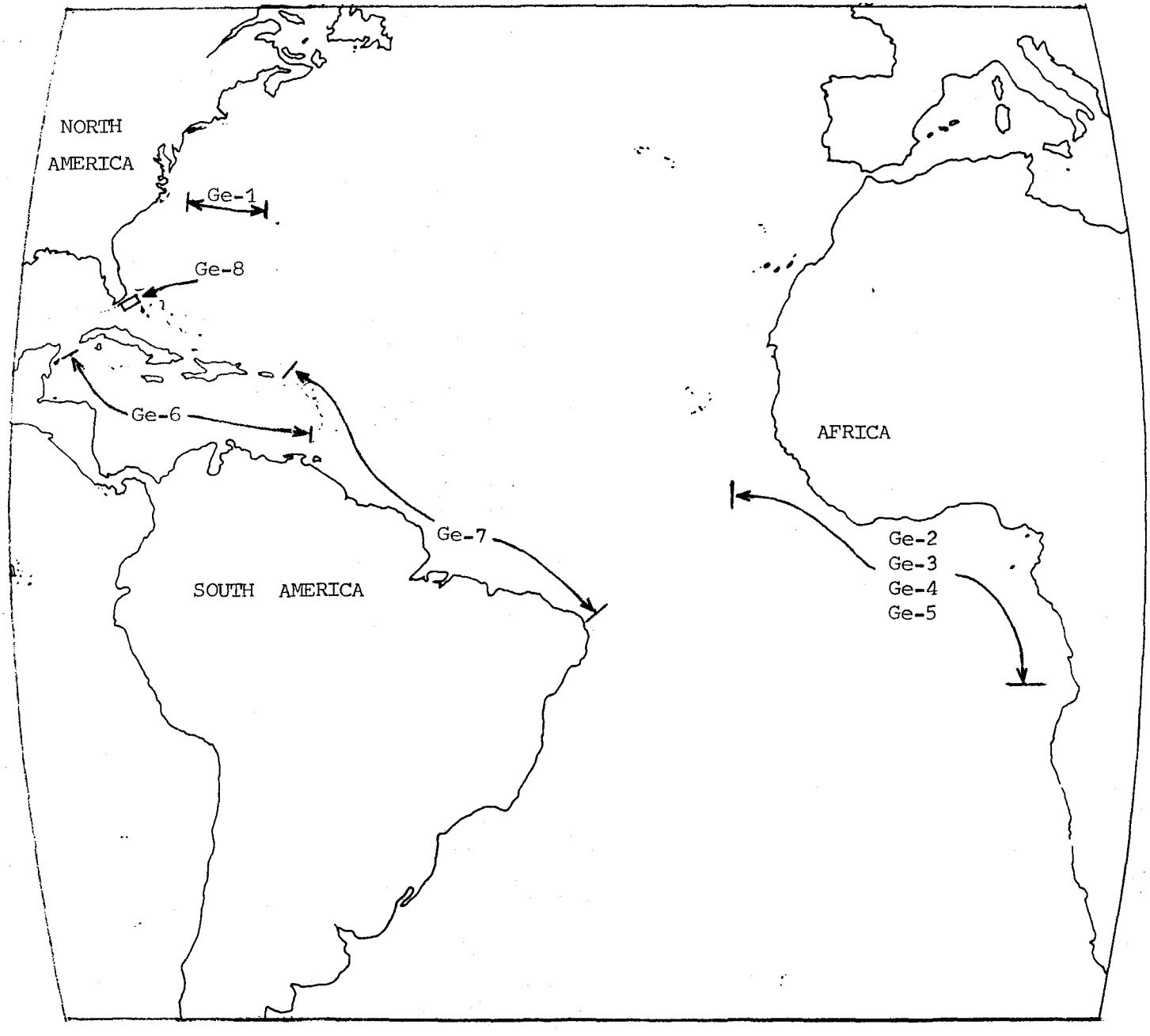

Figure 1. General geographic areas of the R/V Geronimo cruises, 1963-66.

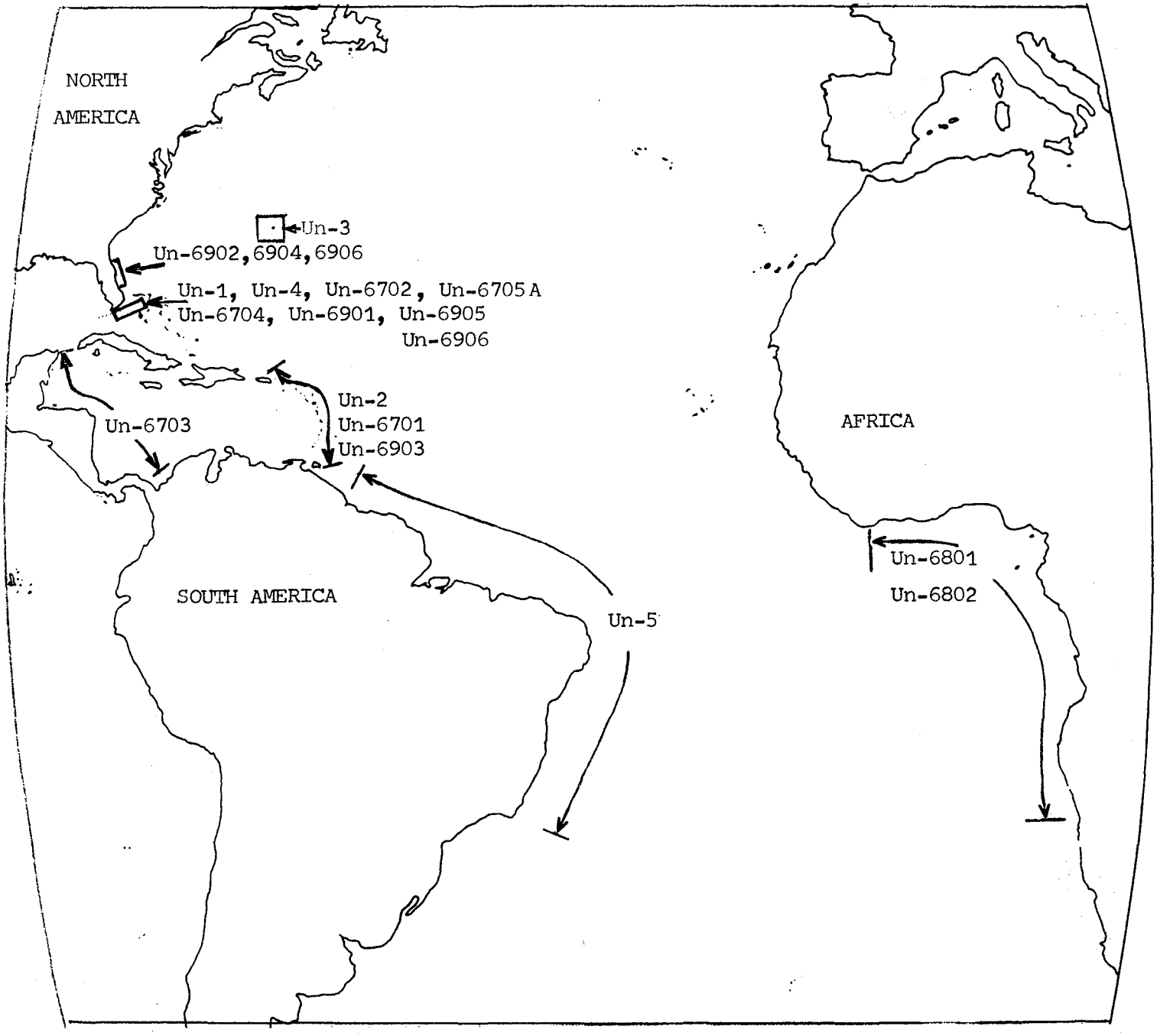

Figure 2. General geographic areas of the R/V Undaunted cruises, 1966-69.

APPENDIX 1

GERONIMO CRUISE 1

May 10 to June 6, 1963

OBSERVATION CODES

BDM	- Bottom depth, meters
GMT	- Greenwich Mean Time
HYDRO	- Hydrographic
ICITA NET	- Plankton net

CRUISE		STA	YR	MO	DA	LAT		LONG		BDM	GMT	TYPE OBSERV
GE	1	001	63	05	10	36 10	N	73 24	W		1900	HYDRO
GE	1	002	63	05	11	36 08	N	73 39	W		0020	HYDRO
GE	1	003	63	05	11	36 07	N	73 36	W		1315	HYDRO
GE	1	004	63	05	11	36 16	N	73 56	W		1725	HYDRO
GE	1	005	63	05	11		N		W		2125	HIGH SPEED NET
GE	1	006	63	05	13	36 16	N	73 51	W		0015	ICITA NET
GE	1	007	63	05	13	36 30	N	74 06	W		1655	TRAWL
GE	1	008	63	05	15	35 59	N	73 32	W		1300	HYDRO
GE	1	009	63	05	15	36 59	N	73 32	W		1402	HIGH SPEED NET
GE	1	010	63	05	15	36 03	N	73 36	W		1640	HYDRO
GE	1	011	63	05	15	36 01	N	73 28	W		2010	TRAWL
GE	1	012	63	05	16	35 59	N	73 29	W		0105	HYDRO
GE	1	013	63	05	16	36 26	N	70 22	W		1730	TRAWL
GE	1	014	63	05	16	36 26	N	74 20	W		2206	TRAWL
GE	1	015	63	05	17	36 31	N	74 25	W		1110	TRAWL
GE	1	016	63	05	17	36 42	N	74 28	W		1440	TRAWL
GE	1	017	63	05	20	36 32	N	74 27	W		1114	TRAWL
GE	1	018	63	05	20	36 34	N	74 23	W		1402	TRAWL
GE	1	019	63	05	20	36 37	N	74 23	W		1745	PRODUCTIVITY
GE	1	020	63	05	20	36 37	N	74 24	W		1820	TRAWL
GE	1	021	63	05	21	36 40	N	74 26	W		1135	TRAWL
GE	1	022	63	05	21	36 40	N	74 30	W		1700	PRODUCTIVITY
GE	1	023	63	05	21	36 48	N	74 28	W		1940	TRAWL
GE	1	024	63	05	22	37 05	N	74 31	W		1205	TRAWL
GE	1	025	63	05	22	37 23	N	74 25	W		1700	PRODUCTIVITY
GE	1	026	63	05	22	36 23	N	74 26	W		1740	TRAWL
GE	1	027	63	05	22	37 24	N	74 29	W		2040	TRAWL
GE	1	028	63	05	23	37 03	N	74 25	W		1700	PRODUCTIVITY
GE	1	029	63	05	24	36 09	N	73 43	W		1453	TRAWL
GE	1	030	63	05	24	36 12	N	73 40	W		1700	PRODUCTIVITY
GE	1	031	63	05	25	36 13	N	73 50	W		1125	HYDRO
GE	1	032	63	05	25	36 57	N	73 59	W	3213	1604	HYDRO
GE	1	033	63	05	25	35 40	N	73 16	W		2025	HYDRO
GE	1	034	63	05	26	35 25	N	72 58	W	3768	0030	HYDRO
GE	1	034	63	05	26	35 25	N	72 58	W	3768	0030	ICITA NET
GE	1	035	63	05	26	35 41	N	73 16	W	3475	0540	HYDRO
GE	1	035	63	05	26	35 41	N	73 16	W	3475	0540	ICITA NET
GE	1	036	63	05	26	35 55	N	73 30	W	3337	1035	HYDRO
GE	1	037	63	05	26	36 13	N	73 52	W	2780	1520	HYDRO
GE	1	038	63	05	26	35 56	N	73 33	W	3213	1930	HYDRO
GE	1	039	63	05	26	35 42	N	73 14	W	3621	2315	HYDRO
GE	1	040	63	05	27	35 25	N	73 01	W	3786	0240	HYDRO
GE	1	040	63	05	27	35 25	N	73 01	W	3786	0240	ICITA NET
GE	1	041	63	05	27	35 03	N	72 33	W		0914	HYDRO
GE	1	042	63	05	27	34 20	N	71 47	W	4343	1700	HYDRO
GE	1	042	63	05	27	34 20	N	71 47	W	4343	1700	PRODUCTIVITY
GE	1	043	63	05	28	33 33	N	70 57	W	4975	0150	HYDRO
GE	1	043	63	05	28	33 33	N	70 57	W	4975	0150	ICITA NET
GE	1	044	63	05	28	32 48	N	70 11	W	4975	1110	HYDRO
GE	1	045	63	05	28	32 18	N	69 40	W		1700	PRODUCTIVITY
GE	1	046	63	05	28	32 02	N	69 26	W	4892	1935	HYDRO
GE	1	047	63	05	29	31 17	N	68 39	W	4975	0330	HYDRO
GE	1	047	63	05	29	31 17	N	68 39	W	4975	0330	ICITA NET
GE	1	048	63	05	29	33 35	N	68 28	W		1700	PRODUCTIVITY
GE	1	049	63	05	29	34 09	N	68 23	W	5194	2140	HYDRO
GE	1	050	63	05	30	35 00	N	69 05	W	5212	0430	HYDRO
GE	1	050	63	05	30	35 00	N	69 05	W	5212	0430	ICITA NET
GE	1	051	63	05	30	35 51	N	69 48	W	4526	1115	HYDRO
GE	1	052	63	05	30	36 40	N	70 27	W	4295	1757	HYDRO
GE	1	052	63	05	30	36 40	N	70 27	W	4295	1757	PRODUCTIVITY

CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	TYPE OBSERV
GE	1	053	63	05	30	37	06	N	70	48	W	4114	2216	HYDRO
GE	1	054	63	05	31	37	54	N	71	32	W	3200	0730	HYDRO
GE	1	054	63	05	31	37	54	N	71	32	W	3200	0730	ICITA NET
GE	1	055	63	05	31	37	30	N	71	12	W	4005	1158	HYDRO
GE	1	056	63	05	31	37	15	N	71	02	W	4023	1518	HYDRO
GE	1	057	63	05	31	37	35	N	71	13	W		1700	PRODUCTIVITY
GE	1	058	63	06	01	38	18	N	71	52	W	2926	0351	HYDRO
GE	1	058	63	06	01	38	18	N	71	52	W	2926	0351	ICITA NET
GE	1	059	63	06	01	37	22	N	71	06	W		1350	HYDRO
GE	1	060	63	06	01	37	32	N	71	13	W		1600	HYDRO
GE	1	060	63	06	01	37	32	N	71	13	W		1600	PRODUCTIVITY
GE	1	061	63	06	02	39	23	N	69	31	W	2715	0540	HYDRO
GE	1	061	63	06	02	39	23	N	69	31	W	2715	0540	ICITA NET
GE	1	062	63	06	02	38	40	N	68	56	W	3383	1505	HYDRO
GE	1	063	63	06	02	38	28	N	68	43	W		1718	PRODUCTIVITY
GE	1	064	63	06	02	38	23	N	68	42	W	3931	1820	HYDRO
GE	1	065	63	06	02	38	05	N	68	25	W	4206	2211	HYDRO
GE	1	066	63	06	03	38	42	N	69	00	W	3329	0450	HYDRO
GE	1	066	63	06	03	38	42	N	69	00	W	3329	0450	ICITA NET
GE	1	067	63	06	03	38	23	N	68	42	W	3931	0940	HYDRO
GE	1	068	63	06	03	38	05	N	68	24	W		1228	HYDRO
GE	1	069	63	06	03	37	36	N	68	04	W		1700	PRODUCTIVITY
GE	1	070	63	06	03	37	33	N	67	59	W	4572	1850	HYDRO
GE	1	071	63	06	03	37	12	N	67	45	W	4755	2221	HYDRO
GE	1	072	63	06	04	36	47	N	67	26	W	4846	0204	HYDRO
GE	1	072	63	06	04	36	47	N	67	26	W	4846	0204	ICITA NET
GE	1	073	63	06	04			N			W		1815	PRODUCTIVITY
GE	1	074	63	06	04	37	37	N	71	17	W	3658	2312	HYDRO
GE	1	075	63	06	05	37	28	N	71	08	W	3986	0121	HYDRO
GE	1	075	63	06	05	37	28	N	71	08	W	3986	0121	ICITA NET
GE	1	076	63	06	05	37	17	N	70	53	W	4078	0537	HYDRO
GE	1	076	63	06	05	37	17	N	70	53	W	4078	0537	ICITA NET
GE	1	077	63	06	06	36	05	N	73	38	W	3200	0330	HYDRO
GE	1	077	63	06	06	36	05	N	73	38	W	3200	0330	ICITA NET
GE	1	078	63	06	06	36	13	N	73	49	W	3017	0738	HYDRO
GE	1	078	63	06	06	36	13	N	73	49	W	3017	0738	ICITA NET
GE	1	079	63	06	06	36	19	N	73	58	W	2743	1000	HYDRO

APPENDIX 1 (continued)

GERONIMO CRUISE 2

July 8 to October 9, 1963

OBSERVATION CODES

BDM	- Bottom depth, meters
GMT	- Greenwich Mean Time
HYDRO	- Hydrographic
ICITA NET	- Plankton net
Z	- Time zone

CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT Z	TYPE OBSERV
GN	2	001	63	07	08	34	04	N	63	35	W		1230-4	HIGH SPEED NET
GN	2	002	63	07	09	33	26	N	61	20	W		0400-4	HIGH SPEED NET
GN	2	003	63	07	09	33	02	N	59	44	W		1210-4	HIGH SPEED NET
GN	2	004	63	07	09	32	49	N	59	03	W		1601-4	PRODUCTIVITY
GN	2	004	63	07	09	32	49	N	59	03	W		1601-4	TRAWL
GN	2	005	63	07	10	32	30	N	58	03	W		0000-4	HIGH SPEED NET
GN	2	006	63	07	10	32	05	N	56	35	W		0700-4	HIGH SPEED NET
GN	2	007	63	07	10	31	28	N	50	00	W		1545-4	PRODUCTIVITY
GN	2	007	63	07	10	31	28	N	50	00	W		1545-4	TRAWL
GN	2	008	63	07	11	31	00	N	53	50	W		0110-4	HIGH SPEED NET
GN	2	009	63	07	11	30	36	N	52	44	W		0700-4	HIGH SPEED NET
GN	2	010	63	07	11	29	49	N	50	04	W		1530-3	PRODUCTIVITY
GN	2	010	63	07	11	29	49	N	50	04	W		1530-3	TRAWL
GN	2	011	63	07	11	29	25	N	50	02	W		2300-3	HIGH SPEED NET
GN	2	012	63	07	12	28	52	N	48	48	W		0600-3	HIGH SPEED NET
GN	2	013	63	07	12	28	05	N	47	12	W		0315-3	PRODUCTIVITY
GN	2	013	63	07	12	28	05	N	47	12	W		0315-3	TRAWL
GN	2	014	63	07	12	27	39	N	46	15	W		2300-3	HIGH SPEED NET
GN	2	015	63	07	13	27	09	N	45	02	W		0600-3	HIGH SPEED NET
GN	2	016	63	07	13	26	32	N	43	36	W		1500-3	PRODUCTIVITY
GN	2	016	63	07	13	26	32	N	43	36	W		1500-3	TRAWL
GN	2	017	63	07	13	26	05	N	42	36	W		2300-3	HIGH SPEED NET
GN	2	018	63	07	14	25	32	N	41	27	W		0600-3	HIGH SPEED NET
	2	019	63	07	14	24	56	N	39	58	W		1550-3	PRODUCTIVITY
GN	2	020	63	07	14	24	19	N	38	46	W		2300-3	HIGH SPEED NET
GN	2	021	63	07	15	23	45	N	37	42	W		0500-2	HIGH SPEED NET
GN	2	022	63	07	15	23	02	N	36	21	W		1400-2	PRODUCTIVITY
GN	2	023	63	07	15	22	31	N	35	10	W		2200-2	HIGH SPEED NET
GN	2	024	63	07	20	16	30	N	24	45	W		1400-2	PRODUCTIVITY
GN	2	024	63	07	20	16	30	N	24	45	W		1400-2	TRAWL
GN	2	025	63	07	20	15	44	N	24	01	W		2200-2	HIGH SPEED NET
GN	2	026	63	07	21	15	02	N	23	15	W		0500-2	HIGH SPEED NET
GN	2	027	63	07	21	13	56	N	21	57	W		1250-L	PRODUCTIVITY
GN	2	027	63	07	21	13	56	N	21	57	W		1250-L	TRAWL
GN	2	028	63	07	21	13	17	N	21	10	W		2100-1	HIGH SPEED NET
GN	2	029	63	07	22	12	31	N	20	13	W		0400-1	HIGH SPEED NET
GN	2	030	63	07	22	11	31	N	18	43	W		1330-1	PRODUCTIVITY
GN	2	030	63	07	22	11	31	N	18	43	W		1330-1	TRAWL
GN	2	031	63	07	22	10	46	N	17	52	W		2100-1	HIGH SPEED NET
GN	2	032	63	07	23	09	56	N	16	51	W		0500-2	HIGH SPEED NET
GN	2	033	63	07	23	08	56	N	15	40	W		1210-L	PRODUCTIVITY
GN	2	033	63	07	23	08	56	N	15	40	W		1210-L	TRAWL
GN	2	034	63	07	23	08	18	N	14	53	W		2000-L	HIGH SPEED NET
GN	2	035	63	07	24	07	31	N	13	58	W		0300-L	HIGH SPEED NET
GN	2	036	63	07	24	06	36	N	12	35	W		1200-L	PRODUCTIVITY
GN	2	036	63	07	24	06	36	N	12	35	W		1200-L	TRAWL
GN	2	037	63	07	24	06	16	N	12	04	W		2000-L	HIGH SPEED NET
GN	2	038	63	07	25	05	37	N	11	03	W		0300-L	HIGH SPEED NET
GN	2	039	63	07	25	04	46	N	09	37	W		1315-1	PRODUCTIVITY
GN	2	040	63	07	25	04	13	N	08	12	W		2100-1	HIGH SPEED NET
GN	2	041	63	07	26	04	16	N	07	03	W		0300-L	HIGH SPEED NET
GN	2	042	63	07	26	04	57	N	05	05	W		-	TRAWL
GN	2	043	63	07	31	05	00	N	00	00	W	3285	1930-0	HYDRO
GN	2	043	63	07	31	05	00	N	00	00	W	3285	1930-0	ICITA NET
GN	2	044	63	07	31	05	00	N	00	00	W		2222-0	HIGH SPEED NET
GN	2	045	63	08	01	04	30	N	00	00	W	3950	0130-0	HYDRO
GN	2	045	63	08	01	04	30	N	00	00	W	3950	0130-0	ICITA NET
GN	2	046	63	08	01	04	30	N	00	00	W		0430-0	HIGH SPEED NET

CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT Z	TYPE OBSERV
GN	2	047	63	08	01	04	30	N	00	00	W	4390	0700-0	HYDRO
GN	2	048	63	08	01	04	00	N	00	00	W		1200-0	PRODUCTIVITY
GN	2	049	63	08	01	00	04	N	00	00	W		1330-0	HIGH SPEED NET
GN	2	050	63	08	01	04	07	N	00	04	E		1537-0	TRAWL
GN	2	051	63	08	01	03	30	N	00	00	E	3767	2145-0	HYDRO
GN	2	051	63	08	01	03	30	N	00	00	E	3767	2145-0	ICITA NET
GN	2	052	63	08	02	03	30	N	00	00	E		0015-0	HIGH SPEED NET
GN	2	053	63	08	02	03	00	N	00	00	E	3767	0330-0	HYDRO
GN	2	054	63	08	02	00	03	N	00	00	E		0530-0	HIGH SPEED NET
GN	2	055	63	08	02	02	30	N	00	00	E	4883	0930-0	HYDRO
GN	2	055	63	08	02	02	30	N	00	00	E	4883	0930-0	PRODUCTIVITY
GN	2	056	63	08	02	02	30	N	00	00	E		1250-0	TRAWL
GN	2	057	63	08	02	02	59	N	00	03	W	4846	1830-0	HYDRO
GN	2	057	63	08	02	02	59	N	00	03	W	4846	1830-0	ICITA NET
GN	2	058	63	08	02	00	02	N	00	00	W		2352-0	HIGH SPEED NET
GN	2	059	63	08	03	01	54	N	00	00	W		0100-0	HIGH SPEED NET
GN	2	060	63	08	03	01	25	N	00	01	W	4938	0440-0	HYDRO
GN	2	061	63	08	03	01	00	N	00	00	E	4901	-0	HYDRO
GN	2	061	63	08	03	01	00	N	00	00	E	4901	-0	PRODUCTIVITY
GN	2	062	63	08	03	01	08	N	00	04	W		-0	TRAWL
GN	2	063	63	08	03	01	08	N	00	05	W		-0	HIGH SPEED NET
GN	2	064	63	08	03	00	30	N	00	00	W	4938	2000-0	HYDRO
GN	2	064	63	08	03	00	30	N	00	00	W	4938	2000-0	ICITA NET
	2	065	63	08	03	00	30	N	00	00	W		2255-0	HIGH SPEED NET
	2	066	63	08	04	00	00	N	00	00	W	4919	0330-0	HYDRO
GN	2	067	63	08	04	00	06	N	00	11	W		0750-0	HIGH SPEED NET
GN	2	068	63	08	04	00	24	S	00	07	E		0	PRODUCTIVITY
GN	2	069	63	08	04	00	24	S	00	09	E		-0	TRAWL
GN	2	070	63	08	04	00	30	S	00	00	E	4755	1700-0	HYDRO
GN	2	070	63	08	04	00	30	S	00	00	E	4755	1700-0	ICITA NET
GN	2	071	63	08	04	00	30	S	00	00	E		1950-0	HIGH SPEED NET
GN	2	072	63	08	05	01	00	S	00	00	E	4846	0040-0	HYDRO
GN	2	072	63	08	05	01	00	S	00	00	E	4846	0040-0	ICITA NET
GN	2	073	63	08	05	00	04	N	05	07	W		0322-0	HIGH SPEED NET
GN	2	074	63	08	05	01	30	S	00	00	W	4810	0755-0	HYDRO
GN	2	074	63	08	05	01	30	S	00	00	W	4810	0755-0	PRODUCTIVITY
GN	2	075	63	08	05	02	00	S	00	00	W	4755	1335-0	HYDRO
GN	2	075	63	08	05	02	00	S	00	00	W	4755	1335-0	ICITA NET
GN	2	076	63	08	05	02	05	S	00	00	W		2000-0	HIGH SPEED NET
GN	2	077	63	08	05	02	04	S	00	02	W		-0	HIGH SPEED NET
GN	2	078	63	08	06	02	30	S	00	00	W	4590	0200-0	HYDRO
GN	2	078	63	08	06	02	30	S	00	00	W	4590	0200-0	ICITA NET
GN	2	079	63	08	06	03	00	S	00	00	W	4481	0725-0	HYDRO
GN	2	080	63	08	06	03	00	S	00	00	W		0855-0	HIGH SPEED NET
GN	2	081	63	08	06	03	29	S	00	12	W	3668	1205-0	HYDRO
GN	2	081	63	08	06	03	29	S	00	12	W	3668	1205-0	PRODUCTIVITY
GN	2	082	63	08	06	03	28	S	00	14	W		1445-0	TRAWL
GN	2	083	63	08	06	03	55	S	00	24	W	4572	2030-0	HYDRO
GN	2	083	63	08	06	03	55	S	00	24	W	4572	2030-0	ICITA NET
GN	2	084	63	08	07	03	55	S	00	25	W		0025-0	HIGH SPEED NET
GN	2	085	63	08	07	03	55	S	00	25	W		0130-0	HIGH SPEED NET
GN	2	086	63	08	07	04	50	S	00	49	W	4535	0630-0	HYDRO
GN	2	087	63	08	07	04	50	S	00	49	W		-0	HIGH SPEED NET
GN	2	088	63	08	07	05	21	S	01	06	W		1430-0	HIGH SPEED NET
GN	2	089	63	08	07	05	44	S	01	33	W		1730-0	HIGH SPEED NET
GN	2	090	63	08	07	05	41	S	01	18	W	4435	2334-0	HYDRO
GN	2	090	63	08	07	05	41	S	01	18	W	4435	2334-0	ICITA NET

CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	TYPE OBSERV
GN	2	091	63	08	08	05	40	S	01	18	W		0330	-0	HIGH SPEED NET
GN	2	092	63	08	08	06	39	S	01	37	W	4023	0945	-0	HYDRO
GN	2	093	63	08	08	06	39	S	01	39	W		1100	-0	HIGH SPEED NET
GN	2	094	63	08	08	06	43	S	01	43	W		1200	-0	PRODUCTIVITY
GN	2	095	63	08	08	06	52	S	01	46	W		1455	-0	TRAWL
GN	2	096	63	08	08	07	33	S	02	01	W	4499	2146	-0	HYDRO
GN	2	096	63	08	08	07	33	S	02	01	W	4499	2146	-0	ICITA NET
GN	2	097	63	08	09	07	33	S	02	09	W		0155	-0	HIGH SPEED NET
GN	2	098	63	08	09	07	42	S	02	05	W		0325	-0	HIGH SPEED NET
GN	2	099	63	08	09	08	26	S	02	25	W	4389	0925	-0	HYDRO
GN	2	100	63	08	09	08	26	S	02	27	W		1100	-0	HIGH SPEED NET
GN	2	101	63	08	09	08	37	S	02	23	W		1200	-0	PRODUCTIVITY
GN	2	102	63	08	09	08	36	S	02	29	W		1330	-0	TRAWL
GN	2	103	63	08	09	09	21	S	02	51	W	4663	2103	-0	HYDRO
GN	2	103	63	08	09	09	21	S	02	51	W	4663	2103	-0	ICITA NET
GN	2	104	63	08	10	09	21	S	02	53	W		0040	-0	HIGH SPEED NET
GN	2	105	63	08	10	09	30	S	02	58	W		0210	-0	HIGH SPEED NET
GN	2	106	63	08	10	10	48	S	03	28	W	4983	1100	-0	HYDRO
GN	2	106	63	08	10	10	48	S	03	28	W	4983	1100	-0	PRODUCTIVITY
GN	2	107	63	08	10	10	48	S	03	29	W		1300	-0	TRAWL
GN	2	108	63	08	10	10	50	S	03	38	W		1445	-0	HIGH SPEED NET
GN	2	109	63	08	11	12	09	S	04	05	W	4480	0135	-0	HYDRO
GN	2	110	63	08	11	12	08	S	04	09	W			-0	HIGH SPEED NET
GN	2	111	63	08	11	13	07	S	04	23	W		1220	-0	PRODUCTIVITY
GN	2	112	63	08	11	13	09	S	04	24	W		1300	-0	TRAWL
GN	2	113	63	08	11	13	29	S	04	40	W	4572	1820	-0	HYDRO
GN	2	113	63	08	11	13	29	S	04	40	W	4572	1820	-0	ICITA NET
GN	2	114	63	08	11	13	29	S	04	40	W		2030	-0	HIGH SPEED NET
GN	2	115	63	08	11	13	33	S	04	42	W		2145	-0	HIGH SPEED NET
GN	2	116	63	08	12	14	52	S	05	18	W	3840	0715	-0	HYDRO
GN	2	117	63	08	14	17	00	S	02	00	W	4572	1812	-0	HYDRO
GN	2	117	63	08	14	17	00	S	02	00	W	4572	1812	-0	ICITA NET
GN	2	118	63	08	15	16	05	S	00	32	W		1000	-0	HYDRO
GN	2	118	63	08	15	16	05	S	00	32	W		1000	-0	PRODUCTIVITY
GN	2	119	63	08	15	15	02	S	00	20	E	5194	2332	-L	HYDRO
GN	2	120	63	08	16	14	56	S	00	28	E		0613	-L	ICITA NET
GN	2	121	63	08	16	14	03	S	01	27	E	5486	1357	-L	HYDRO
GN	2	121	63	08	16	14	03	S	01	27	E	5486	1357	-L	PRODUCTIVITY
GN	2	122	63	08	17	13	11	S	02	32	E		0143	-L	ICITA NET
GN	2	123	63	08	17	13	09	S	02	39	E	5486	0344	-L	HYDRO
GN	2	124	63	08	17	12	25	S	03	25	E		1340	-L	PRODUCTIVITY
GN	2	125	63	08	17	12	05	S	03	48	E		1710	-L	HYDRO
GN	2	125	63	08	17	12	05	S	03	48	E		1710	-L	ICITA NET
GN	2	126	63	08	17	12	05	S	03	48	E		1910	-L	HIGH SPEED NET
GN	2	127	63	08	17	12	00	S	03	56	E		2019	-L	HIGH SPEED NET
GN	2	128	63	08	18	11	07	S	04	57	E	5304	0530	-L	HYDRO
GN	2	129	63	08	18	11	06	S	04	57	E			-	HIGH SPEED NET
GN	2	130	63	08	18	10	46	S	05	19	E		1215	-L	PRODUCTIVITY
GN	2	131	63	08	18	10	46	S	05	19	E		1300	-L	TRAWL
GN	2	132	63	08	18	10	07	S	06	06	E	5212	2006	-L	HYDRO
GN	2	132	63	08	18	10	07	S	06	06	E	5212	2006	-L	ICITA NET
GN	2	133	63	08	18	10	08	S	06	04	E		2225	-L	HIGH SPEED NET
GN	2	134	63	08	18	10	06	S	06	06	E		2335	-L	HIGH SPEED NET
GN	2	135	63	08	19	09	29	S	06	51	E	5029	0540	-L	HYDRO
GN	2	136	63	08	19	09	29	S	06	51	E		0833	-L	HIGH SPEED NET
GN	2	137	63	08	19	09	15	S	07	06	E		1210	-L	PRODUCTIVITY
GN	2	138	63	08	19	09	15	S	07	06	E		1250	-L	TRAWL

CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT Z	TYPE OBSERV
GN	2	139	63	08	19	08	48	S	07	37	E	4663	1840-L	HYDRO
GN	2	139	63	08	19	08	48	S	07	37	E	4663	1840-L	ICITA NET
GN	2	140	63	08	19	08	48	S	07	37	E		2105-L	HIGH SPEED NET
GN	2	141	63	08	19	08	46	S	07	37	E		2008-L	HIGH SPEED NET
GN	2	142	63	08	20	08	09	S	08	19	E	4444	0350-L	HYDRO
GN	2	143	63	08	20	08	09	S	08	19	E		0700-L	HIGH SPEED NET
GN	2	144	63	08	20	08	03	S	09	06	E		1220-L	PRODUCTIVITY
GN	2	145	63	08	20	08	03	S	09	06	E		1300-L	TRAWL
GN	2	146	63	08	20	07	32	S	09	06	E	4097	1600&1	HYDRO
GN	2	147	63	08	20	07	32	S	09	06	E		1700&1	HIGH SPEED NET
GN	2	148	63	08	20	07	26	S	09	11	E		1800&1	HIGH SPEED NET
GN	2	149	63	08	21	06	52	S	09	51	E	3731	2300&1	HYDRO
GN	2	149	63	08	21	06	52	S	09	51	E	3731	2300&1	ICITA NET
GN	2	150	63	08	21	06	45	S	09	59	E		&1	HIGH SPEED NET
GN	2	151	63	08	21	06	13	S	10	36	E	1865	0900&1	HYDRO
GN	2	152	63	08	21	06	05	S	10	43	E		1130&1	PRODUCTIVITY
GN	2	153	63	08	21	06	05	S	10	43	E		1200&1	TRAWL
GN	2	154	63	08	21	06	02	S	10	45	E		1400&1	HIGH SPEED NET
GN	2	155	63	08	21	05	28	S	11	20	E	0713	1900&1	HYDRO
GN	2	156	63	08	21	05	33	S	11	30	E		&1	HIGH SPEED NET
GN	2	157	63	08	21	05	33	S	11	30	E		2105&1	HIGH SPEED NET
GN	2	158	63	08	24	05	34	S	11	57	E		1230&1	PRODUCTIVITY
	2	159	63	08	24	06	03	S	12	23	E	0347	1545&1	HYDRO
GN	2	160	63	08	24	05	58	S	11	32	E	1463	2141&1	HYDRO
GN	2	160	63	[illegible]	24	05	58	S	11	32	E	1463	2141&1	ICITA NET
GN	2	161	63	08	24	05	58	S	11	38	E		2315&1	HIGH SPEED NET
GN	2	162	63	08	25	05	57	S	11	28	E		0010&1	HIGH SPEED NET
GN	2	163	63	08	25	05	52	S	10	45	E	2103	0545&1	HYDRO
GN	2	164	63	08	25	05	51	S	10	35	E		0715&1	HIGH SPEED NET
GN	2	165	63	08	25	05	49	S	10	00	E		&1	PRODUCTIVITY
GN	2	166	63	08	25	05	49	S	10	00	E		&1	TRAWL
GN	2	167	63	08	25	05	46	S	09	52	E	2917	1555&1	HYDRO
GN	2	168	63	08	25	05	46	S	09	52	E		1730&1	HIGH SPEED NET
GN	2	169	63	08	25	05	40	S	09	00	E	3749	2315&1	HYDRO
GN	2	169	63	08	25	05	40	S	09	00	E	3749	2315&1	ICITA NET
GN	2	170	63	08	26	05	37	S	09	00	E		0240&1	HIGH SPEED NET
GN	2	171	63	08	26	05	34	S	08	51	E		0340&1	HIGH SPEED NET
GN	2	172	63	08	26	04	40	S	07	50	E		1130&1	PRODUCTIVITY
GN	2	173	63	08	26	04	24	S	07	38	E	4892	1552&1	HYDRO
GN	2	173	63	08	26	04	24	S	07	38	E	4892	1552&1	ICITA NET
GN	2	174	63	08	26	04	28	S	07	39	E		2005&1	HIGH SPEED NET
GN	2	175	63	08	26	04	29	S	07	43	E		2108&1	HIGH SPEED NET
GN	2	176	63	08	31	00	00	S	08	57	E	0101	0450&1	HYDRO
GN	2	177	63	08	31	00	01	S	08	55	E	0101	0600&1	TRAWL
GN	2	178	63	08	31	00	01	N	08	52	E	0201	0800&1	TRAWL
GN	2	179	63	08	31	00	02	S	08	50	E	0294	1000&1	TRAWL
GN	2	180	63	08	31	00	01	N	08	50	E	0397	1145&1	HYDRO
GN	2	180	63	08	31	00	01	N	08	50	E	0397	1145&1	PRODUCTIVITY
GN	2	181	63	08	31	00	02	N	08	49	E	0402	1400&1	TRAWL
GN	2	182	63	09	01	00	30	S	08	49	E	0101	0517&1	HYDRO
GN	2	183	63	09	01	00	31	S	08	43	E	0101	&1	TRAWL
GN	2	184	63	09	01	00	31	S	08	43	E	0101	&1	TRAWL
GN	2	185	63	09	01	00	32	S	08	42	E	0201	1022&1	TRAWL
GN	2	186	63	09	01	00	33	S	08	40	E	0335	1100&1	HYDRO
GN	2	186	63	09	01	00	33	S	08	40	E	0335	1100&1	PRODUCTIVITY
GN	2	187	63	09	01	00	32	S	08	40	E	0302	&1	TRAWL
GN	2	188	63	09	02	01	00	S	08	29	E	0091	0440&1	HYDRO

CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT Z	TYPE OBSERV
GN	2	189	63	09	02	01	00	S	08	29	E	0101	0525&1	TRAWL
GN	2	191	63	09	02	01	19	S	08	41	E	0037	1030&1	TRAWL
GN	2	192	63	09	02	01	19	S	08	43	E		1130&1	PRODUCTIVITY
GN	2	193	63	09	02	01	19	S	08	23	E	0128	1440&1	TRAWL
GN	2	194	63	09	02	01	18	S	08	23	E	0128	1530&1	TRAWL
GN	2	195	63	09	03	01	30	S	08	37	E	0102	0435&1	HYDRO
GN	2	196	63	09	03	01	30	S	08	37	E	0101	0500&1	TRAWL
GN	2	197	63	09	03	01	30	S	08	28	E	0201	0727&1	TRAWL
GN	2	198	63	09	03	01	28	S	08	25	E	0302	0912&1	TRAWL
GN	2	199	63	09	03	01	26	S	08	24	E	0402	1043&1	TRAWL
GN	2	200	63	09	03	01	27	S	08	26	E	0512	1100&1	HYDRO
GN	2	200	63	09	03	01	27	S	08	26	E	0512	1100&1	PRODUCTIVITY
GN	2	201	63	09	04	02	00	S	08	55	E	0101	0430&1	HYDRO
GN	2	202	63	09	04	02	00	S	08	55	E	0101	0530&1	TRAWL
GN	2	203	63	09	04	02	01	S	08	51	E	0201	0652&1	TRAWL
GN	2	204	63	09	04	01	56	S	08	48	E	0293	0800&1	TRAWL
GN	2	205	63	09	04	01	58	S	08	47	E	0402	0930&1	TRAWL
GN	2	206	63	09	04	02	00	S	08	47	E	VAR	1130&1	TRAWL
GN	2	207	63	09	04	01	59	S	08	46	E	0585	1230&1	HYDRO
GN	2	207	63	09	04	01	59	S	08	46	E	0585	1230&1	PRODUCTIVITY
GN	2	208	63	09	04	01	56	S	08	48	E		1800&1	HIGH SPEED NET
GN	2	209	63	09	05	02	30	S	09	04	E	0101	0430&1	HYDRO
GN	2	210	63	09	05	02	30	S	09	04	E	0101	0500&1	TRAWL
GN	2	211	63	09	05	02	32	S	09	05	E	0101	0645&1	TRAWL
GN	2	212	63	09	05	02	30	S	08	58	E	0201	0828&1	TRAWL
GN	2	213	63	09	05	02	31	S	08	51	E	0302	0945&1	TRAWL
GN	2	214	63	09	05	02	30	S	08	52	E	0549	1225&1	TRAWL
GN	2	215	63	09	05	02	31	S	08	54	E	0597	1340&1	HYDRO
GN	2	215	63	09	05	02	31	S	08	54	E	0597	1340&1	PRODUCTIVITY
GN	2	216	63	09	05	02	44	S	09	26	E		1800&1	HIGH SPEED NET
GN	2	217	63	09	06	03	01	S	09	34	E	0101	0430&1	HYDRO
GN	2	218	63	09	06	03	01	S	09	24	E	0101	0500&1	TRAWL
GN	2	219	63	09	06	03	01	S	09	22	E	0201	0700&1	TRAWL
GN	2	220	63	09	06	03	02	S	09	21	E	0302	0800&1	TRAWL
GN	2	221	63	09	06	03	02	S	09	16	E	0402	1000&1	TRAWL
GN	2	222	63	09	06	03	04	S	09	17	E	0399	1130&1	HYDRO
GN	2	222	63	09	06	03	04	S	09	17	E	0399	1130&1	PRODUCTIVITY
GN	2	223	63	09	06	03	05	S	09	15	E	0640	&1	TRAWL
GN	2	224	63	09	06	03	25	S	10	07	E		1800&1	HIGH SPEED NET
GN	2	225	63	09	07	03	30	S	10	03	E	0101	0540&L	HYDRO
GN	2	226	63	09	07	03	30	S	10	03	E	0101	0630&L	TRAWL
GN	2	227	63	09	07	03	30	S	08	53	E	0201	0830&L	TRAWL
GN	2	228	63	09	07	03	31	S	09	53	E	0302	0945&L	TRAWL
GN	2	229	63	09	07	03	32	S	09	52	E	0402	1115&L	TRAWL
GN	2	230	63	09	07	03	33	S	09	53	E	0395	1230&L	HYDRO
GN	2	230	63	09	07	03	33	S	09	53	E	0395	1230&L	PRODUCTIVITY
GN	2	231	63	09	07	03	34	S	09	58	E	0823	1400&L	TRAWL
GN	2	232	63	09	07	03	45	S	10	26	E		1900&L	HIGH SPEED NET
GN	2	233	63	09	08	04	00	S	10	35	E	0101	0430&L	HYDRO
GN	2	234	63	09	08	04	00	S	10	35	E	0101	0615&L	TRAWL
GN	2	235	63	09	08	04	01	S	10	35	E	0101	0700&L	TRAWL
GN	2	236	63	09	08	04	03	S	10	22	E	0201	0900&L	TRAWL
GN	2	237	63	09	08	04	03	S	10	22	E	0302	1022&L	TRAWL
GN	2	238	63	09	08	04	06	S	10	23	E	0402	1155&L	TRAWL
GN	2	239	63	09	08	04	08	S	10	24	E	0406	1245&L	HYDRO
GN	2	239	63	09	08	04	08	S	10	24	E	0406	1245&L	PRODUCTIVITY
GN	2	240	63	09	08	04	08	S	10	08	E	1097	&	TRAWL

CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT Z	TYPE OBSERV
GN	2	241	63	09	08	04	11	S	10	21	E		1900EL	HIGH SPEED NET
GN	2	242	63	09	09	04	29	S	11	07	E	0101	0600EL	HYDRO
GN	2	243	63	09	09	04	29	S	11	07	E	0101	0645EL	TRAWL
GN	2	244	63	09	09	04	31	S	11	09	E	0101	0730EL	TRAWL
GN	2	245	63	09	09	04	31	S	10	54	E	0201	0930EL	TRAWL
GN	2	246	63	09	09	04	31	S	10	53	E	0302	1100EL	TRAWL
GN	2	247	63	09	09	04	38	S	11	01	E	0402	1230EL	TRAWL
GN	2	248	63	09	09	04	39	S	11	03	E	0368	1400EL	HYDRO
GN	2	248	63	09	09	04	39	S	11	03	E	0368	1400EL	PRODUCTIVITY
GN	2	249	63	09	09	04	40	S	11	00	E	0951	E	TRAWL
GN	2	250	63	09	15	03	18	N	01	17	E		2000E0	NIGHT LIGHT
GN	2	251	63	09	16	04	18	N	01	41	W		1230E0	TRAWL
GN	2	252	63	09	16	04	23	N	01	49	W	0448	1430E0	HYDRO
GN	2	252	63	09	16	04	23	N	01	49	W	0448	1430E0	PRODUCTIVITY
GN	2	253	63	09	17	04	38	N	03	03	W	0980	1207E0	HYDRO
GN	2	253	63	09	17	04	38	N	03	03	W	0980	1207E0	PRODUCTIVITY
GN	2	254	63	09	17	04	56	N	03	18	W		1621E0	TRAWL
GN	2	255	63	09	17	04	57	N	03	17	W		1900E0	HIGH SPEED NET
GN	2	256	63	09	18	04	46	N	05	07	W	1500	1300E0	HYDRO
GN	2	256	63	09	18	04	46	N	05	07	W	1500	1300E0	PRODUCTIVITY
GN	2	257	63	09	18	04	50	N	04	46	W		1900E0	HIGH SPEED NET
GN	2	258	63	09	19	04	26	N	06	43	W	0988	1230E0	HYDRO
GN	2	258	63	09	19	04	26	N	06	43	W	0988	1230E0	PRODUCTIVITY
GN	2	259	63	09	25	11	44	N	17	56	W		1300-1	TRAWL
GN	2	260	63	09	25	12	20	N	18	42	W		2106-1	HIGH SPEED NET
GN	2	261	63	09	26	13	06	N	19	05	W		0500-1	HIGH SPEED NET
GN	2	262	63	09	26	14	04	N	21	06	W		1317-1	PRODUCTIVITY
GN	2	263	63	09	26	14	15	N	21	14	W		1444-1	TRAWL
GN	2	264	63	09	26	14	45	N	21	51	W		2103-1	HIGH SPEED NET
GN	2	265	63	09	27	15	39	N	23	25	W		0600-2	HIGH SPEED NET
GN	2	266	63	09	27	16	26	N	24	44	W		1437-2	TRAWL
GN	2	267	63	09	27	17	03	N	25	47	W		2200-2	HIGH SPEED NET
GN	2	268	63	09	28	17	50	N	26	59	W		0605-2	HIGH SPEED NET
GN	2	269	63	09	28	18	44	N	28	09	W		1400-2	PRODUCTIVITY
GN	2	270	63	09	28	18	44	N	28	09	W		1500-2	TRAWL
GN	2	271	63	09	28	19	17	N	29	08	W		2200-2	HIGH SPEED NET
GN	2	272	63	09	29	20	03	N	30	25	W		0607-2	HIGH SPEED NET
GN	2	273	63	09	29	20	48	N	31	48	W		1425-2	TRAWL
GN	2	274	63	09	29	21	25	N	32	52	W		2200-2	HIGH SPEED NET
GN	2	275	63	09	30	22	10	N	34	12	W		0605-2	HIGH SPEED NET
GN	2	276	63	09	30	23	00	N	35	34	W		1412-2	PRODUCTIVITY
GN	2	277	63	09	30	23	00	N	35	34	W		1506-2	TRAWL
GN	2	278	63	09	30	23	27	N	36	22	W		2200-2	HIGH SPEED NET
GN	2	279	63	10	01	24	08	N	39	40	W		0605-2	HIGH SPEED NET
GN	2	280	63	10	01	24	55	N	38	59	W		1413-2	TRAWL
GN	2	282	63	10	02	26	13	N	41	39	W		0702-3	HIGH SPEED NET
GN	2	283	63	10	02	26	51	N	35	34	W		1450-3	PRODUCTIVITY
GN	2	284	63	10	02	26	51	N	42	56	W		1535-3	TRAWL
GN	2	285	63	10	02	27	21	N	44	00	W		2300-3	HIGH SPEED NET
GN	2	286	63	10	03	27	57	N	45	20	W		0702-3	HIGH SPEED NET
GN	2	287	63	10	03	28	43	N	46	47	W		1513-3	TRAWL
GN	2	288	63	10	03	27	12	N	47	56	W		2300-3	HIGH SPEED NET
GN	2	289	63	10	04	29	46	N	49	23	W		0700-3	HIGH SPEED NET
GN	2	290	63	10	04	30	25	N	50	51	W		1510-3	TRAWL
GN	2	291	63	10	04	30	47	N	52	05	W		2300-3	HIGH SPEED NET
GN	2	292	63	10	05	31	15	N	53	33	W		0701-3	HIGH SPEED NET
GN	2	293	63	10	05	31	49	N	55	19	W		1509-3	TRAWL

CRUISE		STA	YR	MO	DA	LAT	LONG	BDM	GMT Z	TYPE OBSERV
GN	2	294	63	10	05	32 15 N	56 28 W		2300-3	HIGH SPEED NET
GN	2	295	63	10	06	32 49 N	58 03 W		0800-4	HIGH SPEED NET
GN	2	296	63	10	07	33 44 N	61 19 W		0005-4	HIGH SPEED NET
GN	2	297	63	10	07	34 24 N	62 56 W		0800-4	HIGH SPEED NET
GN	2	298	63	10	07	34 48 N	64 48 W		1615-4	TRAWL
GN	2	299	63	10	08	35 07 N	66 01 W		0005-4	HIGH SPEED NET
GN	2	300	63	10	08	35 29 N	67 10 W		0800-4	HIGH SPEED NET
GN	2	301	63	10	08	35 53 N	69 42 W		1624-4	TRAWL
GN	2	302	63	10	09	36 11 N	70 51 W		0005-4	HIGH SPEED NET
GN	2	303	63	10	09	36 34 N	72 52 W		0800-4	HIGH SPEED NET

APPENDIX 1 (continued)

GERONIMO CRUISE 3

January 19 to April 20, 1964

OBSERVATION CODES

BDM	- Bottom depth, meters
C-B NET	- Clarke-Bumpus net
D-D SAMPLER	- Discrete-depth sampler
GMT	- Greenwich Mean Time
HYDRO	- Hydrographic
ICITA NET	- Plankton net

CRUISE		STA	YR	MO	DA	LAT	LONG	BDM	GMT	Z	TYPE OBSERV
GN	3	001	64	01	19	36 06 N	69 34 W		0500	-L	ICITA NET
GN	3	001	64	01	19	36 06 N	69 43 W		0500	-L	HIGH SPEED NET
GN	3	002	64	01	19	35 35 N	67 13 W		1148	-L	PRODUCTIVITY
GN	3	003	64	01	20	34 46 N	64 35 W		0000	-L	HIGH SPEED NET
GN	3	004	64	01	20	34 26 N	62 47 W		1222	-L	PRODUCTIVITY
GN	3	005	64	01	21	34 04 N	60 34 W		0000	-L	ICITA NET
GN	3	005	64	01	21	34 04 N	60 34 W		0000	-L	HIGH SPEED NET
GN	3	006	64	01	24	28 08 N	44 39 W		1211	-L	PRODUCTIVITY
GN	3	007	64	01	25	27 24 N	42 40 W		0310	-L	ICITA NET
GN	3	008	64	01	25	26 38 N	40 14 W		1453	-L	PRODUCTIVITY
GN	3	009	64	01	26	25 48 N	37 56 W		0019	-L	ICITA NET
GN	3	010	64	01	26	25 42 N	36 43 W		1240	-L	PRODUCTIVITY
GN	3	011	64	01	27	24 48 N	29 48 W		0210	-L	ICITA NET
GN	3	011	64	01	27	24 48 N	29 48 W		0210	-L	HIGH SPEED NET
GN	3	012	64	01	27	24 18 N	33 08 W		1430	-L	PRODUCTIVITY
GN	3	013	64	01	28	23 22 N	31 32 W		0200	-L	ICITA NET
GN	3	013	64	01	28	23 22 N	31 32 W		0200	-L	HIGH SPEED NET
GN	3	014	64	01	28	23 34 N	29 37 W		1405	-L	PRODUCTIVITY
GN	3	015	64	01	29	21 31 N	27 58 W		0200	-L	PRODUCTIVITY
GN	3	015	64	01	29	21 31 N	27 58 W		0200	-L	ICITA NET
GN	3	015	64	01	29	21 31 N	27 58 W		0200	-L	HIGH SPEED NET
GN	3	017	64	01	30	19 39 N	24 45 W		0100		PRODUCTIVITY
GN	3	017	64	01	30	19 39 N	24 45 W		0100		ICITA NET
GN	3	017	64	01	30	19 39 N	24 45 W		0100	-	HIGH SPEED NET
GN	3	019	64	01	31	17 21 N	21 24 W		0100		HIGH SPEED NET
GN	3	020	64	01	31	16 05 N	19 47 W		1330		ICITA NET
GN	3	020	64	01	31	16 05 N	19 47 W		1330		HIGH SPEED NET
GN	3	021	64	02	01	15 21 N	18 41 W		0100		ICITA NET
GN	3	021	64	02	01	15 21 N	18 41 W		0100		HIGH SPEED NET
GN	3	022	64	02	05	11 30 N	17 13 W		2300		ICITA NET
GN	3	023	64	02	06	09 57 N	15 57 W		1319		PRODUCTIVITY
GN	3	024	64	02	07	09 07 N	14 34 W		0013		ICITA NET
GN	3	025	64	02	08	07 31 N	13 38 W		1310		PRODUCTIVITY
GN	3	026	64	02	09	06 11 N	11 30 W		0008		ICITA NET
GN	3	026	64	02	09	06 11 N	11 30 W		0008		NIGHT LIGHT
GN	3	027	64	02	09	05 22 N	10 02 W		1254		PRODUCTIVITY
GN	3	028	64	02	10	04 23 N	08 15 W		0006		ICITA NET
GN	3	028	64	02	10	04 23 N	08 15 W		0006		HIGH SPEED NET
GN	3	028	64	02	10	04 23 N	08 15 W		0006		NIGHT LIGHT
GN	3	029	64	02	10	04 08 N	07 30 W	1225	0655		HYDRO
GN	3	030	64	02	10	03 39 N	07 31 W		1025		FISHING
GN	3	031	64	02	10	03 21 N	07 31 W		1235		FISHING
GN	3	032	64	02	10	03 21 N	07 31 W		1250		PRODUCTIVITY
GN	3	033	64	02	10	02 34 N	07 25 W	4572	1815		HYDRO
GN	3	034	64	02	11	02 55 N	06 40 W		0026		ICITA NET
GN	3	034	64	02	11	02 55 N	06 40 W		0026		D-D SAMPLER
GN	3	034	64	02	11	02 55 N	06 40 W		0026		NIGHT LIGHT
GN	3	035	64	02	11	03 15 N	06 43 W	4572	0505		HYDRO
GN	3	036	64	02	11	03 53 N	06 36 W		0950		FISHING
GN	3	037	64	02	11	04 02 N	06 30 W		1030		FISHING
GN	3	038	64	02	11	04 07 N	06 24 W		1110		FISHING
GN	3	039	64	02	11	04 11 N	06 17 W		1225		FISHING
GN	3	040	64	02	11	04 13 N	06 16 W		1241		PRODUCTIVITY
GN	3	041	64	02	11	04 21 N	06 20 W		1405		FISHING
GN	3	042	64	02	11	04 32 N	06 30 W	0183	1710		HYDRO
GN	3	043	64	02	12	04 51 N	05 30 W		0009		ICITA NET
GN	3	043	64	02	12	04 51 N	05 30 W		0009		HIGH SPEED NET
GN	3	043	64	02	12	04 51 N	05 30 W		0009		NIGHT LIGHT
GN	3	044	64	02	12	04 53 N	05 31 W	0183	0315		HYDRO
GN	3	045	64	02	12	03 54 N	05 28 W		1236		PRODUCTIVITY

CRUISE		STA	YR	MO	DA	LAT			LONG			BOM	GMT	Z	TYPE OBSERV
GN	3	046	64	02	12	03	20	N	05	34	W	4206	1713		HYDRO
GN	3	047	64	02	13	03	31	N	04	32	W		0006		ICITA NET
GN	3	047	64	02	13	03	31	N	04	32	W		0006		HIGH SPEED NET
GN	3	047	64	02	13	03	31	N	04	32	W		0006		NIGHT LIGHT
GN	3	048	64	02	13	03	28	N	04	25	W	3658	0550		HYDRO
GN	3	049	64	02	13	03	43	N	04	27	W		0815		FISHING
GN	3	050	64	02	13	03	45	N	04	29	W		0845		FISHING
GN	3	051	64	02	13	04	34	N	04	26	W		1232		PRODUCTIVITY
GN	3	052	64	02	13	04	38	N	04	25	W		1335		FISHING
GN	3	054	64	02	13	04	58	N	04	28	W	0677	1545		HYDRO
GN	3	055	64	02	13	05	03	N	03	56	W		1940		ICITA NET
GN	3	055	64	02	13	05	03	N	03	56	W		1940		HIGH SPEED NET
GN	3	055	64	02	13	05	03	N	03	56	W		1940		NIGHT LIGHT
GN	3	055	64	02	13	05	03	N	03	56	W		1940		TRAWL
GN	3	056	64	02	14	03	53	N	03	31	W	0503	1010		HYDRO
GN	3	057	64	02	14	04	37	N	03	33	W		1228		PRODUCTIVITY
GN	3	058	64	02	14	04	01	N	03	31	W		1630		FISHING
GN	3	059	64	02	14	03	26	N	04	30	W	4023	1945		HYDRO
GN	3	060	64	02	15	03	16	N	02	59	W		0016		ICITA NET
GN	3	060	64	02	15	03	16	N	02	59	W		0016		HIGH SPEED NET
GN	3	060	64	02	15	03	16	N	02	59	W		0016		D-D SAMPLER
GN	3	061	64	02	15	03	06	N	02	29	W	4663	0600		HYDRO
GN	3	062	64	02	15	03	27	N	02	32	W		0815		FISHING
GN	3	063	64	02	15	03	56	N	02	28	W		1224		PRODUCTIVITY
GN	3	064	64	02	15	04	07	N	02	37	W		1452		FISHING
GN	3	065	64	02	15	04	36	N	02	30	W	0183	1755		HYDRO
GN	3	066	64	02	16	04	16	N	01	34	W		0007		ICITA NET
GN	3	066	64	02	16	04	16	N	01	34	W		0007		HIGH SPEED NET
GN	3	066	64	02	16	04	16	N	01	34	W		0007		NIGHT LIGHT
GN	3	067	64	02	16	04	14	N	01	28	W	0170	0550		HYDRO
GN	3	068	64	02	16	03	19	N	01	25	W		1220		PRODUCTIVITY
GN	3	069	64	02	16	02	45	N	01	31	W	5029	1630		HYDRO
GN	3	069	64	02	16	02	45	N	01	31	W	5029	1630		D-D SAMPLER
GN	3	070	64	02	17	03	13	N	00	46	W		0009		ICITA NET
GN	3	070	64	02	17	03	13	N	00	46	W		0009		HIGH SPEED NET
GN	3	070	64	02	17	03	13	N	00	46	W		0009		NIGHT LIGHT
GN	3	071	64	02	17	03	27	N	00	32	W	4846	0538		HYDRO
GN	3	072	64	02	17	04	15	N	00	32	W		1045		FISHING
GN	3	073	64	02	17	04	18	N	00	29	W		1120		FISHING
GN	3	074	64	02	17	04	20	N	00	29	W		1200		PRODUCTIVITY
GN	3	075	64	02	17	04	30	N	00	29	W		1335		ICITA NET
GN	3	076	64	02	17	04	36	N	00	28	W		1415		FISHING
GN	3	077	64	02	17	04	40	N	00	29	W		1535		FISHING
GN	3	078	64	02	17	04	40	N	00	30	W		1550		FISHING
GN	3	079	64	02	17	04	49	N	00	28	W		1655		FISHING
GN	3	080	64	02	17	04	55	N	00	30	W	0329	1808		HYDRO
GN	3	081	64	02	18	05	26	N	00	15	E		0007		ICITA NET
GN	3	081	64	02	18	05	26	N	00	15	E		0007		HIGH SPEED NET
GN	3	081	64	02	18	05	26	N	00	15	E		0007		NIGHT LIGHT
GN	3	082	64	02	18	05	35	N	00	31	E	0366	0545		HYDRO
GN	3	083	64	02	18	04	41	N	00	30	E		1200		PRODUCTIVITY
GN	3	084	64	02	18	04	24	N	00	32	E		1410		FISHING
GN	3	085	64	02	18	04	24	N	00	32	E		1430		TRAWL
GN	3	086	64	02	18	04	12	N	00	32	E		1530		FISHING
GN	3	087	64	02	18	04	09	N	00	32	E		1720		FISHING
GN	3	088	64	02	18	04	06	N	00	30	E		1750		FISHING
GN	3	089	64	02	18	04	06	N	00	30	E	4206	1800		HYDRO
GN	3	090	64	02	19	04	27	N	01	21	E		0009		ICITA NET
GN	3	090	64	02	19	04	27	N	01	21	E		0009		HIGH SPEED NET
GN	3	090	64	02	19	04	27	N	01	21	E		0009		NIGHT LIGHT

CRUISE		STA	YR	MO	DA	LAT		LONG		BDM	GMT	Z	TYPE OBSERV
GN	3	091	64	02	19	04 32	N	01 34	E	4023	0540		HYDRO
GN	3	092	64	02	19	05 35	N	01 30	E		1200		PRODUCTIVITY
GN	3	093	64	02	19	05 55	N	01 28	E		1440		FISHING
GN	3	094	64	02	19	05 58	N	01 28	E		1550		FISHING
GN	3	095	64	02	19	05 59	N	01 28	E	0366	1600		HYDRO
GN	3	096	64	02	19	06 01	N	02 30	E		2230		ICITA NET
GN	3	096	64	02	19	06 01	N	02 30	E		2230		HIGH SPEED NET
GN	3	097	64	02	20	06 04	N	02 30	E	0503	0540		HYDRO
GN	3	098	64	02	20	05 29	N	02 37	E		0945		TRAWL
GN	3	099	64	02	20	05 26	N	02 37	E		1200		PRODUCTIVITY
GN	3	100	64	02	20	04 35	N	02 30	E	3658	1800		HYDRO
GN	3	101	64	02	21	04 36	N	03 20	E		0010		ICITA NET
GN	3	101	64	02	21	04 36	N	03 20	E		0010		HIGH SPEED NET
GN	3	102	64	02	21	04 33	N	03 35	E	2743	0535		HYDRO
GN	3	103	64	02	21	05 17	N	03 31	E		1140		FISHING
GN	3	104	64	02	21	05 17	N	03 31	E		1215		PRODUCTIVITY
GN	3	105	64	02	21	05 58	N	03 28	E		1635		FISHING
GN	3	106	64	02	21	06 03	N	03 28	E	0219	1745		HYDRO
GN	3	107	64	02	22	05 16	N	00 10	E		1300		FISHING
GN	3	108	64	02	23	04 24	N	01 57	W	0091	0610		HYDRO
GN	3	108	64	02	23	04 24	N	01 57	W	0091	0610		ICITA NET
GN	3	109	64	02	23	04 17	N	01 57	W	0366	0720		HYDRO
GN	3	110	64	02	23	03 36	N	01 57	W	4828	1221		PRODUCTIVITY
GN	3	110	64	02	23	03 36	N	01 57	W	4828	1221		ICITA NET
GN	3	111	64	02	23	02 57	N	01 58	W	4938	1810		HYDRO
GN	3	111	64	02	23	02 57	N	01 58	W	4938	1810		ICITA NET
GN	3	112	64	02	23	02 47	N	01 36	W		2140		ICITA NET
GN	3	112	64	02	23	02 47	N	01 36	W		2140		HIGH SPEED NET
GN	3	112	64	02	23	02 47	N	01 36	W		2140		D-D SAMPLER
GN	3	112	64	02	23	02 47	N	01 36	W		2140		NIGHT LIGHT
GN	3	113	64	02	24	02 51	N	01 25	W	4938	0525		HYDRO
GN	3	113	64	02	24	02 51	N	01 25	W	4938	0525		ICITA NET
GN	3	114	64	02	24	03 25	N	01 31	W		0945		FISHING
GN	3	115	64	02	24	03 25	N	01 31	W	4572	1040		HYDRO
GN	3	115	64	02	24	03 25	N	01 31	W	4572	1040		ICITA NET
GN	3	116	64	02	24	03 27	N	01 33	W		1219		PRODUCTIVITY
GN	3	117	64	02	24	04 14	N	01 30	W	0311	1650		HYDRO
GN	3	117	64	02	24	04 14	N	01 30	W	0311	1650		ICITA NET
GN	3	118	64	02	24	04 20	N	01 30	W	0091	1825		HYDRO
GN	3	118	64	02	24	04 20	N	01 30	W	0091	1825		ICITA NET
GN	3	119	64	02	24	04 27	N	01 06	W		2115		ICITA NET
GN	3	119	64	02	24	04 27	N	01 06	W		2115		HIGH SPEED NET
GN	3	119	64	02	24	04 27	N	01 06	W		2115		NIGHT LIGHT
GN	3	120	64	02	25	04 27	N	00 54	W	0091	0520		HYDRO
GN	3	121	64	02	25	04 25	N	00 54	W	0411	0620		HYDRO
GN	3	121	64	02	25	04 25	N	00 54	W	0411	0620		ICITA NET
GN	3	122	64	02	25	03 52	N	00 50	W	4965	1145		HYDRO
GN	3	122	64	02	25	03 52	N	00 50	W	4965	1145		ICITA NET
GN	3	123	64	02	25	02 54	N	01 00	W	4572	1847		HYDRO
GN	3	123	64	02	25	02 54	N	01 00	W	4572	1847		ICITA NET
GN	3	124	64	02	25	03 21	N	00 35	W		2325		ICITA NET
GN	3	124	64	02	25	03 21	N	00 35	W		2325		HIGH SPEED NET
GN	3	124	64	02	25	03 21	N	00 35	W		2325		NIGHT LIGHT
GN	3	125	64	02	26	03 34	N	00 26	W	4572	0530		HYDRO
GN	3	126	64	02	26	04 15	N	00 30	W	4023	1110		HYDRO
GN	3	126	64	02	26	04 15	N	00 30	W	4023	1110		PRODUCTIVITY
GN	3	126	64	02	26	04 15	N	00 30	W	4023	1110		ICITA NET
GN	3	127	64	02	26	04 49	N	00 28	W		1555		FISHING
GN	3	128	64	02	26	04 58	N	00 31	W	0366	1650		HYDRO
GN	3	129	64	02	26	04 58	N	00 31	W		1740		FISHING

CRUISE		STA	YR	MO	DA	LAT		LONG		BDM	GMT	Z	TYPE OBSERV
GN	3	130	64	02	26	04 58	N	00 30	W	0091	1810		HYDRO
GN	3	130	64	02	26	04 58	N	00 30	W	0091	1810		HYDRO
GN	3	130	64	02	26	04 58	N	00 30	W	0091	1810		TRAWL
GN	3	131	64	02	26	05 18	N	00 09	W		2340		ICITA NET
GN	3	131	64	02	26	05 18	N	00 09	W		2340		HIGH SPEED NET
GN	3	131	64	02	26	05 18	N	00 09	W		2340		NIGHT LIGHT
GN	3	132	64	02	27	05 31	N	00 10	W	0110	0535		HYDRO
GN	3	132	64	02	27	05 31	N	00 10	W	0110	0535		ICITA NET
GN	3	133	64	02	27	05 28	N	00 10	W	0375	0615		HYDRO
GN	3	133	64	02	27	05 28	N	00 10	W	0375	0615		ICITA NET
GN	3	134	64	02	27	05 10	N	00 03	E		0940		FISHING
GN	3	135	64	02	27	04 48	N	00 01	E	4206	1140		HYDRO
GN	3	135	64	02	27	04 48	N	00 01	E	4206	1140		PRODUCTIVITY
GN	3	135	64	02	27	04 48	N	00 01	E	4206	1140		ICITA NET
GN	3	136	64	02	27	03 56	N	00 07	E	2743	1830		HYDRO
GN	3	136	64	02	27	03 56	N	00 07	E	2743	1830		ICITA NET
GN	3	137	64	02	27	04 04	N	00 24	E		2225		ICITA NET
GN	3	137	64	02	27	04 04	N	00 24	E		2225		HIGH SPEED NET
GN	3	137	64	02	27	04 04	N	00 24	E		2225		D-D SAMPLER
GN	3	137	64	02	27	04 04	N	00 24	E		2225		NIGHT LIGHT
GN	3	138	64	02	28	04 16	N	00 39	E	2743	0540		HYDRO
GN	3	138	64	02	28	04 16	N	00 39	E	2743	0540		ICITA NET
GN	3	139	64	02	28	04 58	N	00 36	E	3475	1110		HYDRO
GN	3	139	64	02	28	04 58	N	00 36	E	3475	1110		PRODUCTIVITY
GN	3	139	64	02	28	04 58	N	00 36	E	3475	1110		ICITA NET
GN	3	140	64	02	28	05 09	N	00 36	E		1310		FISHING
GN	3	141	64	02	28	05 10	N	00 40	E		1350		FISHING
GN	3	142	64	02	28	05 10	N	00 42	E		1410		FISHING
GN	3	143	64	02	28	05 13	N	00 42	E		1425		TRAWL
GN	3	144	64	02	28	05 18	N	00 47	E		1555		FISHING
GN	3	145	64	02	28	05 34	N	00 30	E	0366	1915		HYDRO
GN	3	145	64	02	28	05 34	N	00 30	E	0366	1915		ICITA NET
GN	3	145	64	02	28	05 34	N	00 30	E	0366	1915		NIGHT LIGHT
GN	3	146	64	02	28	05 36	N	00 31	E	0091	2040		HYDRO
GN	3	146	64	02	28	05 36	N	00 31	E	0091	2040		ICITA NET
GN	3	147	64	02	28	05 41	N	00 53	E		2328		ICITA NET
GN	3	147	64	02	28	05 41	N	00 53	E		2328		HIGH SPEED NET
GN	3	148	64	02	29	05 42	N	01 01	E	0640	0600		HYDRO
GN	3	148	64	02	29	05 42	N	01 01	E	0640	0600		ICITA NET
GN	3	149	64	02	29	04 59	N	00 58	E	3658	1123		HYDRO
GN	3	149	64	02	29	04 59	N	00 58	E	3658	1123		ICITA NET
GN	3	150	64	02	29	04 12	N	01 00	E	3658	1735		HYDRO
GN	3	150	64	02	29	04 12	N	01 00	E	3658	1735		ICITA NET
GN	3	151	64	02	29	04 27	N	01 24	E		2115		ICITA NET
GN	3	151	64	02	29	04 27	N	01 24	E		2115		HIGH SPEED NET
GN	3	152	64	03	01	04 31	N	01 55	E	3658	0535		HYDRO
GN	3	152	64	03	01	04 31	N	01 55	E	3658	0535		ICITA NET
GN	3	153	64	03	01	05 14	N	01 30	E	2743	1205		HYDRO
GN	3	153	64	03	01	05 14	N	01 30	E	2743	1205		PRODUCTIVITY
GN	3	153	64	03	01	05 14	N	01 30	E	2743	1205		ICITA NET
GN	3	154	64	03	06	03 17	N	00 06	E		1212		PRODUCTIVITY
GN	3	154	64	03	06	03 17	N	00 06	E		1212		C-B NET
GN	3	155	64	03	06	02 03	N	01 07	W		2200		ICITA NET
GN	3	155	64	03	06	02 03	N	01 07	W		2200		C-B NET
GN	3	155	64	03	06	02 03	N	01 07	W		2200		NIGHT LIGHT
GN	3	156	64	03	07	00 54	N	02 19	W		1210		PRODUCTIVITY
GN	3	157	64	03	07	00 01	N	03 26	W		2200		ICITA NET
GN	3	158	64	03	08	01 46	S	05 02	W		1232		PRODUCTIVITY
GN	3	159	64	03	08	03 00	S	06 00	W		2215		HYDRO
GN	3	159	64	03	08	03 00	S	06 00	W		2215		ICITA NET

CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	TYPE OBSERV
GN	3	159	64	03	08	03	00	S	06	00	W		2215		C-B NET
GN	3	159	64	03	08	03	00	S	06	00	W		2215		HIGH SPEED NET
GN	3	159	64	03	08	03	00	S	06	00	W		2215		TRAWL
GN	3	160	64	03	09	03	06	S	02	25	W		1240		PRODUCTIVITY
GN	3	161	64	03	09	03	00	S	08	00	W		1630		HYDRO
GN	3	161	64	03	09	03	00	S	08	00	W		1630		ICITA NET
GN	3	161	64	03	09	03	00	S	08	00	W		1630		C-B NET
GN	3	161	64	03	09	03	00	S	08	00	W		1630		HIGH SPEED NET
GN	3	161	64	03	09	03	00	S	08	00	W		1630		TRAWL
GN	3	162	64	03	10	02	00	S	08	00	W		0815		HYDRO
GN	3	162	64	03	10	02	00	S	08	00	W		0815		PRODUCTIVITY
GN	3	162	64	03	10	02	00	S	08	00	W		0815		ICITA NET
GN	3	162	64	03	10	02	00	S	08	00	W		0815		C-B NET
GN	3	162	64	03	10	02	00	S	08	00	W		0815		HIGH SPEED NET
GN	3	162	64	03	10	02	00	S	08	00	W		0815		TRAWL
GN	3	163	64	03	10	01	00	S	08	00	W		2055		HYDRO
GN	3	163	64	03	10	01	00	S	08	00	W		2055		ICITA NET
GN	3	163	64	03	10	01	00	S	08	00	W		2055		C-B NET
GN	3	163	64	03	10	01	00	S	08	00	W		2055		HIGH SPEED NET
GN	3	163	64	03	10	01	00	S	08	00	W		2055		TRAWL
GN	3	164	64	03	11	00	30	S	08	00	W		0535		HYDRO
GN	3	164	64	03	11	00	30	S	08	00	W		0535		PRODUCTIVITY
GN	3	164	64	03	11	00	30	S	08	00	W		0535		DROGUE
GN	3	164	64	03	11	00	30	S	08	00	W		0535		ICITA NET
GN	3	164	64	03	11	00	30	S	08	00	W		0535		C-B NET
GN	3	164	64	03	11	00	30	S	08	00	W		0535		TRAWL
GN	3	165	64	03	11	00	00	S	08	00	W		1705		HYDRO
GN	3	165	64	03	11	00	00	S	08	00	W		1705		ICITA NET
GN	3	165	64	03	11	00	00	S	08	00	W		1705		C-B NET
GN	3	165	64	03	11	00	00	S	08	00	W		1705		TRAWL
GN	3	166	64	03	12	00	30	N	08	00	W		0345		HYDRO
GN	3	166	64	03	12	00	30	N	08	00	W		0345		ICITA NET
GN	3	166	64	03	12	00	30	N	08	00	W		0345		C-B NET
GN	3	166	64	03	12	00	30	N	08	00	W		0345		TRAWL
GN	3	167	64	03	12	00	01	S	08	00	W		1242		HYDRO
GN	3	167	64	03	12	00	01	S	08	00	W		1242		PRODUCTIVITY
GN	3	167	64	03	12	00	01	S	08	00	W		1242		DROGUE
GN	3	167	64	03	12	00	01	S	08	00	W		1242		ICITA NET
GN	3	168	64	03	13	01	00	N	08	00	W		2250		HYDRO
GN	3	168	64	03	13	01	00	N	08	00	W		2250		ICITA NET
GN	3	168	64	03	13	01	00	N	08	00	W		2250		C-B NET
GN	3	168	64	03	13	01	00	N	08	00	W		2250		TRAWL
GN	3	169	64	03	14	02	00	N	08	00	W		1035		HYDRO
GN	3	169	64	03	14	02	00	N	08	00	W		1035		PRODUCTIVITY
GN	3	169	64	03	14	02	00	N	08	00	W		1035		ICITA NET
GN	3	169	64	03	14	02	00	N	08	00	W		1035		C-B NET
GN	3	170	64	03	14	03	00	N	08	00	W		2200		HYDRO
GN	3	170	64	03	14	03	00	N	08	00	W		2200		ICITA NET
GN	3	171	64	03	15	03	30	N	08	00	W		0235		HYDRO
GN	3	172	64	03	15	04	00	N	08	00	W		0730		HYDRO
GN	3	173	64	03	15	03	27	N	07	59	W		1245		PRODUCTIVITY
GN	3	174	64	03	15	03	00	N	08	00	W		1505		HYDRO
GN	3	174	64	03	15	03	00	N	08	00	W		1505		DROGUE
GN	3	174	64	03	15	03	00	N	08	00	W		1505		ICITA NET
GN	3	175	64	03	16	03	22	N	07	18	W		1245		PRODUCTIVITY
GN	3	176	64	03	16	03	30	N	07	00	W		1455		HYDRO
GN	3	177	64	03	16	03	35	N	05	42	W		2310		ICITA NET
GN	3	178	64	03	17	03	30	N	05	00	W		0415		HYDRO
GN	3	179	64	03	17	04	29	N	03	55	W		1225		HYDRO
GN	3	179	64	03	17	04	29	N	03	55	W		1225		PRODUCTIVITY

CRUISE		STA	YR	MO	DA	LAT	LONG	BDM	GMT	Z	TYPE OBSERV
GN	3	179	64	03	17	04 29 N	03 55 W		1225		ICITA NET
GN	3	180	64	03	17	04 32 N	03 49 W		1550		FISHING
GN	3	181	64	03	17	05 00 N	04 00 W		1825		HYDRO
GN	3	181	64	03	17	05 00 N	04 00 W		1825		ICITA NET
GN	3	181	64	03	17	05 00 N	04 00 W		1825		TRAWL
GN	3	182	64	03	18	04 00 N	04 00 W		0315		HYDRO
GN	3	182	64	03	18	04 00 N	04 00 W		0315		ICITA NET
GN	3	183	64	03	18	03 30 N	02 40 W		1150		HYDRO
GN	3	183	64	03	18	03 30 N	02 40 W		1150		PRODUCTIVITY
GN	3	183	64	03	18	03 30 N	02 40 W		1150		ICITA NET
GN	3	184	64	03	18	03 00 N	04 00 W		2255		HYDRO
GN	3	184	64	03	18	03 00 N	04 00 W		2255		ICITA NET
GN	3	134	64	03	18	03 00 N	04 00 W		2255		C-B NET
GN	3	184	64	03	18	03 00 N	04 00 W		2255		TRAWL
GN	3	185	64	03	19	02 00 N	03 59 W		1230		HYDRO
GN	3	185	64	03	19	02 00 N	03 59 W		1230		PRODUCTIVITY
GN	3	185	64	03	19	02 00 N	03 59 W		1230		ICITA NET
GN	3	185	64	03	19	02 00 N	03 59 W		1230		C-B NET
GN	3	186	64	03	19	01 00 N	04 00 W		2135		HYDRO
GN	3	186	64	03	19	01 00 N	04 00 W		2135		ICITA NET
GN	3	186	64	03	19	01 00 N	04 00 W		2135		C-B NET
GN	3	186	64	03	19	01 00 N	04 00 W		2135		TRAWL
GN	3	187	64	03	20	00 30 N	04 00 W		0510		HYDRO
GN	3	187	64	03	20	00 30 N	04 00 W		0510		ICITA NET
GN	3	188	64	03	20	00 00 N	04 00 W		0920		HYDRO
GN	3	188	64	03	20	00 00 N	04 00 W		0920		PRODUCTIVITY
GN	3	188	64	03	20	00 00 N	04 00 W		0920		DROGUE
GN	3	188	64	03	20	00 00 N	04 00 W		0920		ICITA NET
GN	3	188	64	03	20	00 00 N	04 00 W		0920		C-B NET
GN	3	189	64	03	21	00 16 N	03 53 W		1230		PRODUCTIVITY
GN	3	190	64	03	21	00 30 S	04 00 W		1755		HYDRO
GN	3	190	64	03	21	00 30 S	04 00 W		1755		ICITA NET
GN	3	190	64	03	21	00 30 S	04 00 W		1755		TRAWL
GN	3	191	64	03	21	01 00 S	04 00 W		2328		HYDRO
GN	3	191	64	03	21	01 00 S	04 00 W		2328		ICITA NET
GN	3	192	64	03	22	02 00 S	04 00 W		0705		HYDRO
GN	3	192	64	03	22	02 00 S	04 00 W		0705		ICITA NET
GN	3	192	64	03	22	02 00 S	04 00 W		0705		C-B NET
GN	3	193	64	03	22	03 05 S	04 02 W		1230		HYDRO
GN	3	193	64	03	22	03 05 S	04 02 W		1230		PRODUCTIVITY
GN	3	193	64	03	22	03 05 S	04 02 W		1230		DROGUE
GN	3	193	64	03	22	03 05 S	04 02 W		1230		ICITA NET
GN	3	193	64	03	22	03 05 S	04 02 W		1230		C-B NET
GN	3	193	64	03	22	03 05 S	04 02 W		1230		TRAWL
GN	3	194	64	03	23	03 05 S	03 19 W		1225		PRODUCTIVITY
GN	3	195	64	03	23	03 00 S	02 00 W		2055		HYDRO
GN	3	195	64	03	23	03 00 S	02 00 W		2055		ICITA NET
GN	3	195	64	03	23	03 00 S	02 00 W		2055		TRAWL
GN	3	196	64	03	24	03 00 S	00 53 W		1210		PRODUCTIVITY
GN	3	197	64	03	24	03 00 S	00 00 W		1925		HYDRO
GN	3	197	64	03	24	03 00 S	00 00 W		1925		ICITA NET
GN	3	197	64	03	24	03 00 S	00 00 W		1925		TRAWL
GN	3	198	64	03	25	02 22 S	00 12 E		0355		HYDRO
GN	3	198	64	03	25	02 22 S	00 12 E		0355		ICITA NET
GN	3	198	64	03	25	02 22 S	00 12 E		0355		C-B NET
GN	3	199	64	03	25	01 29 S	00 02 E		1211		PRODUCTIVITY
GN	3	200	64	03	25	01 00 S	00 00 E		1600		HYDRO
GN	3	200	64	03	25	01 00 S	00 00 E		1600		ICITA NET
GN	3	200	64	03	25	01 00 S	00 00 E		1600		C-B NET
GN	3	201	64	03	25	00 30 S	00 00 E		2230		HYDRO

CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	TYPE OBSERV
GN	3	201	64	03	25	00	30	S	00	00	E		2230		ICITA NET
GN	3	201	64	03	25	00	30	S	00	00	E		2230		C-B NET
GN	3	202	64	03	26	00	00	S	00	00	E		0435		HYDRO
GN	3	202	64	03	26	00	00	S	00	00	E		0435		ICITA NET
GN	3	202	64	03	26	00	00	S	00	00	E		0435		C-B NET
GN	3	203	64	03	26	00	30	N	00	00	E		1040		HYDRO
GN	3	204	64	03	26	00	01	S	00	01	W		1745		HYDRO
GN	3	204	64	03	26	00	01	S	00	01	W		1745		PRODUCTIVITY
GN	3	204	64	03	26	00	01	S	00	01	W		1745		DROGUE
GN	3	204	64	03	26	00	01	S	00	01	W		1745		ICITA NET
GN	3	204	64	03	26	00	01	S	00	01	W		1745		C-B NET
GN	3	205	64	03	27	01	00	N	00	00	E		2110		HYDRO
GN	3	205	64	03	27	01	00	N	00	00	E		2110		ICITA NET
GN	3	205	64	03	27	01	00	N	00	00	E		2110		C-B NET
GN	3	206	64	03	28	01	58	N	00	06	W		0648		HYDRO
GN	3	206	64	03	28	01	58	N	00	06	W		0648		ICITA NET
GN	3	206	64	03	28	01	58	N	00	06	W		0648		C-B NET
GN	3	207	64	03	28	02	10	N	00	03	W		1210		PRODUCTIVITY
GN	3	208	64	03	28	02	58	N	00	00	W		1735		HYDRO
GN	3	208	64	03	28	02	58	N	00	00	W		1735		ICITA NET
GN	3	209	64	03	29	04	00	N	00	00	W		0110		HYDRO
GN	3	209	64	03	29	04	00	N	00	00	W		0110		ICITA NET
	3	210	64	03	29	04	30	N	00	00	W		0545		HYDRO
GN	3	210	64	03	29	04	30	N	00	00	W		0545		ICITA NET
GN	3	211	64	03	29	05	00	N	00	00	W		1745		HYDRO
GN	3	211	64	03	29	05	00	N	00	00	W		1745		ICITA NET
GN	3	212	64	04	02	05	11	N	01	02	W		1200		PRODUCTIVITY
GN	3	213	64	04	03	04	59	N	01	16	W		1205		PRODUCTIVITY
GN	3	214	64	04	05	04	13	N	07	52	W		1240		PRODUCTIVITY
GN	3	215	64	04	06	05	27	N	10	53	W		1250		PRODUCTIVITY
GN	3	216	64	04	07	06	42	N	11	33	W		1255		PRODUCTIVITY
GN	3	217	64	04	08	08	25	N	13	20	W		1255		PRODUCTIVITY
GN	3	218	64	04	09	07	33	N	13	30	W		1256		PRODUCTIVITY
GN	3	219	64	04	10	05	05	N	10	07	W		1245		PRODUCTIVITY
GN	3	220	64	04	11	03	25	N	07	30	W	4554	0615		HYDRO
GN	3	220	64	04	11	03	25	N	07	30	W	4554	0615		ICITA NET
GN	3	221	64	04	11	03	53	N	07	27	W		1205		PRODUCTIVITY
GN	3	221	64	04	11	03	53	N	07	27	W		1205		ICITA NET
GN	3	222	64	04	11	04	11	N	07	30	W	0293	1445		HYDRO
GN	3	222	64	04	11	04	11	N	07	30	W	0293	1445		ICITA NET
GN	3	223	64	04	11	04	34	N	07	00	W		2200		NIGHT LIGHT
GN	3	224	64	04	12	04	18	N	07	00	W	0366	0605		HYDRO
GN	3	224	64	04	12	04	18	N	07	00	W	0366	0605		ICITA NET
GN	3	225	64	04	12	03	28	N	07	03	W	4316	1205		HYDRO
GN	3	225	64	04	12	03	28	N	07	03	W	4316	1205		PRODUCTIVITY
GN	3	225	64	04	12	03	28	N	07	03	W	4316	1205		ICITA NET
GN	3	226	64	04	12	03	08	N	07	03	W		1535		FISHING
GN	3	227	64	04	12	03	05	N	07	02	W		1615		FISHING
GN	3	228	64	04	12	02	50	N	07	00	W	4645	1925		HYDRO
GN	3	228	64	04	12	02	50	N	07	00	W	4645	1925		ICITA NET
GN	3	229	64	04	12	03	02	N	06	30	W		2342		ICITA NET
GN	3	229	64	04	12	03	02	N	06	30	W		2342		NIGHT LIGHT
GN	3	230	64	04	13	03	17	N	06	15	W	4572	0525		HYDRO
GN	3	230	64	04	13	03	17	N	06	15	W	4572	0525		ICITA NET
GN	3	231	64	04	13	03	56	N	06	24	W	3566	1210		HYDRO
GN	3	231	64	04	13	03	56	N	06	24	W	3566	1210		PRODUCTIVITY
GN	3	231	64	04	13	03	56	N	06	24	W	3566	1210		ICITA NET
GN	3	232	64	04	13	04	09	N	06	21	W		1445		FISHING
GN	3	233	64	04	13	04	32	N	06	30	W	0247	1915		HYDRO
GN	3	233	64	04	13	04	32	N	06	30	W	0247	1915		ICITA NET

CRUISE		STA	YR	MO	DA	LAT	LONG	BDM	GMT	Z	TYPE OBSERV
GN	3	234	64	04	13	04 44 N	06 12 W		2225		ICITA NET
GN	3	234	64	04	13	04 44 N	06 12 W		2225		NIGHT LIGHT
GN	3	235	64	04	13	04 39 N	06 00 W	0247	0610		HYDRO
GN	3	235	64	04	13	04 39 N	06 00 W	0247	0610		ICITA NET
GN	3	236	64	04	13	04 24 N	06 04 W		0830		FISHING
GN	3	236	64	04	13	04 24 N	06 04 W		0830		TRAWL
GN	3	237	64	04	13	04 08 N	06 01 W	3109	1200		HYDRO
GN	3	237	64	04	13	04 08 N	06 01 W	3109	1200		PRODUCTIVITY
GN	3	237	64	04	13	04 08 N	06 01 W	3109	1200		ICITA NET
GN	3	238	64	04	13	03 26 N	06 00 W	4160	1810		HYDRO
GN	3	239	64	04	13	03 20 N	05 42 W		2020		ICITA NET
GN	3	239	64	04	13	03 20 N	05 42 W		2020		NIGHT LIGHT
GN	3	240	64	04	15	03 26 N	05 30 W	4114	0620		HYDRO
GN	3	240	64	04	15	03 26 N	05 30 W	4114	0620		ICITA NET
GN	3	241	64	04	15	03 40 N	05 30 W		0930		FISHING
GN	3	241	64	04	15	03 40 N	05 30 W		0930		TRAWL
GN	3	242	64	04	15	03 42 N	05 28 W	3475	1230		HYDRO
GN	3	242	64	04	15	03 42 N	05 28 W	3475	1230		PRODUCTIVITY
GN	3	242	64	04	15	03 42 N	05 28 W	3475	1230		ICITA NET
GN	3	243	64	04	15	03 44 N	05 27 W		1410		FISHING
GN	3	244	64	04	15	04 33 N	05 25 W	2195	1910		HYDRO
GN	3	244	64	04	15	04 33 N	05 25 W	2195	1910		ICITA NET
GN	3	245	64	04	15	04 32 N	05 01 W		2240		ICITA NET
GN	3	245	64	04	15	04 32 N	05 01 W		2240		NIGHT LIGHT
GN	3	246	64	04	16	04 33 N	02 49 W		1215		PRODUCTIVITY
GN	3	246	64	04	16	04 33 N	02 49 W		1215		ICITA NET
GN	3	247	64	04	16	04 56 N	01 11 W		2235		ICITA NET
GN	3	247	64	04	16	04 56 N	01 11 W		2235		NIGHT LIGHT
GN	3	248	64	04	17	04 54 N	00 30 W	0411	0610		HYDRO
GN	3	248	64	04	17	04 54 N	00 30 W	0411	0610		ICITA NET
GN	3	249	64	04	17	04 15 N	00 34 W	4490	1205		HYDRO
GN	3	249	64	04	17	04 15 N	00 34 W	4490	1205		PRODUCTIVITY
GN	3	249	64	04	17	04 15 N	00 34 W	4490	1205		ICITA NET
GN	3	250	64	04	17	03 25 N	00 30 W	4828	1830		HYDRO
GN	3	250	64	04	17	03 25 N	00 30 W	4828	1830		ICITA NET
GN	3	251	64	04	17	03 34 N	00 46 W		2130		ICITA NET
GN	3	251	64	04	17	03 34 N	00 46 W		2130		NIGHT LIGHT
GN	3	252	64	04	18	03 52 N	01 03 W	4865	0510		HYDRO
GN	3	252	64	04	18	03 52 N	01 03 W	4865	0510		ICITA NET
GN	3	253	64	04	18	04 23 N	01 02 W	0457	0905		HYDRO
GN	3	253	64	04	18	04 23 N	01 02 W	0457	0905		ICITA NET
GN	3	254	64	04	18	04 33 N	01 02 W		1205		PRODUCTIVITY
GN	3	255	64	04	19	04 13 N	01 30 W	0366	0615		HYDRO
GN	3	255	64	04	19	04 13 N	01 30 W	0366	0615		ICITA NET
GN	3	256	64	04	19	03 28 N	01 36 W	5039	1208		HYDRO
GN	3	256	64	04	19	03 28 N	01 36 W	5039	1208		PRODUCTIVITY
GN	3	256	64	04	19	03 28 N	01 36 W	5039	1208		ICITA NET
GN	3	257	64	04	19	03 27 N	01 35 W		1350		FISHING
GN	3	258	64	04	19	02 50 N	01 32 W	4956	1905		HYDRO
GN	3	258	64	04	19	02 50 N	01 32 W	4956	1905		ICITA NET
GN	3	259	64	04	19	02 51 N	01 42 W		2130		ICITA NET
GN	3	259	64	04	19	02 51 N	01 42 W		2130		NIGHT LIGHT
GN	3	260	64	04	20	02 55 N	02 04 W	5120	0615		HYDRO
GN	3	260	64	04	20	02 55 N	02 04 W	5120	0615		ICITA NET
GN	3	261	64	04	20	03 27 N	02 03 W		1040		FISHING
GN	3	262	64	04	20	03 31 N	02 04 W	4993	1206		HYDRO
GN	3	262	64	04	20	03 31 N	02 04 W	4993	1206		PRODUCTIVITY
GN	3	262	64	04	20	03 31 N	02 04 W	4993	1206		ICITA NET
GN	3	263	64	04	20	03 51 N	01 58 W		1550		FISHING
GN	3	264	64	04	20	03 52 N	01 56 W	4389	1755		HYDRO

CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	Z	TYPE OBSERV
GN 3	264	64	04	20	03 52 N	01 56 W	4389	1755		ICITA NET
GN 3	264	64	04	20	03 52 N	01 56 W	4389	1755		NIGHT LIGHT
GN 3	264	64	04	20	03 52 N	01 56 W	4389	1755		TRAWL

APPENDIX 1 (continued)

GERONIMO CRUISE 4

July 14 to November 2, 1964

OBSERVATION CODES

B	- Bait collection
BT	- Bathythermograph
CB	- Clarke-Bumpus net
D	- Drogue
F	- Fishing
GMT	- Greenwich Mean Time
H	- Hydrographic
MN	- One-meter diameter plankton net
NL	- Night light
NN	- Neuston net
P	- Productivity
STD	- Salinity, temperature, depth

Geronimo Cruise 4

STA	YR	MO	DA	LAT	LONG	GMT	OBSERVATION
1	64	7	14	32 21 N	60 55 W	1600	P
2	64	7	15	32 59 N	56 07 W	1450	P
3	64	7	16	31 44 N	51 38 W	1537	P
4	64	7	16	31 39 N	51 23 W	1710	P
5	64	7	17	31 00 N	49 34 W	0315	NN
6	64	7	17	30 08 N	47 10 W	1500	P
7	64	7	18	29 14 N	45 03 W	0305	NN,NL
8	64	7	18	28 28 N	43 10 W	1335	P
9	64	7	19	27 37 N	41 03 W	0310	MN,NN
10	64	7	19	26 29 N	39 04 W	1545	P,MN
11	64	7	20	25 52 N	37 08 W	0310	MN
12	64	7	20	25 00 N	35 23 W	1520	MN, P
13	64	7	21	24 03 N	33 42 W	0202	MN
14	64	7	21	22 55 N	31 45 W	1415	P,MN
15	64	7	22	21 53 N	29 47 W	0235	MN
16	64	7	22	20 58 N	27 59 W	1558	P,MN
17	64	7	23	19 53 N	26 04 W	0230	MN
18	64	7	23	18 45 N	24 25 W	1450	P,MN
19	64	7	24	17 32 N	22 24 W	0230	MN
20	64	7	24	16 44 N	20 47 W	1335	MN
21	64	7	30	14 40 N	17 18 W	2335	B
22	64	7	31	12 17 N	17 15 W	1315	P
23	64	8	1	9 14 N	14 47 W	1306	P
24	64	8	2	8 26 N	13 19 W	1259	P
25	64	8	3	7 33 N	13 29 W	1300	P
26	64	8	4	5 07 N	9 39 W	1245	P
27	64	8	5	4 10 N	7 29 W	0600	H,MN
28	64	8	5	3 14 N	7 28 W	1238	P,H,MN
29	64	8	5	2 46 N	7 28 W	1850	H,MN
30	64	8	6	2 51 N	7 03 W	0000	MN,NN,NL
31	64	8	6	2 47 N	7 05 W	0608	H,MN
32	64	8	6	3 35 N	7 04 W	1200	F
33	64	8	6	3 35 N	7 06 W	1300	P,H,MN
34	64	8	6	4 20 N	6 59 W	2005	H,MN
35	64	8	7	4 32 N	6 19 W	0007	MN,NN,NL
36	64	8	7	4 32 N	6 19 W	0549	H,MN
37	64	8	7	3 39 N	6 22 W	1225	P,H,MN
38	64	8	7	3 02 N	6 26 W	1905	H,MN
39	64	8	8	3 03 N	6 05 W	0002	MN,NN,NL
40	64	8	8	3 03 N	5 58 W	0550	H,MN
41	64	8	8	3 12 N	5 58 W	0825	F
42	64	8	8	3 51 N	6 01 W	1215	F
43	64	8	8	3 51 N	6 01 W	1245	P,H,MN
44	64	8	8	4 07 N	5 57 W	1630	F
45	64	8	8	4 57 N	6 00 W	2045	B
46	64	8	9	4 59 N	5 51 W	0325	B
47	64	8	9	4 50 N	5 30 W	0855	H,MN
48	64	8	9	4 26 N	5 30 W	1222	P,MN
49	64	8	9	3 47 N	5 30 W	1620	F
50	64	8	9	3 30 N	5 30 W	1812	H

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Geronimo Cruise 4

STA	YR	MO	DA	LAT	LONG	GMT	OBSERVATION
51	64	8	10	3 26 N	5 04 W	0006	MN
52	64	8	10	3 42 N	4 44 W	0540	H,MN
53	64	8	10	4 33 N	5 51 W	1224	P,H,MN
54	64	8	10	4 57 N	5 00 W	1705	H,MN
55	64	8	10	5 06 N	4 56 W	1915	B
56	64	8	11	5 00 N	4 30 W	0759	H,MN
57	64	8	11	4 53 N	4 32 W	0920	F,NN
58	64	8	11	4 34 N	4 34 W	1215	H,P,MN
59	64	8	11	4 30 N	4 30 W	1440	F,NN
60	64	8	11	4 21 N	4 56 W	1802	H,MN
61	64	8	12	3 39 N	4 04 W	0002	MN,NN,NL
62	64	8	12	3 30 N	3 44 W	0539	H,MN
63	64	8	12	3 58 N	3 45 W	0955	F,NN
64	64	8	12	3 59 N	3 44 W	1220	H,P,MN
65	64	8	12	4 37 N	3 43 W	1818	H,MN
66	64	8	13	4 38 N	2 56 W	0005	MN,NL,NN
67	64	8	13	5 09 N	1 03 W	1208	P
68	64	8	13	5 10 N	1 02 W	1900	B
69	64	8	14	4 59 N	1 27 W	1208	P
70	64	8	14	4 59 N	1 25 W	1255	NN
71	64	8	14	4 59 N	1 23 W	1800	B
72	64	8	15	5 05 N	1 08 W	1208	P
73	64	8	15	5 00 N	1 32 W	1800	B
74	64	8	16	4 21 N	2 02 W	0545	H,MN
75	64	8	16	3 50 N	2 00 W	0940	F
76	64	8	16	3 33 N	1 59 W	1212	P,H,F,MN
77	64	8	16	3 03 N	1 59 W	1825	H
78	64	8	17	2 39 N	1 39 W	0000	MN,NN,NL
79	64	8	17	2 39 N	1 39 W	0546	H,MN
80	64	8	17	3 39 N	1 46 W	1215	H,P,MN
81	64	8	17	4 02 N	1 35 W	1548	F
82	64	8	17	4 13 N	1 30 W	1705	F
83	64	8	17	4 13 N	1 25 W	1731	H,MN
84	64	8	18	4 50 N	1 33 W	0000	MN,NN,NL
85	64	8	18	4 23 N	1 01 W	0534	H,MN
86	64	8	18	3 49 N	1 00 W	0920	F
87	64	8	18	3 29 N	1 00 W	1210	H,P,MN
88	64	8	18	2 56 N	1 03 W	1755	H,MN
89	64	8	19	3 25 N	0 30 W	0000	MN,NN,NL
90	64	8	19	3 24 N	0 17 W	0540	H,MN
91	64	8	19	4 18 N	0 16 W	1200	H,P,MN,NN
92	64	8	19	4 56 N	0 27 W	1811	H,MN
93	64	8	20	5 26 N	0 01 W	0004	MN,NN,NL
94	64	8	20	5 24 N	0 01 E	0540	H,MN
95	64	8	20	4 28 N	0 07 E	1205	H,P
96	64	8	20	3 50 N	0 00 E	1805	H,MN
97	64	8	21	3 57 N	0 25 E	0000	MN,NL
98	64	8	21	4 02 N	0 41 E	0535	H,MN
99	64	8	21	4 56 N	0 42 E	1200	H,P,MN
100	64	8	21	5 07 N	0 40 E	1445	-

Geronimo Cruise 4

STA	YR	MO	DA	LAT	LONG	GMT	OBSERVATION
101	64	8	21	5 35 N	0 31 E	1750	H,MN
102	64	8	22	5 43 N	1 03 E	0000	H,MN,NL
103	64	8	22	5 40 N	1 00 E	0537	H,MN
104	64	8	22	5 30 N	1 00 E	0707	F
105	64	8	22	4 51 N	0 58 E	1158	H,P,MN
106	64	8	22	4 26 N	1 03 E	1550	F
107	64	8	22	4 18 N	1 09 E	1807	H,MN
108	64	8	23	4 27 N	1 26 E	0000	MN,NL
109	64	8	23	4 27 N	1 44 E	0540	H,MN
110	64	8	23	5 16 N	1 34 E	1155	H,MN
111	64	8	23	6 00 N	1 39 E	1744	H,MN
112	64	8	24	6 09 N	2 38 E	0000	MN,NL
113	64	8	30	5 01 N	4 00 W	1515	H,MN,NN,NL
114	64	8	31	4 54 N	4 00 W	1217	P
115	64	8	31	4 30 N	4 00 W	1506	H
116	64	8	31	4 00 N	4 00 W	2048	H,MN
117	64	9	1	3 30 N	4 00 W	2036	H,MN
118	64	9	2	3 00 N	3 58 W	0040	H,MN,NL,P
119	64	9	3	2 30 N	4 00 W	0718	H,MN
120	64	9	3	2 01 N	4 00 W	1215	P
121	64	9	3	2 00 N	4 04 W	1530	H,MN,NL
121A	64	9	4	1 59 N	4 06 W	1215	P
122	64	9	4	1 29 N	4 04 W	1800	H,MN
123	64	9	5	1 02 N	3 53 W	0315	H,NL,P
124	64	9	6	0 30 N	3 59 W	0006	H,MN,NL
125	64	9	6	0 01 S	4 01 W	1424	H
126	64	9	7	0 33 S	4 14 W	1048	H,P,MN
127	64	9	8	1 39 S	4 00 W	0225	NL,H,MN,P
128	64	9	8	2 15 S	3 58 W	2206	H,MN
129	64	9	9	3 11 S	3 58 W	0436	H,MN
130	64	9	9	3 10 S	4 50 W	1216	P
131	64	9	9	2 58 S	5 48 W	1818	H,MN
132	64	9	10	2 58 S	6 31 W	0007	MN
133	64	9	10	3 00 S	8 00 W	0912	H,MN
134	64	9	10	2 39 S	7 58 W	1228	P
135	64	9	10	2 15 S	7 58 W	1518	H,MN
136	64	9	11	0 47 S	7 54 W	0936	H,P,MN
137	64	9	12	0 15 S	7 48 W	0600	H,MN
138	64	9	12	0 01 N	7 51 W	1238	P,H,MN,CB
139	64	9	13	0 34 N	8 00 W	2218	H,MN
140	64	9	14	1 09 N	8 03 W	0900	H,P,MN
141	64	9	14	1 30 N	8 01 W	1606	H,MN
142	64	9	15	2 00 N	7 56 W	0242	H,P
143	64	9	15	2 19 N	7 56 W	1227	P
144	64	9	15	2 30 N	7 57 W	1412	H,MN
145	64	9	16	2 58 N	7 54 W	0000	H,MN
146	64	9	16	3 24 N	7 56 W	1136	H,P,MN
147	64	9	16	4 03 N	8 00 W	1842	H,MN
148	64	9	23	8 26 N	13 19 W	2100	B
149	64	9	24	7 06 N	12 34 W	1730	F
150	64	9	26	4 10 N	7 30 W	0730	H

Geronimo Cruise 4

STA	YR	MO	DA	LAT	LONG	GMT	OBSERVATION
151	64	9	26	3 45 N	7 27 W	1115	F,MN,H,P
152	64	9	26	3 41 N	7 26 W	1437	F
153	64	9	26	3 36 N	7 27 W	1550	F
154	64	9	26	3 24 N	7 21 W	1800	H,MN
155	64	9	27	2 48 N	7 05 W	0019	MN,NN,NL
156	64	9	27	2 47 N	6 58 W	0518	H,MN,CB
157	64	9	27	3 26 N	6 56 W	1215	H,P,MN
158	64	9	27	3 36 N	6 55 W	1450	F
159	64	9	27	3 41 N	6 55 W	1605	F
160	64	9	27	3 42 N	6 50 W	1642	F
161	64	9	27	3 49 N	6 47 W	1812	H,MN,B
162	64	9	28	3 50 N	6 41 W	0007	MN,NN
163	64	9	28	4 31 N	6 29 W	0542	H,MN
164	64	9	28	3 38 N	6 29 W	1217	H,MN,P
165	64	9	28	3 34 N	6 26 W	1530	F
166	64	9	28	3 25 N	6 23 W	1650	F,H,MN
167	64	9	29	3 08 N	6 04 W	0006	MN,NN,NL
168	64	9	29	3 04 N	5 56 W	0600	H,MN
169	64	9	29	3 16 N	5 56 W	0915	F
170	64	9	29	3 31 N	5 48 W	1040	F
171	64	9	29	3 40 N	5 48 W	1214	H,P,MN
172	64	9	29	4 08 N	5 58 W	1630	F
173	64	9	29	4 11 N	5 54 W	1715	H,MN,F
174	64	9	30	4 48 N	5 33 W	0003	MN,NN,NL
175	64	9	30	4 49 N	5 30 W	0409	MN,CB,H
176	64	9	30	4 38 N	5 30 W	0845	F
177	64	9	30	4 28 N	5 32 W	1012	F
178	64	9	30	4 08 N	5 32 W	1214	H,P,MN
179	64	9	30	3 23 N	5 30 W	1800	H,MN
180	64	10	1	3 29 N	5 04 W	0007	MN,NN,NL
181	64	10	1	3 28 N	4 57 W	0554	H,MN
182	64	10	1	4 08 N	4 53 W	1045	F
183	64	10	1	4 13 N	4 53 W	1215	H,P,MN,F
184	64	10	1	4 44 N	4 57 W	1620	F
185	64	10	1	4 53 N	4 58 W	1806	H,MN
186	64	10	2	5 01 N	4 34 W	0007	MN,NN,NL
187	64	10	2	5 01 N	4 31 W	0536	H,MN
188	64	10	2	4 44 N	4 33 W	0830	F
189	64	10	2	4 40 N	4 34 W	0920	F
190	64	10	2	4 28 N	4 35 W	1040	F
191	64	10	2	4 19 N	4 36 W	1207	H,P,MN,F
192	64	10	2	4 00 N	4 25 W	1635	H,MN,F
193	64	10	3	3 37 N	4 03 W	0007	MN,NN,NL
194	64	10	3	3 34 N	3 53 W	0302	H,MN,CB
195	64	10	3	4 35 N	3 51 W	1220	H,P,MN
196	64	10	3	5 06 N	4 00 W	1854	H,MN
197	64	10	5	5 58 N	1 30 E	0542	H,MN
198	64	10	5	5 49 N	1 30 E	0723	F
199	64	10	5	5 24 N	1 27 E	1015	F
200	64	10	5	5 16 N	1 27 E	1140	H,P,MN

Geronimo Cruise 4

STA	YR	MO	DA	LAT	LONG	GMT	OBSERVATION
201	64	10	5	4 32 N	1 30 E	1806	H,MN
202	64	10	6	4 05 N	0 53 E	0012	MN,NN,NL
203	64	10	6	4 16 N	0 59 E	0303	MN,CB
204	64	10	6	4 23 N	1 04 E	0530	H,MN
205	64	10	6	5 16 N	1 00 E	1140	H,P,MN
206	64	10	6	5 20 N	1 00 E	1410	F
207	64	10	6	5 38 N	0 57 E	1548	H,MN
208	64	10	7	5 37 N	0 59 E	0009	MN,NN,NL
209	64	10	7	5 35 N	0 30 E	0554	H,MN
210	64	10	7	5 05 N	0 30 E	0940	F
211	64	10	7	5 02 N	0 29 E	1015	F
212	64	10	7	4 49 N	0 28 E	1141	P,H,MN
213	64	10	7	4 05 N	0 31 E	1800	H,MN
214	64	10	8	3 41 N	0 05 W	0010	MN,NL,NN
215	64	10	8	3 55 N	0 13 E	0554	H,MN
216	64	10	8	4 16 N	0 12 E	0900	F
217	64	10	8	4 30 N	0 09 E	1141	H,P,MN
218	64	10	8	4 32 N	0 08 E	1325	F
219	64	10	8	4 58 N	0 09 E	1620	F
220	64	10	8	5 04 N	0 07 E	1710	F
221	64	10	8	5 16 N	0 04 E	1800	H,MN
222	64	10	9	5 16 N	0 15 W	0008	MN,NN,NL
223	64	10	9	4 46 N	0 33 W	0554	H,MN
224	64	10	9	4 00 N	0 35 W	1142	H,P,MN
225	64	10	9	3 54 N	0 32 W	1400	Plankton bloom
226	64	10	9	3 41 N	0 31 W	1625	F
227	64	10	9	3 25 N	0 30 W	1800	H,MN
228	64	10	10	2 53 N	1 02 W	0009	MN,NN,NL
229	64	10	10	2 48 N	1 07 W	0300	MN CB
230	64	10	10	2 50 N	0 55 W	0548	H,MN
231	64	10	10	3 01 N	0 56 W	0800	F
232	64	10	10	3 27 N	0 56 W	1052	F
233	64	10	10	3 33 N	0 56 W	1151	H,P,MN
234	64	10	10	3 48 N	0 58 W	1510	F
235	64	10	10	3 50 N	0 58 W	1620	F
236	64	10	10	4 04 N	0 58 W	1800	H,MN
237	64	10	11	4 18 N	1 34 W	0012	MN,NN
238	64	10	11	4 14 N	1 30 W	0554	H,MN
239	64	10	11	3 24 N	1 29 W	1153	H,P,MN
240	64	10	11	2 44 N	1 25 W	1806	H,MN
241	64	10	12	2 48 N	2 47 W	0010	MN,NN,NL
242	64	10	12	2 50 N	2 04 W	0254	MN,CB
243	64	10	12	2 52 N	1 57 W	0554	H,P
244	64	10	12	3 38 N	2 00 W	1154	P,H,MN
245	64	10	12	4 21 N	2 00 W	1742	H,MN
246	64	10	13	4 35 N	2 35 W	0118	H,MN
247	64	10	13	4 00 N	2 38 W	0542	H,MN
248	64	10	13	3 31 N	2 36 W	1036	H,MN
249	64	10	13	4 09 N	3 10 W	1700	H,MN
250	64	10	19	8 46 N	14 48 W	0000	MN,NN

Geronimo Cruise 4

STA	YR	MO	DA	LAT	LONG	GMT	OBSERVATION
251	64	10	20	12 52 N	18 12 W	0005	MN,NN
252	64	10	20	12 52 N	20 06 W	1312	P
253	64	10	21	14 02 N	21 40 W	0004	MN,NN
254	64	10	21	15 28 N	23 41 W	1319	P
255	64	10	22	16 40 N	25 08 W	0007	MN,NN
256	64	10	22	18 10 N	27 17 W	1233	P
257	64	10	23	19 21 N	29 12 W	0202	MN,NN
258	64	10	23	20 28 N	31 07 W	1349	P
259	64	10	24	21 35 N	33 01 W	0201	MN,NN
260	64	10	24	22 47 N	35 00 W	1404	P
261	64	10	25	23 53 N	37 04 W	0200	MN,NN
262	64	10	25	25 01 N	39 10 W	1420	P
263	64	10	26	26 03 N	41 12 W	0200	MN,NN
264	64	10	26	27 05 N	43 20 W	1337	P
265	64	10	27	28 06 N	45 32 W	0305	MN,NN
266	64	10	27	29 02 N	47 42 W	1455	P, Bacteria
267	64	10	27	30 03 N	49 59 W	0304	MN,NN
268	64	10	28	30 51 N	52 11 W	1512	P
269	64	10	29	31 34 N	52 33 W	0304	MN,NN
270	64	10	29	32 38 N	57 04 W	1610	P,H, Bacteria
271	64	10	30	33 04 N	58 38 W	0305	MN,NN
272	64	10	30	33 50 N	61 22 W	1549	P,Bacteria
273	64	10	31	31 10 N	66 38 W	1610	P
274	64	11	1	36 38 N	72 43 W	1938	Bacteria
275	64	11	2	36 43 N	73 39 W	0400	MN,NN
276	64	11	2	36 47 N	74 30 W	0837	Bacteria

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APPENDIX 1 (continued)

GERONIMO CRUISE 5

January 22 to April 26, 1965

OBSERVATION CODES

B	- Bait collection
BT	- Bathythermograph
CB	- Clarke-Bumpus net
D	- Drogue
F	- Fishing
GMT	- Greenwich Mean Time
H	- Hydrographic
MN	- One meter diameter plankton net
NL	- Night light
NN	- Neuston net
P	- Productivity
STD	- Salinity, Temperature, Depth

GERONIMO CRUISE 5 1965

STA	LATITUDE	LONGITUDE	MO	DA	GMT HR	Observation
1	32 58 N	56 57 W	1	22	4	MN
2	31 40 N	52 19 W	1	23	4	MN
3	30 01 N	47 45 W	1	24	3	MN
4	28 11 N	43 19 W	1	25	3	MN
5	26 08 N	38 50 W	1	26	3	MN
6	24 00 N	34 45 W	1	27	3	MN
7	21 55 N	30 56 W	1	28	2	MN
8	19 32 N	26 57 W	1	29	2	MN
9	17 18 N	23 33 W	1	30	2	MN
10	8 26 N	13 20 W	2	1	13	B
11	8 26 N	13 20 W	2	6	15	B
42	8 32 N	16 56 W	2	14	8	MN
43	8 32 N	16 58 W	2	14	11	F,NN
50	7 14 N	16 33 W	2	15	9	F,NN
60	6 55 N	15 15 W	2	16	16	F
61	6 58 N	15 40 W	2	16	16	F
63	7 02 N	15 56 W	2	16	17	F,NN
82	7 07 N	15 33 W	2	19	8	F
85	6 37 N	15 28 W	2	19	16	F,NN
92	6 40 N	14 59 W	2	20	11	F
94	6 56 N	14 55 W	2	20	15	F,NN
95	6 58 N	14 55 W	2	20	16	F
96	7 05 N	14 53 W	2	20	17	F
97	7 06 N	14 53 W	2	20	17	F
105	8 32 N	15 29 W	2	21	16	F
110	8 40 N	15 02 W	2	22	9	F
112	8 21 N	15 03 W	2	22	11	F
113	8 15 N	15 04 W	2	22	11	F
116	7 51 N	14 58 W	2	22	16	F
129	5 37 N	13 54 W	2	24	10	F
136	7 26 N	14 28 W	2	25	10	F
144	7 28 N	14 06 W	2	26	10	F
146	7 05 N	14 05 W	2	26	12	F
169	6 59 N	13 26 W	3	1	15	F
175	6 15 N	13 06 W	3	2	15	H
176	5 30 N	13 00 W	3	2	21	H
177	7 19 N	12 26 W	3	5	20	B
178	8 27 N	13 19 W	3	6	19	B
179	7 50 N	13 38 W	3	9	19	B
180	7 31 N	12 57 W	3	10	19	B
191	3 35 N	2 00 W	3	15	10	F
197	4 05 N	1 27 W	3	16	6	F
199	3 53 N	1 30 W	3	16	8	F
207	3 15 N	1 07 W	3	17	8	F
209	3 25 N	1 05 W	3	17	10	F
212	3 59 N	0 57 W	3	17	15	F
217	4 28 N	0 33 W	3	17	8	F

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GERONIMO CRUISE 5 1965

STA	LATITUDE	LONGITUDE	MO	DA	GMT HR	OBSERVATION
225	4 13 N	0 05 W	3	19	8	F
227	4 26 N	0 07 W	3	19	9	F
230	5 00 N	0 01 W	3	19	15	F
234	5 25 N	0 32 E	3	20	6	F
241	4 05 N	0 55 E	3	21	4	MN
245	5 13 N	1 03 E	3	21	14	F
263	5 07 N	1 05 W	3	24	18	B
267	4 15 N	1 52 W	3	26	9	F
268	4 17 N	1 45 W	3	26	10	F
275	3 50 N	1 22 W	3	27	8	F
276	3 49 N	1 25 W	3	27	8	F
298	3 24 N	3 07 W	3	30	8	F
301	3 46 N	3 00 W	3	30	13	F
305	5 00 N	0 00 W	4	4	13	F
334	0 03 N	4 31 W	4	4	4	H,D,P,CB
342	1 01 N	4 31 W	4	17	5	H,D,CB
346	3 04 N	4 27 W	4	18	10	D,H,P,CB

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STA NO	LATITUDE	LONGITUDE	DATE MO	DATE DA	HR GMT	OBSERVATION
0012	08 59 N	018 08 W	02	10	05	H,MN,NN
0013	08 43 N	018 08 W	02	10	09	MN
0014	08 27 N	018 03 W	02	10	11	MN
0015	08 08 N	018 04 W	02	10	13	H,P,MN,NN
0016	07 53 N	018 04 W	02	10	17	MN
0017	07 41 N	018 04 W	02	10	18	MN
0018	07 29 N	018 04 W	02	10	20	H,MN,CB,NN
0019	07 31 N	017 28 W	02	11	04	H,MN,NN
0020	07 15 N	017 29 W	02	11	09	MN
0021	07 00 N	017 32 W	02	11	11	MN
0022	06 45 N	017 30 W	02	11	14	H,P,MN,NN
0024	06 14 N	017 30 W	02	11	18	MN
0025	05 57 N	017 30 W	02	11	19	P,MN,NN,NL,CB
0026	06 05 N	017 02 W	02	12	05	H,MN,NN
0027	06 19 N	017 01 W	02	12	09	MN
0029	06 48 N	016 59 W	02	12	14	H,P,MN,NN
0030	07 02 N	016 59 W	02	12	16	MN
0031	07 16 N	016 57 W	02	12	17	MN
0032	07 30 N	017 01 W	02	12	21	H,MN,NN,NL,CB
0033	07 31 N	017 34 W	02	13	05	MN,NL
0034	07 45 N	017 32 W	02	13	09	MN
0035	08 01 N	017 31 W	02	13	11	MN
0036	08 15 N	017 29 W	02	13	15	H,P,MN,NN
0039	09 02 N	017 30 W	02	13	20	MN,H,NN,NL,CB
0040	09 04 N	016 54 W	02	14	05	H,MN,NL
0041	08 47 N	016 54 W	02	14	09	MN
0044	08 17 N	016 57 W	02	14	15	H,P,MN,NN
0045	07 57 N	016 54 W	02	14	17	MN
0046	07 43 N	016 56 W	02	14	19	MN
0047	07 32 N	017 03 W	02	14	20	H,MN,CB
0048	07 34 N	016 35 W	02	15	05	H,MN,NN
0049	07 19 N	016 34 W	02	15	09	MN
0051	07 03 N	016 31 W	02	15	11	MN
0052	06 48 N	016 28 W	02	15	15	H,P,MN,NN
0053	06 30 N	016 29 W	02	15	17	MN
0054	06 15 N	016 29 W	02	15	19	MN
0055	05 58 N	016 32 W	02	15	20	H,MN
0056	05 55 N	015 58 W	02	16	05	H,MN,NN
0057	06 10 N	016 02 W	02	16	10	MN,F,NN
0058	06 29 N	015 59 W	02	16	12	MN
0059	06 45 N	015 59 W	02	16	12	H,P,MN,NN
0062	07 00 N	015 57 W	02	16	17	MN
0064	07 15 N	016 00 W	02	16	20	MN
0065	07 30 N	016 00 W	02	16	22	H,MN,NN,CB
0066	07 29 N	016 39 W	02	17	05	MN,H,NN
0067	07 45 N	016 38 W	02	17	09	MN
0068	08 00 N	016 37 W	02	17	11	MN
0069	08 14 N	016 33 W	02	17	14	H,P,MN,NN
0070	08 30 N	016 32 W	02	17	17	MN
0071	08 46 N	016 31 W	02	17	18	MN

GN 5

STA NO	LATITUDE	LONGITUDE	DATE MO	DATE DA	HR GMT	OBSERVATION
0072	09 02 N	016 32 W	02	17	20	H,MN,NN,CB
0073	09 00 N	016 02 W	02	18	05	MN,H,NN
0074	08 45 N	016 02 W	02	18	09	MN
0075	08 29 N	016 03 W	02	18	11	MN
0076	08 12 N	016 04 W	02	18	14	H,P,MN,NN
0077	07 53 N	016 00 W	02	18	17	MN,F,NN
0078	07 38 N	015 59 W	02	18	18	MN
0079	07 23 N	016 00 W	02	18	20	MN,NN,H,CB
0080	07 26 N	015 34 W	02	19	05	H,MN,NN,CB
0081	07 12 N	015 33 W	02	19	09	MN
0083	07 03 N	015 38 W	02	19	10	MN,F,NN
0084	06 46 N	015 30 W	02	19	16	H,P,MN,NN
0086	06 28 N	015 29 W	02	19	19	MN
0087	06 12 N	015 31 W	02	19	20	MN
0088	06 00 N	015 30 W	02	19	22	H,MN,NN,NL,CB
0089	06 04 N	014 53 W	02	20	05	H,MN,NN,NL
0090	06 18 N	014 58 W	02	20	09	MN
0091	06 30 N	015 00 W	02	20	10	F,MN,NN
0093	06 49 N	014 57 W	02	20	14	H,P,MN,NN
0098	07 19 N	014 57 W	02	20	20	MN
0099	07 30 N	015 00 W	02	20	22	H,MN,NN,CB
0100	07 34 N	015 32 W	02	21	05	H,MN,NN
0101	07 47 N	015 31 W	02	21	09	MN
0102	08 01 N	015 30 W	02	21	10	MN
0103	08 16 N	015 30 W	02	21	13	H,P,MN,NN
0104	08 31 N	015 27 W	02	21	16	MN
0106	08 45 N	015 33 W	02	21	18	MN
0107	09 11 N	015 35 W	02	21	20	H,MN,NN,CB
0108	08 59 N	015 02 W	02	22	04	MN,H,NN
0111	08 29 N	015 01 W	02	22	11	MN
0114	08 14 N	015 00 W	02	22	14	H,P,MN,NN
0115	07 57 N	015 00 W	02	22	16	MN,F
0117	07 42 N	015 01 W	02	22	19	MN
0118	07 27 N	015 02 W	02	22	20	MN,NN,H,NL,CB
0119	07 00 N	014 29 W	02	23	06	H,MN
0120	06 44 N	014 30 W	02	23	09	MN
0121	06 30 N	014 34 W	02	23	10	MN,F
0122	06 17 N	014 28 W	02	23	14	H,P,MN,NN
0123	05 57 N	014 27 W	02	23	16	MN
0124	05 44 N	014 28 W	02	23	18	MN,F
0125	05 26 N	014 30 W	02	23	20	H,MN,CB
0125	05 26 N	014 30 W	02	24	02	
0126	05 05 N	013 51 W	02	24	06	H,MN
0127	05 19 N	013 52 W	02	24	09	MN
0128	05 32 N	013 54 W	02	24	10	MN
0130	05 45 N	013 56 W	02	24	14	H,P,MN,NN
0131	06 01 N	013 55 W	02	24	16	MN
0132	06 14 N	013 55 W	02	24	18	MN
0133	06 26 N	014 00 W	02	24	20	H,MN,NN,CB
0134	07 02 N	014 28 W	02	25	16	H,MN,NN

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STA NO	LATITUDE	LONGITUDE	DATE MO	DATE DA	HR GMT	OBSERVATION
0135	07 15 N	014 29 W	02	25	09	MN,F,NN
0137	07 30 N	014 29 W	02	25	12	MN
0138	07 46 N	014 30 W	02	25	16	H,P,MN,NN
0139	08 01 N	014 27 W	02	25	17	MN
0140	08 16 N	014 29 W	02	25	19	MN
0141	08 30 N	014 30 W	02	25	21	H,MN,NN,CB,
0142	08 05 N	014 04 W	02	26	05	MN,NN,H
0143	07 34 N	014 04 W	02	26	11	MN
0145	07 18 N	014 07 W	02	26	12	MN,F
0147	07 04 N	014 00 W	02	26	15	H,P,MN,NN
0148	06 46 N	014 04 W	02	26	18	MN
0149	06 32 N	014 02 W	02	26	19	MN
0150	06 18 N	014 00 W	02	26	21	H,MN,NN,NL,CB
0151	06 03 N	013 25 W	02	27	06	H,MN,NN
0152	05 47 N	013 27 W	02	27	09	MN
0153	05 31 N	013 26 W	02	27	11	MN
0154	05 10 N	013 30 W	02	27	14	H,P,MN,NN
0155	04 55 N	013 31 W	02	27	16	MN
0156	04 42 N	013 31 W	02	27	17	MN
0157	04 30 N	013 32 W	02	27	20	H,MN,NN,NL,CB
0158	04 07 N	013 03 W	02	28	06	H,MN,NN
0159	04 21 N	013 04 W	02	28	09	MN
0160	04 36 N	013 04 W	02	28	11	MN
0161	04 52 N	013 00 W	02	28	14	H,MN,P,NN
0162	05 05 N	012 58 W	02	28	16	MN
0163	05 17 N	012 57 W	02	28	18	MN
0164	05 32 N	013 32 W	02	28	21	H,MN,NN,CB .
0165	05 58 N	013 28 W	03	01	06	H,MN,NN
0166	06 15 N	013 29 W	03	01	09	MN
0167	06 30 N	013 29 W	03	01	11	MN
0168	06 47 N	013 28 W	03	01	14	H,P,MN,NN
0170	06 57 N	013 29 W	03	01	16	MN
0171	07 08 N	013 30 W	03	01	18	MN NN
0172	07 21 N	013 31 W	03	01	20	H,MN,NN,NL,CB
0173	07 04 N	013 06 W	03	02	06	H,MN,NN,H
0174	06 49 N	013 05 W	03	02	13	MN
0181	04 35 N	002 32 W	03	14	05	H,MN,NN
0182	04 21 N	002 32 W	03	14	08	MN
0183	04 07 N	002 33 W	03	14	09	MN
0184	03 47 N	002 32 W	03	14	13	H,D,P,MN,F
0186	03 22 N	002 31 W	03	14	18	MN
0187	03 07 N	002 30 W	03	14	20	H,MN,NN
0188	02 54 N	002 08 W	03	15	04	H,MN,NN
0189	03 09 N	002 06 W	03	15	08	MN
0190	03 25 N	002 06 W	03	15	09	MN
0192	03 35 N	002 00 W	03	15	13	H,P,MN,F,NN
0193	03 52 N	001 59 W	03	15	14	MN,F
0194	04 08 N	001 59 W	03	15	17	MN
0195	04 21 N	001 59 W	03	15	19	H,MN,NN,CB
0196	04 09 N	001 28 W	03	16	04	H,MN,NN

GN 5

STA NO	LATITUDE	LONGITUDE	DATE MO	DATE DA	HR GMT	OBSERVATION
0198	04 02 N	001 28 W	03	16	08	MN,F
0200	03 45 N	001 29 W	03	16	10	MN,
0201	03 38 N	001 29 W	03	16	13	H,P,MN,F,NN
0202	03 20 N	001 29 W	03	16	15	MN,F
0203	02 59 N	001 30 W	03	16	19	MN
0204	02 44 N	001 30 W	03	16	21	H,MN,NN,CB
0205	02 52 N	001 02 W	03	17	04	H,MN,NN
0206	03 08 N	001 02 W	03	17	08	MN
0208	03 22 N	001 05 W	03	17	10	MN
0210	03 41 N	001 03 W	03	17	13	H,P,MN,NN
0211	03 57 N	001 00 W	03	17	16	MN
0213	04 11 N	001 00 W	03	17	18	MN
0214	04 23 N	001 00 W	03	17	19	MN,NN,H,CB
0215	04 55 N	000 31 W	03	18	04	H,MN,NN
0216	04 40 N	000 31 W	03	18	08	MN
0218	04 25 N	000 32 W	03	18	10	MN
0219	04 10 N	000 29 W	03	18	13	H,P,MN,NN
0220	03 54 N	000 30 W	03	18	15	MN
0221	03 41 N	000 30 W	03	18	17	MN
0222	03 26 N	000 30 W	03	18	18	H,MN,NN,CB
0223	03 56 N	000 06 W	03	19	05	H,MN,NN
0224	04 10 N	000 05 W	03	19	08	MN
0226	04 22 N	000 06 W	03	19	10	MN
0228	04 39 N	000 02 W	03	19	13	H,P,MN,NN
0229	04 56 N	000 03 W	03	19	15	MN
0231	05 14 N	000 01 W	03	19	17	MN
0232	05 19 N	000 02 W	03	19	19	H,MN,NN,CB
0233	05 35 N	000 32 E	03	20	05	H,MN,NN,CB
0235	05 20 N	000 31 E	03	20	08	MN
0236	05 05 N	000 25 E	03	20	10	MN
0237	04 48 N	000 27 E	03	20	13	H,P,MN,NN
0238	04 36 N	000 29 E	03	20	15	MN
0239	04 21 N	000 32 E	03	20	17	MN
0240	04 09 N	000 31 E	03	20	18	H,MN,NN,CB
0242	04 23 N	000 50 E	03	21	08	MN
0243	04 39 N	000 58 E	03	21	10	MN,F
0244	04 51 N	000 59 E	03	21	11	H,P,MN,NN
0246	05 19 N	001 03 E	03	21	16	MN
0247	05 29 N	001 01 E	03	21	17	MN
0248	05 38 N	000 59 E	03	21	18	MN,H,NN,NL,CB
0249	05 59 N	001 30 E	03	22	05	H,MN,NN
0250	05 45 N	001 30 E	03	22	08	MN
0251	05 30 N	001 29 E	03	22	09	MN
0252	05 15 N	001 32 E	03	22	13	H,P,MN,NN
0253	05 00 N	001 36 E	03	22	15	MN
0254	04 44 N	001 33 E	03	22	16	MN
0255	04 32 N	001 29 E	03	22	18	H,MN,NN,CB
0256	04 30 N	002 01 E	03	23	05	H,MN,NN
0257	04 44 N	002 00 E	03	23	08	MN
0258	05 01 N	002 00 E	03	23	10	MN

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STA NO	LATITUDE	LONGITUDE	DATE MO	DATE DA	HR GMT	OBSERVATION
0259	05 14 N	002 00 E	03	23	14	P,MN,F,NN
0260	05 36 N	001 59 E	03	23	16	MN
0261	05 53 N	001 59 E	03	23	18	MN
0262	06 02 N	001 59 E	03	23	19	H,MN
0264	04 15 N	002 30 W	03	26	04	MN,H,NN
0265	04 14 N	002 15 W	03	26	08	MN
0266	04 15 N	001 58 W	03	26	09	MN
0269	04 10 N	001 45 W	03	26	13	H,P,MN,F,NN
0270	04 14 N	001 31 W	03	26	15	MN
0271	04 14 N	001 15 W	03	26	17	MN
0272	04 14 N	001 01 W	03	26	20	H,MN,NN,CB
0273	03 50 N	001 06 W	03	27	04	MN,NN,H
0274	03 50 N	001 15 W	03	27	07	MN
0277	03 49 N	001 30 W	03	27	10	MN
0278	03 52 N	001 45 W	03	27	13	H,MN,P,NN
0279	03 51 N	001 58 W	03	27	15	MN
0280	03 46 N	002 15 W	03	27	17	MN
0281	03 43 N	002 32 W	03	27	19	H,MN,NN,CB
0282	03 27 N	002 33 W	03	28	04	H,MN,NN
0283	03 25 N	002 15 W	03	28	08	MN
0284	03 25 N	001 59 W	03	28	09	MN
0285	03 26 N	001 45 W	03	28	12	H,P,MN,NN
0286	03 25 N	001 29 W	03	28	14	MN
0287	03 25 N	001 14 W	03	28	16	MN
0288	03 29 N	001 00 W	03	28	19	H,MN,NN,CB
0289	03 02 N	001 01 W	03	29	04	H,MN,NN
0290	03 02 N	001 15 W	03	29	07	MN
0291	03 02 N	001 33 W	03	29	09	MN
0292	03 05 N	001 45 W	03	29	13	H,P,MN,NN
0293	03 03 N	002 00 W	03	29	15	MN
0294	03 02 N	002 15 W	03	29	17	MN
0295	02 58 N	002 33 W	03	29	18	H,MN,NN,CB
0296	03 02 N	003 05 W	03	30	04	H,NN,MN
0297	03 16 N	003 05 W	03	30	07	MN
0299	03 28 N	003 06 W	03	30	10	MN
0300	03 44 N	003 00 W	03	30	13	H,MN,NN
0302	03 58 N	003 00 W	03	30	15	MN
0303	04 10 N	003 00 W	03	30	16	MN
0304	04 23 N	003 02 W	03	30	18	H,MN,NN
0306	04 46 N	000 07 E	04	05	20	MN
0307	04 30 N	000 05 E	04	05	22	H,MN
0308	04 15 N	000 03 E	04	05	01	MN
0309	04 00 N	000 02 E	04	06	13	H,D,P,MN,CB
0310	03 45 N	000 01 E	04	06	20	MN
0311	03 30 N	000 01 E	04	06	22	H,MN
0312	03 15 N	000 01 E	04	07	01	MN
0313	03 00 N	000 04 E	04	07	15	H,D,P,MN,CB
0314	02 45 N	000 04 W	04	07	21	MN
0315	02 30 N	000 02 W	04	07	23	H,MN
0316	02 14 N	000 01 W	04	08	02	MN

GN 5

STA NO	LATITUDE			LONGITUDE			DATE MO	DA	HR GMT	OBSERVATION
0317	01	59	N	000	04	W	04	08	13	H,D,P,MN,CB
0318	01	45	N	000	04	W	04	08	20	MN
0319	01	30	N	000	02	W	04	08	22	H,MN
0320	01	14	N	000	01	W	04	09	01	MN
0321	00	54	N	000	02	W	04	09	13	D,P,MN,H,CB
0322	00	45	N	000	01	W	04	09	22	MN
0323	00	30	N	000	01	W	04	10	00	H,MN
0324	00	15	N	000	01	W	04	10	03	MN
0325	00	10	N	000	08	W	04	10	12	H,D,P,MN,CB
0326	00	15	S	000	06	W	04	10	21	MN
0327	00	30	S	000	04	W	04	10	22	H,MN
0328	00	45	S	000	02	W	04	11	01	MN
0329	01	10	S	000	07	W	04	11	01	H,D,P,MN,CB
0330	00	49	S	004	34	W	04	13	13	H,D,P,MN,CB
0331	00	45	S	004	30	W	04	13	21	MN
0332	00	30	S	004	30	W	04	13	23	H,MN
0333	00	15	S	004	30	W	04	14	02	MN
0335	00	15	N	004	32	W	04	15	19	MN
0336	00	30	N	004	31	W	04	15	21	H,MN
0337	00	45	N	004	30	W	04	15	24	MN
0338	01	01	N	004	29	W	04	16	13	H,D,P,MN,CB
0339	01	15	N	004	29	W	04	16	23	MN
0340	01	30	N	004	30	W	04	17	01	H,MN
0341	01	45	N	004	30	W	04	17	03	MN
0343	02	17	N	004	51	W	04	18	02	MN
0344	02	32	N	004	51	W	04	18	03	H,MN
0345	02	47	N	004	51	W	04	18	06	MN
0347	03	15	N	004	29	W	04	18	21	MN
0348	03	30	N	004	30	W	04	18	23	H,MN,
0349	03	45	N	004	30	W	04	19	06	MN
0350	04	00	N	004	30	W	04	19	10	H,D,P,MN,CB
0351	04	15	N	004	30	W	04	19	20	MN
0352	04	30	N	004	30	W	04	19	22	H,MN
0353	04	45	N	004	30	W	04	20	00	MN
0354	04	59	N	004	27	W	04	20	11	MN,H,D,P,CB

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GERONIMO CRUISE 5 1965

STA	LATITUDE	LONGITUDE	MO	DA	GMT HR	OBSERVATION
355	1 31 S	7 58 W	4	22	15	H, STD
356	1 00 S	8 00 W	4	22	19	H, STD
357	0 45 S	8 00 W	4	22	22	H, STD
358	0 30 S	8 00 W	4	23	1	H, STD
359	0 12 S	8 02 W	4	23	3	H, STD
360	1 00 S	8 03 W	4	23	8	H, STD
361	0 15 N	8 02 W	4	23	10	H, STD
362	0 30 N	8 00 W	4	23	13	H, STD
363	0 45 N	8 03 W	4	23	15	H, STD
364	1 01 N	8 03 W	4	23	18	H, STD
365	1 30 N	8 00 W	4	23	21	H, STD
366	1 00 N	8 00 W	4	24	2	H, STD
367	0 45 N	8 00 W	4	24	5	H, STD
368	0 30 N	8 00 W	4	24	8	H, STD
369	0 15 N	8 00 W	4	24	10	H, STD
370	0 03 S	7 56 W	4	24	13	H, STD
371	0 16 S	7 52 W	4	24	16	H, STD
372	0 31 S	7 49 W	4	24	18	H, STD
373	0 45 S	7 48 W	4	24	21	H, STD
374	1 03 S	7 45 W	4	24	23	H, STD
375	1 32 S	7 41 W	4	25	4	H, STD
376	1 03 S	7 39 W	4	25	8	H, STD
377	0 47 S	7 43 W	4	25	10	H, STD
378	0 34 S	7 46 W	4	25	12	H, STD
379	0 15 S	7 54 W	4	25	15	H, STD
380	0 04 S	7 56 W	4	25	17	H, STD
381	0 15 N	7 57 W	4	25	20	H, STD
382	0 30 N	7 58 W	4	25	23	H, STD
383	0 45 N	7 58 W	4	25	2	H, STD
384	0 57 N	8 00 W	4	26	4	H, STD
385	1 30 N	8 00 W	4	26	8	H, STD

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End of data

APPENDIX 1 (continued)

GERONIMO CRUISE 6

July 23 to November 2, 1965

OBSERVATION CODES

BDM	- Bottom depth, meters
C/B NET	- Clarke-Bumpus net
GMT	- Greenwich Mean Time
HYDRO	- Hydrographic
ICITA NET	- Plankton net
TWO-M NET	- Two meter diameter plankton net

CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSER
GN 6	001	65	07	23	30 39 N	81 08 W	0015	0420	NIGHT LIGHT
GN 6	002	65	07	26	30 08 N	81 08 W	0020	0530	BAITING
GN 6	002	65	07	26	30 08 N	81 08 W	0020	0530	NIGHT LIGHT
GN 6	003	65	07	28	24 55 N	81 39 W	0010	0700	BAITING
GN 6	003	65	07	28	24 55 N	81 39 W	0010	0700	NIGHT LIGHT
GN 6	004	65	07	28	26 14 N	81 55 W		1900	BAITING
GN 6	005	65	07	29	26 14 N	81 55 W		0150	BAITING
GN 6	006	65	08	04	18 14 N	67 12 W		1730	BAITING
GN 6	007	65	08	05	18 27 N	67 16 W		0830	BAITING
GN 6	008	65	08	06	18 20 N	65 06 W	0036	0200	NIGHT LIGHT
GN 6	009	65	08	06	18 09 N	65 06 W	1010	0845	HYDRO
GN 6	009	65	08	06	18 09 N	65 06 W	1010	0845	ICITA NET
GN 6	010	65	08	06	17 29 N	65 04 W	2743	1450	PRODUCTIVITY
GN 6	010	65	08	06	17 29 N	65 04 W	2743	1450	HYDRO
GN 6	010	65	08	06	17 29 N	65 04 W	2743	1450	ICITA NET
GN 6	011	65	08	06	16 57 N	65 07 W		2110	FISHING
GN 6	012	65	08	06	16 51 N	65 07 W	4480	2130	HYDRO
GN 6	012	65	08	06	16 51 N	65 07 W	4480	2130	ICITA NET
GN 6	013	65	08	07	16 58 N	64 22 W	3383	0400	TWO-M NET
GN 6	013	65	08	07	16 58 N	64 22 W	3383	0400	C/B NET
GN 6	013	65	08	07	16 58 N	64 22 W	3383	0400	NIGHT LIGHT
GN 6	014	65	08	07	17 00 N	64 00 W	1646	1130	HYDRO
GN 6	014	65	08	07	17 00 N	64 00 W	1646	1130	ICITA NET
GN 6	015	65	08	07	17 22 N	63 41 W	0037	1515	PRODUCTIVITY
GN 6	015	65	08	07	17 22 N	63 41 W	0037	1515	HYDRO
GN 6	015	65	08	07	17 22 N	63 41 W	0037	1515	ICITA NET
GN 6	015	65	08	07	17 22 N	63 41 W	0037	1515	NEUSTON NET
GN 6	016	65	08	07	17 55 N	63 18 W	1189	2030	HYDRO
GN 6	016	65	08	07	17 55 N	63 18 W	1189	2030	ICITA NET
GN 6	016	65	08	07	17 55 N	63 18 W	1189	2030	NEUSTON NET
GN 6	017	65	08	08	18 10 N	63 08 W	0013	0345	NIGHT LIGHT
GN 6	018	65	08	08	18 09 N	62 34 W	1646	1000	HYDRO
GN 6	018	65	08	08	18 09 N	62 34 W	1646	1000	ICITA NET
GN 6	019	65	08	08	17 47 N	62 06 W	0549	1300	PRODUCTIVITY
GN 6	019	65	08	08	17 47 N	62 06 W	0549	1300	HYDRO
GN 6	019	65	08	08	17 47 N	62 06 W	0549	1300	ICITA NET
GN 6	020	65	08	08	17 42 N	62 02 W		2000	FISHING
GN 6	021	65	08	09	17 38 N	61 55 W	0007	0230	NIGHT LIGHT
GN 6	022	65	08	09	17 52 N	61 49 W	0932	0930	HYDRO
GN 6	022	65	08	09	17 52 N	61 49 W	0932	0930	ICITA NET
GN 6	023	65	08	09	18 08 N	61 21 W	5121	1500	PRODUCTIVITY
GN 6	023	65	08	09	18 08 N	61 21 W	5121	1500	HYDRO
GN 6	023	65	08	09	18 08 N	61 21 W	5121	1500	ICITA NET
GN 6	024	65	08	09	18 21 N	60 48 W	6035	2300	HYDRO
GN 6	024	65	08	09	18 21 N	60 48 W	6035	2300	ICITA NET
GN 6	025	65	08	10	17 29 N	60 20 W	5500	1000	HYDRO
GN 6	025	65	08	10	17 29 N	60 20 W	5500	1000	ICITA NET
GN 6	026	65	08	10	17 25 N	60 55 W	4618	1500	PRODUCTIVITY
GN 6	026	65	08	10	17 25 N	60 55 W	4618	1500	HYDRO
GN 6	026	65	08	10	17 25 N	60 55 W	4618	1500	ICITA NET
GN 6	027	65	08	10	17 11 N	61 31 W	2286	2100	HYDRO
GN 6	027	65	08	10	17 11 N	61 31 W	2286	2100	ICITA NET
GN 6	028	65	08	11	17 00 N	61 56 W	0018	0200	NIGHT LIGHT
GN 6	029	65	08	11	16 59 N	62 05 W	0640	1000	HYDRO
GN 6	029	65	08	11	16 59 N	62 05 W	0640	1000	ICITA NET
GN 6	029	65	08	11	16 59 N	62 05 W	0640	1000	NEUSTON NET

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CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSER
GN 6	030	65	08	11	16 55 N	62 19 W		1225	FISHING
GN 6	031	65	08	11	16 38 N	62 39 W	1737	1530	PRODUCTIVITY
GN 6	031	65	08	11	16 38 N	62 39 W	1737	1530	HYDRO
GN 6	031	65	08	11	16 38 N	62 39 W	1737	1530	ICITA NET
GN 6	032	65	08	11	16 15 N	63 08 W		2030	FISHING
GN 6	033	65	08	11	16 06 N	63 17 W	1779	2200	TWO-M NET
GN 6	033	65	08	11	16 06 N	63 17 W	1779	2200	C/B NET
GN 6	033	65	08	11	16 06 N	63 17 W	1779	2200	HYDRO
GN 6	033	65	08	11	16 06 N	63 17 W	1779	2200	ICITA NET
GN 6	033	65	08	11	16 06 N	63 17 W	1779	2200	NIGHT LIGHT
GN 6	034	65	08	12	15 58 N	62 12 W	1558	1530	PRODUCTIVITY
GN 6	034	65	08	12	15 58 N	62 12 W	1558	1530	HYDRO
GN 6	034	65	08	12	15 58 N	62 12 W	1558	1530	ICITA NET
GN 6	035	65	08	12	15 54 N	61 44 W	1280	2000	HYDRO
GN 6	035	65	08	12	15 54 N	61 44 W	1280	2000	ICITA NET
GN 6	036	65	08	13	16 05 N	61 21 W	0795	1600	PRODUCTIVITY
GN 6	036	65	08	13	16 05 N	61 21 W	0795	1600	HYDRO
GN 6	036	65	08	13	16 05 N	61 21 W	0795	1600	ICITA NET
GN 6	036	65	08	13	16 05 N	61 21 W	0795	1600	NEUSTON NET
GN 6	037	65	08	14	16 05 N	60 16 W	5121	0000	HYDRO
GN 6	037	65	08	14	16 05 N	60 16 W	5121	0000	ICITA NET
GN 6	038	65	08	14	15 40 N	60 11 W	5669	0500	TWO-M NET
GN 6	038	65	08	14	15 40 N	60 11 W	5669	0500	NIGHT LIGHT
GN 6	039	65	08	14	15 18 N	60 09 W	4663	1000	HYDRO
GN 6	039	65	08	14	15 18 N	60 09 W	4663	1000	ICITA NET
GN 6	040	65	08	14	15 14 N	60 50 W	1280	1450	PRODUCTIVITY
GN 6	040	65	08	14	15 14 N	60 50 W	1280	1450	HYDRO
GN 6	040	65	08	14	15 14 N	60 50 W	1280	1450	ICITA NET
GN 6	041	65	08	14	15 09 N	61 17 W	1829	2000	HYDRO
GN 6	041	65	08	14	15 09 N	61 17 W	1829	2000	ICITA NET
GN 6	042	65	08	15	15 17 N	61 35 W	2377	0200	FISHING
GN 6	042	65	08	15	15 17 N	61 35 W	2377	0200	NIGHT LIGHT
GN 6	043	65	08	15	15 17 N	61 39 W	2373	1000	HYDRO
GN 6	043	65	08	15	15 17 N	61 39 W	2373	1000	ICITA NET
GN 6	043	65	08	15	15 17 N	61 39 W	2373	1000	NEUSTON NET
GN 6	044	65	08	15	15 18 N	62 17 W	2629	1530	PRODUCTIVITY
GN 6	044	65	08	15	15 18 N	62 17 W	2629	1530	HYDRO
GN 6	044	65	08	15	15 18 N	62 17 W	2629	1530	ICITA NET
GN 6	044	65	08	15	15 18 N	62 17 W	2629	1530	NEUSTON NET
GN 6	045	65	08	15	15 22 N	63 22 W	2377	2200	HYDRO
GN 6	045	65	08	15	15 22 N	63 22 W	2377	2200	ICITA NET
GN 6	046	65	08	16	15 21 N	63 42 W	1829	0200	TWO-M NET
GN 6	046	65	08	16	15 21 N	63 42 W	1829	0200	C/B NET
GN 6	046	65	08	16	15 21 N	63 42 W	1829	0200	NIGHT LIGHT
GN 6	047	65	08	17	14 52 N	63 40 W	1097	0945	HYDRO
GN 6	047	65	08	17	14 52 N	63 40 W	1097	0945	ICITA NET
GN 6	048	65	08	20	14 27 N	61 09 W	1554	1600	PRODUCTIVITY
GN 6	048	65	08	20	14 27 N	61 09 W	1554	1600	HYDRO
GN 6	048	65	08	20	14 27 N	61 09 W	1554	1600	ICITA NET
GN 6	048	65	08	20	14 27 N	61 09 W	1554	1600	NEUSTON NET
GN 6	049	65	08	20	14 18 N	60 42 W		2100	FISHING
GN 6	050	65	08	20	14 18 N	60 20 W	2377	2330	HYDRO
GN 6	050	65	08	20	14 18 N	60 20 W	2377	2330	ICITA NET
GN 6	050	65	08	20	14 18 N	60 20 W	2377	2330	NEUSTON NET
GN 6	051	65	08	21	13 58 N	60 00 W	1829	0400	TWO-M NET
GN 6	051	65	08	21	13 58 N	60 00 W	1829	0400	NIGHT LIGHT

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CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSER
GN 6	052	65	08	21	13 33 N	59 38 W	1280	1000	HYDRO
GN 6	052	65	08	21	13 33 N	59 38 W	1280	1000	ICITA NET
GN 6	053	65	08	21	13 33 N	60 13 W	2102	1430	FISHING
GN 6	054	65	08	21	13 34 N	60 26 W	2195	1530	PRODUCTIVITY
GN 6	054	65	08	21	13 34 N	60 26 W	2195	1530	HYDRO
GN 6	054	65	08	21	13 34 N	60 26 W	2195	1530	ICITA NET
GN 6	054	65	08	21	13 34 N	60 26 W	2195	1530	NEUSTON NET
GN 6	055	65	08	21	13 29 N	60 42 W		1910	FISHING
GN 6	056	65	08	21	13 33 N	60 50 W	1097	2100	HYDRO
GN 6	056	65	08	21	13 33 N	60 50 W	1097	2100	ICITA NET
GN 6	057	65	08	22	13 49 N	61 13 W	2195	0200	TWO-M NET
GN 6	057	65	08	22	13 49 N	61 13 W	2195	0200	C/B NET
GN 6	057	65	08	22	13 49 N	61 13 W	2195	0200	NIGHT LIGHT
GN 6	058	65	08	22	13 35 N	61 18 W	3109	1000	HYDRO
GN 6	058	65	08	22	13 35 N	61 18 W	3109	1000	ICITA NET
GN 6	058	65	08	22	13 35 N	61 18 W	3109	1000	NEUSTON NET
GN 6	059	65	08	22	13 34 N	62 05 W	3475	1530	PRODUCTIVITY
GN 6	059	65	08	22	13 34 N	62 05 W	3475	1530	HYDRO
GN 6	059	65	08	22	13 34 N	62 05 W	3475	1530	ICITA NET
GN 6	059	65	08	22	13 34 N	62 05 W	3475	1530	NEUSTON NET
GN 6	060	65	08	22	13 33 N	62 13 W		1855	FISHING
GN 6	061	65	08	22	13 32 N	62 43 W	2377	2200	HYDRO
GN 6	061	65	08	22	13 32 N	62 43 W	2377	2200	ICITA NET
GN 6	061	65	08	22	13 32 N	62 43 W	2377	2200	NEUSTON NET
GN 6	062	65	08	23	13 05 N	62 47 W	3400	0230	TWO-M NET
GN 6	062	65	08	23	13 05 N	62 47 W	3400	0230	C/B NET
GN 6	062	65	08	23	13 05 N	62 47 W	3400	0230	NIGHT LIGHT
GN 6	063	65	08	23	12 34 N	62 51 W	3475	1000	HYDRO
GN 6	063	65	08	23	12 34 N	62 51 W	3475	1000	ICITA NET
GN 6	063	65	08	23	12 34 N	62 51 W	3475	1000	NEUSTON NET
GN 6	064	65	08	23	12 31 N	62 11 W	3383	1530	PRODUCTIVITY
GN 6	064	65	08	23	12 31 N	62 11 W	3383	1530	HYDRO
GN 6	064	65	08	23	12 31 N	62 11 W	3383	1530	ICITA NET
GN 6	064	65	08	23	12 31 N	62 11 W	3383	1530	NEUSTON NET
GN 6	065	65	08	23	12 44 N	61 37 W	3292	2200	HYDRO
GN 6	065	65	08	23	12 44 N	61 37 W	3292	2200	ICITA NET
GN 6	065	65	08	23	12 44 N	61 37 W	3292	2200	NEUSTON NET
GN 6	066	65	08	24	12 45 N	61 28 W		0030	C/B NET
GN 6	067	65	08	25	12 43 N	61 07 W		0100	C/B NET
GN 6	068	65	08	27	12 43 N	61 20 W	0037	0130	NIGHT LIGHT
GN 6	069	65	08	27	12 43 N	61 05 W	0786	1020	HYDRO
GN 6	069	65	08	27	12 43 N	61 05 W	0786	1020	ICITA NET
GN 6	070	65	08	27	12 43 N	60 30 W	2377	1530	PRODUCTIVITY
GN 6	070	65	08	27	12 43 N	60 30 W	2377	1530	HYDRO
GN 6	070	65	08	27	12 43 N	60 30 W	2377	1530	ICITA NET
GN 6	071	65	08	27	12 43 N	59 50 W	1372	2200	HYDRO
GN 6	071	65	08	27	12 43 N	59 50 W	1372	2200	ICITA NET
GN 6	072	65	08	29	12 00 N	60 30 W	1463	1130	HYDRO
GN 6	072	65	08	29	12 00 N	60 30 W	1463	1130	ICITA NET
GN 6	073	65	08	29	12 13 N	60 56 W	1829	1530	PRODUCTIVITY
GN 6	073	65	08	29	12 13 N	60 56 W	1829	1530	HYDRO
GN 6	073	65	08	29	12 13 N	60 56 W	1829	1530	ICITA NET
GN 6	074	65	08	29	12 05 N	61 27 W	0686	2015	HYDRO
GN 6	074	65	08	29	12 05 N	61 27 W	0686	2015	ICITA NET
GN 6	075	65	08	30	12 04 N	61 43 W	1000	0100	TWO-M NET
GN 6	075	65	08	30	12 04 N	61 43 W	1000	0100	C/B NET

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CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSER
GN 6	075	65	08	30	12 04 N	61 43 W	1000	0100	NIGHT LIGHT
GN 6	076	65	08	30	12 00 N	62 00 W	1280	1000	HYDRO
GN 6	076	65	08	30	12 00 N	62 00 W	1280	1000	ICITA NET
GN 6	076	65	08	30	12 00 N	62 00 W	1280	1000	NEUSTON NET
GN 6	077	65	08	30	11 57 N	62 53 W	1646	1530	PRODUCTIVITY
GN 6	077	65	08	30	11 57 N	62 53 W	1646	1530	HYDRO
GN 6	077	65	08	30	11 57 N	62 53 W	1646	1530	ICITA NET
GN 6	077	65	08	30	11 57 N	62 53 W	1646	1530	NEUSTON NET
GN 6	078	65	08	30	12 02 N	63 43 W	0439	2130	HYDRO
GN 6	078	65	08	30	12 02 N	63 43 W	0439	2130	ICITA NET
GN 6	079	65	09	02	10 41 N	61 37 W		0930	BAITING
GN 6	080	65	09	03	10 41 N	61 37 W		0200	BAITING
GN 6	081	65	09	04	10 43 N	62 00 W	0051	2300	BAITING
GN 6	081	65	09	04	10 43 N	62 00 W	0051	2300	NIGHT LIGHT
GN 6	082	65	09	05	11 29 N	62 05 W	0585	1000	HYDRO
GN 6	082	65	09	05	11 29 N	62 05 W	0585	1000	ICITA NET
GN 6	083	65	09	05	12 12 N	61 59 W	1847	1530	PRODUCTIVITY
GN 6	083	65	09	05	12 12 N	61 59 W	1847	1530	HYDRO
GN 6	083	65	09	05	12 12 N	61 59 W	1847	1530	ICITA NET
GN 6	084	65	09	05	12 55 N	62 00 W	3017	2200	HYDRO
GN 6	084	65	09	05	12 55 N	62 00 W	3017	2200	ICITA NET
GN 6	085	65	09	06	12 55 N	62 00 W	3017	0200	TWO-M NET
GN 6	085	65	09	06	12 55 N	62 00 W	3017	0200	C/B NET
GN 6	085	65	09	06	12 55 N	62 00 W	3017	0200	NIGHT LIGHT
GN 6	086	65	09	06	13 49 N	61 59 W	3017	1530	PRODUCTIVITY
GN 6	086	65	09	06	13 49 N	61 59 W	3017	1530	HYDRO
GN 6	086	65	09	06	13 49 N	61 59 W	3017	1530	ICITA NET
GN 6	087	65	09	06	14 20 N	62 02 W		2045	FISHING
GN 6	088	65	09	06	14 29 N	62 03 W	2743	2200	HYDRO
GN 6	088	65	09	06	14 29 N	62 03 W	2743	2200	ICITA NET
GN 6	089	65	09	07	14 30 N	62 40 W	2450	0230	TWO-M NET
GN 6	089	65	09	07	14 30 N	62 40 W	2450	0230	C/B NET
GN 6	089	65	09	07	14 30 N	62 40 W	2450	0230	NIGHT LIGHT
GN 6	090	65	09	07	14 32 N	63 09 W	1600	1000	HYDRO
GN 6	090	65	09	07	14 32 N	63 09 W	1600	1000	ICITA NET
GN 6	091	65	09	07	14 01 N	63 06 W		1430	FISHING
GN 6	092	65	09	07	13 53 N	63 05 W	1280	1530	PRODUCTIVITY
GN 6	092	65	09	07	13 53 N	63 05 W	1280	1530	HYDRO
GN 6	092	65	09	07	13 53 N	63 05 W	1280	1530	ICITA NET
GN 6	093	65	09	07	13 44 N	63 04 W		1830	FISHING
GN 6	094	65	09	07	13 27 N	63 03 W		2015	FISHING
GN 6	095	65	09	07	13 10 N	63 01 W	1372	2200	HYDRO
GN 6	095	65	09	07	13 10 N	63 01 W	1372	2200	ICITA NET
GN 6	096	65	09	08	13 10 N	63 01 W	1372	0230	TWO-M NET
GN 6	096	65	09	08	13 10 N	63 01 W	1372	0230	C/B NET
GN 6	096	65	09	08	13 10 N	63 01 W	1372	0230	NIGHT LIGHT
GN 6	097	65	09	08	13 00 N	63 06 W		1050	FISHING
GN 6	098	65	09	08	12 51 N	63 04 W		1210	FISHING
GN 6	099	65	09	08	12 19 N	63 04 W	2743	1535	PRODUCTIVITY
GN 6	099	65	09	08	12 19 N	63 04 W	2743	1535	HYDRO
GN 6	099	65	09	08	12 19 N	63 04 W	2743	1535	ICITA NET
GN 6	100	65	09	08	12 07 N	63 02 W		1845	FISHING
GN 6	101	65	09	08	11 46 N	63 06 W	0750	2130	PRODUCTIVITY
GN 6	101	65	09	08	11 46 N	63 06 W	0750	2130	HYDRO
GN 6	101	65	09	08	11 46 N	63 06 W	0750	2130	ICITA NET
GN 6	102	65	09	09	11 56 N	63 55 W	0411	0230	TWO-M NET

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CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSER
GN 6	102	65	09	09	11 56 N	63 55 W	0411	0230	C/B NET
GN 6	102	65	09	09	11 56 N	63 55 W	0411	0230	C/B NET
GN 6	102	65	09	09	11 56 N	63 55 W	0411	0230	NIGHT LIGHT
GN 6	103	65	09	09	11 58 N	64 06 W	0229	1000	HYDRO
GN 6	103	65	09	09	11 58 N	64 06 W	0229	1000	ICITA NET
GN 6	104	65	09	09	12 51 N	63 57 W	2487	1530	PRODUCTIVITY
GN 6	104	65	09	09	12 51 N	63 57 W	2487	1530	HYDRO
GN 6	104	65	09	09	12 51 N	63 57 W	2487	1530	ICITA NET
GN 6	105	65	09	09	13 46 N	64 04 W	2649	2200	HYDRO
GN 6	105	65	09	09	13 46 N	64 04 W	2649	2200	ICITA NET
GN 6	106	65	09	10	13 46 N	64 11 W	2649	0230	C/B NET
GN 6	107	65	09	10	14 35 N	64 00 W	2432	1530	PRODUCTIVITY
GN 6	107	65	09	10	14 35 N	64 00 W	2432	1530	HYDRO
GN 6	107	65	09	10	14 35 N	64 00 W	2432	1530	ICITA NET
GN 6	108	65	09	10	14 37 N	64 59 W	3840	2230	HYDRO
GN 6	108	65	09	10	14 37 N	64 59 W	3840	2230	ICITA NET
GN 6	109	65	09	11	14 13 N	64 58 W		0230	C/B NET
GN 6	110	65	09	11	13 12 N	64 58 W	3383	1000	HYDRO
GN 6	110	65	09	11	13 12 N	64 58 W	3383	1000	ICITA NET
GN 6	111	65	09	11	12 51 N	65 00 W	3658	1530	PRODUCTIVITY
GN 6	111	65	09	11	12 51 N	65 00 W	3658	1530	HYDRO
GN 6	111	65	09	11	12 51 N	65 00 W	3658	1530	ICITA NET
GN 6	112	65	09	11	12 17 N	64 59 W		2100	FISHING
GN 6	113	65	09	11	12 14 N	64 59 W		2130	FISHING
GN 6	114	65	09	11	12 11 N	64 59 W	2286	2200	HYDRO
GN 6	114	65	09	11	12 11 N	64 59 W	2286	2200	ICITA NET
GN 6	115	65	09	12	11 37 N	64 58 W		0230	C/B NET
GN 6	116	65	09	12	10 39 N	65 00 W	0951	1000	HYDRO
GN 6	116	65	09	12	10 39 N	65 00 W	0951	1000	ICITA NET
GN 6	117	65	09	12	10 35 N	64 08 W		2300	BAITING
GN 6	118	65	09	14	11 11 N	66 01 W	0312	1000	HYDRO
GN 6	118	65	09	14	11 11 N	66 01 W	0312	1000	ICITA NET
GN 6	119	65	09	14	11 46 N	65 58 W	0805	1530	PRODUCTIVITY
GN 6	119	65	09	14	11 46 N	65 58 W	0805	1530	HYDRO
GN 6	119	65	09	14	11 46 N	65 58 W	0805	1530	ICITA NET
GN 6	120	65	09	14	11 57 N	66 00 W		1830	FISHING
GN 6	121	65	09	14	12 34 N	66 02 W	4572	2200	HYDRO
GN 6	121	65	09	14	12 34 N	66 02 W	4572	2200	ICITA NET
GN 6	122	65	09	15	13 09 N	66 00 W	4810	0230	C/B NET
GN 6	122	65	09	15	13 09 N	66 00 W	4810	0230	NIGHT LIGHT
GN 6	123	65	09	15	14 06 N	65 59 W	5121	1000	HYDRO
GN 6	123	65	09	15	14 06 N	65 59 W	5121	1000	ICITA NET
GN 6	124	65	09	15	14 36 N	66 00 W	4810	1420	PRODUCTIVITY
GN 6	124	65	09	15	14 36 N	66 00 W	4810	1420	HYDRO
GN 6	124	65	09	15	14 36 N	66 00 W	4810	1420	ICITA NET
GN 6	125	65	09	15	14 30 N	67 05 W	4901	2100	HYDRO
GN 6	125	65	09	15	14 30 N	67 05 W	4901	2100	ICITA NET
GN 6	126	65	09	16	13 44 N	67 06 W	4718	0230	C/B NET
GN 6	126	65	09	16	13 44 N	67 06 W	4718	0230	NIGHT LIGHT
GN 6	127	65	09	16	12 53 N	67 07 W	4810	1000	HYDRO
GN 6	127	65	09	16	12 53 N	67 07 W	4810	1000	ICITA NET
GN 6	128	65	09	16	12 09 N	67 02 W	1500	1545	PRODUCTIVITY
GN 6	128	65	09	16	12 09 N	67 02 W	1500	1545	HYDRO
GN 6	128	65	09	16	12 09 N	67 02 W	1500	1545	ICITA NET
GN 6	129	65	09	16	11 54 N	67 02 W		1855	FISHING
GN 6	130	65	09	16	11 26 N	67 01 W		2200	HYDRO

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CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSER
GN 6	130	65	09	16	11 26 N	67 01 W		2200	ICITA NET
GN 6	131	65	09	17	11 26 N	67 39 W	1920	0230	C/B NET
GN 6	132	65	09	17	11 24 N	68 03 W		1100	HYDRO
GN 6	132	65	09	17	11 24 N	68 03 W		1100	ICITA NET
GN 6	133	65	09	17	12 06 N	67 56 W		1645	PRODUCTIVITY
GN 6	133	65	09	17	12 06 N	67 56 W		1645	HYDRO
GN 6	133	65	09	17	12 06 N	67 56 W		1645	ICITA NET
GN 6	134	65	09	17	12 50 N	68 00 W		2300	HYDRO
GN 6	134	65	09	17	12 50 N	68 00 W		2300	ICITA NET
GN 6	135	65	09	18	13 24 N	68 03 W	4900	0330	C/B NET
GN 6	136	65	09	18	14 29 N	68 11 W		1100	HYDRO
GN 6	136	65	09	18	14 29 N	68 11 W		1100	ICITA NET
GN 6	137	65	09	18	14 29 N	69 00 W		1730	PRODUCTIVITY
GN 6	137	65	09	18	14 29 N	69 00 W		1730	HYDRO
GN 6	137	65	09	18	14 29 N	69 00 W		1730	ICITA NET
GN 6	138	65	09	18	13 49 N	69 01 W		2150	FISHING
GN 6	139	65	09	18	13 39 N	69 03 W		2300	HYDRO
GN 6	139	65	09	18	13 39 N	69 03 W		2300	ICITA NET
GN 6	140	65	09	19	13 04 N	69 07 W	3255	0330	C/B NET
GN 6	140	65	09	19	13 04 N	69 07 W	3255	0330	ICITA NET
GN 6	141	65	09	19	12 30 N	68 59 W		1100	HYDRO
GN 6	141	65	09	19	12 30 N	68 59 W		1100	ICITA NET
GN 6	142	65	09	23	12 18 N	69 31 W		1820	FISHING
GN 6	143	65	09	24	12 36 N	70 05 W	0030	0515	NIGHT LIGHT
GN 6	144	65	09	24	12 42 N	70 00 W		1000	HYDRO
GN 6	144	65	09	24	12 42 N	70 00 W		1000	ICITA NET
GN 6	145	65	09	24	13 23 N	70 02 W		1625	PRODUCTIVITY
GN 6	145	65	09	24	13 23 N	70 02 W		1625	HYDRO
GN 6	145	65	09	24	13 23 N	70 02 W		1625	ICITA NET
GN 6	146	65	09	24	14 06 N	70 02 W		2300	TWO-M NET
GN 6	146	65	09	24	14 06 N	70 02 W		2300	HYDRO
GN 6	146	65	09	24	14 06 N	70 02 W		2300	ICITA NET
GN 6	147	65	09	25	14 26 N	70 05 W		1100	FISHING
GN 6	147	65	09	25	14 26 N	70 05 W		1100	HYDRO
GN 6	147	65	09	25	14 26 N	70 05 W		1100	ICITA NET
GN 6	148	65	09	25	14 23 N	70 51 W		1630	PRODUCTIVITY
GN 6	148	65	09	25	14 23 N	70 51 W		1630	HYDRO
GN 6	148	65	09	25	14 23 N	70 51 W		1630	ICITA NET
GN 6	149	65	09	25	14 09 N	70 53 W		1945	FISHING
GN 6	150	65	09	25	13 34 N	70 59 W		2300	HYDRO
GN 6	150	65	09	25	13 34 N	70 59 W		2300	ICITA NET
GN 6	151	65	09	26	13 18 N	71 22 W		1100	FISHING
GN 6	151	65	09	26	13 18 N	71 22 W		1100	HYDRO
GN 6	152	65	09	26	12 48 N	71 57 W		1630	PRODUCTIVITY
GN 6	152	65	09	26	12 48 N	71 57 W		1630	HYDRO
GN 6	153	65	09	26	12 12 N	72 11 W		2245	NIGHT LIGHT
GN 6	154	65	09	27	12 22 N	72 09 W		1700	ICITA NET
GN 6	155	65	09	28	12 06 N	72 14 W		1845	BAITING
GN 6	156	65	09	28	12 32 N	72 04 W		1630	PRODUCTIVITY
GN 6	156	65	09	28	12 32 N	72 04 W		1630	HYDRO
GN 6	156	65	09	28	12 32 N	72 04 W		1630	ICITA NET
GN 6	157	65	09	28	13 17 N	71 59 W		2300	HYDRO
GN 6	157	65	09	28	13 17 N	71 59 W		2300	ICITA NET
GN 6	158	65	09	29	13 17 N	72 29 W		0330	ICITA NET
GN 6	159	65	09	29	13 18 N	73 20 W		1100	HYDRO
GN 6	159	65	09	29	13 18 N	73 20 W		1100	ICITA NET

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CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSER
GN 6	160	65	09	29	12 42 N	73 00 W		1640	PRODUCTIVITY
GN 6	160	65	09	29	12 42 N	73 00 W		1640	HYDRO
GN 6	160	65	09	29	12 42 N	73 00 W		1640	ICITA NET
GN 6	161	65	09	29	12 23 N	73 00 W		2035	FISHING
GN 6	162	65	09	29	12 07 N	72 59 W		2300	HYDRO
GN 6	162	65	09	29	12 07 N	72 59 W		2300	ICITA NET
GN 6	163	65	09	30	11 43 N	72 56 W		0140	NIGHT LIGHT
GN 6	164	65	09	30	11 37 N	73 11 W		1644	PRODUCTIVITY
GN 6	164	65	09	30	11 37 N	73 11 W		1644	HYDRO
GN 6	164	65	09	30	11 37 N	73 11 W		1644	ICITA NET
GN 6	165	65	09	30	11 24 N	74 14 W	0230	2300	TWC-N NET
GN 6	165	65	09	30	11 24 N	74 14 W	0230	2300	C/B NET
GN 6	165	65	09	30	11 24 N	74 14 W	0230	2300	ICITA NET
GN 6	166	65	10	01	11 30 N	74 00 W		1100	HYDRO
GN 6	166	65	10	01	11 30 N	74 00 W		1100	ICITA NET
GN 6	167	65	10	01	12 17 N	74 00 W	2850	1640	PRODUCTIVITY
GN 6	167	65	10	01	12 17 N	74 00 W	2850	1640	HYDRO
GN 6	167	65	10	01	12 17 N	74 00 W	2850	1640	ICITA NET
GN 6	168	65	10	01	13 08 N	73 52 W	3650	2300	HYDRO
GN 6	168	65	10	01	13 08 N	73 52 W	3650	2300	ICITA NET
GN 6	169	65	10	02	12 48 N	74 36 W		0230	ICITA NET
GN 6	170	65	10	02	12 27 N	75 02 W	3650	1100	HYDRO
GN 6	170	65	10	02	12 27 N	75 02 W	3650	1100	ICITA NET
GN 6	171	65	10	02	11 50 N	74 55 W	3100	1645	PRODUCTIVITY
GN 6	171	65	10	02	11 50 N	74 55 W	3100	1645	HYDRO
GN 6	171	65	10	02	11 50 N	74 55 W	3100	1645	ICITA NET
GN 6	172	65	10	03	10 56 N	75 08 W	0018	0100	NIGHT LIGHT
GN 6	173	65	10	03	10 09 N	75 49 W	0026	1800	NIGHT LIGHT
GN 6	174	65	10	04	09 51 N	76 14 W		1610	FISHING
GN 6	174	65	10	04	09 51 N	76 14 W		1610	PRODUCTIVITY
GN 6	174	65	10	04	09 51 N	76 14 W		1610	ICITA NET
GN 6	175	65	10	04	09 39 N	75 41 W	0022	2300	NIGHT LIGHT
GN 6	176	65	10	05	09 58 N	76 00 W		1435	FISHING
GN 6	177	65	10	05	10 21 N	75 59 W	1100	1645	PRODUCTIVITY
GN 6	177	65	10	05	10 21 N	75 59 W	1100	1645	HYDRO
GN 6	177	65	10	05	10 21 N	75 59 W	1100	1645	ICITA NET
GN 6	178	65	10	05	11 03 N	75 58 W	2475	2300	HYDRO
GN 6	179	65	10	06	10 19 N	76 20 W	1350	1645	PRODUCTIVITY
GN 6	179	65	10	06	10 19 N	76 20 W	1350	1645	HYDRO
GN 6	179	65	10	06	10 19 N	76 20 W	1350	1645	ICITA NET
GN 6	180	65	10	06	09 53 N	77 03 W	3100	2300	HYDRO
GN 6	180	65	10	06	09 53 N	77 03 W	3100	2300	ICITA NET
GN 6	181	65	10	07	10 02 N	78 08 W	1554	1645	PRODUCTIVITY
GN 6	181	65	10	07	10 02 N	78 08 W	1554	1645	HYDRO
GN 6	181	65	10	07	10 02 N	78 08 W	1554	1645	ICITA NET
GN 6	182	65	10	07	10 02 N	79 08 W	1825	2300	HYDRO
GN 6	182	65	10	07	10 02 N	79 08 W	1825	2300	ICITA NET
GN 6	183	65	10	08	10 07 N	79 07 W		0330	ICITA NET
GN 6	184	65	10	08	10 32 N	80 20 W	3475	1700	PRODUCTIVITY
GN 6	184	65	10	08	10 32 N	80 20 W	3475	1700	HYDRO
GN 6	184	65	10	08	10 32 N	80 20 W	3475	1700	ICITA NET
GN 6	185	65	10	08	10 31 N	80 34 W	3375	2300	HYDRO
GN 6	185	65	10	08	10 31 N	80 34 W	3375	2300	ICITA NET
GN 6	186	65	10	09	10 24 N	80 38 W		0330	ICITA NET
GN 6	187	65	10	09	11 22 N	81 12 W	3150	1700	PRODUCTIVITY
GN 6	187	65	10	09	11 22 N	81 12 W	3150	1700	HYDRO

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CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSER
GN 6	187	65	10	09	11 22 N	81 12 W	3150	1700	ICITA NET
GN 6	188	65	10	09	12 14 N	81 24 W	1280	2300	HYDRO
GN 6	188	65	10	09	12 14 N	81 24 W	1280	2300	ICITA NET
GN 6	189	65	10	10	11 55 N	81 48 W		0145	TWO-M NET
GN 6	190	65	10	10	12 32 N	81 44 W	2012	1800	FISHING
GN 6	191	65	10	10	12 36 N	81 42 W	0033	2330	PRODUCTIVITY
GN 6	191	65	10	10	12 36 N	81 42 W	0033	2330	NIGHT LIGHT
GN 6	192	65	10	11	13 23 N	81 27 W	1646	1700	HYDRO
GN 6	192	65	10	11	13 23 N	81 27 W	1646	1700	ICITA NET
GN 6	193	65	10	11	14 02 N	81 32 W	0750	2230	HYDRO
GN 6	193	65	10	11	14 02 N	81 32 W	0750	2230	ICITA NET
GN 6	194	65	10	12	13 57 N	81 03 W	1189	0330	C/B NET
GN 6	194	65	10	12	13 57 N	81 03 W	1189	0330	ICITA NET
GN 6	195	65	10	12	14 29 N	80 40 W	1550	1100	HYDRO
GN 6	195	65	10	12	14 29 N	80 40 W	1550	1100	ICITA NET
GN 6	196	65	10	12	15 06 N	80 10 W	1646	1700	PRODUCTIVITY
GN 6	196	65	10	12	15 06 N	80 10 W	1646	1700	HYDRO
GN 6	196	65	10	12	15 06 N	80 10 W	1646	1700	ICITA NET
GN 6	197	65	10	12	15 29 N	80 00 W		2045	FISHING
GN 6	197	65	10	12	15 29 N	80 00 W		2045	ICITA NET
GN 6	198	65	10	12	15 36 N	79 56 W	1450	2300	TWO-M NET
GN 6	198	65	10	12	15 36 N	79 56 W	1450	2300	C/B NET
GN 6	198	65	10	12	15 36 N	79 56 W	1450	2300	HYDRO
GN 6	198	65	10	12	15 36 N	79 56 W	1450	2300	ICITA NET
GN 6	198	65	10	12	15 36 N	79 56 W	1450	2300	NIGHT LIGHT
GN 6	199	65	10	13	15 50 N	79 43 W		1540	FISHING
GN 6	200	65	10	13	15 55 N	79 34 W	1370	1700	PRODUCTIVITY
GN 6	200	65	10	13	15 55 N	79 34 W	1370	1700	HYDRO
GN 6	200	65	10	13	15 55 N	79 34 W	1370	1700	ICITA NET
GN 6	201	65	10	13	16 13 N	78 59 W	1100	2300	HYDRO
GN 6	201	65	10	13	16 13 N	78 59 W	1100	2300	ICITA NET
GN 6	202	65	10	14	16 28 N	78 32 W		0230	ICITA NET
GN 6	203	65	10	14	16 33 N	78 22 W	1280	1100	HYDRO
GN 6	203	65	10	14	16 33 N	78 22 W	1280	1100	ICITA NET
GN 6	204	65	10	14	16 47 N	77 33 W	1370	1650	PRODUCTIVITY
GN 6	204	65	10	14	16 47 N	77 33 W	1370	1650	HYDRO
GN 6	204	65	10	14	16 47 N	77 33 W	1370	1650	ICITA NET
GN 6	205	65	10	14	17 22 N	77 01 W	1550	2300	HYDRO
GN 6	205	65	10	14	17 22 N	77 01 W	1550	2300	ICITA NET
GN 6	206	65	10	15	17 29 N	76 56 W	0033	0000	ICITA NET
GN 6	206	65	10	15	17 29 N	76 56 W	0033	0000	NIGHT LIGHT
GN 6	207	65	10	15	17 49 N	76 10 W	0485	1100	HYDRO
GN 6	207	65	10	15	17 49 N	76 10 W	0485	1100	ICITA NET
GN 6	208	65	10	15	18 23 N	75 57 W		1720	PRODUCTIVITY
GN 6	208	65	10	15	18 23 N	75 57 W		1720	ICITA NET
GN 6	209	65	10	15	18 11 N	76 27 W	0018	2300	NIGHT LIGHT
GN 6	210	65	10	16	17 49 N	75 52 W	1460	1645	HYDRO
GN 6	210	65	10	16	17 49 N	75 52 W	1460	1645	ICITA NET
GN 6	211	65	10	16	17 36 N	75 46 W		2000	FISHING
GN 6	212	65	10	17	17 47 N	76 47 W	0040	0225	NIGHT LIGHT
GN 6	213	65	10	21	18 00 N	77 55 W	0029	2300	NIGHT LIGHT
GN 6	214	65	10	22	17 53 N	78 42 W	1280	1650	PRODUCTIVITY
GN 6	214	65	10	22	17 53 N	78 42 W	1280	1650	HYDRO
GN 6	214	65	10	22	17 53 N	78 42 W	1280	1650	ICITA NET
GN 6	215	65	10	22	17 44 N	79 30 W	2103	2300	TWO-M NET
GN 6	215	65	10	22	17 44 N	79 30 W	2103	2300	C/B NET

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CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSER
GN 6	215	65	10	22	17 44 N	79 30 W	2103	2300	HYDRO
GN 6	215	65	10	22	17 44 N	79 30 W	2103	2300	ICITA NET
GN 6	215	65	10	22	17 44 N	79 30 W	2103	2300	NIGHT LIGHT
GN 6	216	65	10	23	17 43 N	80 36 W	2103	1100	HYDRO
GN 6	216	65	10	23	17 43 N	80 36 W	2103	1100	ICITA NET
GN 6	217	65	10	23	17 37 N	81 37 W	2743	1700	PRODUCTIVITY
GN 6	217	65	10	23	17 37 N	81 37 W	2743	1700	HYDRO
GN 6	217	65	10	23	17 37 N	81 37 W	2743	1700	ICITA NET
GN 6	218	65	10	23	17 32 N	82 22 W	3200	2300	HYDRO
GN 6	218	65	10	23	17 32 N	82 22 W	3200	2300	ICITA NET
GN 6	218	65	10	23	17 32 N	82 22 W	3200	2300	NIGHT LIGHT
GN 6	219	65	10	24	17 24 N	83 56 W	0037	0130	FISHING
GN 6	219	65	10	24	17 24 N	83 56 W	0037	0130	NIGHT LIGHT
GN 6	220	65	10	25	17 00 N	83 56 W	1829	1210	PRODUCTIVITY
GN 6	220	65	10	25	17 00 N	83 56 W	1829	1210	HYDRO
GN 6	220	65	10	25	17 00 N	83 56 W	1829	1210	ICITA NET
GN 6	221	65	10	25	16 13 N	83 56 W	1006	1800	HYDRO
GN 6	222	65	10	26	16 15 N	84 24 W	0786	0600	HYDRO
GN 6	222	65	10	26	16 15 N	84 24 W	0786	0600	ICITA NET
GN 6	223	65	10	26	16 15 N	85 12 W	1234	1215	PRODUCTIVITY
GN 6	223	65	10	26	16 15 N	85 12 W	1234	1215	HYDRO
GN 6	223	65	10	26	16 15 N	85 12 W	1234	1215	ICITA NET
GN 6	224	65	10	26	16 36 N	85 23 W	0530	1800	HYDRO
GN 6	224	65	10	26	16 36 N	85 23 W	0530	1800	ICITA NET
GN 6	225	65	10	27	16 47 N	85 54 W	3658	0600	HYDRO
GN 6	225	65	10	27	16 47 N	85 54 W	3658	0600	ICITA NET
GN 6	226	65	10	27	16 15 N	86 35 W	0933	1220	PRODUCTIVITY
GN 6	226	65	10	27	16 15 N	86 35 W	0933	1220	HYDRO
GN 6	226	65	10	27	16 15 N	86 35 W	0933	1220	ICITA NET
GN 6	227	65	10	27	16 13 N	87 16 W	1280	1800	HYDRO
GN 6	227	65	10	27	16 13 N	87 16 W	1280	1800	ICITA NET
GN 6	228	65	10	28	16 30 N	87 09 W		0530	ICITA NET
GN 6	229	65	10	28	16 32 N	87 42 W	2560	1200	HYDRO
GN 6	230	65	10	28	16 02 N	88 03 W	1463	1825	PRODUCTIVITY
GN 6	230	65	10	28	16 02 N	88 03 W	1463	1825	HYDRO
GN 6	230	65	10	28	16 02 N	88 03 W	1463	1825	ICITA NET
GN 6	230	65	10	28	16 02 N	88 03 W	1463	1825	NIGHT LIGHT
GN 6	230	65	10	28	16 02 N	88 03 W	1463	1825	NIGHT LIGHT
GN 6	231	65	10	28	16 02 N	88 40 W		2100	NIGHT LIGHT
GN 6	231	65	10	28	16 02 N	88 40 W		2100	NIGHT LIGHT
GN 6	232	65	10	29	15 58 N	88 18 W		1520	FISHING
GN 6	233	65	10	30	17 21 N	87 05 W	3566	1200	HYDRO
GN 6	233	65	10	30	17 21 N	87 05 W	3566	1200	ICITA NET
GN 6	234	65	10	30	18 17 N	87 10 W	2377	1825	PRODUCTIVITY
GN 6	234	65	10	30	18 17 N	87 10 W	2377	1825	HYDRO
GN 6	234	65	10	30	18 17 N	87 10 W	2377	1825	ICITA NET
GN 6	235	65	10	31	18 50 N	87 02 W	1463	0000	HYDRO
GN 6	235	65	10	31	18 50 N	87 02 W	1463	0000	ICITA NET
GN 6	236	65	10	31	20 25 N	86 41 W	1100	1200	HYDRO
GN 6	236	65	10	31	20 25 N	86 41 W	1100	1200	ICITA NET
GN 6	237	65	10	31	21 02 N	86 27 W		1710	FISHING
GN 6	238	65	10	31	21 17 N	86 16 W	1100	1805	HYDRO
GN 6	238	65	10	31	21 17 N	86 16 W	1100	1805	ICITA NET
GN 6	239	65	10	31	21 15 N	85 45 W	1460	2235	HYDRO
GN 6	239	65	10	31	21 15 N	85 45 W	1460	2235	ICITA NET
GN 6	240	65	11	01	21 22 N	85 13 W	3300	0200	HYDRO

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CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSER
GN 6	240	65	11	01	21 22 N	85 13 W	3300	0200	ICITA NET
GN 6	241	65	11	01	21 33 N	85 26 W	2100	0550	HYDRO
GN 6	241	65	11	01	21 33 N	85 26 W	2100	0550	ICITA NET
GN 6	242	65	11	01	21 30 N	85 47 W	2012	1100	HYDRO
GN 6	242	65	11	01	21 30 N	85 47 W	2012	1100	ICITA NET
GN 6	243	65	11	01	21 17 N	86 07 W	1646	1400	HYDRO
GN 6	243	65	11	01	21 17 N	86 07 W	1646	1400	ICITA NET
GN 6	244	65	11	01	21 52 N	86 16 W	0823	1700	HYDRO
GN 6	244	65	11	01	21 52 N	86 16 W	0823	1700	ICITA NET
GN 6	245	65	11	01	21 48 N	86 00 W	1829	2016	HYDRO
GN 6	245	65	11	01	21 48 N	86 00 W	1829	2016	ICITA NET
GN 6	246	65	11	01	21 45 N	85 38 W	2058	2300	HYDRO
GN 6	246	65	11	01	21 45 N	85 38 W	2058	2300	ICITA NET
GN 6	247	65	11	02	22 01 N	85 30 W	2060	0130	HYDRO
GN 6	247	65	11	02	22 01 N	85 30 W	2060	0130	ICITA NET
GN 6	248	65	11	02	21 58 N	85 50 W	1920	0415	HYDRO
GN 6	248	65	11	02	21 58 N	85 50 W	1920	0415	ICITA NET
GN 6	T01	65	07	22	34 52 N	75 40 W	4850	1921	ICITA NET
GN 6	T03	65	07	31	24 45 N	75 33 W		1913	HYDRO
GN 6	T03	65	07	31	24 45 N	75 33 W		1913	ICITA NET
GN 6	T04	65	08	02	20 17 N	68 49 W	1554	1815	HYDRO
GN 6	T04	65	08	02	20 17 N	68 49 W	1554	1815	ICITA NET

END OF DATA
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APPENDIX 1 (continued)

GERONIMO CRUISE 7

January 24 to April 14, 1966

OBSERVATION CODES

BDM	- Bottom depth meters
GMT	- Greenwich Mean Time
HYDRO	- Hydrographic
ICITA NET	- Plankton net

CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSERV
GN 7	1	66	1	24	24 41 N	80 48 W	0036	2230	NIGHT LIGHT
GN 7	2	66	1	25	24 40 N	82 10 W	0018	1830	FISHING
GN 7	2	66	1	25	24 40 N	82 10 W	0018	1830	NIGHT LIGHT
GN 7	3	66	1	26	26 10 N	81 55 W		1320	FISHING
GN 7	4	66	1	26	26 23 N	81 58 W		1950	FISHING
GN 7	4	66	1	26	26 23 N	81 58 W		1950	NIGHT LIGHT
GN 7	5	66	1	31	23 47 N	74 28 W	2268	2300	ICITA NET
GN 7	5	66	1	31	23 47 N	74 28 W	2268	2300	NIGHT LIGHT
GN 7	6	66	2	1	23 00 N	73 08 W	2700	1100	HYDRO
GN 7	6	66	2	1	23 00 N	73 08 W	2700	1100	ICITA NET
GN 7	7	66	2	1	22 24 N	72 24 W	3072	1445	FISHING
GN 7	8	66	2	1	22 11 N	72 07 W	3614	2300	HYDRO
GN 7	8	66	2	1	22 11 N	72 07 W	3614	2300	ICITA NET
GN 7	9	66	2	2	21 19 N	71 20 W	4553	1100	HYDRO
GN 7	9	66	2	2	21 19 N	71 20 W	4553	1100	ICITA NET
GN 7	10	66	2	2	21 05 N	70 52 W		1500	FISHING
GN 7	14	66	2	3	18 55 N	65 48 W	3931	2300	HYDRO
GN 7	13	66	2	3	19 24 N	67 17 W	7315	1340	FISHING
GN 7	12	66	2	3	19 29 N	67 25 W	7772	1100	ICITA NET
GN 7	12	66	2	3	19 29 N	67 25 W	7772	1100	HYDRO
GN 7	11	66	2	2	20 18 N	68 42 W	1737	2018	NIGHT LIGHT
GN 7	11	66	2	2	20 18 N	68 42 W	1737	2018	ICITA NET
GN 7	11	66	2	2	20 18 N	68 42 W	1737	2018	HYDRO
GN 7	14	66	2	3	18 55 N	65 48 W	3931	2300	ICITA NET
GN 7	14	66	2	3	18 55 N	65 48 W	3931	2300	NIGHT LIGHT
GN 7	15	66	2	4	18 29 N	63 18 W	0046	1625	FISHING
GN 7	16	66	2	4	18 26 N	62 53 W	0054	2015	FISHING
GN 7	17	66	2	4	18 29 N	62 51 W	1463	2215	HYDRO
GN 7	17	66	2	4	18 29 N	62 51 W	1463	2215	ICITA NET
GN 7	17	66	2	4	18 29 N	62 51 W	1463	2215	FISHING
GN 7	17	66	2	4	18 29 N	62 51 W	1463	2215	NIGHT LIGHT
GN 7	18	66	2	5	17 27 N	61 30 W	3027	1230	FISHING
GN 7	19	66	2	5	16 50 N	61 08 W	2377	1610	HYDRO
GN 7	19	66	2	5	16 50 N	61 08 W	2377	1610	PRODUCTIVITY
GN 7	19	66	2	5	16 50 N	61 08 W	2377	1610	ICITA NET
GN 7	20	66	2	5	16 27 N	60 50 W	1189	2220	HYDRO
GN 7	20	66	2	5	16 27 N	60 50 W	1189	2220	ICITA NET
GN 7	20	66	2	5	16 27 N	60 50 W	1189	2220	NIGHT LIGHT
GN 7	21	66	2	6	13 59 N	60 23 W	1737	1610	HYDRO
GN 7	21	66	2	6	13 59 N	60 23 W	1737	1610	PRODUCTIVITY
GN 7	21	66	2	6	13 59 N	60 23 W	1737	1610	ICITA NET
GN 7	22	66	2	6	13 44 N	60 12 W	1646	1925	FISHING
GN 7	23	66	2	6	13 35 N	59 54 W	0823	2215	HYDRO
GN 7	23	66	2	6	13 35 N	59 54 W	0823	2215	ICITA NET
GN 7	23	66	2	6	13 35 N	59 54 W	0823	2215	NIGHT LIGHT
GN 7	24	66	2	7	12 17 N	60 14 W	2195	1610	HYDRO
GN 7	24	66	2	7	12 17 N	60 14 W	2195	1610	ICITA NET
GN 7	25	66	2	7	11 57 N	60 33 W		2000	ICITA NET
GN 7	25	66	2	7	11 57 N	60 33 W		2000	FISHING
GN 7	26	66	2	7	11 51 N	60 34 W	1829	2140	FISHING
GN 7	27	66	2	13	09 35 N	59 13 W	1189	2230	HYDRO
GN 7	27	66	2	13	09 35 N	59 13 W	1189	2230	ICITA NET
GN 7	28	66	2	14	08 18 N	57 11 W	1189	1600	HYDRO
GN 7	28	66	2	14	08 18 N	57 11 W	1189	1600	PRODUCTIVITY
GN 7	28	66	2	14	08 18 N	57 11 W	1189	1600	ICITA NET
GN 7	29	66	2	15	07 39 N	54 16 W	0485	1545	HYDRO
GN 7	29	66	2	15	07 39 N	54 16 W	0485	1545	PRODUCTIVITY
GN 7	29	66	2	15	07 39 N	54 16 W	0485	1545	ICITA NET
GN 7	30	66	2	18	02 54 N	47 00 W	2195	0830	HYDRO
GN 7	30	66	2	18	02 54 N	47 00 W	2195	0830	ICITA NET

CRUISE		STA	YR	MO	DA	LAT	LONG	BOM	GMT	Z	TYPE OBSERV
GN	7	31	66	2	18	03 00 N	48 04 W	0338	1520		HYDRO
GN	7	31	66	2	18	03 00 N	48 04 W	0338	1520		PRODUCTIVITY
GN	7	31	66	2	18	03 00 N	48 04 W	0338	1520		ICITA NET
GN	7	32	66	2	18	03 02 N	49 02 W	0071	2200		HYDRO
GN	7	32	66	2	18	03 02 N	49 02 W	0071	2200		ICITA NET
GN	7	32	66	2	18	03 02 N	49 02 W	0071	2200		NIGHT LIGHT
GN	7	33	66	2	19	03 22 N	49 30 W	0076	1040		FISHING
GN	7	34	66	2	19	04 02 N	49 03 W	0338	1530		HYDRO
GN	7	34	66	2	19	04 02 N	49 03 W	0338	1530		PRODUCTIVITY
GN	7	34	66	2	19	04 02 N	49 03 W	0338	1530		ICITA NET
GN	7	35	66	2	19	03 56 N	49 18 W	0110	1840		FISHING
GN	7	36	66	2	19	03 42 N	50 05 W	0082	2200		HYDRO
GN	7	36	66	2	19	03 42 N	50 05 W	0082	2200		ICITA NET
GN	7	36	66	2	19	03 42 N	50 05 W	0082	2200		NIGHT LIGHT
GN	7	37	66	2	20	04 08 N	50 07 W	0082	1145		FISHING
GN	7	38	66	2	20	04 47 N	50 02 W	0512	1530		HYDRO
GN	7	38	66	2	20	04 47 N	50 02 W	0512	1530		PRODUCTIVITY
GN	7	38	66	2	20	04 47 N	50 02 W	0512	1530		ICITA NET
GN	7	39	66	2	20	04 52 N	50 20 W	0219	1745		ICITA NET
GN	7	39	66	2	20	04 52 N	50 20 W	0219	1745		FISHING
GN	7	40	66	2	20	05 00 N	51 02 W	0073	2130		HYDRO
GN	7	40	66	2	20	05 00 N	51 02 W	0073	2130		ICITA NET
GN	7	41	66	2	21	05 32 N	51 17 W	0099	0945		FISHING
GN	7	42	66	2	21	05 39 N	51 17 W	0099	1030		FISHING
GN	7	43	66	2	21	05 45 N	51 16 W		1130		FISHING
GN	7	44	66	2	21	06 18 N	50 57 W	3109	1530		HYDRO
GN	7	44	66	2	21	06 18 N	50 57 W	3109	1530		PRODUCTIVITY
GN	7	44	66	2	21	06 18 N	50 57 W	3109	1530		ICITA NET
GN	7	45	66	2	21	07 01 N	50 57 W	3931	2130		HYDRO
GN	7	45	66	2	21	07 01 N	50 57 W	3931	2130		ICITA NET
GN	7	46	66	2	22	06 30 N	52 07 W	2057	0830		HYDRO
GN	7	47	66	2	22	06 44 N	52 31 W	0457	1530		HYDRO
GN	7	47	66	2	22	06 44 N	52 31 W	0457	1530		PRODUCTIVITY
GN	7	47	66	2	22	06 44 N	52 31 W	0457	1530		ICITA NET
GN	7	48	66	2	22	06 58 N	53 18 W	0118	2145		HYDRO
GN	7	48	66	2	22	06 58 N	53 18 W	0118	2145		ICITA NET
GN	7	49	66	2	23	07 03 N	53 32 W	0082	1540		HYDRO
GN	7	49	66	2	23	07 03 N	53 32 W	0082	1540		PRODUCTIVITY
GN	7	49	66	2	23	07 03 N	53 32 W	0082	1540		ICITA NET
GN	7	50	66	2	23	06 40 N	53 10 W	0073	2145		HYDRO
GN	7	50	66	2	23	06 40 N	53 10 W	0073	2145		ICITA NET
GN	7	51	66	2	24	07 20 N	52 41 W	1143	0930		HYDRO
GN	7	51	66	2	24	07 20 N	52 41 W	1143	0930		ICITA NET
GN	7	52	66	2	24	07 46 N	52 50 W	1440	1300		FISHING
GN	7	53	66	2	24	08 15 N	52 51 W	2743	1540		HYDRO
GN	7	53	66	2	24	08 15 N	52 51 W	2743	1540		PRODUCTIVITY
GN	7	53	66	2	24	08 15 N	52 51 W	2743	1540		ICITA NET
GN	7	54	66	2	24	09 07 N	53 15 W	6218	2145		HYDRO
GN	7	54	66	2	24	09 07 N	53 15 W	6218	2145		ICITA NET
GN	7	55	66	2	25	09 57 N	54 05 W	4480	0930		HYDRO
GN	7	55	66	2	25	09 57 N	54 05 W	4480	0930		ICITA NET
GN	7	56	66	2	25	09 02 N	54 01 W	1829	1545		HYDRO
GN	7	56	66	2	25	09 02 N	54 01 W	1829	1545		PRODUCTIVITY
GN	7	56	66	2	25	09 02 N	54 01 W	1829	1545		ICITA NET
GN	7	57	66	2	25	08 13 N	53 55 W	1280	2200		HYDRO
GN	7	57	66	2	25	08 13 N	53 55 W	1280	2200		ICITA NET
GN	7	58	66	2	26	07 32 N	54 56 W	0887	0930		HYDRO
GN	7	59	66	2	26	07 31 N	54 14 W	0293	1530		HYDRO
GN	7	59	66	2	26	07 31 N	54 14 W	0293	1530		PRODUCTIVITY
GN	7	59	66	2	26	07 31 N	54 14 W	0293	1530		ICITA NET
GN	7	60	66	2	26	08 03 N	54 36 W	0969	2200		HYDRO

CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSERV
GN 7	60	66	2	26	08 03 N	54 36 W	0969	2200	ICITA NET
GN 7	60	66	2	26	08 03 N	54 36 W	0969	2200	FISHING
GN 7	61	66	2	27	08 50 N	54 58 W	3292	1550	HYDRO
GN 7	61	66	2	27	08 50 N	54 58 W	3292	1550	PRODUCTIVITY
GN 7	61	66	2	27	08 50 N	54 58 W	3292	1550	ICITA NET
GN 7	62	66	2	27	09 02 N	55 03 W		1900	FISHING
GN 7	63	66	2	27	09 27 N	55 09 W	3475	2200	HYDRO
GN 7	63	66	2	27	09 27 N	55 09 W	3475	2200	ICITA NET
GN 7	64	66	2	28	09 19 N	56 11 W	3475	0930	HYDRO
GN 7	64	66	2	28	09 19 N	56 11 W	3475	0930	ICITA NET
GN 7	65	66	2	28	08 28 N	56 15 W	3109	1545	HYDRO
GN 7	65	66	2	28	08 28 N	56 15 W	3109	1545	PRODUCTIVITY
GN 7	65	66	2	28	08 28 N	56 15 W	3109	1545	ICITA NET
GN 7	66	66	2	28	07 53 N	56 07 W	2012	2200	HYDRO
GN 7	66	66	2	28	07 53 N	56 07 W	2012	2200	ICITA NET
GN 7	67	66	3	1	07 11 N	56 14 W	0073	0930	HYDRO
GN 7	67	66	3	1	07 11 N	56 14 W	0073	0930	ICITA NET
GN 7	68	66	3	1	07 00 N	56 52 W	0090	1340	FISHING
GN 7	69	66	3	1	07 18 N	57 00 W	0055	1600	HYDRO
GN 7	69	66	3	1	07 18 N	57 00 W	0055	1600	PRODUCTIVITY
GN 7	69	66	3	1	07 18 N	57 00 W	0055	1600	ICITA NET
GN 7	70	66	3	1	08 12 N	57 07 W	2012	2200	ICITA NET
GN 7	71	66	3	2	09 13 N	57 02 W	3109	1555	HYDRO
GN 7	71	66	3	2	09 13 N	57 02 W	3109	1555	PRODUCTIVITY
GN 7	71	66	3	2	09 13 N	57 02 W	3109	1555	ICITA NET
GN 7	72	66	3	2	10 00 N	57 00 W	3658	2200	HYDRO
GN 7	72	66	3	2	10 00 N	57 00 W	3658	2200	ICITA NET
GN 7	73	66	3	3	10 29 N	57 42 W	3840	1555	HYDRO
GN 7	73	66	3	3	10 29 N	57 42 W	3840	1555	PRODUCTIVITY
GN 7	73	66	3	3	10 29 N	57 42 W	3840	1555	ICITA NET
GN 7	74	66	3	3	10 09 N	58 00 W	3109	2200	HYDRO
GN 7	74	66	3	3	10 09 N	58 00 W	3109	2200	ICITA NET
GN 7	74	66	3	3	10 09 N	58 00 W	3109	2200	NEUSTON NET
GN 7	75	66	3	4	09 25 N	57 56 W	2926	1555	HYDRO
GN 7	75	66	3	4	09 25 N	57 56 W	2926	1555	PRODUCTIVITY
GN 7	75	66	3	4	09 25 N	57 56 W	2926	1555	ICITA NET
GN 7	76	66	3	4	08 51 N	58 06 W	2195	2200	HYDRO
GN 7	76	66	3	4	08 51 N	58 06 W	2195	2200	ICITA NET
GN 7	76	66	3	4	08 51 N	58 06 W	2195	2200	TWO-M NET
GN 7	77	66	3	5	09 40 N	58 50 W	1920	1450	HYDRO
GN 7	77	66	3	5	09 40 N	58 50 W	1920	1450	PRODUCTIVITY
GN 7	77	66	3	5	09 40 N	58 50 W	1920	1450	ICITA NET
GN 7	77	66	3	5	09 40 N	58 50 W	1920	1450	FISHING
GN 7	78	66	3	5	10 25 N	58 51 W	2012	2200	HYDRO
GN 7	78	66	3	5	10 25 N	58 57 W	2012	2200	ICITA NET
GN 7	79	66	3	6	11 42 N	58 57 W	1554	1600	HYDRO
GN 7	79	66	3	6	11 42 N	58 57 W	1554	1600	PRODUCTIVITY
GN 7	79	66	3	6	11 42 N	58 57 W	1554	1600	ICITA NET
GN 7	79	66	3	6	11 42 N	58 57 W	1554	1600	TWO-M NET
GN 7	80	66	3	6	12 02 N	59 29 W	2560	2200	HYDRO
GN 7	80	66	3	6	12 02 N	59 29 W	2560	2200	ICITA NET
GN 7	81	66	3	7	12 00 N	60 01 W	1509	0930	HYDRO
GN 7	81	66	3	7	12 00 N	60 01 W	1509	0930	ICITA NET
GN 7	82	66	3	7	11 32 N	60 55 W	0914	1610	HYDRO
GN 7	82	66	3	7	11 32 N	60 55 W	0914	1610	PRODUCTIVITY
GN 7	82	66	3	7	11 32 N	60 55 W	0914	1610	ICITA NET
GN 7	83	66	3	13	10 52 N	62 10 W	0091	1545	HYDRO
GN 7	83	66	3	13	10 52 N	62 10 W	0091	1545	PRODUCTIVITY
GN 7	83	66	3	13	10 52 N	62 10 W	0091	1545	ICITA NET
GN 7	84	66	3	13	11 03 N	63 11 W	0035	2000	HYDRO
GN 7	84	66	3	13	11 03 N	63 11 W	0035	2000	ICITA NET

CRUISE		STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSERV
GN	7	85	66	3	14	10 44 N	64 32 W	0549	1000	HYDRO
GN	7	85	66	3	14	10 44 N	64 32 W	0549	1000	ICITA NET
GN	7	86	66	3	15	11 39 N	65 12 W	1426	1000	HYDRO
GN	7	86	66	3	15	11 39 N	65 12 W	1426	1000	ICITA NET
GN	7	87	66	3	15	11 34 N	64 20 W	0805	1540	HYDRO
GN	7	87	66	3	15	11 34 N	64 20 W	0805	1540	PRODUCTIVITY
GN	7	87	66	3	15	11 34 N	64 20 W	0805	1540	ICITA NET
GN	7	87	66	3	15	11 34 N	64 20 W	0805	1540	FISHING
GN	7	88	66	3	15	11 38 N	63 32 W	0082	2230	HYDRO
GN	7	88	66	3	15	11 38 N	63 32 W	0082	2230	ICITA NET
GN	7	89	66	3	16	12 35 N	62 54 W	1280	1000	HYDRO
GN	7	89	66	3	16	12 35 N	62 54 W	1280	1000	ICITA NET
GN	7	90	66	3	16	12 30 N	63 40 W	1024	1540	HYDRO
GN	7	90	66	3	16	12 30 N	63 40 W	1024	1540	PRODUCTIVITY
GN	7	90	66	3	16	12 30 N	63 40 W	1024	1540	ICITA NET
GN	7	91	66	3	16	12 25 N	64 20 W	2926	2010	FISHING
GN	7	92	66	3	17	12 25 N	64 57 W	4389	2340	HYDRO
GN	7	92	66	3	17	12 25 N	64 57 W	4389	2340	ICITA NET
GN	7	93	66	3	17	13 39 N	64 35 W	3292	1000	HYDRO
GN	7	93	66	3	17	13 39 N	64 35 W	3292	1000	ICITA NET
GN	7	94	66	3	17	13 38 N	63 43 W	1280	1540	HYDRO
GN	7	94	66	3	17	13 38 N	63 43 W	1280	1540	PRODUCTIVITY
GN	7	94	66	3	17	13 38 N	63 43 W	1280	1540	ICITA NET
GN	7	95	66	3	17	13 28 N	63 10 W	1097	2210	HYDRO
GN	7	95	66	3	17	13 28 N	63 10 W	1097	2210	ICITA NET
GN	7	96	66	3	18	14 33 N	63 03 W	1646	1000	HYDRO
GN	7	96	66	3	18	14 33 N	63 03 W	1646	1000	ICITA NET
GN	7	97	66	3	18	14 32 N	63 56 W	2560	1540	HYDRO
GN	7	97	66	3	18	14 32 N	63 56 W	2560	1540	PRODUCTIVITY
GN	7	97	66	3	18	14 32 N	63 56 W	2560	1540	ICITA NET
GN	7	98	66	3	18	14 32 N	64 30 W	1850	2015	FISHING
GN	7	99	66	3	18	14 40 N	65 00 W	3658	2400	HYDRO
GN	7	99	66	3	18	14 40 N	65 00 W	3658	2400	ICITA NET
GN	7	100	66	3	19	14 30 N	65 59 W	4755	1000	HYDRO
GN	7	100	66	3	19	14 30 N	65 59 W	4755	1000	ICITA NET
GN	7	101	66	3	19	14 37 N	66 53 W	4810	1550	HYDRO
GN	7	101	66	3	19	14 37 N	66 53 W	4810	1550	PRODUCTIVITY
GN	7	101	66	3	19	14 37 N	66 53 W	4810	1550	ICITA NET
GN	7	102	66	3	19	14 33 N	67 57 W	4920	2315	HYDRO
GN	7	102	66	3	19	14 33 N	67 57 W	4920	2315	ICITA NET
GN	7	103	66	3	20	13 25 N	68 04 W	4389	1000	HYDRO
GN	7	103	66	3	20	13 25 N	68 04 W	4389	1000	ICITA NET
GN	7	104	66	3	20	13 24 N	67 21 W	5121	1550	HYDRO
GN	7	104	66	3	20	13 24 N	67 21 W	5121	1550	PRODUCTIVITY
GN	7	104	66	3	20	13 24 N	67 21 W	5121	1550	ICITA NET
GN	7	105	66	3	21	13 31 N	66 22 W	4755	2400	HYDRO
GN	7	105	66	3	21	13 31 N	66 22 W	4755	2400	ICITA NET
GN	7	106	66	3	21	12 26 N	66 00 W	4206	1000	HYDRO
GN	7	106	66	3	21	12 26 N	66 00 W	4206	1000	ICITA NET
GN	7	107	66	3	21	12 25 N	66 51 W	3932	1550	HYDRO
GN	7	107	66	3	21	12 25 N	66 51 W	3932	1550	PRODUCTIVITY
GN	7	107	66	3	21	12 25 N	66 51 W	3932	1550	ICITA NET
GN	7	108	66	3	21	12 30 N	67 18 W	4188	1945	FISHING
GN	7	109	66	3	21	12 36 N	67 58 W	4243	0000	HYDRO
GN	7	109	66	3	21	12 36 N	67 58 W	4243	0000	ICITA NET
GN	7	110	66	3	22	11 27 N	67 59 W	1372	1100	HYDRO
GN	7	110	66	3	22	11 27 N	67 59 W	1372	1100	ICITA NET
GN	7	111	66	3	22	11 22 N	67 18 W	1884	1630	HYDRO
GN	7	111	66	3	22	11 22 N	67 18 W	1884	1630	PRODUCTIVITY
GN	7	111	66	3	22	11 22 N	67 18 W	1884	1630	ICITA NET
GN	7	112	66	3	22	11 27 N	66 09 W	0960	0100	HYDRO

CRUISE		STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSERV
GN	7	112	66	3	22	11 27 N	66 09 W	0960	0100	ICITA NET
GN	7	113	66	3	23	10 40 N	65 40 W	1134	1100	HYDRO
GN	7	113	66	3	23	10 40 N	65 40 W	1134	1100	ICITA NET
GN	7	114	66	3	23	10 45 N	66 18 W	0164	1625	HYDRO
GN	7	114	66	3	23	10 45 N	66 18 W	0164	1625	PRODUCTIVITY
GN	7	114	66	3	23	10 45 N	66 18 W	0164	1625	ICITA NET
GN	7	115	66	3	23	10 47 N	67 03 W	0229	2145	HYDRO
GN	7	115	66	3	23	10 47 N	67 03 W	0229	2145	ICITA NET
GN	7	115	66	3	23	10 47 N	67 03 W	0229	2145	FISHING
GN	7	116	66	3	24	10 47 N	67 03 W	0237	1600	HYDRO
GN	7	116	66	3	24	10 47 N	67 03 W	0237	1600	PRODUCTIVITY
GN	7	116	66	3	24	10 47 N	67 03 W	0237	1600	ICITA NET
GN	7	116	66	3	24	10 47 N	67 03 W	0237	1600	FISHING
GN	7	117	66	3	24	11 03 N	68 07 W	0165	0100	HYDRO
GN	7	117	66	3	24	11 03 N	68 07 W	0165	0100	ICITA NET
GN	7	118	66	3	25	11 50 N	69 18 W	0940	1100	HYDRO
GN	7	118	66	3	25	11 50 N	69 18 W	0940	1100	ICITA NET
GN	7	119	66	3	25	12 19 N	70 00 W	0064	1630	HYDRO
GN	7	119	66	3	25	12 19 N	70 00 W	0064	1630	PRODUCTIVITY
GN	7	119	66	3	25	12 19 N	70 00 W	0064	1630	ICITA NET
GN	7	120	66	3	25	12 38 N	71 00 W	0073	2240	HYDRO
GN	7	120	66	3	25	12 38 N	71 00 W	0073	2240	ICITA NET
GN	7	121	66	3	26	13 31 N	70 59 W	2743	1100	HYDRO
GN	7	121	66	3	26	13 31 N	70 59 W	2743	1100	ICITA NET
GN	7	122	66	3	26	13 32 N	70 32 W	3658	1640	HYDRO
GN	7	122	66	3	26	13 32 N	70 32 W	3658	1640	PRODUCTIVITY *
GN	7	122	66	3	26	13 32 N	70 32 W	3658	1640	ICITA NET
GN	7	123	66	3	27	13 00 N	69 53 W	1399	2400	HYDRO
GN	7	123	66	3	27	13 00 N	69 53 W	1399	2400	ICITA NET
GN	7	124	66	3	27	12 12 N	69 14 W	1198	1100	HYDRO
GN	7	124	66	3	27	12 12 N	69 14 W	1198	1100	ICITA NET
GN	7	125	66	4	2	10 45 N	64 32 W	0549	1000	HYDRO
GN	7	125	66	4	2	10 45 N	64 32 W	0549	1000	ICITA NET
GN	7	126	66	4	3	13 10 N	63 34 W	2889	1400	FISHING
GN	7	127	66	4	3	13 18 N	62 08 W	3274	2200	HYDRO
GN	7	127	66	4	3	13 18 N	62 08 W	3274	2200	ICITA NET
GN	7	127	66	4	3	13 18 N	62 08 W	3274	2200	FISHING
GN	7	128	66	4	4	13 17 N	61 44 W		1300	FISHING
GN	7	129	66	4	4	13 25 N	62 16 W	2926	2200	HYDRO
GN	7	129	66	4	4	13 25 N	62 16 W	2926	2200	ICITA NET
GN	7	130	66	4	6	12 45 N	62 10 W	2743	0045	HYDRO
GN	7	130	66	4	6	12 45 N	62 10 W	2743	0045	ICITA NET
GN	7	130	66	4	6	12 45 N	62 10 W	2743	0045	FISHING
GN	7	131	66	4	6	13 17 N	62 08 W	3078	1915	FISHING
GN	7	132	66	4	7	12 49 N	62 09 W	2952	1920	FISHING
GN	7	133	66	4	7	12 47 N	62 06 W		2115	FISHING
GN	7	134	66	4	8	13 35 N	62 50 W	1445	1230	HYDRO
GN	7	134	66	4	8	13 35 N	62 50 W	1445	1230	ICITA NET
GN	7	135	66	4	8	13 10 N	62 51 W	1463	1528	HYDRO
GN	7	135	66	4	8	13 10 N	62 51 W	1463	1528	PRODUCTIVITY
GN	7	135	66	4	8	13 10 N	62 51 W	1463	1528	ICITA NET
GN	7	136	66	4	8	12 50 N	62 50 W	2999	1843	HYDRO
GN	7	136	66	4	8	12 50 N	62 50 W	2999	1843	ICITA NET
GN	7	137	66	4	8	12 34 N	62 51 W	2743	2136	HYDRO
GN	7	137	66	4	8	12 34 N	62 51 W	2743	2136	ICITA NET
GN	7	138	66	4	9	13 42 N	62 35 W	2360	1230	HYDRO
GN	7	138	66	4	9	13 42 N	62 35 W	2360	1230	ICITA NET
GN	7	139	66	4	9	13 17 N	62 36 W	2432	1530	HYDRO
GN	7	139	66	4	9	13 17 N	62 36 W	2432	1530	PRODUCTIVITY
GN	7	139	66	4	9	13 17 N	62 36 W	2432	1530	ICITA NET

CRUISE		STA	YR	MO	DA	LAT	LONG	BDM	GMT	TYPE OBSERV
GN	7	140	66	4	9	12 58 N	62 36 W	3109	1837	HYDRO
GN	7	140	66	4	9	12 58 N	62 36 W	3109	1837	ICITA NET
GN	7	141	66	4	9	12 40 N	62 35 W	3017	2136	HYDRO
GN	7	141	66	4	9	12 40 N	62 35 W	3017	2136	ICITA NET
GN	7	142	66	4	10	13 45 N	62 20 W	2981	1230	HYDRO
GN	7	142	66	4	10	13 45 N	62 20 W	2981	1230	ICITA NET
GN	7	143	66	4	10	13 22 N	62 20 W	2926	1527	HYDRO
GN	7	143	66	4	10	13 22 N	62 20 W	2926	1527	PRODUCTIVITY
GN	7	143	66	4	10	13 22 N	62 20 W	2926	1527	ICITA NET
GN	7	144	66	4	10	13 06 N	62 19 W	2962	1845	HYDRO
GN	7	144	66	4	10	13 06 N	62 19 W	2962	1845	ICITA NET
GN	7	145	66	4	10	12 51 N	62 20 W	3072	2155	HYDRO
GN	7	145	66	4	10	12 51 N	62 20 W	3072	2155	ICITA NET
GN	7	145	66	4	10	12 51 N	62 20 W	3072	2155	NIGHT LIGHT
GN	7	146	66	4	11	13 39 N	62 05 W	2743	1230	HYDRO
GN	7	146	66	4	11	13 39 N	62 05 W	2743	1230	ICITA NET
GN	7	147	66	4	11	13 19 N	62 06 W	3109	1603	HYDRO
GN	7	147	66	4	11	13 19 N	62 06 W	3109	1603	PRODUCTIVITY
GN	7	147	66	4	11	13 19 N	62 06 W	3109	1603	ICITA NET
GN	7	148	66	4	11	13 06 N	62 05 W	3101	1909	HYDRO
GN	7	148	66	4	11	13 06 N	62 05 W	3101	1909	ICITA NET
GN	7	149	66	4	11	12 50 N	62 04 W	3017	2210	HYDRO
GN	7	149	66	4	11	12 50 N	62 04 W	3017	2210	ICITA NET
GN	7	149	66	4	11	12 50 N	62 04 W	3017	2210	NIGHT LIGHT
GN	7	150	66	4	12	13 35 N	61 50 W	3017	1230	HYDRO
GN	7	150	66	4	12	13 35 N	61 50 W	3017	1230	ICITA NET
GN	7	151	66	4	12	13 20 N	61 51 W	2871	1525	HYDRO
GN	7	151	66	4	12	13 20 N	61 51 W	2871	1525	PRODUCTIVITY
GN	7	151	66	4	12	13 20 N	61 51 W	2871	1525	ICITA NET
GN	7	152	66	4	12	13 08 N	61 50 W	2743	1913	HYDRO
GN	7	152	66	4	12	13 08 N	61 50 W	2743	1913	ICITA NET
GN	7	153	66	4	12	12 54 N	61 49 W	2743	2215	HYDRO
GN	7	153	66	4	12	12 54 N	61 49 W	2743	2215	ICITA NET
GN	7	153	66	4	12	12 54 N	61 49 W	2743	2215	NIGHT LIGHT
GN	7	154	66	4	13	13 47 N	61 35 W	2834	1230	HYDRO
GN	7	154	66	4	13	13 47 N	61 35 W	2834	1230	ICITA NET
GN	7	155	66	4	13	13 32 N	61 35 W	2834	1555	HYDRO
GN	7	155	66	4	13	13 32 N	61 35 W	2834	1555	PRODUCTIVITY
GN	7	155	66	4	13	13 32 N	61 35 W	2834	1555	ICITA NET
GN	7	156	66	4	13	13 16 N	61 34 W	2780	1920	HYDRO
GN	7	156	66	4	13	13 16 N	61 34 W	2780	1920	ICITA NET
GN	7	157	66	4	13	13 01 N	61 36 W	2743	2230	HYDRO
GN	7	157	66	4	13	13 01 N	61 36 W	2743	2230	ICITA NET
GN	7	158	66	4	14	13 35 N	61 20 W	2560	1230	HYDRO
GN	7	158	66	4	14	13 35 N	61 20 W	2560	1230	ICITA NET
GN	7	159	66	4	14	13 20 N	61 20 W	2049	1517	HYDRO
GN	7	159	66	4	14	13 20 N	61 20 W	2049	1517	PRODUCTIVITY
GN	7	159	66	4	14	13 20 N	61 20 W	2049	1517	ICITA NET
GN	7	160	66	4	14	13 05 N	61 20 W	1500	1830	HYDRO
GN	7	160	66	4	14	13 05 N	61 20 W	1500	1830	ICITA NET
GN	7	161	66	4	14	12 47 N	61 23 W	1061	2120	HYDRO
GN	7	161	66	4	14	12 47 N	61 23 W	1061	2120	ICITA NET

APPENDIX 1 (continued)

GERONIMO CRUISE 8

June 2 to 7, 1966

GN-8

GERINIMO 8 PLANKTON DATA
1966

STA NO 1/	LATITUDE	LONGITUDE	DATE MO	DATE DA	HR GMT	HAUL	SAMP	NET	TOW	TIME MIN	DEPTH OF TOW	WATER FILT	DISPL VOLUME	VOLUME/ 1000 M3
0001	25 42 N	079 20 W	06	02	15	01		01	01	018	0021	0831	22.0	26.5
0002	25 42 N	079 21 W	06	02	17	01		01	01	014	0017	0610	14.0	23.0
0003	25 42 N	079 22 W	06	02	18	01		01	01	015	0017	0671	18.0	26.8
0004	25 42 N	079 23 W	06	02	20	01		01	01	027	0086	1128	20.0	17.7
0005	25 42 N	079 24 W	06	02	21	01		01	01	014	0106	0707	20.0	28.3
0006	25 42 N	079 20 W	06	03	10	01		01	01	012	0010	0591	20.0	33.8
0007	25 42 N	079 21 W	06	03	12	01		01	01	012	0135	1061	16.0	15.1
0008	25 42 N	079 22 W	06	03	13	01		01	01	022	0125	1091	31.0	28.4
0009	25 42 N	079 23 W	06	03	14	01		01	01	018	0148	1068	16.0	15.0
0010	25 42 N	079 24 W	06	03	15	01		01	01	010	0028	0502	14.0	27.9
0011	25 42 N	079 20 W	06	04	05	01		01	01	020	0092	1110	39.0	35.2
0012	25 42 N	079 21 W	06	04	07	01		01	01	015	0100	1056	54.0	51.2
0013	25 42 N	079 22 W	06	04	08	01		01	01	021	0155	0987	29.0	29.4
0014	25 42 N	079 23 W	06	04	09	01		01	01	019	0111	0977	27.0	27.6
0015	25 42 N	079 24 W	06	04	10	01		01	01	019	0125	1015	27.0	26.6
0016	25 42 N	079 20 W	06	04	23	01		01	01	015	0125	0925	18.0	19.5
0017	25 42 N	079 21 W	06	05	01	01		01	01	022	0143	1055	27.0	25.6
0018	25 42 N	079 22 W	06	05	02	01		01	01	019	0137	1072	31.0	28.9
0019	25 42 N	079 23 W	06	05	03	01		01	01	013	0052	0642	20.0	31.2
0020	25 42 N	079 24 W	06	05	04	01		01	01	012	0046	0706	27.0	38.3
0021	25 42 N	079 20 W	06	06	18	01		01	01	012	0064	0747	22.0	29.5
0022	25 42 N	079 21 W	06	06	19	01		01	01	012	0055	0601	29.0	48.2
0023	25 42 N	079 22 W	06	06	20	01		01	01	012	0050	0671	27.0	40.2
0024	25 42 N	079 23 W	06	06	21	01		01	01	016	0092	0938	20.0	21.3
0025	25 42 N	079 24 W	06	06	22	01		01	01	011	0075	0645	16.0	24.8
0027	25 42 N	079 20 W	06	07	13	01		01	01	013	0075	0658	35.0	53.2
0028	25 42 N	079 21 W	06	07	15	01		01	01	013	0055	0684	27.0	39.5
0029	25 42 N	079 22 W	06	07	15	01		01	01	013	0055	0661	22.0	33.3
0030	25 42 N	079 23 W	06	07	16	01		01	01	012	0045	0722	25.0	34.6
0031	25 42 N	079 24 W	06	07	17	01		01	01	012	0058	0609	33.0	54.2

1/ BT and Hydrographic casts were made at each station.

APPENDIX 1 (continued)

UNDAUNTED CRUISE 2

February 8 to April 2, 1966

UNDAUNTED CRUISE 2 FEBRUARY - APRIL 1966

STA[1/] NO	LATITUDE	LONGITUDE	MO	DA	HR GMT
1	25 51 N	77 00 W	2	8	12
2	25 51 N	76 11 W	2	8	19
3	25 48 N	75 21 W	2	8	24
4	24 40 N	75 31 W	2	9	11
5	24 13 N	75 53 W	2	9	20
7	24 06 N	74 04 W	2	10	12
9	22 42 N	74 32 W	2	11	12
10	21 59 N	74 20 W	2	12	1
13	17 55 N	66 17 W	2	19	13
14	17 47 N	66 16 W	2	19	14
15	17 45 N	66 22 W	2	19	16
18	17 30 N	67 30 W	2	21	11
19	16 48 N	67 31 W	2	21	16
23	16 00 N	67 30 W	2	22	3
24	15 42 N	66 37 W	2	22	10
25	16 46 N	66 24 W	2	22	19
27	17 52 N	66 41 W	2	23	10
28	17 56 N	67 25 W	2	23	17
29	18 53 N	64 58 W	2	24	17
30	19 32 N	65 02 W	2	24	22
31	20 12 N	63 55 W	2	26	10
32	19 34 N	63 58 W	2	26	15
33	19 53 N	63 56 W	2	26	21
34	18 07 N	63 57 W	2	27	4
35	17 49 N	64 02 W	2	27	10
36	17 09 N	63 55 W	2	27	16
41	17 59 N	62 30 W	3	1	16
43	18 46 N	62 30 W	3	1	24
44	19 03 N	62 31 W	3	2	3
45	19 29 N	62 29 W	3	2	10
46	19 04 N	61 46 W	3	2	17
47	18 21 N	61 35 W	3	2	23
48	17 53 N	61 35 W	3	3	3
49	17 43 N	61 34 W	3	3	10
51	17 30 N	61 40 W	3	4	12
52	17 39 N	61 13 W	3	4	16
53	17 23 N	60 29 W	3	4	23
54	17 11 N	60 41 W	3	5	3
55	16 54 N	60 54 W	3	5	10
56	16 35 N	61 27 W	3	5	16
58	16 25 N	61 54 W	3	6	4
59	16 41 N	62 31 W	3	6	17
60	15 49 N	63 23 W	3	6	23

[1] Station data incomplete

STA NO	LATITUDE	LONGITUDE	MO	DA	HR GMT
61	15 34 N	62 38 W	3	7	20
62	15 35 N	61 49 W	3	8	3
63	15 38 N	61 34 W	3	8	5
64	15 35 N	61 10 W	3	8	10
65	15 34 N	60 27 W	3	8	17
66	15 23 N	59 42 W	3	8	23
68	14 21 N	59 41 W	3	9	10
69	14 22 N	60 27 W	3	9	16
71	14 17 N	61 02 W	3	10	11
72	14 17 N	61 47 W	3	10	17
73	14 24 N	62 41 W	3	10	23
75	13 26 N	62 35 W	3	11	10
76	13 14 N	62 05 W	3	11	13
77	13 17 N	62 24 W	3	11	23
78	13 17 N	61 00 W	3	12	-
79	13 17 N	61 00 W	3	12	10
80	13 19 N	60 19 W	3	12	17
81	13 17 N	59 46 W	3	12	21
83	12 45 N	59 46 W	3	13	10
84	12 43 N	60 35 W	3	13	15
87	12 43 N	60 24 W	3	13	-
88	12 45 N	61 32 W	3	15	10
89	12 45 N	61 17 W	3	15	17
90	12 40 N	63 02 W	3	15	23
91	11 45 N	63 02 W	3	16	10
92	11 43 N	62 16 W	3	16	16
93	11 50 N	62 18 W	3	16	-
94	11 46 N	61 42 W	3	17	-
95	11 48 N	61 26 W	3	17	10
97	11 54 N	59 59 W	3	17	15
98	11 53 N	59 21 W	3	17	22
99	11 29 N	59 12 W	3	18	-
100	10 38 N	58 33 W	3	18	11
101	10 43 N	59 46 W	3	18	13
102	11 50 N	62 21 W	3	26	11
103	12 01 N	62 32 W	3	26	15
104	12 09 N	62 42 W	3	26	17
106	12 10 N	62 12 W	3	26	21
107	12 24 N	62 02 W	3	27	7
108	13 00 N	61 39 W	3	27	10
109	13 09 N	62 02 W	3	27	14
110	13 19 N	62 08 W	3	27	17
114	13 16 N	62 36 W	3	27	23
115	13 47 N	62 16 W	3	28	3
116	13 42 N	62 15 W	3	28	10
118	13 24 N	61 44 W	3	28	17

UNDAUNTED CRUISE 2 FEBRUARY - APRIL 1966

STA NO	LATITUDE	LONGITUDE	MO	DA	HR GMT
121	13 16 N	61 30 W	3	-	-
122	13 24 N	61 21 W	3	28	22
123	13 18 N	60 48 W	3	29	3
124	12 45 N	59 46 W	3	30	13
125	12 48 N	60 03 W	3	30	17
126	13 07 N	60 35 W	3	30	22
127	13 00 N	61 50 W	3	31	12
128	13 15 N	61 51 W	3	31	15
129	13 30 N	61 49 W	3	31	19
130	13 31 N	62 04 W	3	31	23
131	13 15 N	62 05 W	4	1	5
132	12 54 N	61 58 W	4	1	10
134	12 54 N	62 21 W	4	1	18
135	12 14 N	62 19 W	4	1	22
136	13 29 N	62 27 W	4	2	2
137	13 15 N	62 35 W	4	2	7
138	12 55 N	62 42 W	4	2	10
139	13 00 N	62 50 W	4	2	13
141	13 15 N	62 50 W	4	2	18
143	13 30 N	62 48 W	4	2	24

APPENDIX 1 (continued)

UNDAUNTED CRUISE 3

May 4 to 15, 1966

R. V. UNDAUNTED CRUISE 3

Station List - Cruise 1966-3

Station Number	1966 Date	Position N. Lat.	Position W. Long.	Depth in Meters	Temperature Surface	Gear
1	5/4	28°33.1'	75°55'	0-540	-	10' IKMT
2	5/6	32°44'	65°00'	0-750	-	"
BBC-1215	5/6	"	"	surface	-	1 m. nekton net
3	5/7	32°46'	64°52'	0-1036	-	10' IKMT
4	5/7	32°47'	65°22'	0-122	-	2 m. plankton net
5	5/7	32°49'	65°24'	0-215	-	"
6	5/7	32°51'	65°27'	0-344	-	"
7	5/7	32°54'	65°32.2'	0-558	-	"
8	5/7	32°36'	65°00'	surface	-	2 m. plankton net dipnet
9	5/8	32°37'	65°03'	0-784	-	2 m. plankton net
10	5/8	32°38'	65°05'	0-924	-	"
11	5/8	32°39'	65°4.5'	0-1122	-	"
12	5/8	32°38'	65°09'	0-1500	-	"
13	5/8	32°30'	64°44'	surface	-	dipnet
14	5/9	32°33'	64°50'	"	-	1 m. nekton net
BBC-1227	5/9	Bermuda, U.S. Naval Station		"	-	dipnet, hook and line
BBC-1228	5/10	"	"	"	-	" "
16	5/11	32°43.8'	64°50'	0-2200	-	10' IKMT

R. V. UNDAUNTED CRUISE 3

Station Number	1966 Date	Position N. Lat.	Position W. Long.	Depth in Meters	Temperature Surface	Gear
17	5/12	31°32.4'	68°34.8'	0-1302	2 1.2°C	10' IKMT
18	5/12	31°23'	68°47.3'	0-840	-	1 m. nekton net
19	5/12	31°18'	68°54'	0-500	-	"
20	5/12	31°16'	68°53'	0-49	-	"
21	5/12	31°16'	68°55'	0-14	-	"
22	5/12	31°16'	68°55'	0-60	-	"
23	5/13	31°12'	69°00'	surface	-	"
24	5/13	31°12'	69°00'	"	-	"
25	5/13	30°04'	72°50'	"	-	1 m. nekton net, dipnet
26	5/14	28°16'	77°23'	"	24.4°C	1 m. nekton net, dipnet
27	5/15	26°24'	79°50'	"	26.8°C	1 m. nekton net, dipnet
28	5/15	26°24'	79°50'	0-50	-	1 m. nekton net

APPENDIX 1 (continued)

UNDAUNTED CRUISE 4

June 1 to 6, 1966

OBSERVATION CODES

BDM	- Bottom depth, meters
GMT	- Greenwich Mean Time
HYDRO	- Hydrographic
STD	- Salinity, temperature, depth

CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	TYPE OBSERV
UN	4	001	66	06	01	25	20	N	80	02	W	0340	1730	STD
UN	4	001	66	06	01	25	20	N	80	02	W	0340	1730	BAG
UN	4	002	66	06	02	24	53	N	80	22	W	0113	0430	STD
UN	4	003	66	06	02	24	12	N	81	20	W	0800	1305	STD
UN	4	003	66	06	02	24	12	N	81	20	W	0800	1305	HYDRO-STD
UN	4	005	66	06	03	24	16	N	81	52	W	0240	0010	STD
UN	4	005	66	06	03	24	16	N	81	52	W	0240	0010	HYDRO-STD
UN	4	005	66	06	03	24	16	N	81	52	W	0240	0010	CORE
UN	4	006	66	06	03	24	15	N	81	51	W		0340	STD
UN	4	008	66	06	03	24	13	N	81	52	W	0604	0434	STD
UN	4	008	66	06	03	24	13	N	81	52	W	0604	0434	HYDRO-STD
UN	4	008	66	06	03	24	13	N	81	52	W	0604	0434	CORE
UN	4	015	66	06	03	24	12	N	81	48	W		1211	STD
UN	4	015	66	06	03	24	12	N	81	48	W		1211	HYDRO-STD
UN	4	016	66	06	03	24	15	N	81	50	W		1430	STD
UN	4	017	66	06	03	24	12	N	81	49	W		1657	HYDRO
UN	4	018	66	06	03	24	15	N	81	47	W	0274	1915	HYDRO
UN	4	018	66	06	03	24	15	N	81	47	W	0274	1915	CORE
UN	4	020	66	06	04	24	11	N	81	41	W	0631	0010	HYDRO
UN	4	022	66	06	04	24	17	N	81	41	W	0240	0600	HYDRO
UN	4	023	66	06	04	24	06	N	81	41	W	0758	1100	HYDRO
UN	4	024	66	06	04	24	03	N	81	41	W		1315	HYDRO
UN	4	025	66	06	04	24	03	N	81	48	W		1530	HYDRO
UN	4	028	66	06	05	24	12	N	81	44	W	0619	2255	HYDRO
UN	4	029	66	06	06	24	12	N	81	38	W		0026	HYDRO
UN	4	031	66	06	06	24	13	N	81	28	W		0300	FISHING
UN	4	032	66	06	06	24	12	N	81	23	W		0330	FISHING
UN	4	033	66	06	06	24	12	N	81	18	W		0408	FISHING
UN	4	034	66	06	06	24	14	N	81	16	W		0445	FISHING

Appendix 1 (continued)

UNDAUNTED CRUISE 5

July 21 to November 12, 1966

OBSERVATION CODES

BDM	- Bottom depth, meters
GMT	- Greenwich Mean Time
HYDRO	- Hydrographic
ICITA NET	- Plankton net
STD	- Salinity, depth, temperature
Z	- Time zone

CRUISE		STA	YR	MO	DA	LAT		LONG		BDM	GMT	Z	OBSERVATION
UN	5	001	66	07	21	25 37	N	80 00	W		0210	-5	STD
UN	5	002	66	07	21	24 40	N	82 48	W		1103	-5	STD
UN	5	003	66	07	22	27 40	N	82 48	W	0008	2130	-5	BAITING
UN	5	004	66	07	24	24 13	N	82 19	W		0302	-5	STD
UN	5	005	66	07	30	16 50	N	64 34	W	2046	2130	-4	HYDRO-STD
UN	5	006	66	08	05	10 41	N	63 53	W	0002	1600	-4	BAITING
UN	5	007	66	08	06	10 42	N	61 47	W		1700	-4	ICITA NET
UN	5	008	66	08	07	10 00	N	60 01	W	0238	0900	-4	HYDRO-STD
UN	5	008	66	08	07	10 00	N	60 01	W	0238	0900	-4	ICITA NET
UN	5	009	66	08	07	10 06	N	59 55	W		1130	-4	FISHING
UN	5	010	66	08	07	10 33	N	59 34	W	1234	1515	-4	HYDRO-STD
UN	5	010	66	08	07	10 33	N	59 34	W	1234	1515	-4	PRODUCTIVITY
UN	5	010	66	08	07	10 33	N	59 34	W	1234	1515	-4	ICITA NET
UN	5	011	66	08	07	11 01	N	59 07	W	1400	2300	-4	HYDRO-STD
UN	5	011	66	08	07	11 01	N	59 07	W	1400	2300	-4	ICITA NET
UN	5	012	66	08	08	10 35	N	58 49	W	1975	0400	-4	ICITA NET
UN	5	013	66	08	08	09 57	N	58 25	W	2560	0900	-4	HYDRO-STD
UN	5	013	66	08	08	09 57	N	58 25	W	2560	0900	-4	ICITA NET
UN	5	014	66	08	08	09 21	N	58 18	W	2421	1545	-4	HYDRO-STD
UN	5	014	66	08	08	09 21	N	58 18	W	2421	1545	-4	PRODUCTIVITY
UN	5	014	66	08	08	09 21	N	58 18	W	2421	1545	-4	ICITA NET
UN	5	015	66	08	08	08 33	N	58 21	W	1024	2300	-4	HYDRO-STD
UN	5	015	66	08	08	08 33	N	58 21	W	1024	2300	-4	ICITA NET
UN	5	016	66	08	09	08 14	N	57 24	W	1445	0900	-4	HYDRO-STD
UN	5	016	66	08	09	08 14	N	57 24	W	1445	0900	-4	ICITA NET
UN	5	017	66	08	09	08 44	N	56 57	W	2706	1545	-4	HYDRO-STD
UN	5	017	66	08	09	08 44	N	56 57	W	2706	1545	-4	PRODUCTIVITY
UN	5	017	66	08	09	08 44	N	56 57	W	2706	1545	-4	ICITA NET
UN	5	018	66	08	09	09 11	N	56 22	W	3347	2230	-4	HYDRO-STD
UN	5	018	66	08	09	09 11	N	56 22	W	3347	2230	-4	ICITA NET
UN	5	019	66	08	10	08 39	N	56 02	W	3292	0400	-4	ICITA NET
UN	5	019	66	08	10	08 39	N	56 02	W	3292	0400	-4	NIGHT LIGHT
UN	5	020	66	08	10	07 57	N	55 48	W	3345	0900	-4	HYDRO-STD
UN	5	020	66	08	10	07 57	N	55 48	W	3345	0900	-4	ICITA NET
UN	5	021	66	08	10	07 34	N	55 22	W	0600	1405	-4	FISHING
UN	5	022	66	08	10	07 23	N	55 12	W	0722	1515	-4	FISHING
UN	5	023	66	08	10	07 22	N	55 12	W	0128	1545	-4	HYDRO-STD
UN	5	023	66	08	10	07 22	N	55 12	W	0128	1545	-4	PRODUCTIVITY
UN	5	023	66	08	10	07 22	N	55 12	W	0128	1545	-4	ICITA NET
UN	5	024	66	08	10	06 39	N	54 49	W	0036	2128	-4	FISHING
UN	5	025	66	08	10	06 28	N	54 43	W	0031	2230	-4	ICITA NET
UN	5	026	66	08	11	06 24	N	53 54	W	0026	0405	-3	ICITA NET
UN	5	026	66	08	11	06 24	N	53 54	W	0026	0405	-3	NIGHT LIGHT
UN	5	027	66	08	11	06 19	N	53 37	W	0037	0800	-3	ICITA NET
UN	5	028	66	08	11	06 27	N	53 05	W	0051	1225	-3	FISHING
UN	5	029	66	08	11	06 38	N	52 43	W	0075	1505	-3	PRODUCTIVITY
UN	5	029	66	08	11	06 38	N	52 43	W	0075	1505	-3	ICITA NET
UN	5	030	66	08	11	06 34	N	51 54	W	2926	2130	-3	HYDRO-STD
UN	5	030	66	08	11	06 34	N	51 54	W	2926	2130	-3	ICITA NET
UN	5	031	66	08	12	06 34	N	51 31	W	3658	0300	-3	ICITA NET
UN	5	031	66	08	12	06 34	N	51 31	W	3658	0300	-3	NIGHT LIGHT
UN	5	032	66	08	12	06 39	N	50 58	W	3475	0800	-3	HYDRO-STD
UN	5	032	66	08	12	06 39	N	50 58	W	3475	0800	-3	ICITA NET
UN	5	033	66	08	12	06 06	N	51 28	W	1829	1500	-3	HYDRO-STD
UN	5	033	66	08	12	06 06	N	51 28	W	1829	1500	-3	PRODUCTIVITY
UN	5	033	66	08	12	06 06	N	51 28	W	1829	1500	-3	ICITA NET

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CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	OBSERVATION
UN	5	034	66	08	12	05	34	N	51	42	W	0066	2130	-3	ICITA NET
UN	5	035	66	08	13	04	59	N	51	25	W	0060	0300	-3	ICITA NET
UN	5	035	66	08	13	04	59	N	51	25	W	0060	0300	-3	NIGHT LIGHT
UN	5	036	66	08	13	04	37	N	51	00	W	0066	0830	-3	ICITA NET
UN	5	037	66	08	13	04	38	N	50	50	W		1035	-3	FISHING
UN	5	038	66	08	13	04	38	N	50	38	W	0082	1145	-3	FISHING
UN	5	039	66	08	13	04	40	N	50	31	W		1250	-3	FISHING
UN	5	040	66	08	13	04	44	N	50	18	W		1355	-3	FISHING
UN	5	041	66	08	13	04	46	N	50	11	W	0296	1500	-3	HYDRO-STD
UN	5	041	66	08	13	04	46	N	50	11	W	0296	1500	-3	PRODUCTIVITY
UN	5	041	66	08	13	04	46	N	50	11	W	0296	1500	-3	ICITA NET
UN	5	042	66	08	13	04	40	N	49	33	W	2423	2200	-3	HYDRO-STD
UN	5	042	66	08	13	04	40	N	49	33	W	2423	2200	-3	ICITA NET
UN	5	042	66	08	13	04	40	N	49	33	W	2423	2200	-3	NIGHT LIGHT
UN	5	043	66	08	14	04	21	N	49	17	W	0600	0300	-3	ICITA NET
UN	5	044	66	08	14	03	53	N	48	48	W	0600	1000	-3	HYDRO
UN	5	044	66	08	14	03	53	N	48	48	W	0600	1000	-3	STD
UN	5	044	66	08	14	03	53	N	48	48	W	0600	1000	-3	ICITA NET
UN	5	045	66	08	14	03	38	N	48	57	W	0102	1435	-3	SURFACE BUCKET
UN	5	046	66	08	14	03	34	N	49	00	W	0102	1500	-3	PRODUCTIVITY
UN	5	046	66	08	14	03	34	N	49	00	W	0102	1500	-3	ICITA NET
UN	5	047	66	08	14	02	58	N	49	02	W	0076	1630	-3	STD
UN	5	047	66	08	14	02	58	N	49	02	W	0076	1630	-3	ICITA NET
UN	5	048	66	08	14	02	36	N	49	05	W	0028	2200	-3	STD
UN	5	048	66	08	14	02	36	N	49	05	W	0028	2200	-3	ICITA NET
UN	5	049	66	08	15	02	06	N	48	32	W	0049	0300	-3	STD
UN	5	049	66	08	15	02	06	N	48	32	W	0049	0300	-3	ICITA NET
UN	5	050	66	08	15	01	44	N	47	58	W	0055	0800	-3	ICITA NET
UN	5	051	66	08	15	02	27	N	47	10	W	1990	1500	-3	HYDRO-STD
UN	5	051	66	08	15	02	27	N	47	10	W	1990	1500	-3	PRODUCTIVITY
UN	5	051	66	08	15	02	27	N	47	10	W	1990	1500	-3	ICITA NET
UN	5	052	66	08	15	02	45	N	47	05	W	1646	1900	-3	STD
UN	5	052	66	08	15	02	45	N	47	05	W	1646	1900	-3	ICITA NET
UN	5	053	66	08	15	02	48	N	46	46	W	1829	2200	-3	HYDRO-STD
UN	5	053	66	08	15	02	48	N	46	46	W	1829	2200	-3	ICITA NET
UN	5	053	66	08	15	02	48	N	46	46	W	1829	2200	-3	NIGHT LIGHT
UN	5	054	66	08	16	02	33	N	46	36	W	2743	0300	-3	STD
UN	5	054	66	08	16	02	33	N	46	36	W	2743	0300	-3	ICITA NET
UN	5	055	66	08	16	02	08	N	46	17	W	2743	0800	-3	HYDRO-STD
UN	5	055	66	08	16	02	08	N	46	17	W	2743	0800	-3	ICITA NET
UN	5	056	66	08	16	01	47	N	46	20	W		1147	-3	FISHING
UN	5	057	66	08	16	01	23	N	46	15	W	1463	1450	-3	STD
UN	5	057	66	08	16	01	23	N	46	15	W	1463	1450	-3	PRODUCTIVITY
UN	5	057	66	08	16	01	23	N	46	15	W	1463	1450	-3	ICITA NET
UN	5	058	66	08	16	00	56	N	46	19	W	0070	1930	-3	STD
UN	5	058	66	08	16	00	56	N	46	19	W	0070	1930	-3	ICITA NET
UN	5	059	66	08	16	00	30	N	46	14	W	0055	2200	-3	STD
UN	5	059	66	08	16	00	30	N	46	14	W	0055	2200	-3	ICITA NET
UN	5	060	66	08	17	00	11	N	45	41	W	0060	0300	-3	ICITA NET
UN	5	061	66	08	17	00	09	N	44	60	W	0020	0800	-3	ICITA NET
UN	5	062	66	08	17	00	20	N	44	50	W	0062	1145	-3	ICITA NET
UN	5	063	66	08	17	00	22	N	44	49	W		1335	-3	FISHING
UN	5	064	66	08	17	00	43	N	44	44	W	3475	1457	-3	HYDRO-STD
UN	5	064	66	08	17	00	43	N	44	44	W	3475	1457	-3	PRODUCTIVITY
UN	5	064	66	08	17	00	43	N	44	44	W	3475	1457	-3	ICITA NET
UN	5	065	66	08	17	00	55	N	44	42	W	4023	1900	-3	STD

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CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	OBSERVATION
UN	5	065	66	08	17	00	55	N	44	42	W	4023	1900	-3	ICITA NET
UN	5	066	66	08	17	01	05	N	44	22	W	3840	2130	-3	HYDRO-STD
UN	5	066	66	08	17	01	05	N	44	22	W	3840	2130	-3	ICITA NET
UN	5	067	66	08	18	00	42	N	44	01	W	3840	0300	-3	STD
UN	5	067	66	08	18	00	42	N	44	01	W	3840	0300	-3	ICITA NET
UN	5	068	66	08	18	00	22	N	43	43	W	3840	0745	-3	HYDRO-STD
UN	5	068	66	08	18	00	22	N	43	43	W	3840	0745	-3	ICITA NET
UN	5	069	66	08	18	00	03	S	43	49	W	3840	1145	-3	STD
UN	5	069	66	08	18	00	03	S	43	49	W	3840	1145	-3	ICITA NET
UN	5	070	66	08	18	00	30	S	43	51	W	1536	1445	-3	STD
UN	5	070	66	08	18	00	30	S	43	51	W	1536	1445	-3	PRODUCTIVITY
UN	5	070	66	08	18	00	30	S	43	51	W	1536	1445	-3	ICITA NET
UN	5	071	66	08	18	00	58	S	43	51	W	0046	1900	-3	STD
UN	5	071	66	08	18	00	58	S	43	51	W	0046	1900	-3	ICITA NET
UN	5	072	66	08	18	01	15	S	43	48	W	0044	2100	-3	STD
UN	5	072	66	08	18	01	15	S	43	48	W	0044	2100	-3	ICITA NET
UN	5	073	66	08	19	01	41	S	43	10	W	0320	0300	-3	STD
UN	5	073	66	08	19	01	41	S	43	10	W	0320	0300	-3	ICITA NET
UN	5	074	66	08	19	01	49	S	42	57	W	0640	0800	-3	HYDRO-STD
UN	5	074	66	08	19	01	49	S	42	57	W	0640	0800	-3	ICITA NET
UN	5	075	66	08	19	01	42	S	42	38	W		1136	-3	ICITA NET
UN	5	076	66	08	19	01	29	S	42	21	W	2743	1445	-3	HYDRO-STD
UN	5	076	66	08	19	01	29	S	42	21	W	2743	1445	-3	PRODUCTIVITY
UN	5	076	66	08	19	01	29	S	42	21	W	2743	1445	-3	ICITA NET
UN	5	077	66	08	19	01	05	S	42	11	W	3219	1900	-3	STD
UN	5	077	66	08	19	01	05	S	42	11	W	3219	1900	-3	ICITA NET
UN	5	078	66	08	19	00	47	S	42	05	W	4572	2130	-3	HYDRO-STD
UN	5	078	66	08	19	00	47	S	42	05	W	4572	2130	-3	ICITA NET
UN	5	079	66	08	20	00	55	S	41	29	W	3658	0300	-3	STD
UN	5	079	66	08	20	00	55	S	41	29	W	3658	0300	-3	ICITA NET
UN	5	080	66	08	20	00	59	S	40	56	W	3658	0800	-3	HYDRO-STD
UN	5	080	66	08	20	00	59	S	40	56	W	3658	0800	-3	ICITA NET
UN	5	081	66	08	20	01	13	S	40	46	W	3658	1140	-3	ICITA NET
UN	5	082	66	08	20	01	33	S	40	38	W	2926	1445	-3	STD
UN	5	082	66	08	20	01	33	S	40	38	W	2926	1445	-3	PRODUCTIVITY
UN	5	082	66	08	20	01	33	S	40	38	W	2926	1445	-3	ICITA NET
UN	5	083	66	08	20	01	50	S	40	25	W	3350	1900	-3	STD
UN	5	083	66	08	20	01	50	S	40	25	W	3350	1900	-3	ICITA NET
UN	5	084	66	08	20	02	05	S	40	10	W	4023	2200	-3	HYDRO-STD
UN	5	084	66	08	20	02	05	S	40	10	W	4023	2200	-3	ICITA NET
UN	5	085	66	08	21	02	15	S	39	40	W	0700	0300	-3	STD
UN	5	085	66	08	21	02	15	S	39	40	W	0700	0300	-3	ICITA NET
UN	5	086	66	08	21	02	22	S	39	17	W	3658	0800	-3	HYDRO-STD
UN	5	086	66	08	21	02	22	S	39	17	W	3658	0800	-3	ICITA NET
UN	5	087	66	08	21	02	18	S	38	59	W	2237	1200	-3	ICITA NET
UN	5	088	66	08	21	02	16	S	38	40	W	2926	1435	-3	ICITA NET
UN	5	089	66	08	23	03	32	S	38	02	W	0046	0000	-3	STD
UN	5	089	66	08	23	03	32	S	38	02	W	0046	0000	-3	ICITA NET
UN	5	090	66	08	23	03	25	S	37	48	W	1170	0305	-3	HYDRO-STD
UN	5	090	66	08	23	03	25	S	37	48	W	1170	0305	-3	ICITA NET
UN	5	091	66	08	23	03	16	S	37	28	W	1481	0710	-3	STD
UN	5	091	66	08	23	03	16	S	37	28	W	1481	0710	-3	ICITA NET
UN	5	092	66	08	23	03	10	S	37	08	W	3036	1025	-3	ICITA NET
UN	5	093	66	08	23	03	12	S	36	45	W	3034	1400	-3	PRODUCTIVITY
UN	5	093	66	08	23	03	12	S	36	45	W	3034	1400	-3	ICITA NET
UN	5	094	66	08	23	03	15	S	36	29	W	2442	1700	-3	ICITA NET

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CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	OBSERVATION
UN	5	095	66	08	23	03	17	S	36	08	W	2948	2000	-3	ICITA NET
UN	5	096	66	08	24	03	51	S	33	49	W	0012	1330	-2	PRODUCTIVITY
UN	5	096	66	08	24	03	51	S	33	49	W	0012	1330	-2	ICITA NET
UN	5	096	66	08	24	03	51	S	33	49	W	0012	1330	-2	FISHING
UN	5	096	66	08	24	03	51	S	33	49	W	0012	1330	-2	NIGHT LIGHT
UN	5	097	66	08	24	03	51	S	33	49	W		1530	-2	FISHING
UN	5	097	66	08	24	03	51	S	33	49	W		1530	-2	REEF COLLECT
UN	5	097	66	08	24	03	51	S	33	49	W		1530	-2	BIRD PHOTO
UN	5	098	66	08	25	03	51	S	33	49	W	0012	0100	-2	ICITA NET
UN	5	099	66	08	25	03	51	S	33	49	W		1100	-2	PRODUCTIVITY
UN	5	099	66	08	25	03	51	S	33	49	W		1100	-2	FISHING
UN	5	099	66	08	25	03	51	S	33	49	W		1100	-2	BIRD PHOTO
UN	5	099	66	08	25	03	51	S	33	49	W		1100	-2	LAGOON SED
UN	5	100	66	08	26			S			W		0940	-2	FISHING
UN	5	101	66	08	27	04	03	S	32	36	W	3653	2000	-2	STD
UN	5	101	66	08	27	04	03	S	32	36	W	3653	2000	-2	ICITA NET
UN	5	102	66	08	28	04	41	S	33	07	W	4497	0200	-2	STD
UN	5	102	66	08	28	04	41	S	33	07	W	4497	0200	-2	ICITA NET
UN	5	103	66	08	28	05	47	S	33	41	W	4200	0800	-2	ICITA NET
UN	5	104	66	08	28	06	39	S	34	09	W	2853	1400	-2	PRODUCTIVITY
UN	5	104	66	08	28	06	39	S	34	09	W	2853	1400	-2	ICITA NET
UN	5	105	66	08	28	07	28	S	34	20	W	1646	2000	-2	STD
UN	5	105	66	08	28	07	28	S	34	20	W	1646	2000	-2	ICITA NET
UN	5	106	66	09	02	06	54	S	34	35	W	0520	1415	-3	STD
UN	5	106	66	09	02	06	54	S	34	35	W	0520	1415	-3	PRODUCTIVITY
UN	5	106	66	09	02	06	54	S	34	35	W	0520	1415	-3	ICITA NET
UN	5	107	66	09	02	05	55	S	34	25	W	2909	2100	-3	ICITA NET
UN	5	108	66	09	03	05	03	S	34	17	W	4023	0300	-3	ICITA NET
UN	5	109	66	09	03	04	16	S	34	10	W	3658	0800	-2	STD
UN	5	109	66	09	03	04	16	S	34	10	W	3658	0800	-2	ICITA NET
UN	5	110	66	09	03			S			W		1200	-2	PRODUCTIVITY
UN	5	111	66	09	03			S			W		1243	-2	STD
UN	5	111	66	09	03			S			W		1243	-2	ICITA NET
UN	5	112	66	09	04	03	48	S	33	52	W	0600	0807	-2	HYDRO-STD
UN	5	112	66	09	04	03	48	S	33	52	W	0600	0807	-2	ICITA NET
UN	5	113	66	09	04	04	02	S	34	18	W	3658	1200	-2	STD
UN	5	113	66	09	04	04	02	S	34	18	W	3658	1200	-2	ICITA NET
UN	5	114	66	09	04	04	11	S	34	33	W	3658	1400	-2	HYDRO-STD
UN	5	114	66	09	04	04	11	S	34	33	W	3658	1400	-2	PRODUCTIVITY
UN	5	114	66	09	04	04	11	S	34	33	W	3658	1400	-2	ICITA NET
UN	5	115	66	09	04	04	23	S	34	56	W	3219	1800	-2	ICITA NET
UN	5	116	66	09	04	04	40	S	35	28	W	0700	2100	-2	HYDRO-STD
UN	5	116	66	09	04	04	40	S	35	28	W	0700	2100	-2	ICITA NET
UN	5	117	66	09	05	05	01	S	35	04	W	0256	0200	-2	ICITA NET
UN	5	118	66	09	05	05	19	S	35	02	W	0060	0702	-2	STD
UN	5	118	66	09	05	05	19	S	35	02	W	0060	0702	-2	ICITA NET
UN	5	119	66	09	05	05	15	S	34	37	W	3000	1100	-2	STD
UN	5	119	66	09	05	05	15	S	34	37	W	3000	1100	-2	ICITA NET
UN	5	120	66	09	05	05	11	S	34	14	W	3931	1400	-2	HYDRO-STD
UN	5	120	66	09	05	05	11	S	34	14	W	3931	1400	-2	PRODUCTIVITY
UN	5	120	66	09	05	05	11	S	34	14	W	3931	1400	-2	ICITA NET
UN	5	121	66	09	05	05	10	S	33	53	W	4158	1800	-2	STD
UN	5	121	66	09	05	05	10	S	33	53	W	4158	1800	-2	ICITA NET
UN	5	122	66	09	05	05	08	S	33	30	W	4317	2100	-2	HYDRO-STD
UN	5	122	66	09	05	05	08	S	33	30	W	4317	2100	-2	ICITA NET
UN	5	122	66	09	05	05	08	S	33	30	W	4317	2100	-2	NIGHT LIGHT

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CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	OBSERVATION
UN	5	123	66	09	06	05	30	S	33	29	W	4023	0200	-2	STD
UN	5	123	66	09	06	05	30	S	33	29	W	4023	0200	-2	ICITA NET
UN	5	124	66	09	06	05	58	S	33	27	W	4572	0700	-2	HYDRO-STD
UN	5	124	66	09	06	05	58	S	33	27	W	4572	0700	-2	ICITA NET
UN	5	125	66	09	06	05	59	S	33	57	W	4206	1115	-2	STD
UN	5	125	66	09	06	05	59	S	33	57	W	4206	1115	-2	ICITA NET
UN	5	126	66	09	06	05	60	S	34	22	W	3292	1402	-2	HYDRO-STD
UN	5	126	66	09	06	05	60	S	34	22	W	3292	1402	-2	PRODUCTIVITY
UN	5	126	66	09	06	05	60	S	34	22	W	3292	1402	-2	ICITA NET
UN	5	127	66	09	06	06	02	S	34	38	W	1550	1800	-2	ICITA NET
UN	5	128	66	09	06	06	04	S	34	55	W	0037	2200	-2	ICITA NET
UN	5	129	66	09	07	06	39	S	34	45	W	0027	0200	-2	ICITA NET
UN	5	130	66	09	07	07	00	S	34	33	W	0080	0700	-2	STD
UN	5	130	66	09	07	07	00	S	34	33	W	0080	0700	-2	ICITA NET
UN	5	131	66	09	07	06	60	S	34	08	W	3586	1110	-2	STD
UN	5	131	66	09	07	06	60	S	34	08	W	3586	1110	-2	ICITA NET
UN	5	132	66	09	07	06	59	S	33	46	W	4226	1400	-2	HYDRO-STD
UN	5	132	66	09	07	06	59	S	33	46	W	4226	1400	-2	PRODUCTIVITY
UN	5	132	66	09	07	06	59	S	33	46	W	4226	1400	-2	ICITA NET
UN	5	133	66	09	07	07	01	S	33	30	W	4481	1800	-2	STD
UN	5	133	66	09	07	07	01	S	33	30	W	4481	1800	-2	ICITA NET
UN	5	134	66	09	07	07	02	S	33	03	W	4728	2100	-2	HYDRO-STD
UN	5	134	66	09	07	07	02	S	33	03	W	4728	2100	-2	ICITA NET
UN	5	135	66	09	08	07	38	S	33	02	W	4389	0200	-2	ICITA NET
UN	5	136	66	09	08	08	07	S	33	01	W	4206	0606	-2	HYDRO-STD
UN	5	136	66	09	08	08	07	S	33	01	W	4206	0606	-2	ICITA NET
UN	5	137	66	09	08	08	06	S	33	30	W	4389	1115	-2	STD
UN	5	137	66	09	08	08	06	S	33	30	W	4389	1115	-2	ICITA NET
UN	5	138	66	09	08	08	05	S	33	57	W	1554	1400	-2	HYDRO-STD
UN	5	138	66	09	08	08	05	S	33	57	W	1554	1400	-2	PRODUCTIVITY
UN	5	138	66	09	08	08	05	S	33	57	W	1554	1400	-2	ICITA NET
UN	5	139	66	09	08	08	02	S	34	19	W	0914	1800	-2	ICITA NET
UN	5	140	66	09	08	08	00	S	34	38	W	0396	2000	-2	ICITA NET
UN	5	141	66	09	09	08	35	S	34	52	W	0035	0200	-2	ICITA NET
UN	5	142	66	09	09	09	01	S	34	53	W	0046	0500	-2	ICITA NET
UN	5	143	66	09	09	09	17	S	34	29	W	2560	1100	-2	STD
UN	5	143	66	09	09	09	17	S	34	29	W	2560	1100	-2	ICITA NET
UN	5	144	66	09	09	09	23	S	34	11	W	3292	1400	-2	HYDRO-STD
UN	5	144	66	09	09	09	23	S	34	11	W	3292	1400	-2	PRODUCTIVITY
UN	5	144	66	09	09	09	23	S	34	11	W	3292	1400	-2	ICITA NET
UN	5	145	66	09	09	09	26	S	33	49	W	4389	1800	-2	STD
UN	5	145	66	09	09	09	26	S	33	49	W	4389	1800	-2	ICITA NET
UN	5	146	66	09	09	09	30	S	33	27	W	4572	2100	-2	HYDRO-STD
UN	5	146	66	09	09	09	30	S	33	27	W	4572	2100	-2	ICITA NET
UN	5	147	66	09	10	10	01	S	33	51	W	4535	0200	-2	STD
UN	5	147	66	09	10	10	01	S	33	51	W	4535	0200	-2	ICITA NET
UN	5	148	66	09	10	10	35	S	34	17	W	4350	0620	-2	HYDRO-STD
UN	5	148	66	09	10	10	35	S	34	17	W	4350	0620	-2	ICITA NET
UN	5	149	66	09	10	10	26	S	34	43	W	4100	1100	-2	STD
UN	5	149	66	09	10	10	26	S	34	43	W	4100	1100	-2	ICITA NET
UN	5	150	66	09	10	10	18	S	35	07	W	3475	1400	-2	HYDRO-STD
UN	5	150	66	09	10	10	18	S	35	07	W	3475	1400	-2	PRODUCTIVITY
UN	5	150	66	09	10	10	18	S	35	07	W	3475	1400	-2	ICITA NET
UN	5	151	66	09	10	10	09	S	35	26	W	2286	1800	-2	ICITA NET
UN	5	152	66	09	10	10	01	S	35	42	W	0457	2000	-2	HYDRO-STD
UN	5	152	66	09	10	10	01	S	35	42	W	0457	2000	-2	ICITA NET

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CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	OBSERVATION
UN	5	153	66	09	10	10	37	S	36	14	W		0200	-2	ICITA NET
UN	5	153	66	09	10	10	37	S	36	14	W		0200	-2	NIGHT LIGHT
UN	5	154	66	09	11	10	39	S	36	33	W	VAR	1030	-2	STD
UN	5	154	66	09	11	10	39	S	36	33	W	VAR	1030	-2	PRODUCTIVITY
UN	5	154	66	09	11	10	39	S	36	33	W	VAR	1030	-2	TRAWL
UN	5	155	66	09	12	11	00	S	36	54	W		0200	-2	ICITA NET
UN	5	156	66	09	12	11	00	S	36	43	W	0640	0700	-2	STD
UN	5	156	66	09	12	11	00	S	36	43	W	0640	0700	-2	ICITA NET
UN	5	157	66	09	12	11	08	S	36	27	W	2195	1100	-2	STD
UN	5	157	66	09	12	11	08	S	36	27	W	2195	1100	-2	ICITA NET
UN	5	158	66	09	12	11	18	S	36	03	W	3150	1400	-2	HYDRO-STD
UN	5	158	66	09	12	11	18	S	36	03	W	3150	1400	-2	PRODUCTIVITY
UN	5	158	66	09	12	11	18	S	36	03	W	3150	1400	-2	ICITA NET
UN	5	159	66	09	12	11	25	S	35	35	W	3950	1800	-2	ICITA NET
UN	5	160	66	09	12	11	29	S	35	21	W	3840	2000	-2	HYDRO-STD
UN	5	160	66	09	12	11	29	S	35	21	W	3840	2000	-2	ICITA NET
UN	5	161	66	09	13	12	26	S	35	58	W	4096	0700	-2	HYDRO-STD
UN	5	162	66	09	13	12	19	S	36	23	W	3840	1100	-2	ICITA NET
UN	5	163	66	09	13	12	14	S	36	40	W	3658	1400	-2	HYDRO-STD
UN	5	163	66	09	13	12	14	S	36	40	W	3658	1400	-2	PRODUCTIVITY
UN	5	163	66	09	13	12	14	S	36	40	W	3658	1400	-2	ICITA NET
UN	5	164	66	09	13	12	07	S	37	03	W	2633	2200	-2	STD
UN	5	164	66	09	13	12	07	S	37	03	W	2633	2200	-2	ICITA NET
UN	5	165	66	09	14	12	01	S	37	21	W	1244	0000	-2	STD
UN	5	165	66	09	14	12	01	S	37	21	W	1244	0000	-2	ICITA NET
UN	5	166	66	09	14	12	26	S	37	39	W	1573	0400	-2	STD
UN	5	166	66	09	14	12	26	S	37	39	W	1573	0400	-2	ICITA NET
UN	5	167	66	09	14	13	00	S	38	14	W	0065	0950	-2	STD
UN	5	167	66	09	14	13	00	S	38	14	W	0065	0950	-2	ICITA NET
UN	5	168	66	09	14	12	57	S	37	58	W	1463	1200	-2	STD
UN	5	168	66	09	14	12	57	S	37	58	W	1463	1200	-2	ICITA NET
UN	5	169	66	09	14	12	59	S	37	42	W	2395	1415	-2	STD
UN	5	169	66	09	14	12	59	S	37	42	W	2395	1415	-2	PRODUCTIVITY
UN	5	169	66	09	14	12	59	S	37	42	W	2395	1415	-2	ICITA NET
UN	5	170	66	09	14	13	00	S	37	24	W	3475	1700	-2	HYDRO-STD
UN	5	170	66	09	14	13	00	S	37	24	W	3475	1700	-2	ICITA NET
UN	5	171	66	09	14	13	02	S	37	04	W	3768	2000	-2	ICITA NET
UN	5	172	66	09	14	13	00	S	36	44	W	4080	2240	-2	HYDRO-STD
UN	5	172	66	09	14	13	00	S	36	44	W	4080	2240	-2	ICITA NET
UN	5	173	66	09	15	13	23	S	36	57	W	4023	0200	-2	ICITA NET
UN	5	174	66	09	15	14	07	S	37	22	W	3904	0700	-2	HYDRO-STD
UN	5	174	66	09	15	14	07	S	37	22	W	3904	0700	-2	ICITA NET
UN	5	175	66	09	15	14	05	S	37	50	W	3292	1100	-2	STD
UN	5	175	66	09	15	14	05	S	37	50	W	3292	1100	-2	ICITA NET
UN	5	176	66	09	15	14	01	S	38	18	W	2560	1400	-2	HYDRO
UN	5	176	66	09	15	14	01	S	38	18	W	2560	1400	-2	PRODUCTIVITY
UN	5	176	66	09	15	14	01	S	38	18	W	2560	1400	-2	ICITA NET
UN	5	177	66	09	15	14	02	S	38	33	W	2012	1900	-2	ICITA NET
UN	5	179	66	09	15	14	02	S	38	52	W		2100	-2	ICITA NET
UN	5	179	66	09	16	14	29	S	38	51	W	0686	0200	-2	ICITA NET
UN	5	179	66	09	16	14	29	S	38	51	W	0686	0200	-2	NIGHT LIGHT
UN	5	180	66	09	16	15	00	S	38	51	W	0046	0700	-2	ICITA NET
UN	5	181	66	09	16	15	00	S	38	38	W	1829	0950	-2	FISHING
UN	5	182	66	09	16	15	00	S	38	26	W	2085	1100	-2	ICITA NET
UN	5	183	66	09	16	15	00	S	38	08	W	3292	1315	-2	FISHING
UN	5	184	66	09	16	15	00	S	38	01	W	3292	1400	-2	HYDRO

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CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT Z	OBSERVATION
UN	5	184	66	09	16	15	00	S	38	01	W	3292	1400-2	PRODUCTIVITY
UN	5	184	66	09	16	15	00	S	38	01	W	3292	1400-2	ICITA NET
UN	5	185	66	09	16	14	59	S	37	40	W	3840	1700-2	ICITA NET
UN	5	186	66	09	16	14	58	S	37	12	W	4096	2000-2	HYDRO
UN	5	186	66	09	16	14	58	S	37	12	W	4096	2000-2	ICITA NET
UN	5	187	66	09	17	15	26	S	37	13	W	4060	0200-2	ICITA NET
UN	5	188	66	09	17	16	00	S	37	14	W	4243	0525-2	HYDRO
UN	5	188	66	09	17	16	00	S	37	14	W	4243	0525-2	ICITA NET
UN	5	189	66	09	22	23	03	S	43	00	W	0037	1745-3	ICITA NET
UN	5	190	66	10	01	23	14	S	40	07	W	2340	1100-3	HYDRO-STD
UN	5	190	66	10	01	23	14	S	40	07	W	2340	1100-3	ICITA NET
UN	5	191	66	10	01	23	01	S	40	16	W	2025	1430-3	STD
UN	5	191	66	10	01	23	01	S	40	16	W	2025	1430-3	PRODUCTIVITY
UN	5	191	66	10	01	23	01	S	40	16	W	2025	1430-3	ICITA NET
UN	5	192	66	10	01	22	35	S	40	35	W	0090	2300-3	STD
UN	5	192	66	10	01	22	35	S	40	35	W	0090	2300-3	ICITA NET
UN	5	193	66	10	02	21	20	S	40	13	W	0870	0900-3	STD
UN	5	193	66	10	02	21	20	S	40	13	W	0870	0900-3	ICITA NET
UN	5	194	66	10	02	21	32	S	39	55	W	0274	1302-3	STD
UN	5	194	66	10	02	21	32	S	39	55	W	0274	1302-3	ICITA NET
UN	5	195	66	10	02	21	37	S	39	48	W	0113	1425-3	HYDRO-STD
UN	5	195	66	10	02	21	37	S	39	48	W	0113	1425-3	PRODUCTIVITY
UN	5	195	66	10	02	21	37	S	39	48	W	0113	1425-3	ICITA NET
UN	5	196	66	10	02	21	53	S	39	22	W	2200	1827-3	ICITA NET
UN	5	197	66	10	02	22	03	S	39	04	W	2290	2100-3	HYDRO
UN	5	197	66	10	02	22	03	S	39	04	W	2290	2100-3	STD
UN	5	197	66	10	02	22	03	S	39	04	W	2290	2100-3	ICITA NET
UN	5	198	66	10	03	21	23	S	38	49	W	2430	0310-3	ICITA NET
UN	5	199	66	10	03	20	40	S	38	40	W	2380	0900-3	HYDRO-STD
UN	5	199	66	10	03	20	40	S	38	40	W	2380	0900-3	ICITA NET
UN	5	200	66	10	03	20	30	S	38	57	W	2090	1230-3	STD
UN	5	200	66	10	03	20	30	S	38	57	W	2090	1230-3	ICITA NET
UN	5	201	66	10	03	20	20	S	39	13	W	2160	1420-3	HYDRO-STD
UN	5	201	66	10	03	20	20	S	39	13	W	2160	1420-3	PRODUCTIVITY
UN	5	201	66	10	03	20	20	S	39	13	W	2160	1420-3	ICITA NET
UN	5	202	66	10	03	20	13	S	39	36	W		1855-3	STD
UN	5	202	66	10	03	20	13	S	39	36	W		1855-3	ICITA NET
UN	5	203	66	10	03	20	04	S	39	59	W	0038	2200-3	STD
UN	5	203	66	10	03	20	04	S	39	59	W	0038	2200-3	ICITA NET
UN	5	204	66	10	04	19	38	S	39	27	W	0064	0300-3	STD
UN	5	204	66	10	04	19	38	S	39	27	W	0064	0300-3	ICITA NET
UN	5	205	66	10	04	19	11	S	38	54	W	0056	0800-3	STD
UN	5	205	66	10	04	19	11	S	38	54	W	0056	0800-3	ICITA NET
UN	5	206	66	10	04	19	07	S	38	27	W	0040	1130-3	ICITA NET
UN	5	207	66	10	04	19	03	S	38	00	W	0035	1420-3	STD
UN	5	207	66	10	04	19	03	S	38	00	W	0035	1420-3	PRODUCTIVITY
UN	5	207	66	10	04	19	03	S	38	00	W	0035	1420-3	ICITA NET
UN	5	208	66	10	04	19	02	S	37	36	W	0072	1720-3	STD
UN	5	208	66	10	04	19	02	S	37	36	W	0072	1720-3	ICITA NET
UN	5	209	66	10	04	19	01	S	37	13	W	3240	2000-2	HYDRO
UN	5	209	66	10	04	19	01	S	37	13	W	3240	2000-2	STD
UN	5	209	66	10	04	19	01	S	37	13	W	3240	2000-2	ICITA NET
UN	5	210	66	10	05	18	31	S	37	14	W	3200	0100-2	STD
UN	5	210	66	10	05	18	31	S	37	14	W	3200	0100-2	ICITA NET
UN	5	210	66	10	05	18	31	S	37	14	W	3200	0100-2	NIGHT LIGHT
UN	5	211	66	10	05	18	03	S	37	17	W	1080	0805-3	STD

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CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	OBSERVATION
UN	5	211	66	10	05	18	03	S	37	17	W	1080	0805	-3	HYDRO-STD
UN	5	211	66	10	05	18	03	S	37	17	W	1080	0805	-3	ICITA NET
UN	5	212	66	10	05	18	02	S	37	01	W	3600	1130	-3	STD
UN	5	212	66	10	05	18	02	S	37	01	W	3600	1130	-3	ICITA NET
UN	5	213	66	10	05	18	01	S	36	37	W	3600	1410	-3	STD
UN	5	213	66	10	05	18	01	S	36	37	W	3600	1410	-3	HYDRO-STD
UN	5	213	66	10	05	18	01	S	36	37	W	3600	1410	-3	PRODUCTIVITY
UN	5	213	66	10	05	18	01	S	36	37	W	3600	1410	-3	ICITA NET
UN	5	214	66	10	05	18	01	S	36	18	W	2800	1800	-2	STD
UN	5	214	66	10	05	18	01	S	36	18	W	2800	1800	-2	ICITA NET
UN	5	215	66	10	05	18	05	S	35	57	W	1100	2101	-2	STD
UN	5	215	66	10	05	18	05	S	35	57	W	1100	2101	-2	HYDRO-STD
UN	5	215	66	10	05	18	05	S	35	57	W	1100	2101	-2	ICITA NET
UN	5	215	66	10	05	18	05	S	35	57	W	1100	2101	-2	NIGHT LIGHT
UN	5	216	66	10	06	17	46	S	36	19	W	3700	0200	-2	STD
UN	5	216	66	10	06	17	46	S	36	19	W	3700	0200	-2	ICITA NET
UN	5	217	66	10	06	17	04	S	37	06	W	0870	0800	-2	STD
UN	5	217	66	10	06	17	04	S	37	06	W	0870	0800	-2	HYDRO-STD
UN	5	217	66	10	06	17	04	S	37	06	W	0870	0800	-2	ICITA NET
UN	5	218	66	10	06	17	04	S	37	25	W	1470	1125	-3	STD
UN	5	218	66	10	06	17	04	S	37	25	W	1470	1125	-3	ICITA NET
UN	5	219	66	10	06	17	05	S	37	51	W	1930	1410	-3	STD
UN	5	219	66	10	06	17	05	S	37	51	W	1930	1410	-3	HYDRO-STD
UN	5	219	66	10	06	17	05	S	37	51	W	1930	1410	-3	PRODUCTIVITY
UN	5	219	66	10	06	17	05	S	37	51	W	1930	1410	-3	ICITA NET
UN	5	220	66	10	06	17	06	S	38	14	W	2380	1800	-2	STD
UN	5	220	66	10	06	17	06	S	38	14	W	2380	1800	-2	ICITA NET
UN	5	221	66	10	06	17	08	S	38	39	W	0050	2100	-2	HYDRO
UN	5	221	66	10	06	17	08	S	38	39	W	0050	2100	-2	STD
UN	5	221	66	10	06	17	08	S	38	39	W	0050	2100	-2	ICITA NET
UN	5	222	66	10	07	16	27	S	38	41	W	0046	0200	-2	STD
UN	5	222	66	10	07	16	27	S	38	41	W	0046	0200	-2	ICITA NET
UN	5	223	66	10	07	15	53	S	38	29	W	0915	0800	-2	HYDRO
UN	5	223	66	10	07	15	53	S	38	29	W	0915	0800	-2	STD
UN	5	223	66	10	07	15	53	S	38	29	W	0915	0800	-2	ICITA NET
UN	5	224	66	10	07	15	53	S	38	13	W	0464	1130	-2	STD
UN	5	224	66	10	07	15	53	S	38	13	W	0464	1130	-2	ICITA NET
UN	5	225	66	10	07	15	54	S	37	50	W	1650	1410	-2	HYDRO
UN	5	225	66	10	07	15	54	S	37	50	W	1650	1410	-2	STD
UN	5	225	66	10	07	15	54	S	37	50	W	1650	1410	-2	PRODUCTIVITY
UN	5	225	66	10	07	15	54	S	37	50	W	1650	1410	-2	ICITA NET
UN	5	226	66	10	07	15	54	S	37	32	W	3940	1800	-2	STD
UN	5	226	66	10	07	15	54	S	37	32	W	3940	1800	-2	ICITA NET
UN	5	227	66	10	07	15	55	S	37	13	W	4000	2030	-2	STD
UN	5	227	66	10	07	15	55	S	37	13	W	4000	2030	-2	HYDRO-STD
UN	5	227	66	10	07	15	55	S	37	13	W	4000	2030	-2	ICITA NET
UN	5	227	66	10	07	15	55	S	37	13	W	4000	2030	-2	NIGHT LIGHT
UN	5	228	66	10	08	15	28	S	37	20	W	4000	0200	-2	STD
UN	5	228	66	10	08	15	28	S	37	20	W	4000	0200	-2	ICITA NET
UN	5	228	66	10	08	15	28	S	37	20	W	4000	0200	-2	NIGHT LIGHT
UN	5	229	66	10	08	15	00	S	37	28	W	4000	0800	-2	STD
UN	5	229	66	10	08	15	00	S	37	28	W	4000	0800	-2	HYDRO-STD
UN	5	229	66	10	08	15	00	S	37	28	W	4000	0800	-2	ICITA NET
UN	5	230	66	10	08	15	00	S	37	49	W	3660	1135	-2	STD
UN	5	230	66	10	08	15	00	S	37	49	W	3660	1135	-2	ICITA NET
UN	5	231	66	10	08	15	01	S	38	10	W	2910	1410	-2	STD

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CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	OBSERVATION
UN	5	231	66	10	08	15	01	S	38	10	W	2910	1410	-2	HYDRO-STD
UN	5	231	66	10	08	15	01	S	38	10	W	2910	1410	-2	PRODUCTIVITY
UN	5	231	66	10	08	15	01	S	38	10	W	2910	1410	-2	ICITA NET
UN	5	232	66	10	08	15	03	S	38	34	W	1980	1740	-2	STD
UN	5	232	66	10	08	15	03	S	38	34	W	1980	1740	-2	ICITA NET
UN	5	233	66	10	08	15	04	S	38	46	W	0180	2000	-2	STD
UN	5	233	66	10	08	15	04	S	38	46	W	0180	2000	-2	ICITA NET
UN	5	234	66	10	09	14	11	S	37	25	W	3840	0600	-2	STD
UN	5	234	66	10	09	14	11	S	37	25	W	3840	0600	-2	HYDRO-STD
UN	5	234	66	10	09	14	11	S	37	25	W	3840	0600	-2	ICITA NET
UN	5	235	66	10	10	11	19	S	35	55	W	3550	0320	-2	STD
UN	5	235	66	10	10	11	19	S	35	55	W	3550	0320	-2	HYDRO-STD
UN	5	235	66	10	10	11	19	S	35	55	W	3550	0320	-2	ICITA NET
UN	5	236	66	10	11	08	58	S	33	20	W	3940	0210	-2	STD
UN	5	236	66	10	11	08	58	S	33	20	W	3940	0210	-2	ICITA NET
UN	5	237	66	10	11	08	53	S	33	35	W	3560	0415	-2	HYDRO
UN	5	237	66	10	11	08	53	S	33	35	W	3560	0415	-2	STD
UN	5	237	66	10	11	08	53	S	33	35	W	3560	0415	-2	ICITA NET
UN	5	238	66	10	11	08	49	S	33	50	W	2730	0702	-2	STD
UN	5	238	66	10	11	08	49	S	33	50	W	2730	0702	-2	ICITA NET
UN	5	239	66	10	11	08	44	S	34	02	W	2200	0905	-2	STD
UN	5	239	66	10	11	08	44	S	34	02	W	2200	0905	-2	HYDRO-STD
UN	5	239	66	10	11	08	44	S	34	02	W	2200	0905	-2	ICITA NET
UN	5	240	66	10	11	08	38	S	34	20	W	1830	1200	-2	STD
UN	5	240	66	10	11	08	38	S	34	20	W	1830	1200	-2	ICITA NET
UN	5	241	66	10	11	08	33	S	34	31	W	1180	1350	-2	STD
UN	5	241	66	10	11	08	33	S	34	31	W	1180	1350	-2	HYDRO-STD
UN	5	241	66	10	11	08	33	S	34	31	W	1180	1350	-2	PRODUCTIVITY
UN	5	241	66	10	11	08	33	S	34	31	W	1180	1350	-2	ICITA NET
UN	5	242	66	10	11	08	30	S	34	47	W	0046	1650	-2	STD
UN	5	242	66	10	11	08	30	S	34	47	W	0046	1650	-2	ICITA NET
UN	5	243	66	10	11	08	11	S	34	39	W	0046	1822	-2	STD
UN	5	243	66	10	11	08	11	S	34	39	W	0046	1822	-2	ICITA NET
UN	5	244	66	10	11	07	50	S	34	34	W	0050	2138	-2	STD
UN	5	244	66	10	11	07	50	S	34	34	W	0050	2138	-2	ICITA NET
UN	5	245	66	10	12	07	30	S	34	25	W	0850	0011	-2	STD
UN	5	245	66	10	12	07	30	S	34	25	W	0850	0011	-2	ICITA NET
UN	5	246	66	10	12	07	31	S	34	11	W	2840	0215	-2	STD
UN	5	246	66	10	12	07	31	S	34	11	W	2840	0215	-2	HYDRO-STD
UN	5	246	66	10	12	07	31	S	34	11	W	2840	0215	-2	ICITA NET
UN	5	247	66	10	12	07	32	S	33	55	W	3740	0520	-2	STD
UN	5	247	66	10	12	07	32	S	33	55	W	3740	0520	-2	ICITA NET
UN	5	248	66	10	12	07	36	S	33	40	W	4300	0725	-2	STD
UN	5	248	66	10	12	07	36	S	33	40	W	4300	0725	-2	HYDRO-STD
UN	5	248	66	10	12	07	36	S	33	40	W	4300	0725	-2	ICITA NET
UN	5	249	66	10	12	07	36	S	33	25	W	3400	1032	-2	STD
UN	5	249	66	10	12	07	36	S	33	25	W	3400	1032	-2	ICITA NET
UN	5	250	66	10	12	07	36	S	33	10	W	2940	1240	-2	STD
UN	5	250	66	10	12	07	36	S	33	10	W	2940	1240	-2	HYDRO-STD
UN	5	250	66	10	12	07	36	S	33	10	W	2940	1240	-2	PRODUCTIVITY
UN	5	250	66	10	12	07	36	S	33	10	W	2940	1240	-2	ICITA NET
UN	5	251	66	10	12	07	33	S	32	57	W	4650	1547	-2	STD
UN	5	251	66	10	12	07	33	S	32	57	W	4650	1547	-2	ICITA NET
UN	5	252	66	10	12	07	33	S	32	44	W	4850	1745	-2	STD
UN	5	252	66	10	12	07	33	S	32	44	W	4850	1745	-2	HYDRO-STD
UN	5	252	66	10	12	07	33	S	32	44	W	4850	1745	-2	ICITA NET

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CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	OBSERVATION
UN	5	253	66	10	12	07	12	S	32	42	W	4700	2110	-2	STD
UN	5	253	66	10	12	07	12	S	32	42	W	4700	2110	-2	ICITA NET
UN	5	254	66	10	12	06	51	S	32	42	W	4750	2340	-2	STD
UN	5	254	66	10	12	06	51	S	32	42	W	4750	2340	-2	ICITA NET
UN	5	254	66	10	12	06	51	S	32	42	W	4750	2340	-2	NIGHT LIGHT
UN	5	255	66	10	13	06	29	S	32	39	W	4600	0332	-2	STD
UN	5	255	66	10	13	06	29	S	32	39	W	4600	0332	-2	ICITA NET
UN	5	256	66	10	13	06	10	S	32	36	W	4720	0600	-2	HYDRO
UN	5	256	66	10	13	06	10	S	32	36	W	4720	0600	-2	STD
UN	5	256	66	10	13	06	10	S	32	36	W	4720	0600	-2	ICITA NET
UN	5	257	66	10	13	06	13	S	32	52	W	4660	0920	-2	STD
UN	5	257	66	10	13	06	13	S	32	52	W	4660	0920	-2	ICITA NET
UN	5	258	66	10	13	06	16	S	33	10	W	4800	1115	-2	STD
UN	5	258	66	10	13	06	16	S	33	10	W	4800	1115	-2	HYDRO-STD
UN	5	258	66	10	13	06	16	S	33	10	W	4800	1115	-2	ICITA NET
UN	5	259	66	10	13	06	18	S	33	22	W	4200	1315	-2	STD
UN	5	259	66	10	13	06	18	S	33	22	W	4200	1315	-2	PRODUCTIVITY
UN	5	259	66	10	13	06	18	S	33	22	W	4200	1315	-2	ICITA NET
UN	5	260	66	10	13	06	18	S	33	36	W	4400	1522	-2	STD
UN	5	260	66	10	13	06	18	S	33	36	W	4400	1522	-2	HYDRO-STD
UN	5	260	66	10	13	06	18	S	33	36	W	4400	1522	-2	ICITA NET
UN	5	261	66	10	13	06	18	S	33	50	W	3580	1800	-2	STD
UN	5	261	66	10	13	06	18	S	33	50	W	3580	1800	-2	ICITA NET
UN	5	262	66	10	13	06	18	S	34	05	W	3660	1948	-2	STD
UN	5	262	66	10	13	06	18	S	34	05	W	3660	1948	-2	HYDRO-STD
UN	5	262	66	10	13	06	18	S	34	05	W	3660	1948	-2	ICITA NET
UN	5	263	66	10	13	06	23	S	34	20	W	2600	2240	-2	STD
UN	5	263	66	10	13	06	23	S	34	20	W	2600	2240	-2	ICITA NET
UN	5	264	66	10	14	06	28	S	34	34	W	2300	0033	-2	STD
UN	5	264	66	10	14	06	28	S	34	34	W	2300	0033	-2	HYDRO-STD
UN	5	264	66	10	14	06	28	S	34	34	W	2300	0033	-2	ICITA NET
UN	5	265	66	10	14	06	44	S	34	32	W	2070	0400	-2	STD
UN	5	265	66	10	14	06	44	S	34	32	W	2070	0400	-2	ICITA NET
UN	5	266	66	10	14	06	59	S	34	30	W	0920	0610	-2	STD
UN	5	266	66	10	14	06	59	S	34	30	W	0920	0610	-2	HYDRO-STD
UN	5	266	66	10	14	06	59	S	34	30	W	0920	0610	-2	ICITA NET
UN	5	267	66	10	14	06	58	S	34	14	W	3600	0933	-2	STD
UN	5	267	66	10	14	06	58	S	34	14	W	3600	0933	-2	ICITA NET
UN	5	268	66	10	14	06	55	S	34	01	W	3420	1410	-2	STD
UN	5	268	66	10	14	06	55	S	34	01	W	3420	1410	-2	HYDRO-STD
UN	5	268	66	10	14	06	55	S	34	01	W	3420	1410	-2	PRODUCTIVITY
UN	5	268	66	10	14	06	55	S	34	01	W	3420	1410	-2	ICITA NET
UN	5	269	66	10	14	06	54	S	33	48	W	4020	1730	-2	STD
UN	5	269	66	10	14	06	54	S	33	48	W	4020	1730	-2	ICITA NET
UN	5	270	66	10	14	06	51	S	33	28	W	2340	1953	-2	STD
UN	5	270	66	10	14	06	51	S	33	28	W	2340	1953	-2	HYDRO-STD
UN	5	270	66	10	14	06	51	S	33	28	W	2340	1953	-2	ICITA NET
UN	5	271	66	10	14	06	51	S	33	13	W	4550	2320	-2	STD
UN	5	271	66	10	14	06	51	S	33	13	W	4550	2320	-2	ICITA NET
UN	5	272	66	10	15	06	51	S	32	58	W	4550	0150	-2	STD
UN	5	272	66	10	15	06	51	S	32	58	W	4550	0150	-2	HYDRO-STD
UN	5	272	66	10	15	06	51	S	32	58	W	4550	0150	-2	ICITA NET
UN	5	273	66	10	15	06	52	S	32	46	W	4400	0525	-2	STD
UN	5	273	66	10	15	06	52	S	32	46	W	4400	0525	-2	ICITA NET
UN	5	274	66	10	15	06	29	S	32	39	W	4600	0820	-2	STD
UN	5	274	66	10	15	06	29	S	32	39	W	4600	0820	-2	ICITA NET

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CRUISE	STA	YR	MO	DA	LAT	LONG	BMD	GMT	Z	OBSERVATION
UN 5	275	66	10	15	06 10 S	32 38 W	2610	1055	-2	STD
UN 5	275	66	10	15	06 10 S	32 38 W	2610	1055	-2	ICITA NET
UN 5	276	66	10	15	05 55 S	32 40 W	4620	1251	-2	STD
UN 5	276	66	10	15	05 55 S	32 40 W	4620	1251	-2	HYDRO-STD
UN 5	276	66	10	15	05 55 S	32 40 W	4620	1251	-2	PRODUCTIVITY
UN 5	276	66	10	15	05 55 S	32 40 W	4620	1251	-2	ICITA NET
UN 5	277	66	10	15	05 37 S	32 43 W	4660	1720	-2	STD
UN 5	277	66	10	15	05 37 S	32 43 W	4660	1720	-2	HYDRO-STD
UN 5	277	66	10	15	05 37 S	32 43 W	4660	1720	-2	ICITA NET
UN 5	278	66	10	15	05 25 S	32 42 W	4370	2206	-2	STD
UN 5	278	66	10	15	05 25 S	32 42 W	4370	2206	-2	ICITA NET
UN 5	278	66	10	15	05 25 S	32 42 W	4370	2206	-2	NIGHT LIGHT
UN 5	279	66	10	16	05 13 S	32 41 W	4600	0105	-2	STD
UN 5	279	66	10	16	05 13 S	32 41 W	4600	0105	-2	HYDRO-STD
UN 5	279	66	10	16	05 13 S	32 41 W	4600	0105	-2	ICITA NET
UN 5	280	66	10	16	05 17 S	32 53 W	4450	0410	-2	STD
UN 5	280	66	10	16	05 17 S	32 53 W	4450	0410	-2	ICITA NET
UN 5	281	66	10	16	05 22 S	33 07 W	4500	0610	-2	STD
UN 5	281	66	10	16	05 22 S	33 07 W	4500	0610	-2	HYDRO-STD
UN 5	281	66	10	16	05 22 S	33 07 W	4500	0610	-2	ICITA NET
UN 5	282	66	10	16	05 27 S	33 23 W	4500	0930	-2	STD
UN 5	282	66	10	16	05 27 S	33 23 W	4500	0930	-2	ICITA NET
UN 5	283	66	10	16	05 32 S	33 38 W	4500	1128	-2	STD
UN 5	283	66	10	16	05 32 S	33 38 W	4500	1128	-2	HYDRO-STD
UN 5	283	66	10	16	05 32 S	33 38 W	4500	1128	-2	ICITA NET
UN 5	284	66	10	16	05 36 S	33 50 W	4200	1405	-2	STD
UN 5	284	66	10	16	05 36 S	33 50 W	4200	1405	-2	PRODUCTIVITY
UN 5	284	66	10	16	05 36 S	33 50 W	4200	1405	-2	ICITA NET
UN 5	285	66	10	16	05 41 S	34 08 W	4000	1615	-2	STD
UN 5	285	66	10	16	05 41 S	34 08 W	4000	1615	-2	HYDRO-STD
UN 5	285	66	10	16	05 41 S	34 08 W	4000	1615	-2	ICITA NET
UN 5	286	66	10	16	05 45 S	34 21 W	3660	1908	-2	STD
UN 5	286	66	10	16	05 45 S	34 21 W	3660	1908	-2	ICITA NET
UN 5	287	66	10	16	05 46 S	34 36 W	3360	2155	-2	STD
UN 5	287	66	10	16	05 46 S	34 36 W	3360	2155	-2	HYDRO-STD
UN 5	287	66	10	16	05 46 S	34 36 W	3360	2155	-2	ICITA NET
UN 5	288	66	10	16	05 55 S	34 56 W	1550	2345	-2	STD
UN 5	288	66	10	16	05 55 S	34 56 W	1550	2345	-2	ICITA NET
UN 5	289	66	10	17	05 59 S	34 56 W	0457	0115	-2	STD
UN 5	289	66	10	17	05 59 S	34 56 W	0457	0115	-2	ICITA NET
UN 5	289	66	10	17	05 59 S	34 56 W	0457	0115	-2	NIGHT LIGHT
UN 5	290	66	10	17	05 44 S	34 57 W	0700	0420	-2	STD
UN 5	290	66	10	17	05 44 S	34 57 W	0700	0420	-2	ICITA NET
UN 5	291	66	10	17	05 28 S	34 56 W	0700	0618	-2	STD
UN 5	291	66	10	17	05 28 S	34 56 W	0700	0618	-2	ICITA NET
UN 5	292	66	10	17	05 13 S	34 56 W	0640	0810	-2	STD
UN 5	292	66	10	17	05 13 S	34 56 W	0640	0810	-2	ICITA NET
UN 5	293	66	10	17	04 55 S	34 58 W	0750	1022	-2	STD
UN 5	293	66	10	17	04 55 S	34 58 W	0750	1022	-2	HYDRO-STD
UN 5	293	66	10	17	04 55 S	34 58 W	0750	1022	-2	ICITA NET
UN 5	294	66	10	17	04 45 S	34 47 W	3360	1405	-2	STD
UN 5	294	66	10	17	04 45 S	34 47 W	3360	1405	-2	PRODUCTIVITY
UN 5	294	66	10	17	04 45 S	34 47 W	3360	1405	-2	ICITA NET
UN 5	295	66	10	17	04 36 S	34 28 W	3660	1616	-2	STD
UN 5	295	66	10	17	04 36 S	34 28 W	3660	1616	-2	HYDRO-STD
UN 5	295	66	10	17	04 36 S	34 28 W	3660	1616	-2	ICITA NET

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CRUISE		STA	YR	MO	DA	LAT			LONG			BMD	GMT	Z	OBSERVATION
UN	5	296	66	10	17	04	25	S	34	25	W	3900	1921	-2	STD
UN	5	296	66	10	17	04	25	S	34	25	W	3900	1921	-2	ICITA NET
UN	5	297	66	10	17	04	15	S	34	14	W	3660	2118	-2	STD
UN	5	297	66	10	17	04	15	S	34	14	W	3660	2118	-2	HYDRO-STD
UN	5	297	66	10	17	04	15	S	34	14	W	3660	2118	-2	ICITA NET
UN	5	298	66	10	18	04	05	S	34	03	W	2560	0035	-2	STD
UN	5	298	66	10	18	04	05	S	34	03	W	2560	0035	-2	ICITA NET
UN	5	299	66	10	18	03	54	S	33	52	W	2380	0240	-2	STD
UN	5	299	66	10	18	03	54	S	33	52	W	2380	0240	-2	HYDRO-STD
UN	5	299	66	10	18	03	54	S	33	52	W	2380	0240	-2	ICITA NET
UN	5	300	66	10	18	03	59	S	33	38	W	1830	0550	-2	STD
UN	5	300	66	10	18	03	59	S	33	38	W	1830	0550	-2	ICITA NET
UN	5	301	66	10	18	03	58	S	33	23	W	4060	1941	-2	STD
UN	5	301	66	10	18	03	58	S	33	23	W	4060	1941	-2	HYDRO-STD
UN	5	301	66	10	18	03	58	S	33	23	W	4060	1941	-2	ICITA NET
UN	5	302	66	10	18	04	00	S	33	09	W	4060	2218	-2	STD
UN	5	302	66	10	18	04	00	S	33	09	W	4060	2218	-2	ICITA NET
UN	5	303	66	10	19	04	02	S	32	53	W	4200	0020	-2	STD
UN	5	303	66	10	19	04	02	S	32	53	W	4200	0020	-2	HYDRO-STD
UN	5	303	66	10	19	04	02	S	32	53	W	4200	0020	-2	ICITA NET
UN	5	304	66	10	19	04	03	S	32	38	W	1430	0336	-2	STD
UN	5	304	66	10	19	04	03	S	32	38	W	1430	0336	-2	ICITA NET
UN	5	305	66	10	19	04	04	S	32	23	W	3120	0600	-2	STD
UN	5	305	66	10	19	04	04	S	32	23	W	3120	0600	-2	HYDRO-STD
UN	5	305	66	10	19	04	04	S	32	23	W	3120	0600	-2	ICITA NET
UN	5	306	66	10	19	04	03	S	32	07	W	3840	0945	-2	STD
UN	5	307	66	10	19	04	04	S	31	56	W	4580	1140	-2	STD
UN	5	307	66	10	19	04	04	S	31	56	W	4580	1140	-2	HYDRO-STD
UN	5	307	66	10	19	04	04	S	31	56	W	4580	1140	-2	ICITA NET
UN	5	308	66	10	19	04	04	S	31	54	W	4580	1345	-2	PRODUCTIVITY
UN	5	309	66	10	19	03	59	S	31	39	W	4580	1540	-2	STD
UN	5	310	66	10	19	04	13	S	31	39	W	4750	1725	-2	STD
UN	5	310	66	10	19	04	13	S	31	39	W	4750	1725	-2	HYDRO-STD
UN	5	310	66	10	19	04	13	S	31	39	W	4750	1725	-2	ICITA NET
UN	5	311	66	10	19	04	28	S	31	39	W	4500	0200	-2	STD
UN	5	311	66	10	19	04	28	S	31	39	W	4500	0200	-2	ICITA NET
UN	5	312	66	10	19	04	44	S	31	37	W	4580	2224	-2	STD
UN	5	312	66	10	19	04	44	S	31	37	W	4580	2224	-2	HYDRO-STD
UN	5	312	66	10	19	04	44	S	31	37	W	4580	2224	-2	ICITA NET
UN	5	313	66	10	20	04	59	S	31	35	W	4580	0140	-2	STD
UN	5	313	66	10	20	04	59	S	31	35	W	4580	0140	-2	ICITA NET
UN	5	314	66	10	20	05	14	S	31	33	W	4580	0340	-2	STD
UN	5	314	66	10	20	05	14	S	31	33	W	4580	0340	-2	HYDRO-STD
UN	5	314	66	10	20	05	14	S	31	33	W	4580	0340	-2	ICITA NET
UN	5	315	66	10	20	05	29	S	31	31	W	4580	0623	-2	STD
UN	5	315	66	10	20	05	29	S	31	31	W	4580	0623	-2	ICITA NET
UN	5	316	66	10	20	05	45	S	31	40	W	4580	0900	-2	STD
UN	5	316	66	10	20	05	45	S	31	40	W	4580	0900	-2	HYDRO-STD
UN	5	316	66	10	20	05	45	S	31	40	W	4580	0900	-2	ICITA NET
UN	5	317	66	10	20	06	01	S	31	40	W	5100	1200	-2	STD
UN	5	317	66	10	20	06	01	S	31	40	W	5100	1200	-2	ICITA NET
UN	5	318	66	10	20	06	17	S	31	40	W	4750	1355	-2	STD
UN	5	318	66	10	20	06	17	S	31	40	W	4750	1355	-2	HYDRO-STD
UN	5	318	66	10	20	06	17	S	31	40	W	4750	1355	-2	PRODUCTIVITY
UN	5	318	66	10	20	06	17	S	31	40	W	4750	1355	-2	ICITA NET
UN	5	319	66	10	20	06	30	S	31	40	W	4580	1640	-2	STD

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CRUISE		STA	YR	MO	DA	LAT		LONG		BDM	GMT	Z	OBSERVATION
UN	5	319	66	10	20	06 30	S	31 40	W	4580	1640	-2	ICITA NET
UN	5	320	66	10	20	06 45	S	31 39	W	4800	1830	-2	STD
UN	5	320	66	10	20	06 45	S	31 39	W	4800	1830	-2	HYDRO-STD
UN	5	320	66	10	20	06 45	S	31 39	W	4800	1830	-2	ICITA NET
UN	5	321	66	10	20	07 00	S	31 39	W	4760	2125	-2	STD
UN	5	321	66	10	20	07 00	S	31 39	W	4760	2125	-2	ICITA NET
UN	5	322	66	10	20	07 15	S	31 39	W	4200	2325	-2	STD
UN	5	322	66	10	20	07 15	S	31 39	W	4200	2325	-2	HYDRO-STD
UN	5	322	66	10	20	07 15	S	31 39	W	4200	2325	-2	ICITA NET
UN	5	323	66	10	21	07 30	S	31 38	W	4750	0240	-2	STD
UN	5	323	66	10	21	07 30	S	31 38	W	4750	0240	-2	ICITA NET
UN	5	323	66	10	21	07 30	S	31 38	W	4750	0240	-2	NIGHT LIGHT
UN	5	324	66	10	21	07 43	S	31 38	W	4950	0505	-2	STD
UN	5	324	66	10	21	07 43	S	31 38	W	4950	0505	-2	HYDRO-STD
UN	5	324	66	10	21	07 43	S	31 38	W	4950	0505	-2	ICITA NET
UN	5	325	66	10	21	08 00	S	31 40	W	5120	0829	-2	STD
UN	5	325	66	10	21	08 00	S	31 40	W	5120	0829	-2	ICITA NET
UN	5	326	66	10	21	08 15	S	31 40	W	5000	1230	-2	STD
UN	5	326	66	10	21	08 15	S	31 40	W	5000	1230	-2	HYDRO-STD
UN	5	326	66	10	21	08 15	S	31 40	W	5000	1230	-2	PRODUCTIVITY
UN	5	326	66	10	21	08 15	S	31 40	W	5000	1230	-2	ICITA NET
UN	5	327	66	10	22	08 25	S	31 39	W	4550	0159	-2	STD
UN	5	327	66	10	22	08 25	S	31 39	W	4550	0159	-2	ICITA NET
UN	5	328	66	10	22	08 40	S	31 39	W	4550	0350	-2	STD
UN	5	328	66	10	22	08 40	S	31 39	W	4550	0350	-2	HYDRO-STD
UN	5	328	66	10	22	08 40	S	31 39	W	4550	0350	-2	ICITA NET
UN	5	329	66	10	22	08 51	S	31 39	W	4550	0602	-2	STD
UN	5	329	66	10	22	08 51	S	31 39	W	4550	0602	-2	ICITA NET
UN	5	330	66	10	22	08 56	S	31 56	W	5250	0811	-2	STD
UN	5	330	66	10	22	08 56	S	31 56	W	5250	0811	-2	HYDRO-STD
UN	5	330	66	10	22	08 56	S	31 56	W	5250	0811	-2	ICITA NET
UN	5	331	66	10	22	08 57	S	32 12	W	4550	1040	-2	STD
UN	5	331	66	10	22	08 57	S	32 12	W	4550	1040	-2	ICITA NET
UN	5	332	66	10	22	08 57	S	32 26	W	4550	1225	-2	STD
UN	5	332	66	10	22	08 57	S	32 26	W	4550	1225	-2	HYDRO-STD
UN	5	332	66	10	22	08 57	S	32 26	W	4550	1225	-2	PRODUCTIVITY
UN	5	332	66	10	22	08 57	S	32 26	W	4550	1225	-2	ICITA NET
UN	5	333	66	10	22	08 55	S	32 40	W	4550	1540	-2	STD
UN	5	333	66	10	22	08 55	S	32 40	W	4550	1540	-2	ICITA NET
UN	5	334	66	10	22	08 54	S	32 55	W	5100	1735	-2	STD
UN	5	334	66	10	22	08 54	S	32 55	W	5100	1735	-2	HYDRO-STD
UN	5	334	66	10	22	08 54	S	32 55	W	5100	1735	-2	ICITA NET
UN	5	335	66	10	22	08 57	S	33 20	W	5150	2140	-2	STD
UN	5	335	66	10	22	08 57	S	33 20	W	5150	2140	-2	ICITA NET
UN	5	336	66	10	22	08 53	S	33 35	W	4400	2340	-2	STD
UN	5	336	66	10	22	08 53	S	33 35	W	4400	2340	-2	HYDRO-STD
UN	5	336	66	10	22	08 53	S	33 35	W	4400	2340	-2	ICITA NET
UN	5	337	66	10	23	08 49	S	33 50	W	5150	0238	-2	STD
UN	5	337	66	10	23	08 49	S	33 50	W	5150	0238	-2	ICITA NET
UN	5	338	66	11	04		N		W		1500	-4	BAITING
UN	5	339	66	11	05	11 20	N	62 03	W	0132	1800	-4	STD
UN	5	340	66	11	05	11 27	N	62 13	W		1920	-4	FISHING
UN	5	341	66	11	05	12 09	N	62 34	W	2800	2400	-4	STD
UN	5	342	66	11	06	12 30	N	62 45	W	2930	0230	-4	STD
UN	5	342	66	11	06	12 30	N	62 45	W	2930	0230	-4	HYDRO-STD
UN	5	342	66	11	06	12 30	N	62 45	W	2930	0230	-4	ICITA NET

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CRUISE		STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	OBSERVATION
UN	5	342	66	11	06	12	30	N	62	45	W	2930	0230	-4	NIGHT LIGHT
UN	5	343	66	11	06	12	45	N	62	43	W	2930	0630	-4	STD
UN	5	343	66	11	06	12	45	N	62	43	W	2930	0630	-4	ICITA NET
UN	5	344	66	11	06	13	03	N	62	41	W	2930	0822	-4	STD
UN	5	344	66	11	06	13	03	N	62	41	W	2930	0822	-4	HYDRO-STD
UN	5	344	66	11	06	13	03	N	62	41	W	2930	0822	-4	ICITA NET
UN	5	345	66	11	06	13	09	N	62	43	W	2930	1140	-4	STD
UN	5	345	66	11	06	13	09	N	62	43	W	2930	1140	-4	FISHING
UN	5	346	66	11	06	13	15	N	62	45	W	2900	1249	-4	STD
UN	5	346	66	11	06	13	15	N	62	45	W	2900	1249	-4	ICITA NET
UN	5	347	66	11	06	13	25	N	62	48	W	2900	1430	-4	STD
UN	5	347	66	11	06	13	25	N	62	48	W	2900	1430	-4	FISHING
UN	5	348	66	11	06	13	28	N	62	49	W	1900	1513	-4	STD
UN	5	348	66	11	06	13	28	N	62	49	W	1900	1513	-4	HYDRO-STD
UN	5	348	66	11	06	13	28	N	62	49	W	1900	1513	-4	PRODUCTIVITY
UN	5	348	66	11	06	13	28	N	62	49	W	1900	1513	-4	ICITA NET
UN	5	349	66	11	06	13	46	N	62	47	W	1830	1845	-4	STD
UN	5	349	66	11	06	13	46	N	62	47	W	1830	1845	-4	ICITA NET
UN	5	350	66	11	06	14	01	N	62	49	W	1770	2040	-4	STD
UN	5	350	66	11	06	14	01	N	62	49	W	1770	2040	-4	HYDRO-STD
UN	5	350	66	11	06	14	01	N	62	49	W	1770	2040	-4	ICITA NET
UN	5	351	66	11	06	14	00	N	62	30	W	2560	2411	-4	STD
UN	5	351	66	11	06	14	00	N	62	30	W	2560	2411	-4	ICITA NET
UN	5	352	66	11	07	13	45	N	62	32	W	2360	0205	-4	STD
UN	5	352	66	11	07	13	45	N	62	32	W	2360	0205	-4	HYDRO-STD
UN	5	352	66	11	07	13	45	N	62	32	W	2360	0205	-4	ICITA NET
UN	5	353	66	11	07	13	30	N	62	34	W	3050	0510	-4	STD
UN	5	353	66	11	07	13	30	N	62	34	W	3050	0510	-4	ICITA NET
UN	5	353	66	11	07	13	30	N	62	34	W	3050	0510	-4	NIGHT LIGHT
UN	5	354	66	11	07	13	16	N	62	36	W	3060	0755	-4	STD
UN	5	354	66	11	07	13	16	N	62	36	W	3060	0755	-4	HYDRO-STD
UN	5	354	66	11	07	13	16	N	62	36	W	3060	0755	-4	ICITA NET
UN	5	355	66	11	07	13	00	N	62	31	W	3110	1055	-4	STD
UN	5	355	66	11	07	13	00	N	62	31	W	3110	1055	-4	ICITA NET
UN	5	356	66	11	07	12	51	N	62	29	W	3000	1215	-4	STD
UN	5	356	66	11	07	12	51	N	62	29	W	3000	1215	-4	FISHING
UN	5	357	66	11	07	12	42	N	62	33	W	3250	1313	-4	STD
UN	5	357	66	11	07	12	42	N	62	33	W	3250	1313	-4	HYDRO-STD
UN	5	357	66	11	07	12	42	N	62	33	W	3250	1313	-4	ICITA NET
UN	5	358	66	11	07	12	35	N	62	33	W	3250	1510	-4	STD
UN	5	358	66	11	07	12	35	N	62	33	W	3250	1510	-4	PRODUCTIVITY
UN	5	358	66	11	07	12	35	N	62	33	W	3250	1510	-4	FISHING
UN	5	359	66	11	07	12	31	N	62	30	W	3010	1640	-4	STD
UN	5	359	66	11	07	12	31	N	62	30	W	3010	1640	-4	ICITA NET
UN	5	360	66	11	07	12	28	N	62	12	W	2920	1832	-4	STD
UN	5	360	66	11	07	12	28	N	62	12	W	2920	1832	-4	HYDRO-STD
UN	5	360	66	11	07	12	28	N	62	12	W	2920	1832	-4	ICITA NET
UN	5	361	66	11	07	12	39	N	62	14	W	2940	2040	-4	STD
UN	5	361	66	11	07	12	39	N	62	14	W	2940	2040	-4	FISHING
UN	5	362	66	11	07	13	00	N	62	15	W	2930	2322	-4	STD
UN	5	362	66	11	07	13	00	N	62	15	W	2930	2322	-4	HYDRO-STD
UN	5	362	66	11	07	13	00	N	62	15	W	2930	2322	-4	ICITA NET
UN	5	363	66	11	08	13	17	N	62	15	W	2930	0210	-4	STD
UN	5	363	66	11	08	13	17	N	62	15	W	2930	0210	-4	ICITA NET
UN	5	364	66	11	08	13	34	N	62	15	W	3060	0410	-4	STD
UN	5	364	66	11	08	13	34	N	62	15	W	3060	0410	-4	HYDRO-STD

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CRUISE		STA	YR	MO	DA	LAT		LONG		BDM	GMT	Z	OBSERVATION
UN	5	364	66	11	08	13 34	N	62 15	W	3060	0410	-4	ICITA NET
UN	5	364	66	11	08	13 34	N	62 15	W	3060	0410	-4	NIGHT LIGHT
UN	5	365	66	11	08	13 50	N	62 15	W	3020	0725	-4	STD
UN	5	365	66	11	08	13 50	N	62 15	W	3020	0725	-4	ICITA NET
UN	5	366	66	11	08	14 07	N	62 15	W	3020	0940	-4	STD
UN	5	366	66	11	08	14 07	N	62 15	W	3020	0940	-4	HYDRO-STD
UN	5	366	66	11	08	14 07	N	62 15	W	3020	0940	-4	ICITA NET
UN	5	367	66	11	08	14 04	N	62 16	W	2920	1020	-4	STD
UN	5	367	66	11	08	14 04	N	62 16	W	2920	1020	-4	FISHING
UN	5	368	66	11	08	14 00	N	62 06	W	2920	1325	-4	STD
UN	5	368	66	11	08	14 00	N	62 06	W	2920	1325	-4	HYDRO-STD
UN	5	368	66	11	08	14 00	N	62 06	W	2920	1325	-4	ICITA NET
UN	5	369	66	11	08	13 44	N	62 00	W	3040	1615	-4	STD
UN	5	369	66	11	08	13 44	N	62 00	W	3040	1615	-4	HYDRO-STD
UN	5	369	66	11	08	13 44	N	62 00	W	3040	1615	-4	PRODUCTIVITY
UN	5	369	66	11	08	13 44	N	62 00	W	3040	1615	-4	ICITA NET
UN	5	370	66	11	08	13 31	N	61 58	W	3020	1915	-4	STD
UN	5	370	66	11	08	13 31	N	61 58	W	3020	1915	-4	ICITA NET
UN	5	371	66	11	08	13 16	N	61 57	W	3280	2110	-4	STD
UN	5	371	66	11	08	13 16	N	61 57	W	3280	2110	-4	HYDRO-STD
UN	5	371	66	11	08	13 16	N	61 57	W	3280	2110	-4	ICITA NET
UN	5	372	66	11	09	13 00	N	61 58	W	3060	0005	-4	STD
UN	5	372	66	11	09	13 00	N	61 58	W	3060	0005	-4	ICITA NET
UN	5	373	66	11	09	12 45	N	61 59	W	3200	0208	-4	STD
UN	5	373	66	11	09	12 45	N	61 59	W	3200	0208	-4	HYDRO-STD
UN	5	373	66	11	09	12 45	N	61 59	W	3200	0208	-4	ICITA NET
UN	5	374	66	11	09	12 30	N	62 00	W	3020	0500	-4	STD
UN	5	374	66	11	09	12 30	N	62 00	W	3020	0500	-4	ICITA NET
UN	5	374	66	11	09	12 30	N	62 00	W	3020	0500	-4	NIGHT LIGHT
UN	5	375	66	11	09	12 30	N	61 40	W	2970	0745	-4	STD
UN	5	375	66	11	09	12 30	N	61 40	W	2970	0745	-4	HYDRO-STD
UN	5	375	66	11	09	12 30	N	61 40	W	2970	0745	-4	ICITA NET
UN	5	376	66	11	09	12 45	N	61 45	W	2900	1050	-4	STD
UN	5	376	66	11	09	12 45	N	61 45	W	2900	1050	-4	ICITA NET
UN	5	377	66	11	09	13 00	N	61 48	W	2880	1230	-4	STD
UN	5	377	66	11	09	13 00	N	61 48	W	2880	1230	-4	HYDRO-STD
UN	5	377	66	11	09	13 00	N	61 48	W	2880	1230	-4	ICITA NET
UN	5	378	66	11	09	13 19	N	61 44	W	2840	1540	-4	STD
UN	5	378	66	11	09	13 19	N	61 44	W	2840	1540	-4	PRODUCTIVITY
UN	5	378	66	11	09	13 19	N	61 44	W	2840	1540	-4	ICITA NET
UN	5	378	66	11	09	13 19	N	61 44	W	2840	1540	-4	FISHING
UN	5	379	66	11	09	13 21	N	61 44	W	2840	1705	-4	FISHING
UN	5	380	66	11	09	13 31	N	61 44	W	3000	1840	-4	STD
UN	5	380	66	11	09	13 31	N	61 44	W	3000	1840	-4	HYDRO-STD
UN	5	380	66	11	09	13 31	N	61 44	W	3000	1840	-4	ICITA NET
UN	5	381	66	11	09	13 46	N	61 44	W	2900	2128	-4	STD
UN	5	381	66	11	09	13 46	N	61 44	W	2900	2128	-4	ICITA NET
UN	5	382	66	11	09	14 01	N	61 43	W	2840	2316	-4	STD
UN	5	382	66	11	09	14 01	N	61 43	W	2840	2316	-4	HYDRO-STD
UN	5	382	66	11	09	14 01	N	61 43	W	2840	2316	-4	ICITA NET
UN	5	383	66	11	10	14 01	N	61 29	W	2840	0150	-4	STD
UN	5	383	66	11	10	14 01	N	61 29	W	2840	0150	-4	ICITA NET
UN	5	384	66	11	10	13 45	N	61 30	W	2900	0400	-4	STD
UN	5	384	66	11	10	13 45	N	61 30	W	2900	0400	-4	HYDRO-STD
UN	5	384	66	11	10	13 45	N	61 30	W	2900	0400	-4	ICITA NET
UN	5	385	66	11	10	13 31	N	61 30	W	2900	0635	-4	STD

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CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT Z	OBSERVATION
UN 5	385	66	11	10	13 31 N	61 30 W	2900	0635-4	ICITA NET
UN 5	386	66	11	10	13 14 N	61 27 W	2750	0845-4	STD
UN 5	386	66	11	10	13 14 N	61 27 W	2750	0845-4	HYDRO-STD
UN 5	386	66	11	10	13 14 N	61 27 W	2750	0845-4	ICITA NET
UN 5	387	66	11	10	13 00 N	61 29 W	2750	1120-4	STD
UN 5	387	66	11	10	13 00 N	61 29 W	2750	1120-4	ICITA NET
UN 5	388	66	11	10	12 51 N	61 32 W	2710	1303-4	STD
UN 5	388	66	11	10	12 51 N	61 32 W	2710	1303-4	FISHING
UN 5	389	66	11	10	12 47 N	61 30 W	1500	1445-4	STD
UN 5	389	66	11	10	12 47 N	61 30 W	1500	1445-4	HYDRO-STD
UN 5	389	66	11	10	12 47 N	61 30 W	1500	1445-4	PRODUCTIVITY
UN 5	389	66	11	10	12 47 N	61 30 W	1500	1445-4	ICITA NET
UN 5	390	66	11	10	12 39 N	61 34 W	1685	1730-4	STD
UN 5	390	66	11	10	12 39 N	61 34 W	1685	1730-4	ICITA NET
UN 5	390	66	11	10	12 39 N	61 34 W	1685	1730-4	FISHING
UN 5	391	66	11	10	12 32 N	61 35 W	0770	1850-4	STD
UN 5	391	66	11	10	12 32 N	61 35 W	0770	1850-4	FISHING
UN 5	392	66	11	10	12 16 N	61 22 W	0568	2215-4	STD
UN 5	392	66	11	10	12 16 N	61 22 W	0568	2215-4	ICITA NET
UN 5	393	66	11	11	12 22 N	61 08 W	1000	0009-4	STD
UN 5	393	66	11	11	12 22 N	61 08 W	1000	0009-4	HYDRO-STD
UN 5	393	66	11	11	12 22 N	61 08 W	1000	0009-4	ICITA NET
UN 5	394	66	11	11	12 27 N	60 56 W	1630	0247-4	STD
UN 5	394	66	11	11	12 27 N	60 56 W	1630	0247-4	ICITA NET
UN 5	395	66	11	11	12 33 N	60 43 W	1370	0500-4	STD
UN 5	395	66	11	11	12 33 N	60 43 W	1370	0500-4	HYDRO-STD
UN 5	395	66	11	11	12 33 N	60 43 W	1370	0500-4	ICITA NET
UN 5	396	66	11	11	12 38 N	60 31 W	1460	0805-4	STD
UN 5	396	66	11	11	12 38 N	60 31 W	1460	0805-4	ICITA NET
UN 5	397	66	11	11	12 44 N	61 19 W	1830	0955-4	STD
UN 5	397	66	11	11	12 44 N	61 19 W	1830	0955-4	HYDRO-STD
UN 5	397	66	11	11	12 44 N	61 19 W	1830	0955-4	ICITA NET
UN 5	398	66	11	11	12 49 N	60 04 W	1430	1255-4	STD
UN 5	398	66	11	11	12 49 N	60 04 W	1430	1255-4	ICITA NET
UN 5	399	66	11	11	12 52 N	59 52 W	1100	1444-4	STD
UN 5	399	66	11	11	12 52 N	59 52 W	1100	1444-4	HYDRO-STD
UN 5	399	66	11	11	12 52 N	59 52 W	1100	1444-4	PRODUCTIVITY
UN 5	399	66	11	11	12 52 N	59 52 W	1100	1444-4	ICITA NET
UN 5	400	66	11	11	13 06 N	59 56 W	1830	1755-4	STD
UN 5	400	66	11	11	13 06 N	59 56 W	1830	1755-4	ICITA NET
UN 5	401	66	11	11	13 14 N	60 10 W	2740	1945-4	STD
UN 5	401	66	11	11	13 14 N	60 10 W	2740	1945-4	HYDRO-STD
UN 5	401	66	11	11	13 14 N	60 10 W	2740	1945-4	ICITA NET
UN 5	402	66	11	11	13 22 N	60 23 W	2200	2209-4	STD
UN 5	402	66	11	11	13 22 N	60 23 W	2200	2209-4	ICITA NET
UN 5	403	66	11	11	13 30 N	60 36 W	1650	2354-4	STD
UN 5	403	66	11	11	13 30 N	60 36 W	1650	2354-4	HYDRO-STD
UN 5	403	66	11	11	13 30 N	60 36 W	1650	2354-4	ICITA NET
UN 5	404	66	11	12	13 37 N	60 49 W	0743	0225-4	STD
UN 5	404	66	11	12	13 37 N	60 49 W	0743	0225-4	ICITA NET
UN 5	405	66	11	12	13 44 N	60 35 W	1370	1625-4	STD
UN 5	405	66	11	12	13 44 N	60 35 W	1370	1625-4	HYDRO-STD
UN 5	405	66	11	12	13 44 N	60 35 W	1370	1625-4	ICITA NET
UN 5	406	66	11	12	13 50 N	60 21 W	1440	0720-4	STD
UN 5	406	66	11	12	13 50 N	60 21 W	1440	0720-4	ICITA NET
UN 5	407	66	11	12	13 55 N	60 07 W	1600	0925-4	STD

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CRUISE		STA	YR	MO	DA	LAT		LONG		BDM	GMT	Z	GEAR	OBSERVATION
UN	5	407	66	11	12	13 55	N	60 07	W	1600	0925-4		10 04	HYDRO-STD
UN	5	407	66	11	12	13 55	N	60 07	W	1600	0925-4		21 01	ICITA NET
UN	5	408	66	11	12	14 02	N	59 53	W	1300	1219-4		10 03	STD
UN	5	408	66	11	12	14 02	N	59 53	W	1300	1219-4		10 04	HYDRO-STD
UN	5	408	66	11	12	14 02	N	59 53	W	1300	1219-4		21 01	ICITA NET

END OF DATA
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APPENDIX 1 (continued)

UNDAUNTED CRUISE 6701

February 3 to March 5, 1967

OBSERVATION CODES

BDM	- Bottom depth, meters
GMT	- Greenwich Mean Time
HYDRO	- Hydrographic
ICITA NET	- Plankton net
Z	- Time zone

CRUISE	STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	OBSERVATION
UN6701	001	67	02	03	25	45	N	77	06	W		1745	-5	FISHING
UN6701	002	67	02	04	25	35	N	76	30	W		0300	-5	DIP NET
UN6701	003	67	02	04	24	17	N	75	11	W		2100	-5	FISHING
UN6701	004	67	02	05	21	21	N	72	33	W		1845	-5	FISHING
UN6701	005	67	02	05	21	05	N	72	13	W		2020	-5	FISHING
UN6701	006	67	02	09	11	22	N	64	40	W		0500	-4	NIGHT LIGHT
UN6701	007	67	02	09	11	21	N	64	43	W	1140	1430	-4	HYDRO
UN6701	008	67			10	41	N	63	43	W	0050	2000	-4	FISHING
UN6701	009	67	02	12	11	41	N	63	30	W	0750	1000	-4	HYDRO
UN6701	009	67	02	12	11	41	N	63	30	W	0750	1000	-4	ICITA NET
UN6701	010	67	02	12	12	23	N	63	33	W	0620	1600	-4	HYDRO
UN6701	010	67	02	12	12	23	N	63	33	W	0620	1600	-4	PRODUCTIVITY
UN6701	010	67	02	12	12	23	N	63	33	W	0620	1600	-4	ICITA NET
UN6701	011	67	02	12	13	10	N	63	29	W	1160	2215	-4	HYDRO
UN6701	011	67	02	12	13	10	N	63	29	W	1160	2215	-4	ICITA NET
UN6701	012	67	02	13	13	10	N	63	17	W	1150	0932	-4	HYDRO
UN6701	012	67	02	13	13	10	N	63	17	W	1150	0932	-4	ICITA NET
UN6701	013	67	02	13	14	00	N	63	16	W	1250	1600	-4	HYDRO
UN6701	013	67	02	13	14	00	N	63	16	W	1250	1600	-4	PRODUCTIVITY
UN6701	013	67	02	13	14	00	N	63	16	W	1250	1600	-4	ICITA NET
UN6701	014	67	02	13	14	59	N	63	20	W	1250	2215	-4	HYDRO
UN6701	014	67	02	13	14	59	N	63	20	W	1250	2215	-4	ICITA NET
UN6701	015	67	02	14	14	59	N	63	20	W		0205	-4	ICITA NET
UN6701	015	67	02	14	14	59	N	63	20	W		0205	-4	NIGHT LIGHT
UN6701	016	67	02	14	15	01	N	63	07	W		0805	-4	NIGHT LIGHT
UN6701	017	67	02	14	15	01	N	63	07	W	1900	0930	-4	HYDRO
UN6701	017	67	02	14	15	01	N	63	07	W	1900	0930	-4	ICITA NET
UN6701	018	67	02	14	14	06	N	63	00	W	1340	1600	-4	HYDRO
UN6701	018	67	02	14	14	06	N	63	00	W	1340	1600	-4	PRODUCTIVITY
UN6701	018	67	02	14	14	06	N	63	00	W	1340	1600	-4	ICITA NET
UN6701	019	67	02	14	13	15	N	62	58	W	1440	2215	-4	HYDRO
UN6701	019	67	02	14	13	15	N	62	58	W	1440	2215	-4	ICITA NET
UN6701	020	67	02	15	13	13	N	62	58	W		0345	-4	NIGHT LIGHT
UN6701	021	67	02	15	13	08	N	62	53	W	1660	0920	-4	HYDRO
UN6701	021	67	02	15	13	08	N	62	53	W	1660	0920	-4	ICITA NET
UN6701	022	67	02	15	12	14	N	63	00	W	3000	1610	-4	HYDRO
UN6701	022	67	02	15	12	14	N	63	00	W	3000	1610	-4	PRODUCTIVITY
UN6701	022	67	02	15	12	14	N	63	00	W	3000	1610	-4	ICITA NET
UN6701	023	67	02	15	11	58	N	63	07	W	0850	1933	-4	NEUSTON NET
UN6701	024	67	02	15	11	45	N	62	59	W	0800	2128	-4	HYDRO
UN6701	024	67	02	15	11	45	N	62	59	W	0800	2128	-4	ICITA NET
UN6701	025	67	02	16	11	45	N	62	59	W		0300	-4	NIGHT LIGHT
UN6701	026	67					N			W	0030	0700	-4	BAITING
UN6701	027	67	02	18	11	42	N	62	30	W	0780	1715	-4	HYDRO
UN6701	027	67	02	18	11	42	N	62	30	W	0780	1715	-4	ICITA NET
UN6701	028	67	02	19	12	13	N	61	24	W	0740	0328	-4	HYDRO
UN6701	028	67	02	19	12	13	N	61	24	W	0740	0328	-4	ICITA NET
UN6701	029	67	02	19	12	29	N	60	56	W	1600	0800	-4	HYDRO
UN6701	029	67	02	19	12	29	N	60	56	W	1600	0800	-4	ICITA NET
UN6701	030	67	02	19	12	47	N	60	29	W		1240	-4	HYDRO
UN6701	030	67	02	19	12	47	N	60	29	W		1240	-4	ICITA NET
UN6701	031	67	02	19	12	57	N	59	59	W	0900	1719	-4	HYDRO
UN6701	031	67	02	19	12	57	N	59	59	W	0900	1719	-4	ICITA NET
UN6701	032	67	02	22	13	38	N	59	39	W	1420	0200	-4	HYDRO
UN6701	032	67	02	22	13	38	N	59	39	W	1420	0200	-4	ICITA NET
UN6701	033	67	02	22	14	06	N	59	37	W	3000	0725	-4	HYDRO

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CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT Z	OBSERVATION
UN6701	033	67	02	22	14 06 N	59 37 W	3000	0725-4	ICITA NET
UN6701	034	67	02	22	14 33 N	59 35 W		1220-4	HYDRO
UN6701	034	67	02	22	14 33 N	59 35 W		1220-4	ICITA NET
UN6701	035	67	02	22	14 13 N	60 13 W		1600-4	HYDRO
UN6701	035	67	02	22	14 13 N	60 13 W		1600-4	PRODUCTIVITY
UN6701	035	67	02	22	14 13 N	60 13 W		1600-4	ICITA NET
UN6701	036	67	02	22	14 13 N	60 31 W	2000	2100-4	HYDRO
UN6701	036	67	02	22	14 13 N	60 31 W	2000	2100-4	ICITA NET
UN6701	037	67	02	23	14 02 N	60 34 W	1720	0220-4	HYDRO
UN6701	037	67	02	23	14 02 N	60 34 W	1720	0220-4	ICITA NET
UN6701	038	67	02	23	13 48 N	60 05 W		0738-4	HYDRO
UN6701	038	67	02	23	13 48 N	60 05 W		0738-4	ICITA NET
UN6701	039	67	02	23	13 34 N	60 04 W	1460	1255-4	HYDRO
UN6701	039	67	02	23	13 34 N	60 04 W	1460	1255-4	ICITA NET
UN6701	040	67	02	23	13 27 N	60 18 W	2100	1555-4	HYDRO
UN6701	040	67	02	23	13 27 N	60 18 W	2100	1555-4	PRODUCTIVITY
UN6701	040	67	02	23	13 27 N	60 18 W	2100	1555-4	ICITA NET
UN6701	041	67	02	23	13 15 N	60 46 W	1700	2025-4	HYDRO
UN6701	041	67	02	23	13 15 N	60 46 W	1700	2025-4	ICITA NET
UN6701	042	67	02	24	12 20 N	62 47 W	1550	0930-4	HYDRO
UN6701	042	67	02	24	12 20 N	62 47 W	1550	0930-4	ICITA NET
UN6701	043	67	02	24	12 24 N	62 13 W	3200	1610-4	HYDRO
UN6701	043	67	02	24	12 24 N	62 13 W	3200	1610-4	PRODUCTIVITY
UN6701	043	67	02	24	12 24 N	62 13 W	3200	1610-4	ICITA NET
UN6701	043	67	02	24	12 24 N	62 13 W	3200	1610-4	FISHING
UN6701	044	67	02	24	12 21 N	62 05 W		1814-4	FISHING
UN6701	045	67	02	24	12 29 N	61 37 W	1800	2130-4	HYDRO
UN6701	045	67	02	24	12 29 N	61 37 W	1800	2130-4	ICITA NET
UN6701	046	67	02	25	12 30 N	61 29 W	0030	0300-4	NIGHT LIGHT
UN6701	047	67	02	25	12 52 N	61 27 W	1800	0920-4	HYDRO
UN6701	047	67	02	25	12 52 N	61 27 W	1800	0920-4	ICITA NET
UN6701	048	67	02	25	12 49 N	62 17 W	3024	1555-4	HYDRO
UN6701	048	67	02	25	12 49 N	62 17 W	3024	1555-4	PRODUCTIVITY
UN6701	048	67	02	25	12 49 N	62 17 W	3024	1555-4	ICITA NET
UN6701	048	67	02	25	12 49 N	62 17 W	3024	1555-4	FISHING
UN6701	049	67	02	25	12 51 N	62 18 W	3029	1730-4	FISHING
UN6701	050	67	02	25	12 53 N	62 25 W	3060	1840-4	FISHING
UN6701	051	67	02	25	12 51 N	62 18 W	3060	2050-4	HYDRO
UN6701	051	67	02	25	12 51 N	62 18 W	3060	2050-4	ICITA NET
UN6701	051	67	02	25	12 51 N	62 18 W	3060	2050-4	FISHING
UN6701	052	67	02	26	12 50 N	62 34 W	3150	0100-4	NIGHT LIGHT
UN6701	053	67	02	26	13 25 N	62 55 W	1500	1610-4	HYDRO
UN6701	053	67	02	26	13 25 N	62 55 W	1500	1610-4	PRODUCTIVITY
UN6701	053	67	02	26	13 25 N	62 55 W	1500	1610-4	ICITA NET
UN6701	053	67	02	26	13 25 N	62 55 W	1500	1610-4	FISHING
UN6701	054	67	02	26	13 21 N	62 16 W	3060	2130-4	HYDRO
UN6701	054	67	02	26	13 21 N	62 16 W	3060	2130-4	ICITA NET
UN6701	056	67	02	27	13 11 N	61 36 W	2700	1430-4	NEUSTON NET
UN6701	056	67	02	27	13 11 N	61 36 W	2700	1430-4	FISHING
UN6701	057	67	02	27	13 11 N	61 31 W	2700	1545-4	HYDRO
UN6701	057	67	02	27	13 11 N	61 31 W	2700	1545-4	PRODUCTIVITY
UN6701	057	67	02	27	13 11 N	61 31 W	2700	1545-4	ICITA NET
UN6701	058	67	02	27	12 44 N	61 40 W	2880	2028-4	FISHING
UN6701	059	67	02	27	12 37 N	61 44 W	2880	2130-4	HYDRO
UN6701	059	67	02	27	12 37 N	61 44 W	2880	2130-4	ICITA NET
UN6701	059	67	02	27	12 37 N	61 44 W	2880	2130-4	FISHING

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CRUISE	STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	OBSERVATION
UN6701	060	67	02	28	12	03	N	63	01	W	1300	0615	-4	NIGHT LIGHT
UN6701	061	67	02	28	12	05	N	63	04	W	2700	0630	-4	HYDRO
UN6701	061	67	02	28	12	05	N	63	04	W	2700	0630	-4	ICITA NET
UN6701	062	67	03	02	18	57	N	68	07	W	1800	1550	-4	FISHING
UN6701	063	67	03	03	20	22	N	71	02	W	2300	0900	-5	HYDRO
UN6701	064	67	03	03	20	58	N	72	00	W	1320	1645	-5	HYDRO
UN6701	064	67	03	03	20	58	N	72	00	W	1320	1645	-5	PRODUCTIVITY
UN6701	064	67	03	03	20	58	N	72	00	W	1320	1645	-5	ICITA NET
UN6701	065	67	03	03	21	15	N	72	23	W	2700	2025	-5	FISHING
UN6701	066	67	03	03	21	30	N	72	39	W	1746	2220	-5	HYDRO
UN6701	066	67	03	03	21	30	N	72	39	W	1746	2220	-5	ICITA NET
UN6701	067	67	03	04	21	30	N	72	39	W	1800	1033	-5	HYDRO
UN6701	067	67	03	04	21	30	N	72	39	W	1800	1033	-5	ICITA NET
UN6701	068	67	03	04	20	36	N	72	54	W	2700	1645	-5	HYDRO
UN6701	068	67	03	04	20	36	N	72	54	W	2700	1645	-5	PRODUCTIVITY
UN6701	068	67	03	04	20	36	N	72	54	W	2700	1645	-5	ICITA NET
UN6701	068	67	03	04	20	36	N	72	54	W	2700	1645	-5	FISHING
UN6701	069	67	03	04	20	31	N	72	11	W	4050	2230	-5	HYDRO
UN6701	069	67	03	04	20	31	N	72	11	W	4050	2230	-5	ICITA NET
UN6701	070	67	03	05	20	58	N	71	59	W	1440	1043	-5	HYDRO
UN6701	070	67	03	05	20	58	N	71	59	W	1440	1043	-5	ICITA NET
UN6701	071	67	03	05	21	34	N	72	31	W	1140	1645	-5	HYDRO
UN6701	071	67	03	05	21	34	N	72	31	W	1140	1645	-5	PRODUCTIVITY
UN6701	071	67	03	05	21	34	N	72	31	W	1140	1645	-5	ICITA NET

END OF DATA

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APPENDIX 1 (continued)

UNDAUNTED CRUISE 6702

March 14 and 15, 1967

CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT Z	TYPE OBSERV
UN6702	001	67	03	14	25 46 N	80 05 W		1346-5	DRIFT BOTTL
UN6702	002	67	03	14	25 45 N	80 03 W		1410-5	ICITA NET
UN6702	003	67	03	14	25 40 N	80 03 W	0162	1715-5	ICITA NET
UN6702	004	67	03	14	25 26 N	80 06 W		1900-5	DRIFT BOTTL
UN6702	005	67	03	14	25 13 N	80 12 W		2100-5	DRIFT BOTTL
UN6702	006	67	03	14	24 57 N	80 27 W		2300-5	DRIFT BOTTL
UN6702	007	67	03	14	24 53 N	80 33 W		2355-5	DRIFT BOTTL
UN6702	007	67	03	14	24 53 N	80 33 W		2355-5	NIGHT LIGHT
UN6702	008	67	03	15	24 46 N	80 28 W		1302-5	DRIFT BOTTL
UN6702	008	67	03	15	24 46 N	80 28 W		1302-5	ICITA NET
UN6702	009	67	03	15	24 26 N	80 19 W		1520-5	DRIFT BOTTL
UN6702	009	67	03	15	24 26 N	80 19 W		1520-5	ICITA NET
UN6702	010	67	03	15	24 06 N	80 20 W		1824-5	DRIFT BOTTL
UN6702	010	67	03	15	24 06 N	80 20 W		1824-5	ICITA NET
UN6702	010	67	03	15	24 06 N	80 20 W		1824-5	FISHING
UN6702	011	67	03	15	23 53 N	80 30 W		0245-5	DRIFT BOTTL
UN6702	011	67	03	15	23 53 N	80 30 W		0245-5	FISHING
UN6702	011	67	03	15	23 53 N	80 30 W		0245-5	NIGHT LIGHT
UN6702	011	67	03	15	23 53 N	80 30 W		0245-5	TRAWL

APPENDIX 1 (continued)

UNDAUNTED CRUISE 6703

March 31 to May 23, 1967

OBSERVATION CODES

BT	- Bathythermograph
GMT	- Greenwich Mean Time
HYDRO	- Hydrographic
ICITA NET	- Plankton net
STD	- Salinity, temperature, depth
Z	- Time zone

CRUISE	STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	TYPE OBSERV
UN6703	001	67	03	31	27	42	N	82	36	W	0004		-5	FISHING
UN6703	001	67	03	31	27	42	N	82	36	W	0004		-5	NIGHT LIGHT
UN6703	002	67	03	31	26	37	N	83	30	W	0054	2145	-5	FISHING
UN6703	003	67	04	02	18	44	N	86	25	W	3600	1800	-5	FISHING
UN6703	004	67	04	02	18	23	N	86	32	W		2110	-5	FISHING
UN6703	005	67	04	02	18	22	N	86	28	W		2130	-5	FISHING
UN6703	006	67	04	02	18	17	N	86	26	W		2220	-5	FISHING
UN6703	007	67	04	04	16	27	N	85	54	W		2005	-5	BAITING
UN6703	008	67	04	07	13	21	N	82	16	W.	0022	2310	-5	FISHING
UN6703	009	67	04	08	12	08	N	82	54	W	0046	0615	-5	FISHING
UN6703	009	67	04	08	12	08	N	82	54	W	0046	0615	-5	NIGHT LIGHT
UN6703	010	67	04	08	12	07	N	82	45	W	0810	1100	-5	HYDRO
UN6703	010	67	04	08	12	07	N	82	45	W	0810	1100	-5	ICITA NET
UN6703	011	67	04	08	11	59	N	82	18	W	0920	1700	-5	HYDRO
UN6703	011	67	04	08	11	59	N	82	18	W	0920	1700	-5	PRODUCTIVITY
UN6703	011	67	04	08	11	59	N	82	18	W	0920	1700	-5	ICITA NET
UN6703	012	67	04	08	11	16	N	82	51	W	2000	2300	-5	HYDRO
UN6703	012	67	04	08	11	16	N	82	51	W	2000	2300	-5	ICITA NET
UN6703	013	67	04	09	11	14	N	83	30	W	0274	0500	-5	ICITA NET
UN6703	013	67	04	09	11	14	N	83	30	W	0274	0500	-5	FISHING
UN6703	014	67	04	09	11	14	N	83	28	W	0540	1115	-5	HYDRO
UN6703	014	67	04	09	11	14	N	83	28	W	0540	1115	-5	ICITA NET
UN6703	015	67	04	09	11	02	N	83	31	W	0306	1415	-5	ICITA NET
UN6703	015	67	04	09	11	02	N	83	31	W	0306	1415	-5	FISHING
UN6703	016	67	04	09	10	59	N	83	27	W	0940	1700	-5	HYDRO
UN6703	016	67	04	09	10	59	N	83	27	W	0940	1700	-5	PRODUCTIVITY
UN6703	016	67	04	09	10	59	N	83	27	W	0940	1700	-5	ICITA NET
UN6703	017	67	04	10	11	00	N	82	50	W	1980	1045	-5	HYDRO
UN6703	017	67	04	10	11	00	N	82	50	W	1980	1045	-5	ICITA NET
UN6703	018	67	04	10	10	23	N	82	29	W	1854	1700	-5	HYDRO
UN6703	018	67	04	10	10	23	N	82	29	W	1854	1700	-5	PRODUCTIVITY
UN6703	018	67	04	10	10	23	N	82	29	W	1854	1700	-5	ICITA NET
UN6703	019	67	04	10	11	22	N	83	14	W	0219	2300	-5	HYDRO
UN6703	019	67	04	10	11	22	N	83	14	W	0219	2300	-5	ICITA NET
UN6703	019	67	04	10	11	22	N	83	14	W	0219	2300	-5	FISHING
UN6703	020	67	04	11	09	39	N	82	24	W	1073	1725	-5	HYDRO
UN6703	020	67	04	11	09	39	N	82	24	W	1073	1725	-5	PRODUCTIVITY
UN6703	020	67	04	11	09	39	N	82	24	W	1073	1725	-5	ICITA NET
UN6703	021	67	04	11	10	09	N	81	49	W	2380	2300	-5	HYDRO
UN6703	021	67	04	11	10	09	N	81	49	W	2380	2300	-5	ICITA NET
UN6703	022	67	04	12	09	48	N	81	17	W	2695	1100	-5	HYDRO
UN6703	022	67	04	12	09	48	N	81	17	W	2695	1100	-5	ICITA NET
UN6703	023	67	04	12	09	18	N	81	43	W	0520	1700	-5	HYDRO
UN6703	023	67	04	12	09	18	N	81	43	W	0520	1700	-5	PRODUCTIVITY
UN6703	023	67	04	12	09	18	N	81	43	W	0520	1700	-5	ICITA NET
UN6703	024	67	04	12	08	57	N	81	26	W	0415	2300	-5	HYDRO
UN6703	024	67	04	12	08	57	N	81	26	W	0415	2300	-5	ICITA NET
UN6703	025	67	04	13	09	04	N	81	33	W		0230	-5	FISHING
UN6703	026	67	04	13	09	35	N	81	08	W	2340	1708	-5	HYDRO
UN6703	026	67	04	13	09	35	N	81	08	W	2340	1708	-5	PRODUCTIVITY
UN6703	026	67	04	13	09	35	N	81	08	W	2340	1708	-5	ICITA NET
UN6703	027	67	04	13	09	40	N	80	50	W	1530	2012	-5	FISHING
UN6703	028	67	04	13	09	48	N	80	31	W	1710	2300	-5	HYDRO
UN6703	028	67	04	13	09	48	N	80	31	W	1710	2300	-5	ICITA NET
UN6703	029	67	04	14	09	02	N	80	49	W	0297	1100	-5	HYDRO
UN6703	029	67	04	14	09	02	N	80	49	W	0297	1100	-5	ICITA NET
UN6703	030	67	04	14	09	14	N	80	30	W	0090	1355	-5	FISHING
UN6703	031	67	04	14	09	22	N	80	17	W	0306	1715	-5	HYDRO

CRUISE	STA	YR	MO	DA	LAT	LONG	BOM	GMT Z	TYPE OBSERV
UN6703	031	67	04	14	09 22 N	80 17 W	0306	1715-5	PRODUCTIVITY
UN6703	031	67	04	14	09 22 N	80 17 W	0306	1715-5	ICITA NET
UN6703	032	67	04	14	09 27 N	80 15 W	0540	1910-5	FISHING
UN6703	033	67	04	14	10 02 N	80 08 W	2885	2300-5	HYDRO
UN6703	033	67	04	14	10 02 N	80 08 W	2885	2300-5	ICITA NET
UN6703	034	67	04	15	10 25 N	79 40 W	3600	1100-5	HYDRO
UN6703	034	67	04	15	10 25 N	79 40 W	3600	1100-5	ICITA NET
UN6703	035	67	04	15	09 47 N	79 38 W	1440	1550-5	HYDRO
UN6703	035	67	04	15	09 47 N	79 38 W	1440	1550-5	ICITA NET
UN6703	036	67	04	15	09 37 N	79 57 W	0900	1915-5	HYDRO
UN6703	036	67	04	15	09 37 N	79 57 W	0900	1915-5	ICITA NET
UN6703	037	67	04	19	09 38 N	80 10 W	1800	1948-5	ICITA NET
UN6703	037	67	04	19	09 38 N	80 10 W	1800	1948-5	NEUSTON NET
UN6703	037	67	04	19	09 38 N	80 10 W	1800	1948-5	FISHING
UN6703	038	67	04	20	09 34 N	79 39 W		2025-5	BAITING
UN6703	039	67	04	22	09 39 N	79 54 W	0800	1130-5	STD
UN6703	039	67	04	22	09 39 N	79 54 W	0800	1130-5	HYDRO-STD
UN6703	039	67	04	22	09 39 N	79 54 W	0800	1130-5	ICITA NET
UN6703	040	67	04	22	10 23 N	79 55 W	2040	1700-5	STD
UN6703	040	67	04	22	10 23 N	79 55 W	2040	1700-5	HYDRO-STD
UN6703	040	67	04	22	10 23 N	79 55 W	2040	1700-5	PRODUCTIVITY
UN6703	040	67	04	22	10 23 N	79 55 W	2040	1700-5	ICITA NET
UN6703	040	67	04	22	10 23 N	79 55 W	2040	1700-5	NEUSTON NET
UN6703	041	67	04	22	11 12 N	79 54 W	3330	2300-5	STD
UN6703	041	67	04	22	11 12 N	79 54 W	3330	2300-5	HYDRO-STD
UN6703	041	67	04	22	11 12 N	79 54 W	3330	2300-5	ICITA NET
UN6703	041	67	04	22	11 12 N	79 54 W	3330	2300-5	NEUSTON NET
UN6703	042	67	04	23	11 09 N	79 03 W	3065	0500-5	STD
UN6703	042	67	04	23	11 09 N	79 03 W	3065	0500-5	ICITA NET
UN6703	043	67	04	23	10 33 N	78 40 W	2790	1100-5	STD
UN6703	043	67	04	23	10 33 N	78 40 W	2790	1100-5	HYDRO-STD
UN6703	043	67	04	23	10 33 N	78 40 W	2790	1100-5	ICITA NET
UN6703	043	67	04	23	10 33 N	78 40 W	2790	1100-5	NEUSTON NET
UN6703	044	67	04	23	09 48 N	78 47 W		1700-5	STD
UN6703	044	67	04	23	09 48 N	78 47 W		1700-5	HYDRO-STD
UN6703	044	67	04	23	09 48 N	78 47 W		1700-5	PRODUCTIVITY
UN6703	044	67	04	23	09 48 N	78 47 W		1700-5	ICITA NET
UN6703	044	67	04	23	09 48 N	78 47 W		1700-5	NEUSTON NET
UN6703	045	67	04	23	09 29 N	78 58 W	0144	2100-5	BAITING
UN6703	045	67	04	23	09 29 N	78 58 W	0144	2100-5	REEF COLLECT
UN6703	046	67	04	25	09 57 N	78 36 W	1440	1700-5	STD
UN6703	046	67	04	25	09 57 N	78 36 W	1440	1700-5	HYDRO-STD
UN6703	046	67	04	25	09 57 N	78 36 W	1440	1700-5	PRODUCTIVITY
UN6703	046	67	04	25	09 57 N	78 36 W	1440	1700-5	ICITA NET
UN6703	047	67	04	25	10 16 N	78 17 W	2435	2300-5	STD
UN6703	047	67	04	25	10 16 N	78 17 W	2435	2300-5	HYDRO-STD
UN6703	047	67	04	25	10 16 N	78 17 W	2435	2300-5	ICITA NET
UN6703	048	67	04	26	10 22 N	77 35 W	3245	0500-5	STD
UN6703	048	67	04	26	10 22 N	77 35 W	3245	0500-5	ICITA NET
UN6703	049	67	04	26	10 28 N	76 47 W	3240	1100-5	STD
UN6703	049	67	04	26	10 28 N	76 47 W	3240	1100-5	HYDRO-STD
UN6703	049	67	04	26	10 28 N	76 47 W	3240	1100-5	ICITA NET
UN6703	050	67	04	26	09 51 N	77 19 W	3060	1700-5	STD
UN6703	050	67	04	26	09 51 N	77 19 W	3060	1700-5	HYDRO-STD
UN6703	050	67	04	26	09 51 N	77 19 W	3060	1700-5	PRODUCTIVITY
UN6703	050	67	04	26	09 51 N	77 19 W	3060	1700-5	ICITA NET
UN6703	051	67	04	26	09 15 N	77 44 W	1200	2245-5	STD

CRUISE	STA	YR	MO	DA	LAT			LONG			BDM	GMT	Z	TYPE OBSERV
UN6703	051	67	04	26	09	15	N	77	44	W	1200	2245	-5	HYDRO-STD
UN6703	051	67	04	26	09	15	N	77	44	W	1200	2245	-5	ICITA NET
UN6703	052	67	04	27	10	10	N	75	48	W	0054	1700	-5	REEF COLLECT
UN6703	053	67	05	11			N			W	0009	1400	-5	NIGHT LIGHT
UN6703	055	67	05	13	16	25	N	86	32	W	1150	1100	-5	STD
UN6703	055	67	05	13	16	25	N	86	32	W	1150	1100	-5	HYDRO-STD
UN6703	055	67	05	13	16	25	N	86	32	W	1150	1100	-5	ICITA NET
UN6703	055	67	05	13	16	25	N	86	32	W	1150	1100	-5	NEUSTON NET
UN6703	056	67	05	13	16	53	N	86	32	W	3600	1700	-5	STD
UN6703	056	67	05	13	16	53	N	86	32	W	3600	1700	-5	HYDRO-STD
UN6703	056	67	05	13	16	53	N	86	32	W	3600	1700	-5	PRODUCTIVITY
UN6703	056	67	05	13	16	53	N	86	32	W	3600	1700	-5	ICITA NET
UN6703	057	67	05	13	17	26	N	86	32	W	3960	2300	-5	STD
UN6703	057	67	05	13	17	26	N	86	32	W	3960	2300	-5	HYDRO-STD
UN6703	057	67	05	13	17	26	N	86	32	W	3960	2300	-5	ICITA NET
UN6703	058	67	05	14	17	15	N	86	55	W	3600	1100	-5	STD
UN6703	058	67	05	14	17	15	N	86	55	W	3600	1100	-5	HYDRO-STD
UN6703	058	67	05	14	17	15	N	86	55	W	3600	1100	-5	ICITA NET
UN6703	059	67	05	14	16	45	N	86	53	W	3600	1715	-5	STD
UN6703	059	67	05	14	16	45	N	86	53	W	3600	1715	-5	HYDRO-STD
UN6703	059	67	05	14	16	45	N	86	53	W	3600	1715	-5	PRODUCTIVITY
UN6703	059	67	05	14	16	45	N	86	53	W	3600	1715	-5	ICITA NET
UN6703	060	67	05	14	16	11	N	86	53	W	0990	2200	-5	STD
UN6703	060	67	05	14	16	11	N	86	53	W	0990	2200	-5	HYDRO-STD
UN6703	060	67	05	14	16	11	N	86	53	W	0990	2200	-5	ICITA NET
UN6703	061	67	05	15	16	04	N	86	60	W	0022	0100	-5	FISHING
UN6703	061	67	05	15	16	04	N	86	60	W	0022	0100	-5	NIGHT LIGHT
UN6703	062	67	05	15	16	08	N	87	15	W	0750	1115	-5	STD
UN6703	062	67	05	15	16	08	N	87	15	W	0750	1115	-5	HYDRO-STD
UN6703	062	67	05	15	16	08	N	87	15	W	0750	1115	-5	ICITA NET
UN6703	063	67	05	15	16	40	N	87	15	W	3250	1725	-5	STD
UN6703	063	67	05	15	16	40	N	87	15	W	3250	1725	-5	HYDRO-STD
UN6703	063	67	05	15	16	40	N	87	15	W	3250	1725	-5	PRODUCTIVITY
UN6703	063	67	05	15	16	40	N	87	15	W	3250	1725	-5	ICITA NET
UN6703	064	67	05	15	17	07	N	87	15	W		2300	-5	STD
UN6703	064	67	05	15	17	07	N	87	15	W		2300	-5	HYDRO-STD
UN6703	064	67	05	15	17	07	N	87	15	W		2300	-5	ICITA NET
UN6703	065	67	05	16	17	00	N	87	35	W	2700	1100	-5	STD
UN6703	065	67	05	16	17	00	N	87	35	W	2700	1100	-5	HYDRO-STD
UN6703	065	67	05	16	17	00	N	87	35	W	2700	1100	-5	ICITA NET
UN6703	066	67	05	16	16	27	N	87	34	W		1730	-5	STD
UN6703	066	67	05	16	16	27	N	87	34	W		1730	-5	HYDRO-STD
UN6703	066	67	05	16	16	27	N	87	34	W		1730	-5	PRODUCTIVITY
UN6703	066	67	05	16	16	27	N	87	34	W		1730	-5	ICITA NET
UN6703	067	67	05	16	16	30	N	87	53	W		2255	-5	STD
UN6703	067	67	05	16	16	30	N	87	53	W		2255	-5	HYDRO-STD
UN6703	067	67	05	16	16	30	N	87	53	W		2255	-5	ICITA NET
UN6703	068	67	05	17	17	00	N	87	56	W	0520	0300	-5	STD
UN6703	068	67	05	17	17	00	N	87	56	W	0520	0300	-5	HYDRO-STD
UN6703	068	67	05	17	17	00	N	87	56	W	0520	0300	-5	ICITA NET
UN6703	069	67	05	18	16	56	N	88	11	W	0022		-5	TRI NET
UN6703	070	67	05	18	16	50	N	88	13	W	0022	0300	-5	TRAWL
UN6703	071	67	05	18	17	02	N	88	11	W	0018	0400	-5	TRAWL
UN6703	072	67	05	18	17	12	N	88	11	W	0010	0855	-5	TRAWL
UN6703	073	67	05	18	16	45	N	88	14	W	0010	1455	-5	TRAWL
UN6703	074	67	05	18	16	48	N	88	12	W	SHAL	1800	-5	FISHING
UN6703	074	67	05	18	16	48	N	88	12	W	SHAL	1800	-5	REEF COLLECT

CRUISE	STA	YR	MO	DA	LAT	LONG	BDM	GMT Z	TYPE OBSERV
UN6703	075	67	05	19	17 24 N	88 10 W		0300-5	FISHING
UN6703	075	67	05	19	17 24 N	88 10 W		0300-5	NIGHT LIGHT
UN6703	076	67	05	19	16 35 N	87 56 W	0333	2250-5	TRAWL
UN6703	077	67	05	20	16 30 N	87 56 W	0315	0330-5	TRI NET
UN6703	078	67	05	20	16 28 N	87 58 W	VAR	0718-5	TRI NET
UN6703	079	67	05	21	19 24 N	87 23 W	0800	0145-5	NIGHT LIGHT
UN6703	080	67	05	21	19 18 N	87 24 W	0007	1400-5	FISHING
UN6703	080	67	05	21	19 18 N	87 24 W	0007	1400-5	REEF COLLECT
UN6703	081	67	05	22	19 48 N	87 30 W	0008	1600-5	FISHING
UN6703	082	67	05	23	20 37 N	86 51 W	0006	1400-5	FISHING

APPENDIX 1 (continued)

UNDAUNTED CRUISE 6704

June 12 to 15, 1967

OBSERVATION CODES

F	- Fishing station
MN	- Plankton net (1 m diameter)
NL	- Night light

UNDAUNTED CRUISE 6704
June 1967

STA	MO	DA	LATITUDE	LONGITUDE	GMT	OBSERVATION
1	6	12	25 46 N	80 05 W	1610	Drift bottles
2	6	12	25 45 N	79 19 W	0100	NL, F
3	6	14	24 48 N	79 58 W	0200	NL, Drift bottles
4	6	14	23 33 N	79 37 W	1100	F, Shore party
5	6	14	23 38 N	79 40 W	2145	F
6	6	14	23 41 N	79 34 W	2230	MN, Drift bottles
7	6	15	23 46 N	79 24 W	0005	MN, Drift bottles
8	6	15	23 41 N	79 14 W	0145	MN, Drift bottles

APPENDIX 1 (continued)

UNDAUNTED CRUISE 6801

February 14 to April 25, 1968

OBSERVATION CODES

BT	- Bathythermograph
HYDRO	- Hydrographic
ICITA NET	- Plankton net
SBT	- STD and BT
SHY	- STD and hydrographic

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0001	04 38 N	009 33 W	68	02	14	1645	00	0950	.	SBT
0001	04 38 N	009 33 W	68	02	14	1645	00	0950	.	FISHING TROLL
0002	01 21 S	005 55 E	68	02	18	1152	00	3000	29.2	SHY
0002	01 21 S	005 55 E	68	02	18	1152	00	3000	29.2	SBT
0002	01 21 S	005 55 E	68	02	18	1152	00	3000	29.2	ROSETTE SAMP
0002	01 21 S	005 55 E	68	02	18	1152	00	3000	29.2	DRIFT BOTTLE
0002	01 21 S	005 55 E	68	02	18	1152	00	3000	29.2	PRODUCTIVITY
0002	01 21 S	005 55 E	68	02	18	1152	00	3000	29.2	ICITA NET
0502	01 24 S	006 13 E	68	02	18	2055	00	3110	28.1	SBT
0003	01 36 S	006 38 E	68	02	19	0000	00	3110	28.0	SBT
0003	01 36 S	006 38 E	68	02	19	0000	00	3110	28.0	ICITA NET
0003	01 36 S	006 38 E	68	02	19	0000	00	3110	28.0	NIGHT LIGHT
0004	01 58 S	007 14 E	68	02	19	0630	00	3006	28.0	SHY
0004	01 58 S	007 14 E	68	02	19	0630	00	3006	28.0	SBT
0004	01 58 S	007 14 E	68	02	19	0630	00	3006	28.0	ROSETTE SAMP
0004	01 58 S	007 14 E	68	02	19	0630	00	3006	28.0	DRIFT BOTTLE
0004	01 58 S	007 14 E	68	02	19	0630	00	3006	28.0	ICITA NET
0504	01 58 S	007 29 E	68	02	19	0945	00	3006	28.4	SBT
0005	01 58 S	007 47 E	68	02	19	1140	00	2790	28.0	SHY
0005	01 58 S	007 47 E	68	02	19	1140	00	2790	28.0	SBT
0005	01 58 S	007 47 E	68	02	19	1140	00	2790	28.0	ROSETTE SAMP
0005	01 58 S	007 47 E	68	02	19	1140	00	2790	28.0	DRIFT BOTTLE
0005	01 58 S	007 47 E	68	02	19	1140	00	2790	28.0	PRODUCTIVITY
0005	01 58 S	007 47 E	68	02	19	1140	00	2790	28.0	ICITA NET
0505	02 00 S	008 19 E	68	02	19	1625	-1	2790	28.4	SBT
0006	01 59 S	008 41 E	68	02	19	1900	-1	0650	27.8	SHY
0006	01 59 S	008 41 E	68	02	19	1900	-1	0650	27.8	SBT
0006	01 59 S	008 41 E	68	02	19	1900	-1	0650	27.8	ROSETTE SAMP
0006	01 59 S	008 41 E	68	02	19	1900	-1	0650	27.8	DRIFT BOTTLE
0006	01 59 S	008 41 E	68	02	19	1900	-1	0650	27.8	ICITA NET
0006	01 59 S	008 41 E	68	02	19	1900	-1	0650	27.8	NIGHT LIGHT
0506	02 26 S	008 46 E	68	02	20	0530	-1	0750	27.4	SBT
0007	02 40 S	008 50 E	68	02	20	0745	-1	0756	28.1	SBT
0007	02 40 S	008 50 E	68	02	20	0745	-1	0756	28.1	FISHING TROLL
0507	02 48 S	008 51 E	68	02	20	0900	-1	0882	28.6	SBT
0008	03 15 S	008 57 E	68	02	20	1136	-1	1656	28.6	SHY
0008	03 15 S	008 57 E	68	02	20	1136	-1	1656	28.6	SBT
0008	03 15 S	008 57 E	68	02	20	1136	-1	1656	28.6	ROSETTE SAMP
0008	03 15 S	008 57 E	68	02	20	1136	-1	1656	28.6	DRIFT BOTTLE
0008	03 15 S	008 57 E	68	02	20	1136	-1	1656	28.6	PRODUCTIVITY
0008	03 15 S	008 57 E	68	02	20	1136	-1	1656	28.6	ICITA NET
0508	03 19 S	008 38 E	68	02	20	1445	-1	2016	28.7	SBT
0009	03 11 S	008 16 E	68	02	20	1700	-1	3400	28.6	SHY
0009	03 11 S	008 16 E	68	02	20	1700	-1	3400	28.6	SBT
0009	03 11 S	008 16 E	68	02	20	1700	-1	3400	28.6	ROSETTE SAMP
0009	03 11 S	008 16 E	68	02	20	1700	-1	3400	28.6	DRIFT BOTTLE
0009	03 11 S	008 16 E	68	02	20	1700	-1	3400	28.6	ICITA NET
0509	03 50 S	008 53 E	68	02	21	0015	-1	3044	27.7	SBT
0010	04 24 S	009 28 E	68	02	21	0530	-1	3294	27.7	SHY
0010	04 24 S	009 28 E	68	02	21	0530	-1	3294	27.7	SBT
0010	04 24 S	009 28 E	68	02	21	0530	-1	3294	27.7	ROSETTE SAMP
0010	04 24 S	009 28 E	68	02	21	0530	-1	3294	27.7	DRIFT BOTTLE
0010	04 24 S	009 28 E	68	02	21	0530	-1	3294	27.7	ICITA NET
0010	04 24 S	009 28 E	68	02	21	0530				FISHING TROLL
0011	04 49 S	009 45 E	68	02	21	0930				SBT

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0011	04 49 S	009 45 E	68	02	21	0930	-1	2970	28.5	FISHING TROLL
0012	04 20 S	010 05 E	68	02	21	1125	-1	2664	29.3	SHY
0012	04 20 S	010 05 E	68	02	21	1125	-1	2664	29.3	SBT
0012	04 20 S	010 05 E	68	02	21	1125	-1	2664	29.3	SBT
0012	04 20 S	010 05 E	68	02	21	1125	-1	2664	29.3	ROSETTE SAMP
0012	04 20 S	010 05 E	68	02	21	1125	-1	2664	29.3	DRIFT BOTTLE
0012	04 20 S	010 05 E	68	02	21	1125	-1	2664	29.3	PRODUCTIVITY
0012	04 20 S	010 05 E	68	02	21	1125	-1	2664	29.3	ICITA NET
0012	04 20 S	010 05 E	68	02	21	1125	-1	2664	29.3	FISHING TROLL
0013	04 19 S	010 10 E	68	02	21	1550	-1	1836	28.7	SBT
0013	04 19 S	010 10 E	68	02	21	1550	-1	1836	28.7	FISHING TROLL
0014	04 20 S	010 26 E	68	02	21	1600	-1	1080	28.4	SHY
0014	04 20 S	010 26 E	68	02	21	1600	-1	1080	28.4	SBT
0014	04 20 S	010 26 E	68	02	21	1600	-1	1080	28.4	ICITA NET
0014	04 20 S	010 26 E	68	02	21	1600	-1	1080	28.4	FISHING TROLL
0015	04 39 S	010 43 E	68	02	21	2300	-1	1278	28.5	SBT
0015	04 39 S	010 43 E	68	02	21	2300	-1	1278	28.5	ICITA NET
0016	05 25 S	011 22 E	68	02	22	0530	-1	0630	27.4	SHY
0016	05 25 S	011 22 E	68	02	22	0530	-1	0630	27.4	SBT
0016	05 25 S	011 22 E	68	02	22	0530	-1	0630	27.4	DRIFT BOTTLE
0016	05 25 S	011 22 E	68	02	22	0530	-1	0630	27.4	ICITA NET
0017	05 24 S	011 16 E	68	02	22	0800	-1	1224	27.9	SBT
0017	05 24 S	011 16 E	68	02	22	0800	-1	1224	27.9	FISHING TROLL
0018	05 22 S	010 54 E	68	02	22	1030	-1	1638	28.8	SHY
0018	05 22 S	010 54 E	68	02	22	1030	-1	1638	28.8	SBT
0018	05 22 S	010 54 E	68	02	22	1030	-1	1638	28.8	DRIFT BOTTLE
0018	05 22 S	010 54 E	68	02	22	1030	-1	1638	28.8	PRODUCTIVITY
0018	05 22 S	010 54 E	68	02	22	1030	-1	1638	28.8	ICITA NET
0019	05 23 S	010 47 E	68	02	22	1300	-1		.	FISHING TROLL
0020	05 25 S	010 43 E	68	02	22	1320	-1	2000	.	FISHING TROLL
0021	05 30 S	010 37 E	68	02	22	1410	-1	1980	28.7	SBT
0021	05 30 S	010 37 E	68	02	22	1410	-1	1980	28.7	FISHING TROLL
0022	05 37 S	010 18 E	68	02	22	1700	-1	2430	28.8	SHY
0022	05 37 S	010 18 E	68	02	22	1700	-1	2430	28.8	SBT
0022	05 37 S	010 18 E	68	02	22	1700	-1	2430	28.8	ICITA NET
0022	05 37 S	010 18 E	68	02	22	1700	-1	2430	28.8	FISHING TROLL
0023	06 16 S	010 37 E	68	02	23	2300	-1	1854	28.7	SBT
0023	06 16 S	010 37 E	68	02	23	2300	-1	1854	28.7	ICITA NET
0023	06 16 S	010 37 E	68	02	23	2300	-1	1854	28.7	NIGHT LIGHT
0024	07 03 S	010 52 E	68	02	23	0530	-1	1836	28.5	SHY
0024	07 03 S	010 52 E	68	02	23	0530	-1	1836	28.5	SBT
0024	07 03 S	010 52 E	68	02	23	0530	-1	1836	28.5	DRIFT BOTTLE
0024	07 03 S	010 52 E	68	02	23	0530	-1	1836	28.5	ICITA NET
0025	07 02 S	010 58 E	68	02	23	0820	-1		.	FISHING TROLL
0525	07 01 S	011 12 E	68	02	23	0910	-1	1656	28.7	SBT
0026	07 18 S	011 28 E	68	02	23	1115	-1	1296	29.4	SHY
0026	07 18 S	011 28 E	68	02	23	1115	-1	1296	29.4	SBT
0026	07 18 S	011 28 E	68	02	23	1115	-1	1296	29.4	DRIFT BOTTLE
0026	07 18 S	011 28 E	68	02	23	1115	-1	1296	29.4	PRODUCTIVITY
0026	07 18 S	011 28 E	68	02	23	1115	-1	1296	29.4	ICITA NET
0026	07 18 S	011 28 E	68	02	23	1115	-1	1296	29.4	FISHING TROLL
0526	07 10 S	011 44 E	68	02	23	1450	-1	0774	30.4	SBT
0027	07 08 S	011 47 E	68	02	23	1630	-1		.	FISHING TROLL
0028	07 00 S	012 03 E	68	02	23	1650				SBT
0028	07 00 S	012 03 E	68	02	23	1650				ICITA NET

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0029	07 45 S	012 30 E	68	02	23	2300	-1	0918	28.8	SBT
0029	07 45 S	012 30 E	68	02	23	2300	-1	0918	28.8	ICITA NET
0029	07 45 S	012 30 E	68	02	23	2300	-1	0918	28.8	NIGHT LIGHT
0030	08 24 S	012 48 E	68	02	24	0531	-1	0360	28.2	SHY
0030	08 24 S	012 48 E	68	02	24	0531	-1	0360	28.2	SBT
0030	08 24 S	012 48 E	68	02	24	0531	-1	0360	28.2	DRIFT BOTTLE
0030	08 24 S	012 48 E	68	02	24	0531	-1	0360	28.2	ICITA NET
0030	08 24 S	012 48 E	68	02	24	0531	-1	0360	28.2	FISHING TROLL
0031	08 25 S	012 46 E	68	02	24	0730	-1		.	FISHING TROLL
0032	08 26 S	012 43 E	68	02	24	0815	-1		.	FISHING TROLL
0032	08 27 S	012 35 E	68	02	24	0910	-1	1152	28.3	SBT
0033	08 31 S	012 17 E	68	02	24	1115	-1	1818	29.0	SHY
0033	08 31 S	012 17 E	68	02	24	1115	-1	1818	29.0	SBT
0033	08 31 S	012 17 E	68	02	24	1115	-1	1818	29.0	DRIFT BOTTLE
0033	08 31 S	012 17 E	68	02	24	1115	-1	1818	29.0	PRODUCTIVITY
0033	08 31 S	012 17 E	68	02	24	1115	-1	1818	29.0	ICITA NET
0033	08 25 S	011 57 E	68	02	24	1407	-1	1962	29.6	SBT
0034	08 20 S	011 45 E	68	02	24	1540	-1		.	FISHING TROLL
0035	08 18 S	011 38 E	68	02	24	1705	-1	2124	30.0	SHY
0035	08 18 S	011 38 E	68	02	24	1705	-1	2124	30.0	SBT
0035	08 18 S	011 38 E	68	02	24	1705	-1	2124	30.0	DRIFT BOTTLE
0035	08 18 S	011 38 E	68	02	24	1705	-1	2124	30.0	ICITA NET
0036	08 52 S	011 38 E	68	02	24	2230	-1	2196	29.3	SBT
0036	08 52 S	011 38 E	68	02	24	2230	-1	2196	29.3	ICITA NET
0036	08 52 S	011 38 E	68	02	24	2230	-1	2196	29.3	NIGHT LIGHT
0037	09 48 S	011 36 E	68	02	25	0530	-1	1980	28.9	SHY
0037	09 48 S	011 36 E	68	02	25	0530	-1	1980	28.9	SBT
0037	09 48 S	011 36 E	68	02	25	0530	-1	1980	28.9	DRIFT BOTTLE
0037	09 48 S	011 36 E	68	02	25	0530	-1	1980	28.9	ICITA NET
0037	09 49 S	011 38 E	68	02	25	0905	-1	1980	29.3	SBT
0038	09 46 S	012 18 E	68	02	25	1100	-1	1836	29.6	SHY
0038	09 46 S	012 18 E	68	02	25	1100	-1	1836	29.6	SBT
0038	09 46 S	012 18 E	68	02	25	1100	-1	1836	29.6	DRIFT BOTTLE
0038	09 46 S	012 18 E	68	02	25	1100	-1	1836	29.6	ICITA NET
0039	09 49 S	012 33 E	68	02	25	1420	-1	0900	30.2	SBT
0039	09 49 S	012 33 E	68	02	25	1420	-1	0900	30.2	FISHING TROLL
0040	09 45 S	012 42 E	68	02	25	1615	-1		.	FISHING TROLL
0041	09 48 S	012 39 E	68	02	25	1730	-1	0720	29.4	SHY
0041	09 48 S	012 39 E	68	02	25	1730	-1	0720	29.4	SBT
0041	09 48 S	012 39 E	68	02	25	1730	-1	0720	29.4	DRIFT BOTTLE
0041	09 48 S	012 39 E	68	02	25	1730	-1	0720	29.4	ICITA NET
0041	09 48 S	012 39 E	68	02	25	1730	-1	0720	29.4	FISHING TROLL
0041	09 48 S	012 39 E	68	02	25	1730	-1	0720	29.4	NIGHT LIGHT
0042	08 42 S	013 06 E	68	03	01	0820	-1	0130	28.1	FISHING TROLL
0043	09 30 S	013 03 E	68	03	01	1200	-1	0030	.	FISHING TROLL
0044	09 39 S	013 11 E	68	03	02	0000	-1	0010	29.2	BAITING
0045	09 40 S	013 02 E	68	03	03	0740	-1	0150	.	FISHING TROLL
0046	09 45 S	012 46 E	68	03	03	1000	-1	0350	.	FISHING TROLL
0047	10 26 S	012 56 E	68	03	03	1530	-1	0540	.	FISHING TROLL
0048	10 39 S	012 40 E	68	03	03	1728	-1	0864	.	FISHING TROLL
0049	16 58 S	011 19 E	68	03	05	0618	-1	0522	.	FISHING TROLL
0050	16 50 S	011 30 E	68	03	05	0830	-1		23.8	FISHING TROLL
0051	16 33 S	011 45 E	68	03	05	1200	-1	0020	.	NIGHT LIGHT
0052	16 26 S	011 40 E	68	03	07	0850				FISHING TROLL
0053	16 26 S	011 26 E	68	03	07	0950				FISHING TROLL

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0054	16 29 S	010 41 E	68	03	08	0500	-1	2664	.	SHY
0054	16 29 S	010 41 E	68	03	08	0500	-1	2664	.	SBT
0054	16 29 S	010 41 E	68	03	08	0500	-1	2664	.	DRIFT BOTTLE
0054	16 29 S	010 41 E	68	03	08	0500	-1	2664	.	ICITA NET
0055	16 29 S	010 44 E	68	03	08	0755	-1	2664	.	FISHING TROLL
0555	16 29 S	011 02 E	68	03	08	0905	-1	2484	.	SBT
0056	16 29 S	011 18 E	68	03	08	1115	-1	1260	.	SHY
0056	16 29 S	011 18 E	68	03	08	1115	-1	1260	.	SBT
0056	16 29 S	011 18 E	68	03	08	1115	-1	1260	.	DRIFT BOTTLE
0056	16 29 S	011 18 E	68	03	08	1115	-1	1260	.	PRODUCTIVITY
0057	15 00 S	011 59 E	68	03	09	0500	-1	0990	.	SHY
0057	15 00 S	011 59 E	68	03	09	0500	-1	0990	.	SBT
0057	15 00 S	011 59 E	68	03	09	0500	-1	0990	.	DRIFT BOTTLE
0057	15 00 S	011 59 E	68	03	09	0500	-1	0990	.	ICITA NET
0058	15 03 S	011 30 E	68	03	09	0900	-1	2160	.	SBT
0058	15 03 S	011 30 E	68	03	09	0900	-1	2160	.	ICITA NET
0058	15 03 S	011 30 E	68	03	09	0900	-1	2160	.	FISHING TROLL
0059	15 04 S	011 14 E	68	03	09	1117	-1	2538	.	SHY
0059	15 04 S	011 14 E	68	03	09	1117	-1	2538	.	SBT
0059	15 04 S	011 14 E	68	03	09	1117	-1	2538	.	DRIFT BOTTLE
0059	15 04 S	011 14 E	68	03	09	1117	-1	2538	.	PRODUCTIVITY
0059	15 04 S	011 14 E	68	03	09	1117	-1	2538	.	ICITA NET
0559	15 00 S	010 42 E	68	03	09	1445	-1	3078	.	SBT
0060	15 00 S	010 23 E	68	03	09	1700	-1	3384	.	SHY
0060	15 00 S	010 23 E	68	03	09	1700	-1	3384	.	SBT
0060	15 00 S	010 23 E	68	03	09	1700	-1	3384	.	DRIFT BOTTLE
0060	15 00 S	010 23 E	68	03	09	1700	-1	3384	.	ICITA NET
0560	15 00 S	009 59 E	68	03	09	2029	-1	2300	.	SBT
0061	15 00 S	009 35 E	68	03	10	2258	-1	3600	24.6	SHY
0061	15 00 S	009 35 E	68	03	10	2258	-1	3600	24.6	SBT
0061	15 00 S	009 35 E	68	03	10	2258	-1	3600	24.6	DRIFT BOTTLE
0061	15 00 S	009 35 E	68	03	10	2258	-1	3600	24.6	ICITA NET
0062	15 35 S	009 41 E	68	03	10	0500	-1	3870	.	SHY
0062	15 35 S	009 41 E	68	03	10	0500	-1	3870	.	SBT
0062	15 35 S	009 41 E	68	03	10	0500	-1	3870	.	DRIFT BOTTLE
0062	15 35 S	009 41 E	68	03	10	0500	-1	3870	.	ICITA NET
0562	15 36 S	010 08 E	68	03	10	0840	-1	3278	.	SBT
0063	15 37 S	010 38 E	68	03	10	1115	-1	3240	.	SHY
0063	15 37 S	010 38 E	68	03	10	1115	-1	3240	.	SBT
0063	15 37 S	010 38 E	68	03	10	1115	-1	3240	.	DRIFT BOTTLE
0063	15 37 S	010 38 E	68	03	10	1115	-1	3240	.	PRODUCTIVITY
0063	15 37 S	010 38 E	68	03	10	1115	-1	3240	.	ICITA NET
0064	15 36 S	010 48 E	68	03	10	1400	-1	3024	.	SBT
0064	15 36 S	010 48 E	68	03	10	1400	-1	3024	.	ICITA NET
0064	15 36 S	010 48 E	68	03	10	1400	-1	3024	.	FISHING TROLL
0065	15 33 S	011 13 E	68	03	10	1700	-1	2430	24.4	SHY
0065	15 33 S	011 13 E	68	03	10	1700	-1	2430	24.4	SBT
0065	15 33 S	011 13 E	68	03	10	1700	-1	2430	24.4	DRIFT BOTTLE
0065	15 33 S	011 13 E	68	03	10	1700	-1	2430	24.4	ICITA NET
0565	15 33 S	011 24 E	68	03	10	2030	-1	1890	26.0	SBT
0066	15 30 S	011 38 E	68	03	10	2300	-1	1170	26.7	SHY
0066	15 30 S	011 38 E	68	03	10	2300	-1	1170	26.7	SBT
0066	15 30 S	011 38 E	68	03	10	2300	-1	1170	26.7	ICITA NET
0067	15 56 S	011 32 E	68	03	11	0500				SHY
0067	15 56 S	011 32 E	68	03	11	0500				SBT

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0067	15 56 S	011 32 E	68	03	11	0500	-1	0810	.	DRIFT BOTTLE
0067	15 56 S	011 32 E	68	03	11	0500	-1	0810	.	ICITA NET
0067	15 58 S	011 05 E	68	03	11	0828	-1	2340	.	SBT
0068	15 59 S	010 56 E	68	03	11	0938	-1	2772	22.8	SBT
0068	15 59 S	010 56 E	68	03	11	0938	-1	2772	22.8	ICITA NET
0068	15 59 S	010 56 E	68	03	11	0938	-1	2772	22.8	FISH LVE BAIT
0069	15 59 S	010 46 E	68	03	11	1115	-1	2790	.	SHY
0069	15 59 S	010 46 E	68	03	11	1115	-1	2790	.	SBT
0069	15 59 S	010 46 E	68	03	11	1115	-1	2790	.	DRIFT BOTTLE
0069	15 59 S	010 46 E	68	03	11	1115	-1	2790	.	PRODUCTIVITY
0069	15 59 S	010 46 E	68	03	11	1115	-1	2790	.	ICITA NET
0069	16 00 S	010 24 E	68	03	11	1500	-1	3510	.	SBT
0070	15 57 S	010 04 E	68	03	11	1700	-1	3690	22.8	SHY
0070	15 57 S	010 04 E	68	03	11	1700	-1	3690	22.8	SBT
0070	15 57 S	010 04 E	68	03	11	1700	-1	3690	22.8	DRIFT BOTTLE
0070	15 57 S	010 04 E	68	03	11	1700	-1	3690	22.8	ICITA NET
0070	15 58 S	009 39 E	68	03	11	2030	-1		22.9	SBT
0071	16 00 S	009 16 E	68	03	11	2300	-1	2420	24.0	SHY
0071	16 00 S	009 16 E	68	03	11	2300	-1	2420	24.0	SBT
0071	16 00 S	009 16 E	68	03	11	2300	-1	2420	24.0	DRIFT BOTTLE
0071	16 00 S	009 16 E	68	03	11	2300	-1	2420	24.0	ICITA NET
0072	16 26 S	009 16 E	68	03	12	0500	-1	4050	.	SHY
0072	16 26 S	009 16 E	68	03	12	0500	-1	4050	.	SBT
0072	16 26 S	009 16 E	68	03	12	0500	-1	4050	.	DRIFT BOTTLE
0072	16 26 S	009 16 E	68	03	12	0500	-1	4050	.	ICITA NET
0072	16 28 S	009 42 E	68	03	12	0835	-1	3940	.	SBT
0073	16 28 S	010 07 E	68	03	12	1120	-1	3492	.	SHY
0073	16 28 S	010 07 E	68	03	12	1120	-1	3492	.	SBT
0073	16 28 S	010 07 E	68	03	12	1120	-1	3492	.	DRIFT BOTTLE
0073	16 28 S	010 07 E	68	03	12	1120	-1	3492	.	PRODUCTIVITY
0073	16 28 S	010 07 E	68	03	12	1120	-1	3492	.	ICITA NET
0073	16 30 S	010 28 E	68	03	12	1505	-1	3134	.	SBT
0074	16 30 S	010 43 E	68	03	12	1700	-1	2790	25.3	SHY
0074	16 30 S	010 43 E	68	03	12	1700	-1	2790	25.3	SBT
0074	16 30 S	010 43 E	68	03	12	1700	-1	2790	25.3	DRIFT BOTTLE
0074	16 30 S	010 43 E	68	03	12	1700	-1	2790	25.3	ICITA NET
0074	16 30 S	011 04 E	68	03	12	2000	-1	2034	26.5	SBT
0075	16 30 S	011 21 E	68	03	12	2155	-1	0110	26.0	SBT
0075	16 30 S	011 21 E	68	03	12	2155	-1	0110	26.0	DRIFT BOTTLE
0075	16 30 S	011 21 E	68	03	12	2155	-1	0110	26.0	ICITA NET
0075	16 45 S	011 28 E	68	03	13	0055	-1	0110	21.2	SBT
0076	17 02 S	011 01 E	68	03	13	0500	-1	1620	.	SHY
0076	17 02 S	011 01 E	68	03	13	0500	-1	1620	.	SBT
0076	17 02 S	011 01 E	68	03	13	0500	-1	1620	.	DRIFT BOTTLE
0076	17 02 S	011 01 E	68	03	13	0500	-1	1620	.	ICITA NET
0077	17 03 S	010 23 E	68	03	13	0855	-1	2808	25.6	SBT
0077	17 03 S	010 23 E	68	03	13	0855	-1	2808	25.6	ICITA NET
0077	17 03 S	010 23 E	68	03	13	0855	-1	2808	25.6	FISH LVE BAIT
0078	17 04 S	010 11 E	68	03	13	1120	-1	3438	.	SHY
0078	17 04 S	010 11 E	68	03	13	1120	-1	3438	.	SBT
0078	17 04 S	010 11 E	68	03	13	1120	-1	3438	.	DRIFT BOTTLE
0078	17 04 S	010 11 E	68	03	13	1120	-1	3438	.	PRODUCTIVITY
0078	17 04 S	010 11 E	68	03	13	1120	-1	3438	.	ICITA NET
0078	17 03 S	009 48 E	68	03	13	1450				SBT
0079	17 03 S	009 27 E	68	03	13	1700				SHY

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0079	17 03 S	009 27 E	68	03	13	1700	-1	4050	22.7	SBT
0079	17 03 S	009 27 E	68	03	13	1700	-1	4050	22.7	DRIFT BOTTLE
0079	17 03 S	009 27 E	68	03	13	1700	-1	4050	22.7	ICITA NET
0579	17 02 S	009 12 E	68	03	13	2030	-1	4212	22.5	SBT
0080	17 00 S	009 00 E	68	03	13	2300	-1	4320	22.5	SHY
0080	17 00 S	009 00 E	68	03	13	2300	-1	4320	22.5	SBT
0080	17 00 S	009 00 E	68	03	13	2300	-1	4320	22.5	DRIFT BOTTLE
0080	17 00 S	009 00 E	68	03	13	2300	-1	4320	22.5	ICITA NET
0081	17 27 S	008 59 E	68	03	14	0500	-1	4140	.	SHY
0081	17 27 S	008 59 E	68	03	14	0500	-1	4140	.	SBT
0081	17 27 S	008 59 E	68	03	14	0500	-1	4140	.	DRIFT BOTTLE
0081	17 27 S	008 59 E	68	03	14	0500	-1	4140	.	ICITA NET
0581	17 29 S	009 25 E	68	03	14	0835	-1	3960	23.7	SBT
0082	17 31 S	009 54 E	68	03	14	1115	-1	3798	.	SHY
0082	17 31 S	009 54 E	68	03	14	1115	-1	3798	.	SBT
0082	17 31 S	009 54 E	68	03	14	1115	-1	3798	.	DRIFT BOTTLE
0082	17 31 S	009 54 E	68	03	14	1115	-1	3798	.	PRODUCTIVITY
0082	17 31 S	009 54 E	68	03	14	1115	-1	3798	.	ICITA NET
0582	17 30 S	010 15 E	68	03	14	1442	-1	3600	.	SBT
0083	17 30 S	010 39 E	68	03	14	1700	-1	4710	25.5	SHY
0083	17 30 S	010 39 E	68	03	14	1700	-1	4710	25.5	SBT
0083	17 30 S	010 39 E	68	03	14	1700	-1	4710	25.5	DRIFT BOTTLE
0083	17 30 S	010 39 E	68	03	14	1700	-1	4710	25.5	ICITA NET
0583	17 30 S	011 00 E	68	03	14	2045	-1	2610	25.2	SBT
0084	17 30 S	011 13 E	68	03	14	2300	-1	0990	22.5	SHY
0084	17 30 S	011 13 E	68	03	14	2300	-1	0990	22.5	SBT
0084	17 30 S	011 13 E	68	03	14	2300	-1	0990	22.5	DRIFT BOTTLE
0084	17 30 S	011 13 E	68	03	14	2300	-1	0990	22.5	ICITA NET
0085	17 58 S	011 13 E	68	03	15	0500	-1	1458	.	SHY
0085	17 58 S	011 13 E	68	03	15	0500	-1	1458	.	SBT
0085	17 58 S	011 13 E	68	03	15	0500	-1	1458	.	DRIFT BOTTLE
0085	17 58 S	011 13 E	68	03	15	0500	-1	1458	.	ICITA NET
0086	17 58 S	011 07 E	68	03	15	0710	-1	2430	.	SBT
0086	17 58 S	011 07 E	68	03	15	0710	-1	2430	.	ICITA NET
0086	17 58 S	011 07 E	68	03	15	0710	-1	2430	.	FISH LVE BAIT
0586	17 59 S	010 47 E	68	03	15	0900	-1	3060	23.1	SBT
0087	18 00 S	010 22 E	68	03	15	1120	-1	3600	.	SHY
0087	18 00 S	010 22 E	68	03	15	1120	-1	3600	.	SBT
0087	18 00 S	010 22 E	68	03	15	1120	-1	3600	.	DRIFT BOTTLE
0087	18 00 S	010 22 E	68	03	15	1120	-1	3600	.	PRODUCTIVITY
0087	18 00 S	010 22 E	68	03	15	1120	-1	3600	.	ICITA NET
0587	17 58 S	010 10 E	68	03	15	1455	-1	3744	21.8	SBT
0088	17 57 S	009 49 E	68	03	15	1700	-1	4050	22.0	SHY
0088	17 57 S	009 49 E	68	03	15	1700	-1	4050	22.0	SBT
0088	17 57 S	009 49 E	68	03	15	1700	-1	4050	22.0	DRIFT BOTTLE
0088	17 57 S	009 49 E	68	03	15	1700	-1	4050	22.0	ICITA NET
0089	18 24 S	009 48 E	68	03	15	2300	-1	4050	21.9	SHY
0089	18 24 S	009 48 E	68	03	15	2300	-1	4050	21.9	SBT
0089	18 24 S	009 48 E	68	03	15	2300	-1	4050	21.9	DRIFT BOTTLE
0089	18 24 S	009 48 E	68	03	15	2300	-1	4050	21.9	ICITA NET
0589	18 24 S	010 10 E	68	03	16	0235	-1	3870	21.5	SBT
0090	18 24 S	010 32 E	68	03	16	0500	-1	3420	21.3	SHY
0090	18 24 S	010 32 E	68	03	16	0500	-1	3420	21.3	SBT
0090	18 24 S	010 32 E	68	03	16	0500				DRIFT BOTTLE
0090	18 24 S	010 32 E	68	03	16	0500			.	ICITA NET

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0590	18 27 S	010 56 E	68	03	16	0850	-1	2070	.	SBT
0091	18 29 S	011 20 E	68	03	16	1110	-1	0888	22.4	SHY
0091	18 29 S	011 20 E	68	03	16	1110	-1	0888	22.4	SBT
0091	18 29 S	011 20 E	68	03	16	1110	-1	0888	22.4	DRIFT BOTTLE
0091	18 29 S	011 20 E	68	03	16	1110	-1	0888	22.4	PRODUCTIVITY
0091	18 29 S	011 20 E	68	03	16	1110	-1	0888	22.4	ICITA NET
0092	16 33 S	011 46 E	68	03	18	0640	-1	0020	23.2	FISHING TRAWL
0093	16 20 S	011 42 E	68	03	18	0900	-1	0050	23.8	FISHING TRAWL
0094	16 27 S	011 35 E	68	03	18	1115	-1		24.7	FISHING TRAWL
0095	16 37 S	011 22 E	68	03	18	1405	-1	0126	25.1	FISHING TRAWL
0096	16 41 S	011 21 E	68	03	18	1530	-1	0162	25.1	FISHING TRAWL
0097	15 15 S	012 02 E	68	03	23	1010	-1	0018	27.5	FISHING TRAWL
0098	15 14 S	012 01 E	68	03	23	1050	-1	0054	27.9	FISHING TRAWL
0099	15 17 S	011 57 E	68	03	23	1250	-1	0090	28.4	FISHING TRAWL
0100	17 02 S	011 38 E	68	03	24	0100	-1	0072	24.3	NIGHT LIGHT
0101	17 01 S	011 31 E	68	03	24	0647	-1	0018	24.3	FISHING TRAWL
0102	17 02 S	011 40 E	68	03	24	0810	-1	0054	24.2	FISHING TRAWL
0103	17 06 S	011 35 E	68	03	24	0949	-1	0090	24.9	FISHING TRAWL
0104	17 09 S	011 30 E	68	03	24	1247	-1	0126	26.4	FISHING TRAWL
0105	17 13 S	011 27 E	68	03	24	1455	-1	0155	27.1	FISHING TRAWL
0106	17 18 S	011 24 E	68	03	24	1640	-1	0225	26.5	FISHING TRAWL
0107	17 23 S	011 20 E	68	03	24	1915	-1	0359	26.5	FISHING TRAWL
0108	12 20 S	013 34 E	68	04	10	1700	-1	0006	.	BAITING
0109	10 39 S	013 08 E	68	04	11	2130	-1	0540	29.8	FISHING TRAWL
0110	10 35 S	013 09 E	68	04	12	0125	-1	0361	29.6	FISHING TRAWL
0111	10 36 S	013 12 E	68	04	12	0320	-1	0361	.	FISHING TRAWL
0112	02 31 S	008 11 E	68	04	14	0500	-1	2520	.	SHY
0112	02 31 S	008 11 E	68	04	14	0500	-1	2520	.	SBT
0112	02 31 S	008 11 E	68	04	14	0500	-1	2520	.	ROSETTE SAMP
0112	02 31 S	008 11 E	68	04	14	0500	-1	2520	.	DRIFT BOTTLE
0112	02 31 S	008 11 E	68	04	14	0500	-1	2520	.	ICITA NET
0612	02 05 S	008 24 E	68	04	14	0920	-1	1764	28.9	SBT
0113	01 52 S	008 21 E	68	04	14	1120	-1	1800	.	SHY
0113	01 52 S	008 21 E	68	04	14	1120	-1	1800	.	SBT
0113	01 52 S	008 21 E	68	04	14	1120	-1	1800	.	ROSETTE SAMP
0113	01 52 S	008 21 E	68	04	14	1120	-1	1800	.	DRIFT BOTTLE
0113	01 52 S	008 21 E	68	04	14	1120	-1	1800	.	PRODUCTIVITY
0113	01 52 S	008 21 E	68	04	14	1120	-1	1800	.	ICITA NET
0613	01 49 S	008 32 E	68	04	14	1505	-1	1440	28.8	SBT
0114	01 45 S	008 40 E	68	04	14	1623	-1	0576	28.8	SHY
0114	01 45 S	008 40 E	68	04	14	1623	-1	0576	28.8	SBT
0114	01 45 S	008 40 E	68	04	14	1623	-1	0576	28.8	ROSETTE SAMP
0114	01 45 S	008 40 E	68	04	14	1623	-1	0576	28.8	DRIFT BOTTLE
0114	01 45 S	008 40 E	68	04	14	1623	-1	0576	28.8	ICITA NET
0614	01 34 S	008 37 E	68	04	14	1920	-1	0090	28.6	SBT
0115	01 24 S	008 35 E	68	04	14	2030	-1	0090	28.8	ICITA NET
0115	01 24 S	008 35 E	68	04	14	2030	-1	0090	28.8	NIGHT LIGHT
0116	01 00 S	008 26 E	68	04	15	0517	-1	0800	.	SHY
0116	01 00 S	008 26 E	68	04	15	0517	-1	0800	.	SBT
0116	01 00 S	008 26 E	68	04	15	0517	-1	0800	.	ROSETTE SAMP
0116	01 00 S	008 26 E	68	04	15	0517	-1	0800	.	DRIFT BOTTLE
0116	01 00 S	008 26 E	68	04	15	0517	-1	0800	.	ICITA NET
0116	01 00 S	008 26 E	68	04	15	0517	-1	0800	.	NEUSTON NET
0116	01 00 S	008 26 E	68	04	15	0517				FISHING TROLL
0117	01 10 S	008 20 E	68	04	15	1000				SBT

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0117	01 10 S	008 20 E	68	04	15	1000	-1	1242	29.7	ICITA NET
0117	01 10 S	008 20 E	68	04	15	1000	-1	1242	29.7	FISHING TROLL
0118	01 19 S	008 10 E	68	04	15	1120	-1	1449	.	SHY
0118	01 19 S	008 10 E	68	04	15	1120	-1	1449	.	SBT
0118	01 19 S	008 10 E	68	04	15	1120	-1	1449	.	ROSETTE SAMP
0118	01 19 S	008 10 E	68	04	15	1120	-1	1449	.	DRIFT BOTTLE
0118	01 19 S	008 10 E	68	04	15	1120	-1	1449	.	PRODUCTIVITY
0118	01 19 S	008 10 E	68	04	15	1120	-1	1449	.	ICITA NET
0618	01 10 S	007 47 E	68	04	15	1525	-1	2268	29.5	SBT
0119	01 01 S	007 19 E	68	04	15	1830	-1	2960	29.1	SHY
0119	01 01 S	007 19 E	68	04	15	1830	-1	2960	29.1	SBT
0119	01 01 S	007 19 E	68	04	15	1830	-1	2960	29.1	ROSETTE SAMP
0119	01 01 S	007 19 E	68	04	15	1830	-1	2960	29.1	DRIFT BOTTLE
0119	01 01 S	007 19 E	68	04	15	1830	-1	2960	29.1	ICITA NET
0120	00 36 S	007 24 E	68	04	15	2210	-1	2538	28.8	SBT
0120	00 36 S	007 24 E	68	04	15	2210	-1	2538	28.8	ICITA NET
0120	00 36 S	007 24 E	68	04	15	2210	-1	2538	28.8	NIGHT LIGHT
0121	00 15 S	007 22 E	68	04	16	0500	-1	2520	.	SHY
0121	00 15 S	007 22 E	68	04	16	0500	-1	2520	.	SBT
0121	00 15 S	007 22 E	68	04	16	0500	-1	2520	.	ROSETTE SAMP
0121	00 15 S	007 22 E	68	04	16	0500	-1	2520	.	DRIFT BOTTLE
0121	00 15 S	007 22 E	68	04	16	0500	-1	2520	.	ICITA NET
0621	00 17 S	007 39 E	68	04	16	0815	-1	2340	28.7	SBT
0122	00 17 S	007 56 E	68	04	16	1000	-1	2178	28.9	SBT
0122	00 17 S	007 56 E	68	04	16	1000	-1	2178	28.9	ICITA NET
0122	00 17 S	007 56 E	68	04	16	1000	-1	2178	28.9	FISH LVE BAIT
0123	00 19 S	008 02 E	68	04	16	1115	-1	2070	.	SHY
0123	00 19 S	008 02 E	68	04	16	1115	-1	2070	.	SBT
0123	00 19 S	008 02 E	68	04	16	1115	-1	2070	.	ROSETTE SAMP
0123	00 19 S	008 02 E	68	04	16	1115	-1	2070	.	DRIFT BOTTLE
0123	00 19 S	008 02 E	68	04	16	1115	-1	2070	.	PRODUCTIVITY
0123	00 19 S	008 02 E	68	04	16	1115	-1	2070	.	ICITA NET
0123	00 19 S	008 02 E	68	04	16	1115	-1	2070	.	FISHING TROLL
0124	00 13 S	008 22 E	68	04	16	1440	-1	1728	29.2	SBT
0124	00 13 S	008 22 E	68	04	16	1440	-1	1728	29.2	ICITA NET
0124	00 13 S	008 22 E	68	04	16	1440	-1	1728	29.2	FISH LVE BAIT
0125	00 12 S	008 26 E	68	04	16	1545	-1	1728	.	FISH LVE BAIT
0126	00 11 S	008 39 E	68	04	16	1710	-1	1080	28.8	SHY
0126	00 11 S	008 39 E	68	04	16	1710	-1	1080	28.8	SBT
0126	00 11 S	008 39 E	68	04	16	1710	-1	1080	28.8	ROSETTE SAMP
0126	00 11 S	008 39 E	68	04	16	1710	-1	1080	28.8	DRIFT BOTTLE
0126	00 11 S	008 39 E	68	04	16	1710	-1	1080	28.8	ICITA NET
0126	00 11 S	008 39 E	68	04	16	1710	-1	1080	28.8	FISH LVE BAIT
0126	00 11 S	008 39 E	68	04	16	1710	-1	1080	28.8	NIGHT LIGHT
0127	00 20 N	008 37 E	68	04	17	0155	-1	1278	28.5	SBT
0127	00 20 N	008 37 E	68	04	17	0155	-1	1278	28.5	ICITA NET
0128	00 25 N	008 30 E	68	04	17	0500	-1	0918	.	SHY
0128	00 25 N	008 30 E	68	04	17	0500	-1	0918	.	SBT
0128	00 25 N	008 30 E	68	04	17	0500	-1	0918	.	ROSETTE SAMP
0128	00 25 N	008 30 E	68	04	17	0500	-1	0918	.	DRIFT BOTTLE
0128	00 25 N	008 30 E	68	04	17	0500	-1	0918	.	ICITA NET
0628	00 35 N	008 17 E	68	04	17	0945	-1	2124	29.4	SBT
0129	00 35 N	008 17 E	68	04	17	0915	-1		.	ICITA NET
0129	00 35 N	008 17 E	68	04	17	0919				FISH LVE BAIT
0130	00 36 N	008 01 E	68	04	17	1120			.	SHY

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STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0130	00 36 N	008 01 E	68	04	17	1120	-1	2394	.	SBT
0130	00 36 N	008 01 E	68	04	17	1120	-1	2394	.	ROSETTE SAMP
0130	00 36 N	008 01 E	68	04	17	1120	-1	2394	.	PRODUCTIVITY
0130	00 36 N	008 01 E	68	04	17	1120	-1	2394	.	ICITA NET
0131	00 37 N	007 52 E	68	04	17	1335	-1	2448	29.8	SBT
0131	00 37 N	007 52 E	68	04	17	1335	-1	2448	29.8	ICITA NET
0131	00 37 N	007 52 E	68	04	17	1335	-1	2448	29.8	FISHING TROLL
0132	00 38 N	007 21 E	68	04	17	1645	00	2664	29.6	SHY
0132	00 38 N	007 21 E	68	04	17	1645	00	2664	29.6	SBT
0132	00 38 N	007 21 E	68	04	17	1645	00	2664	29.6	ROSETTE SAMP
0132	00 38 N	007 21 E	68	04	17	1645	00	2664	29.6	DRIFT BOTTLE
0132	00 38 N	007 21 E	68	04	17	1645	00	2664	29.6	ICITA NET
0132	00 38 N	007 21 E	68	04	17	1645	00	2664	29.6	FISH LVE BAIT
0132	00 38 N	007 21 E	68	04	17	1645	00	2664	29.6	NIGHT LIGHT
0133	00 03 S	007 22 E	68	04	18	0500	00	2682	.	SHY
0133	00 03 S	007 22 E	68	04	18	0500	00	2682	.	SBT
0133	00 03 S	007 22 E	68	04	18	0500	00	2682	.	ROSETTE SAMP
0133	00 03 S	007 22 E	68	04	18	0500	00	2682	.	DRIFT BOTTLE
0133	00 03 S	007 22 E	68	04	18	0500	00	2682	.	ICITA NET
0633	00 08 N	007 13 E	68	04	18	0755	00	2727	29.0	SBT
0134	00 15 N	007 03 E	68	04	18	0940	00	2754	29.2	SBT
0134	00 15 N	007 03 E	68	04	18	0940	00	2754	29.2	ICITA NET
0134	00 15 N	007 03 E	68	04	18	0940	00	2754	29.2	FISH LVE BAIT
0135	00 25 N	006 53 E	68	04	19	0850	00	2322	30.4	SBT
0135	00 25 N	006 53 E	68	04	19	0850	00	2322	30.4	ICITA NET
0135	00 25 N	006 53 E	68	04	19	0850	00	2322	30.4	FISHING TROLL
0136	00 34 N	007 06 E	68	04	19	1040	00	2808	30.1	FISHING TROLL
0137	00 36 N	007 06 E	68	04	19	1130	00	2826	.	SHY
0137	00 36 N	007 06 E	68	04	19	1130	00	2826	.	SBT
0137	00 36 N	007 06 E	68	04	19	1130	00	2826	.	ROSETTE SAMP
0137	00 36 N	007 06 E	68	04	19	1130	00	2826	.	DRIFT BOTTLE
0137	00 36 N	007 06 E	68	04	19	1130	00	2826	.	PRODUCTIVITY
0137	00 36 N	007 06 E	68	04	19	1130	00	2826	.	ICITA NET
0637	01 00 N	007 33 E	68	04	19	1545	-1	2520	29.5	SBT
0138	01 20 N	007 55 E	68	04	19	1900	-1	2400	28.6	SHY
0138	01 20 N	007 55 E	68	04	19	1900	-1	2400	28.6	SBT
0138	01 20 N	007 55 E	68	04	19	1900	-1	2400	28.6	ROSETTE SAMP
0138	01 20 N	007 55 E	68	04	19	1900	-1	2400	28.6	DRIFT BOTTLE
0138	01 20 N	007 55 E	68	04	19	1900	-1	2400	28.6	ICITA NET
0138	01 20 N	007 55 E	68	04	19	1900	-1	2400	28.6	NIGHT LIGHT
0638	01 23 N	008 21 E	68	04	20	0730	-1	2088	28.8	SBT
0139	01 29 N	008 49 E	68	04	20	1120	-1	1620	.	SHY
0139	01 29 N	008 49 E	68	04	20	1120	-1	1620	.	SBT
0139	01 29 N	008 49 E	68	04	20	1120	-1	1620	.	ROSETTE SAMP
0139	01 29 N	008 49 E	68	04	20	1120	-1	1620	.	DRIFT BOTTLE
0139	01 29 N	008 49 E	68	04	20	1120	-1	1620	.	PRODUCTIVITY
0139	01 29 N	008 49 E	68	04	20	1120	-1	1620	.	ICITA NET
0639	01 21 N	008 58 E	68	04	20	1410	-1	1242	29.0	SBT
0140	01 20 N	009 05 E	68	04	20	1700	-1	0840	28.9	SHY
0140	01 20 N	009 05 E	68	04	20	1700	-1	0840	28.9	SBT
0140	01 20 N	009 05 E	68	04	20	1700	-1	0840	28.9	ROSETTE SAMP
0140	01 20 N	009 05 E	68	04	20	1700	-1	0840	28.9	DRIFT BOTTLE
0140	01 20 N	009 05 E	68	04	20	1700	-1	0840	28.9	ICITA NET
0640	01 45 N	009 11 E	68	04	20	2100				SBT
0141	02 01 N	009 17 E	68	04	21	2250				SBT

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STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0141	02 01 N	009 17 E	68	04	21	2250	-1	1044	28.4	ICITA NET
0641	02 18 N	009 23 E	68	04	21	0200	-1	0828	28.5	SBT
0142	02 41 N	009 27 E	68	04	21	1045	-1	0700	29.7	HYDRO
0142	02 41 N	009 27 E	68	04	21	1045	-1	0700	29.7	BT
0142	02 41 N	009 27 E	68	04	21	1045	-1	0700	29.7	DRIFT BOTTLE
0142	02 41 N	009 27 E	68	04	21	1045	-1	0700	29.7	PRODUCTIVITY
0142	02 41 N	009 27 E	68	04	21	1045	-1	0700	29.7	ICITA NET
0142	02 41 N	009 27 E	68	04	21	1045	-1	0700	29.7	FISH LVE BAIT
0642	02 41 N	009 00 E	68	04	21	1530	-1	1629	29.3	BT
0143	02 39 N	008 41 E	68	04	21	1800	-1	1836	28.9	HYDRO
0143	02 39 N	008 41 E	68	04	21	1800	-1	1836	28.9	BT
0143	02 39 N	008 41 E	68	04	21	1800	-1	1836	28.9	DRIFT BOTTLE
0143	02 39 N	008 41 E	68	04	21	1800	-1	1836	28.9	ICITA NET
0643	02 38 N	008 20 E	68	04	21	2120	-1		28.6	BT
0144	02 38 N	008 00 E	68	04	21	2330	-1	1494	28.7	HYDRO
0144	02 38 N	008 00 E	68	04	21	2330	-1	1494	28.7	BT
0144	02 38 N	008 00 E	68	04	21	2330	-1	1494	28.7	DRIFT BOTTLE
0144	02 38 N	008 00 E	68	04	21	2330	-1	1494	28.7	ICITA NET
0144	02 38 N	008 00 E	68	04	21	2330	-1	1494	28.7	NIGHT LIGHT
0644	02 52 N	008 01 E	68	04	22	0740	-1		28.5	BT
0145	03 09 N	007 59 E	68	04	22	1120	-1	1728	29.1	HYDRO
0145	03 09 N	007 59 E	68	04	22	1120	-1	1728	29.1	BT
0145	03 09 N	007 59 E	68	04	22	1120	-1	1728	29.1	DRIFT BOTTLE
0145	03 09 N	007 59 E	68	04	22	1120	-1	1728	29.1	PRODUCTIVITY
0145	03 09 N	007 59 E	68	04	22	1120	-1	1728	29.1	ICITA NET
0645	03 30 N	008 00 E	68	04	22	1453	-1	1440	29.4	BT
0146	03 45 N	007 59 E	68	04	22	1630	-1	0550	29.8	HYDRO
0146	03 45 N	007 59 E	68	04	22	1630	-1	0550	29.8	BT
0146	03 45 N	007 59 E	68	04	22	1630	-1	0550	29.8	DRIFT BOTTLE
0146	03 45 N	007 59 E	68	04	22	1630	-1	0550	29.8	ICITA NET
0646	03 45 N	007 46 E	68	04	22	1938	-1	0210	28.9	BT
0147	03 45 N	007 31 E	68	04	22	2130	-1	0445	29.1	BT
0147	03 45 N	007 31 E	68	04	22	2130	-1	0445	29.1	ICITA NET
0147	03 45 N	007 31 E	68	04	22	2130	-1	0445	29.1	NIGHT LIGHT
0647	03 45 N	007 16 E	68	04	23	0300	00	0610	28.7	BT
0148	03 43 N	006 54 E	68	04	23	0500	00	0440	28.7	HYDRO
0148	03 43 N	006 54 E	68	04	23	0500	00	0440	28.7	BT
0148	03 43 N	006 54 E	68	04	23	0500	00	0440	28.7	DRIFT BOTTLE
0148	03 43 N	006 54 E	68	04	23	0500	00	0440	28.7	ICITA NET
0149	03 39 N	006 50 E	68	04	23	0655	00		29.0	BT
0149	03 39 N	006 50 E	68	04	23	0655	00		29.0	FISH LVE BAIT
0649	03 25 N	006 48 E	68	04	23	0855	00	1098	29.2	BT
0150	03 03 N	006 57 E	68	04	23	1100	00	1458	29.2	HYDRO
0150	03 03 N	006 57 E	68	04	23	1100	00	1458	29.2	BT
0150	03 03 N	006 57 E	68	04	23	1100	00	1458	29.2	DRIFT BOTTLE
0150	03 03 N	006 57 E	68	04	23	1100	00	1458	29.2	PRODUCTIVITY
0150	03 03 N	006 57 E	68	04	23	1100	00	1458	29.2	ICITA NET
0650	03 04 N	006 57 E	68	04	23	1429	00	1845	29.9	BT
0151	02 19 N	007 00 E	68	04	23	1700	00	2691	29.4	HYDRO
0151	02 19 N	007 00 E	68	04	23	1700	00	2691	29.4	BT
0151	02 19 N	007 00 E	68	04	23	1700	00	2691	29.4	DRIFT BOTTLE
0151	02 19 N	007 00 E	68	04	23	1700	00	2691	29.4	ICITA NET
0151	02 19 N	007 00 E	68	04	23	1700	00	2691	29.4	FISHING TROLL
0651	02 23 N	006 44 E	68	04	23	1949				BT
0152	02 25 N	006 29 E	68	04	23	2130				BT

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STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0152	02 25 N	006 29 E	68	04	23	2130	00		28.9	ICITA NET
0152	02 25 N	006 29 E	68	04	23	2130	00		28.9	NIGHT LIGHT
0652	02 26 N	006 15 E	68	04	24	0328	00	2574	28.7	BT
0153	02 20 N	006 02 E	68	04	24	0600	00	2970	28.7	HYDRO
0153	02 20 N	006 02 E	68	04	24	0600	00	2970	28.7	BT
0153	02 20 N	006 02 E	68	04	24	0600	00	2970	28.7	DRIFT BOTTLE
0153	02 20 N	006 02 E	68	04	24	0600	00	2970	28.7	ICITA NET
0153	02 20 N	006 02 E	68	04	24	0600	00	2970	28.7	FISH LVE BAIT
0153	02 20 N	006 02 E	68	04	24	0600	00	2970	28.7	FISH LVE BAIT
0154	02 26 N	006 05 E	68	04	24	0850	00	2664	29.0	BT
0154	02 26 N	006 05 E	68	04	24	0850	00	2664	29.0	ICITA NET
0154	02 26 N	006 05 E	68	04	24	0850	00	2664	29.0	FISHING TROLL
0155	02 52 N	006 00 E	68	04	24	1235	00	1944	29.5	HYDRO
0155	02 52 N	006 00 E	68	04	24	1235	00	1944	29.5	BT
0155	02 52 N	006 00 E	68	04	24	1235	00	1944	29.5	DRIFT BOTTLE
0155	02 52 N	006 00 E	68	04	24	1235	00	1944	29.5	PRODUCTIVITY
0155	02 52 N	006 00 E	68	04	24	1235	00	1944	29.5	ICITA NET
0156	02 59 N	006 05 E	68	04	24	1415	00	1692	29.5	BT
0156	02 59 N	006 05 E	68	04	24	1415	00	1692	29.5	ICITA NET
0156	02 59 N	006 05 E	68	04	24	1415	00	1692	29.5	FISH LVE BAIT
0656	03 24 N	006 02 E	68	04	24	1700	00	0846	29.1	BT
0157	03 35 N	006 01 E	68	04	24	1750	00	0560	28.8	HYDRO
0157	03 35 N	006 01 E	68	04	24	1750	00	0560	28.8	BT
0157	03 35 N	006 01 E	68	04	24	1750	00	0560	28.8	DRIFT BOTTLE
0157	03 35 N	006 01 E	68	04	24	1750	00	0560	28.8	ICITA NET
0657	03 45 N	005 49 E	68	04	24	2045	00	1170	28.8	BT
0158	04 52 N	005 34 E	68	04	24	2255	00	0240	28.8	BT
0158	04 52 N	005 34 E	68	04	24	2255	00	0240	28.8	ICITA NET
0158	04 52 N	005 34 E	68	04	24	2255	00	0240	28.8	NIGHT LIGHT
0658	04 02 N	005 21 E	68	04	25	0330	00		28.7	BT
0159	04 10 N	005 10 E	68	04	25	0600	00	0840	28.8	HYDRO
0159	04 10 N	005 10 E	68	04	25	0600	00	0840	28.8	BT
0159	04 10 N	005 10 E	68	04	25	0600	00	0840	28.8	DRIFT BOTTLE
0159	04 10 N	005 10 E	68	04	25	0600	00	0840	28.8	ICITA NET
0160	03 52 N	005 06 E	68	04	25	0829	00	0810	29.2	BT
0160	03 52 N	005 06 E	68	04	25	0829	00	0810	29.2	ICITA NET
0160	03 52 N	005 06 E	68	04	25	0829	00	0810	29.2	FISH LVE BAIT
0161	03 38 N	005 09 E	68	04	25	1130	00	1827	.	HYDRO
0161	03 38 N	005 09 E	68	04	25	1130	00	1827	.	BT
0161	03 38 N	005 09 E	68	04	25	1130	00	1827	.	DRIFT BOTTLE
0161	03 38 N	005 09 E	68	04	25	1130	00	1827	.	PRODUCTIVITY
0161	03 38 N	005 09 E	68	04	25	1130	00	1827	.	ICITA NET
0661	03 17 N	005 05 E	68	04	25	1436	00	2430	29.6	BT
0162	02 58 N	005 08 E	68	04	25	1715	00	2790	29.6	HYDRO
0162	02 58 N	005 08 E	68	04	25	1715	00	2790	29.6	BT
0162	02 58 N	005 08 E	68	04	25	1715	00	2790	29.6	ICITA NET
0901	03 32 S	008 34 E	68	02	20	2130	-1	3120	28.0	SBT
0902	04 08 S	009 12 E	68	02	21	0315	-1	3044	27.9	SBT
0903	16 30 S	011 30 E	68	03	12	2310	-1	0090	25.7	SBT
0904	17 00 S	011 25 E	68	03	13	0240	-1	0126	22.1	BT

APPENDIX 1 (continued)

UNDAUNTED CRUISE 6802

September 14 to November 24, 1968

OBSERVATION CODES

BT	- Bathythermograph
HYDRO	- Hydrographic
SBT	- STD and BT
SHY	- STD and hydrographic
ICITA NET	- Plankton net
XBT	- Expendable BT

UNDAUNTED 6802

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0001	04 49 N	001 30 W	68	09	14	0900	00	0037	.	SSP
0001	04 49 N	001 30 W	68	09	14	0900	00	0037	.	ROSETTE SAMP
0002	05 08 N	000 41 W	68	09	14	1445	00	0038	.	SSP
0003	04 58 N	000 37 W	68	09	15	0905	00		.	SATELLITE
0004	04 48 N	000 32 W	68	09	15	1105	00		.	SATELLITE
0005	04 32 N	000 32 W	68	09	15	1200	00	3195	.	SSP
0005	04 32 N	000 32 W	68	09	15	1200	00	3195	.	ICITA NET
0006	04 05 N	000 31 W	68	09	15	1815	00	4140	.	SBT
0006	04 05 N	000 31 W	68	09	15	1815	00	4140	.	DRIFT BOTTLE
0006	04 05 N	000 31 W	68	09	15	1815	00	4140	.	ICITA NET
0007	03 38 N	000 31 W	68	09	15	2257	00	2420	.	SBT
0007	03 38 N	000 31 W	68	09	15	2257	00	2420	.	ICITA NET
0008	03 10 N	000 31 W	68	09	16	0325	00	2560	.	SBT
0008	03 10 N	000 31 W	68	09	16	0325	00	2560	.	DRIFT BOTTLE
0008	03 10 N	000 31 W	68	09	16	0325	00	2560	.	ICITA NET
0009	02 30 N	000 33 W	68	09	16	0844	00	4464	.	SBT
0009	02 30 N	000 33 W	68	09	16	0844	00	4464	.	DRIFT BOTTLE
0009	02 30 N	000 33 W	68	09	16	0844	00	4464	.	ICITA NET
0010	02 00 N	000 30 W	68	09	16	1315	00	4662	.	SBT
0010	02 00 N	000 30 W	68	09	16	1315	00	4662	.	DRIFT BOTTLE
0010	02 00 N	000 30 W	68	09	16	1315	00	4662	.	ICITA NET
0011	01 31 N	000 37 W	68	09	16	1725	00	4698	.	SBT
0011	01 31 N	000 37 W	68	09	16	1725	00	4698	.	ICITA NET
0012	01 02 N	000 39 W	68	09	16	2130	00	4716	.	SBT
0012	01 02 N	000 39 W	68	09	16	2130	00	4716	.	DRIFT BOTTLE
0012	01 02 N	000 39 W	68	09	16	2130	00	4716	.	ICITA NET
0013	00 32 N	000 43 W	68	09	17	0125	00	4734	.	SBT
0013	00 32 N	000 43 W	68	09	17	0125	00	4734	.	ICITA NET
0014	00 02 N	000 46 W	68	09	17	0535	00	4707	.	SBT
0014	00 02 N	000 46 W	68	09	17	0535	00	4707	.	DRIFT BOTTLE
0014	00 02 N	000 46 W	68	09	17	0535	00	4707	.	ICITA NET
0015	00 01 N	000 35 E	68	09	17	1405	00	4644	.	SBT
0015	00 01 N	000 35 E	68	09	17	1405	00	4644	.	DRIFT BOTTLE
0015	00 01 N	000 35 E	68	09	17	1405	00	4644	.	ICITA NET
0016	00 01 N	001 35 E	68	09	17	2040	00	4518	.	SBT
0016	00 01 N	001 35 E	68	09	17	2040	00	4518	.	DRIFT BOTTLE
0016	00 01 N	001 35 E	68	09	17	2040	00	4518	.	ICITA NET
0017	00 00 N	002 34 E	68	09	17	0327	00	4230	.	SBT
0017	00 00 N	002 34 E	68	09	17	0327	00	4230	.	ICITA NET
0018	00 00 N	003 13 E	68	09	18	0805	00	4115	.	SATELLITE
0019	00 00 N	003 29 E	68	09	18	1000	00	4050	.	SBT
0019	00 00 N	003 29 E	68	09	18	1000	00	4050	.	DRIFT BOTTLE
0019	00 00 N	003 29 E	68	09	18	1000	00	4050	.	ICITA NET
0020	00 00 N	004 30 E	68	09	18	1718	00	3852	.	SBT
0021	00 00 N	005 30 E	68	09	19	0000	-1	3375	.	SBT
0021	00 00 N	005 30 E	68	09	19	0000	-1	3375	.	DRIFT BOTTLE
0021	00 00 N	005 30 E	68	09	19	0000	-1	3375	.	ICITA NET
0023	00 07 N	006 51 E	68	09	19	1110	-1	2466	.	SHY
0023	00 07 N	006 51 E	68	09	19	1110	-1	2466	.	SBT
0023	00 07 N	006 51 E	68	09	19	1110	-1	2466	.	ROSETTE SAMP
0023	00 07 N	006 51 E	68	09	19	1110	-1	2466	.	DRIFT BOTTLE
0023	00 07 N	006 51 E	68	09	19	1110	-1	2466	.	PRODUCTIVITY
0023	00 07 N	006 51 E	68	09	19	1110	-1	2466	.	ICITA NET
0024	00 32 N	006 51 E	68	09	19	1625	-1	2826	.	SBT
0025	00 25 N	007 06 E	68	09	19	1905	-1	2826	.	SHY
0025	00 25 N	007 06 E	68	09	19	1905	-1	2826	.	SBT

UNDAUNTED 6802

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0025	00 25 N	007 06 E	68	09	19	1905	-1	2826	.	ROSETTE SAMP
0025	00 25 N	007 06 E	68	09	19	1905	-1	2826	.	DRIFT BOTTLE
0025	00 25 N	007 06 E	68	09	19	1905	-1	2826	.	ICITA NET
0026	00 17 N	007 28 E	68	09	19	2300	-1	2736	.	SBT
0026	00 17 N	007 28 E	68	09	19	2300	-1	2736	.	ICITA NET
0026	00 17 N	007 28 E	68	09	19	2300	-1	2736	.	NIGHT LIGHT
0027	00 10 N	007 42 E	68	09	20	0300	-1	2592	.	SHY
0027	00 10 N	007 42 E	68	09	20	0300	-1	2592	.	SBT
0027	00 10 N	007 42 E	68	09	20	0300	-1	2592	.	ROSETTE SAMP
0027	00 10 N	007 42 E	68	09	20	0300	-1	2592	.	DRIFT BOTTLE
0027	00 10 N	007 42 E	68	09	20	0300	-1	2592	.	ICITA NET
0028	00 11 S	008 38 E	68	09	20	1100	-1	0630	.	SHY
0028	00 11 S	008 38 E	68	09	20	1100	-1	0630	.	SBT
0028	00 11 S	008 38 E	68	09	20	1100	-1	0630	.	ROSETTE SAMP
0028	00 11 S	008 38 E	68	09	20	1100	-1	0630	.	DRIFT BOTTLE
0028	00 11 S	008 38 E	68	09	20	1100	-1	0630	.	PRODUCTIVITY
0028	00 11 S	008 38 E	68	09	20	1100	-1	0630	.	ICITA NET
0029	00 32 S	008 58 E	68	09	21	1700	-1		.	NIGHT LIGHT
0030	00 52 S	008 18 E	68	09	21	0847	-1	1335	.	SATELLITE
0031	01 04 S	008 20 E	68	09	21	1000	-1	1008	.	BT
0032	02 48 S	009 28 E	68	09	22	0000	-1	0100	.	SBT
0032	02 48 S	009 28 E	68	09	22	0000	-1	0100	.	BAITING
0033	02 36 S	009 20 E	68	09	22	0530	-1	0090	.	SBT
0034	02 23 S	009 09 E	68	09	22	0600	-1	0090	.	SBT
0035	02 11 S	008 58 E	68	09	22	0730	-1	0100	.	SBT
0036	01 54 S	008 45 E	68	09	22	0900	-1	0430	.	SBT
0037	01 43 S	008 37 E	68	09	22	1030	-1	0813	.	SBT
0038	01 32 S	008 30 E	68	09	22	1200	-1	0810	.	SBT
0039	01 21 S	008 23 E	68	09	22	1330	-1	0828	.	SBT
0039	01 21 S	008 23 E	68	09	22	1330	-1	0828	.	DRIFT BOTTLE
0040	01 08 S	008 14 E	68	09	22	1530	-1	1080	.	SBT
0040	01 08 S	008 14 E	68	09	22	1530	-1	1080	.	DRIFT BOTTLE
0041	00 58 S	008 08 E	68	09	22	1800	-1	1440	.	SBT
0041	00 58 S	008 08 E	68	09	22	1800	-1	1440	.	DRIFT BOTTLE
0042	01 02 S	007 53 E	68	09	22	1900	-1	2025	.	SBT
0042	01 02 S	007 53 E	68	09	22	1900	-1	2025	.	MISC FISHING
0043	01 08 S	007 27 E	68	09	22	2342	-1	2610	.	SBT
0043	01 08 S	007 27 E	68	09	22	2342	-1	2610	.	ICITA NET
0043	01 08 S	007 27 E	68	09	22	2342	-1	2610	.	NIGHT LIGHT
0044	01 12 S	007 05 E	68	09	23	0230	-1	2808	.	SHY
0044	01 12 S	007 05 E	68	09	23	0230	-1	2808	.	SBT
0044	01 12 S	007 05 E	68	09	23	0230	-1	2808	.	ROSETTE SAMP
0044	01 12 S	007 05 E	68	09	23	0230	-1	2808	.	DRIFT BOTTLE
0044	01 12 S	007 05 E	68	09	23	0230	-1	2808	.	ICITA NET
0045	01 35 S	007 16 E	68	09	23	0700	-1	2934	.	SBT
0045	01 35 S	007 16 E	68	09	23	0700	-1	2934	.	DRIFT BOTTLE
0046	01 47 S	007 24 E	68	09	23	0900	-1	3042	.	SBT
0046	01 47 S	007 24 E	68	09	23	0900	-1	3042	.	DRIFT BOTTLE
0047	01 59 S	007 30 E	68	09	23	1110	-1	3132	.	SBT
0047	01 59 S	007 30 E	68	09	23	1110	-1	3132	.	DRIFT BOTTLE
0047	01 59 S	007 30 E	68	09	23	1110	-1	3132	.	PRODUCTIVITY
0047	01 59 S	007 30 E	68	09	23	1110	-1	3132	.	ICITA NET
0047	01 59 S	007 30 E	68	09	23	1110	-1	3132	.	FISHING TRAWL
0048	02 30 S	007 45 E	68	09	23	1800	-1	3384	.	BT
0049	02 45 S	007 52 E	68	09	23	1930	-1	3555	.	BT
0050	02 55 S	007 57 E	68	09	23	2100	-1	3834	.	BT

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0051	03 16 S	008 04 E	68	09	23	2230	-1	3888	.	BT
0051	03 16 S	008 04 E	68	09	23	2230	-1	3888	.	NIGHT LIGHT
0052	03 23 S	008 09 E	68	09	24	0100	-1	3834	23.7	BT
0052	03 23 S	008 09 E	68	09	24	0100	-1	3834	23.7	NIGHT LIGHT
0053	03 23 S	008 26 E	68	09	24	0300	-1	3834	23.8	BT
0054	02 56 S	008 40 E	68	09	24	0930	-1	1555	.	SATELLITE
0055	02 54 S	008 58 E	68	09	24	1205	-1	0942	23.4	BT
0056	02 53 S	009 08 E	68	09	24	1330	-1	0558	22.8	BT
0057	02 50 S	009 19 E	68	09	24	1445	-1	0229	23.2	BT
0058	02 47 S	009 25 E	68	09	24	1600	-1	0274	23.1	BT
0059	03 03 S	009 31 E	68	09	24	1730	-1	0198	23.1	BT
0059	03 03 S	009 31 E	68	09	24	1730	-1	0198	23.1	XBT
0060	03 14 S	009 36 E	68	09	24	1900	-1	0530	23.0	BT
0061	03 30 S	009 43 E	68	09	24	2100	-1	1027	23.0	HYDRO
0061	03 30 S	009 43 E	68	09	24	2100	-1	1027	23.0	BT
0062	03 34 S	009 44 E	68	09	24	2300	-1	1206	.	BT
0062	03 34 S	009 44 E	68	09	24	2300	-1	1206	.	ICITA NET
0062	03 34 S	009 44 E	68	09	24	2300	-1	1206	.	NIGHT LIGHT
0063	03 41 S	009 46 E	68	09	25	0100	-1		23.0	BT
0064	03 55 S	009 52 E	68	09	25	0300	-1	2016	22.7	HYDRO
0064	03 55 S	009 52 E	68	09	25	0300	-1	2016	22.7	BT
0064	03 55 S	009 52 E	68	09	25	0300	-1	2016	22.7	ICITA NET
0065	04 13 S	009 56 E	68	09	25	0615	-1		22.9	BT
0066	04 31 S	009 57 E	68	09	25	0800	-1	2926	23.7	HYDRO
0066	04 31 S	009 57 E	68	09	25	0800	-1	2926	23.7	BT
0066	04 31 S	009 57 E	68	09	25	0800	-1	2926	23.7	ICITA NET
0066	04 31 S	009 57 E	68	09	25	0800	-1	2926	23.7	FISHING TRAWL
0066	04 31 S	009 57 E	68	09	25	0800	-1	2926	23.7	FISHING TROLL
0067	04 31 S	010 22 E	68	09	25	1315	-1	2160	23.4	BT
0068	04 31 S	010 48 E	68	09	25	1555	-1	1050	23.4	BT
0069	04 35 S	010 53 E	68	09	25	1700	-1	1143	.	FISHING TROLL
0070	04 39 S	010 58 E	68	09	25	1730	-1	1262	23.2	BT
0070	04 39 S	010 58 E	68	09	25	1730	-1	1262	23.2	NIGHT LIGHT
0071	04 47 S	011 07 E	68	09	25	1900	-1	1260	22.4	HYDRO
0071	04 47 S	011 07 E	68	09	25	1900	-1	1260	22.4	BT
0071	04 47 S	011 07 E	68	09	25	1900	-1	1260	22.4	DRIFT BOTTLE
0071	04 47 S	011 07 E	68	09	25	1900	-1	1260	22.4	ICITA NET
0071	04 47 S	011 07 E	68	09	25	1900	-1	1260	22.4	NIGHT LIGHT
0072	04 56 S	011 11 E	68	09	25	2300	-1	1206	22.4	BT
0072	04 56 S	011 11 E	68	09	25	2300	-1	1206	22.4	ICITA NET
0072	04 56 S	011 11 E	68	09	25	2300	-1	1206	22.4	FISHING TRAWL
0073	05 05 S	011 15 E	68	09	26	0155	-1	1116	22.5	BT
0074	05 12 S	011 19 E	68	09	26	0300	-1	1170	22.4	HYDRO
0074	05 12 S	011 19 E	68	09	26	0300	-1	1170	22.4	BT
0074	05 12 S	011 19 E	68	09	26	0300	-1	1170	22.4	DRIFT BOTTLE
0074	05 12 S	011 19 E	68	09	26	0300	-1	1170	22.4	ICITA NET
0075	05 23 S	011 24 E	68	09	26	0700	-1	0786	.	BT
0076	05 24 S	011 35 E	68	09	26	0830	-1	0360	.	BT
0077	05 24 S	011 52 E	68	09	26	1030	-1	0049	22.3	BT
0078	05 13 S	012 04 E	68	09	26	1320	-1	0009	23.3	BT
0078	05 13 S	012 04 E	68	09	26	1320	-1	0009	23.3	BAITING
0078	05 13 S	012 04 E	68	09	26	1320	-1	0009	23.3	MISC FISHING
0079	04 53 S	011 47 E	68	09	27	0925	-1	0040	22.8	BT
0080	05 11 S	012 05 E	68	09	27	1605	-1	0004	.	BAITING
0081	05 29 S	011 56 E	68	09	28	0915	-1	0229	18.9	BT
0082	05 50 S	011 56 E	68	09	28	1200	-1	0293	21.2	BT

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0083	06 09 S	011 55 E	68	09	28	1400	-1	0073	22.5	BT
0084	06 26 S	011 54 E	68	09	28	1600	-1	0101	22.5	BT
0085	06 45 S	011 56 E	68	09	28	1800	-1	0274	22.7	BT
0086	06 54 S	011 45 E	68	09	28	1905	-1	0360	22.5	HYDRO
0086	06 54 S	011 45 E	68	09	28	1905	-1	0360	22.5	BT
0086	06 54 S	011 45 E	68	09	28	1905	-1	0360	22.5	DRIFT BOTTLE
0086	06 54 S	011 45 E	68	09	28	1905	-1	0360	22.5	ICITA NET
0086	06 54 S	011 45 E	68	09	28	1905	-1	0360	22.5	NIGHT LIGHT
0087	07 16 S	011 45 E	68	09	29	0730	-1	0846	23.1	BT
0088	07 10 S	011 36 E	68	09	29	0818	-1	0689	.	HYDRO
0088	07 10 S	011 36 E	68	09	29	0818	-1	0689	.	BT
0088	07 10 S	011 36 E	68	09	29	0818	-1	0689	.	DRIFT BOTTLE
0088	07 10 S	011 36 E	68	09	29	0818	-1	0689	.	PRODUCTIVITY
0088	07 10 S	011 36 E	68	09	29	0818	-1	0689	.	ICITA NET
0088	07 10 S	011 36 E	68	09	29	0818	-1	0689	.	FISH LVE BAIT
0089	07 26 S	011 58 E	68	09	29	1645	-1	0640	23.3	BT
0090	07 32 S	012 07 E	68	09	29	1800	-1	0640	22.5	HYDRO
0090	07 32 S	012 07 E	68	09	29	1800	-1	0640	22.5	BT
0090	07 32 S	012 07 E	68	09	29	1800	-1	0640	22.5	DRIFT BOTTLE
0090	07 32 S	012 07 E	68	09	29	1800	-1	0640	22.5	ICITA NET
0091	07 30 S	012 02 E	68	09	29	1950	-1		.	BT
0091	07 30 S	012 02 E	68	09	29	1950	-1		.	ICITA NET
0091	07 30 S	012 02 E	68	09	29	1950	-1		.	NIGHT LIGHT
0092	07 30 S	012 02 E	68	09	30	0730	-1	1006	.	FISH LVE BAIT
0093	07 43 S	012 04 E	68	09	30	1045	-1	1006	.	HYDRO
0093	07 43 S	012 04 E	68	09	30	1045	-1	1006	.	BT
0093	07 43 S	012 04 E	68	09	30	1045	-1	1006	.	DRIFT BOTTLE
0093	07 43 S	012 04 E	68	09	30	1045	-1	1006	.	PRODUCTIVITY
0093	07 43 S	012 04 E	68	09	30	1045	-1	1006	.	ICITA NET
0094	07 57 S	011 59 E	68	09	30	1500	-1	1372	23.8	BT
0095	07 58 S	012 00 E	68	09	30	2215	-1	1008	22.8	HYDRO
0095	07 58 S	012 00 E	68	09	30	2215	-1	1008	22.8	BT
0095	07 58 S	012 00 E	68	09	30	2215	-1	1008	22.8	DRIFT BOTTLE
0095	07 58 S	012 00 E	68	09	30	2215	-1	1008	22.8	ICITA NET
0095	07 58 S	012 00 E	68	09	30	2215	-1	1008	22.8	NIGHT LIGHT
0096	08 22 S	012 02 E	68	10	01	0230	-1	1737	.	BT
0097	08 39 S	012 03 E	68	10	01	0500	-1	1818	.	HYDRO
0097	08 39 S	012 03 E	68	10	01	0500	-1	1818	.	BT
0097	08 39 S	012 03 E	68	10	01	0500	-1	1818	.	DRIFT BOTTLE
0097	08 39 S	012 03 E	68	10	01	0500	-1	1818	.	ICITA NET
0098	08 55 S	012 02 E	68	10	01	0815	-1	2012	22.8	BT
0098	08 55 S	012 02 E	68	10	01	0815	-1	2012	22.8	SATELLITE
0098	08 55 S	012 02 E	68	10	01	0815	-1	2012	22.8	FISH LVE BAIT
0099	09 00 S	012 03 E	68	10	01	1038	-1	1944	23.5	HYDRO
0099	09 00 S	012 03 E	68	10	01	1038	-1	1944	23.5	BT
0099	09 00 S	012 03 E	68	10	01	1038	-1	1944	23.5	PRODUCTIVITY
0099	09 00 S	012 03 E	68	10	01	1038	-1	1944	23.5	ICITA NET
0099	09 00 S	012 03 E	68	10	01	1038	-1	1944	23.5	FISH LVE BAIT
0100	09 21 S	012 11 E	68	10	01	1430	-1		22.6	BT
0101	09 32 S	012 19 E	68	10	01	1630	-1	1481	23.2	BT
0102	10 02 S	012 28 E	68	10	01	1830	-1	2725	23.1	BT
0103	10 23 S	012 37 E	68	10	01	2030	-1		.	BT
0104	10 44 S	012 46 E	68	10	01	2230	-1		22.9	BT
0105	11 04 S	012 56 E	68	10	02	0030	-1		21.9	BT
0106	11 25 S	013 03 E	68	10	02	0230	-1		22.3	BT
0107	11 47 S	013 12 E	68	10	02	0430	-1		21.7	BT

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0108	12 04 S	013 24 E	68	10	02	0630	-1	0750	21.6	BT
0109	12 09 S	013 27 E	68	10	02	0830	-1		21.1	BT
0110	12 19 S	013 36 E	68	10	14	1900	-1	0018	19.3	SBT
0110	12 19 S	013 36 E	68	10	14	1900	-1	0018	19.3	BAITING
0111	12 19 S	013 32 E	68	10	15	0710	-1	0018	19.2	SATELLITE
0112	12 20 S	013 22 E	68	10	15	0830	-1	0396	17.7	SBT
0112	12 20 S	013 22 E	68	10	15	0830	-1	0396	17.7	SATELLITE
0113	12 20 S	013 05 E	68	10	15	1205	-1	1116	20.4	SHY
0113	12 20 S	013 05 E	68	10	15	1205	-1	1116	20.4	ROSETTE SAMP
0113	12 20 S	013 05 E	68	10	15	1205	-1	1116	20.4	DRIFT BOTTLE
0113	12 20 S	013 05 E	68	10	15	1205	-1	1116	20.4	PRODUCTIVITY
0113	12 20 S	013 05 E	68	10	15	1205	-1	1116	20.4	ICITA NET
0114	12 35 S	013 22 E	68	10	15	2000	-1	0180	16.5	BAITING
0115	12 20 S	013 05 E	68	10	16	0623	-1	1153	19.9	SHY
0115	12 20 S	013 05 E	68	10	16	0623	-1	1153	19.9	SATELLITE
0116	12 20 S	012 50 E	68	10	16	1143	-1	1556	20.9	XBT
0117	12 20 S	012 35 E	68	10	16	1300	-1	1830	19.3	SHY
0117	12 20 S	012 35 E	68	10	16	1300	-1	1830	19.3	ROSETTE SAMP
0117	12 20 S	012 35 E	68	10	16	1300	-1	1830	19.3	DRIFT BOTTLE
0117	12 20 S	012 35 E	68	10	16	1300	-1	1830	19.3	ICITA NET
0118	12 20 S	012 20 E	68	10	16	1554	-1	1193	22.4	SBT
0118	12 20 S	012 20 E	68	10	16	1554	-1	1193	22.4	XBT
0118	12 20 S	012 20 E	68	10	16	1554	-1	1193	22.4	ICITA NET
0118	12 20 S	012 20 E	68	10	16	1554	-1	1193	22.4	FISHING TRAWL
0118	12 20 S	012 20 E	68	10	16	1554	-1	1193	22.4	NIGHT LIGHT
0119	12 20 S	012 08 E	68	10	17	0625	-1	1976	20.3	SHY
0119	12 20 S	012 08 E	68	10	17	0625	-1	1976	20.3	ROSETTE SAMP
0119	12 20 S	012 08 E	68	10	17	0625	-1	1976	20.3	DRIFT BOTTLE
0119	12 20 S	012 08 E	68	10	17	0625	-1	1976	20.3	ICITA NET
0120	12 20 S	012 01 E	68	10	17	0855	-1	2104	20.2	XBT
0120	12 20 S	012 01 E	68	10	17	0855	-1	2104	20.2	SATELLITE
0121	12 20 S	011 53 E	68	10	17	1030	-1	2159	21.5	XBT
0122	12 20 S	011 31 E	68	10	17	1211	-1	3294	21.2	SHY
0122	12 20 S	011 31 E	68	10	17	1211	-1	3294	21.2	PRODUCTIVITY
0122	12 20 S	011 31 E	68	10	17	1211	-1	3294	21.2	ICITA NET
0123	12 05 S	011 35 E	68	10	17	1537	-1	2159	23.5	XBT
0124	11 50 S	011 45 E	68	10	17	1710	-1	2562	21.5	SHY
0124	11 50 S	011 45 E	68	10	17	1710	-1	2562	21.5	SBT
0124	11 50 S	011 45 E	68	10	17	1710	-1	2562	21.5	ROSETTE SAMP
0124	11 50 S	011 45 E	68	10	17	1710	-1	2562	21.5	DRIFT BOTTLE
0124	11 50 S	011 45 E	68	10	17	1710	-1	2562	21.5	ICITA NET
0124	11 50 S	011 45 E	68	10	17	1710	-1	2562	21.5	FISHING TRAWL
0125	11 50 S	012 01 E	68	10	18	0606	-1	2379	21.5	XBT
0126	11 52 S	012 15 E	68	10	18	0727	-1	1976	23.4	SHY
0126	11 52 S	012 15 E	68	10	18	0727	-1	1976	23.4	ROSETTE SAMP
0126	11 52 S	012 15 E	68	10	18	0727	-1	1976	23.4	DRIFT BOTTLE
0126	11 52 S	012 15 E	68	10	18	0727	-1	1976	23.4	ICITA NET
0127	11 53 S	012 25 E	68	10	18	0955	-1	1876	23.4	SATELLITE
0128	11 55 S	012 29 E	68	10	18	1045	-1	1885	23.3	XBT
0129	11 54 S	012 50 E	68	10	18	1220	-1	1610	24.0	SHY
0129	11 54 S	012 50 E	68	10	18	1220	-1	1610	24.0	ROSETTE SAMP
0129	11 54 S	012 50 E	68	10	18	1220	-1	1610	24.0	DRIFT BOTTLE
0129	11 54 S	012 50 E	68	10	18	1220	-1	1610	24.0	PRODUCTIVITY
0129	11 54 S	012 50 E	68	10	18	1220	-1	1610	24.0	ICITA NET
0130	11 52 S	013 05 E	68	10	18	1526	-1	1281	23.5	XBT
0130	11 52 S	013 05 E	68	10	18	1526	-1	1281	23.5	FISHING TROLL

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0131	11 51 S	013 16 E	68	10	18	1700	-1	0640	22.9	SHY
0131	11 51 S	013 16 E	68	10	18	1700	-1	0640	22.9	XBT
0131	11 51 S	013 16 E	68	10	18	1700	-1	0640	22.9	DRIFT BOTTLE
0131	11 51 S	013 16 E	68	10	18	1700	-1	0640	22.9	ICITA NET
0131	11 51 S	013 16 E	68	10	18	1700	-1	0640	22.9	FISHING TRAWL
0131	11 51 S	013 16 E	68	10	18	1700	-1	0640	22.9	MISC FISHING
0131	11 51 S	013 16 E	68	10	18	1700	-1	0640	22.9	NIGHT LIGHT
0132	11 51 S	013 34 E	68	10	19	0546	-1	0260	21.8	XBT
0133	11 51 S	013 36 E	68	10	19	0603	-1	0238	.	XBT
0134	11 51 S	013 37 E	68	10	19	0617	-1	0100	21.2	XBT
0135	11 51 S	013 39 E	68	10	19	0629	-1	0091	21.2	XBT
0136	11 45 S	013 40 E	68	10	19	0800	-1		.	SATELLITE
0137	11 34 S	013 44 E	68	10	19	0822	-1	0037	20.8	XBT
0138	11 35 S	013 44 E	68	10	19	0859	-1		20.8	SATELLITE
0139	11 20 S	013 40 E	68	10	20	1115	-1	0015	.	SATELLITE
0139	11 20 S	013 40 E	68	10	20	1115	-1	0015	.	BAITING
0140	11 18 S	013 44 E	68	10	20	0831	-1	0040	21.5	XBT
0141	11 19 S	013 43 E	68	10	20	0840	-1		21.6	XBT
0142	11 20 S	013 41 E	68	10	20	0851	-1		21.7	XBT
0143	11 20 S	013 40 E	68	10	20	0907	-1		21.7	XBT
0144	11 20 S	013 31 E	68	10	20	0958	-1		23.0	XBT
0145	11 20 S	013 30 E	68	10	20	0915	-1	0380	22.3	HYDRO
0145	11 20 S	013 30 E	68	10	20	0915	-1	0380	22.3	BT
0145	11 20 S	013 30 E	68	10	20	0915	-1	0380	22.3	DRIFT BOTTLE
0145	11 20 S	013 30 E	68	10	20	0915	-1	0380	22.3	PRODUCTIVITY
0145	11 20 S	013 30 E	68	10	20	0915	-1	0380	22.3	ICITA NET
0145	11 20 S	013 30 E	68	10	20	0915	-1	0380	22.3	MISC FISHING
0146	11 20 S	013 30 E	68	10	20	1240	-1	1098	.	FISHING TROLL
0147	11 20 S	013 14 E	68	10	20	1358	-1	1830	22.3	XBT
0148	11 20 S	012 59 E	68	10	20	1516	-1	1940	23.7	HYDRO
0148	11 20 S	012 59 E	68	10	20	1516	-1	1940	23.7	XBT
0148	11 20 S	012 59 E	68	10	20	1516	-1	1940	23.7	ICITA NET
0148	11 20 S	012 59 E	68	10	20	1516	-1	1940	23.7	MISC FISHING
0148	11 20 S	012 59 E	68	10	20	1516	-1	1940	23.7	NIGHT LIGHT
0149	11 19 S	012 45 E	68	10	21	0605	-1	1500	22.8	XBT
0150	11 16 S	012 26 E	68	10	21	0710	-1	1519	23.0	HYDRO
0150	11 16 S	012 26 E	68	10	21	0710	-1	1519	23.0	BT
0150	11 16 S	012 26 E	68	10	21	0710	-1	1519	23.0	ICITA NET
0151	11 14 S	012 12 E	68	10	21	0955	-1	2544	24.1	XBT
0152	11 13 S	012 02 E	68	10	21	1103	-1	2544	24.1	HYDRO
0152	11 13 S	012 02 E	68	10	21	1103	-1	2544	24.1	BT
0152	11 13 S	012 02 E	68	10	21	1103	-1	2544	24.1	DRIFT BOTTLE
0152	11 13 S	012 02 E	68	10	21	1103	-1	2544	24.1	PRODUCTIVITY
0152	11 13 S	012 02 E	68	10	21	1103	-1	2544	24.1	ICITA NET
0153	11 17 S	011 43 E	68	10	21	1507	-1	2600	23.9	XBT
0154	11 11 S	011 41 E	68	10	21	1540	-1	3276	23.8	HYDRO
0154	11 11 S	011 41 E	68	10	21	1540	-1	3276	23.8	BT
0154	11 11 S	011 41 E	68	10	21	1540	-1	3276	23.8	ICITA NET
0155	11 08 S	011 57 E	68	10	21	2011	-1	2342	23.5	XBT
0156	11 00 S	012 10 E	68	10	21	2120	-1	1482	23.5	HYDRO
0156	11 00 S	012 10 E	68	10	21	2120	-1	1482	23.5	BT
0156	11 00 S	012 10 E	68	10	21	2120	-1	1482	23.5	ICITA NET
0156	11 00 S	012 10 E	68	10	21	2120	-1	1482	23.5	CLOSING NET
0156	11 00 S	012 10 E	68	10	21	2120	-1	1482	23.5	NIGHT LIGHT
0157	11 56 S	012 24 E	68	10	22	0610	-1	1574	22.8	XBT
0158	10 48 S	012 37 E	68	10	22	0835	-1	1464	23.2	HYDRO

UNDAUNTED 6802

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATICN
0158	10 48 S	012 37 E	68	10	22	0835	-1	1464	23.2	BT
0158	10 48 S	012 37 E	68	10	22	0835	-1	1464	23.2	DRIFT BOTTLE
0158	10 48 S	012 37 E	68	10	22	0835	-1	1464	23.2	ICITA NET
0159	10 42 S	012 50 E	68	10	22	1043	-1	1135	24.0	XBT
0159	10 42 S	012 50 E	68	10	22	1043	-1	1135	24.0	FISH LVE BAIT
0160	10 42 S	012 50 E	68	10	22	1130	-1	1116	23.2	XBT
0160	10 42 S	012 50 E	68	10	22	1130	-1	1116	23.2	PRODUCTIVITY
0161	10 37 S	013 03 E	68	10	22	1318	-1	0750	23.8	HYDRO
0161	10 37 S	013 03 E	68	10	22	1318	-1	0750	23.8	BT
0161	10 37 S	013 03 E	68	10	22	1318	-1	0750	23.8	DRIFT BOTTLE
0161	10 37 S	013 03 E	68	10	22	1318	-1	0750	23.8	ICITA NET
0162	10 30 S	013 19 E	68	10	22	1625	-1	0091	23.1	XBT
0163	10 03 S	013 05 E	68	10	22	1915	-1	0082	22.5	HYDRO
0163	10 03 S	013 05 E	68	10	22	1915	-1	0082	22.5	BT
0163	10 03 S	013 05 E	68	10	22	1915	-1	0082	22.5	ICITA NET
0164	10 08 S	012 52 E	68	10	22	2235	-1	0450	.	CLCSING NET
0165	10 11 S	012 50 E	68	10	23	0610	-1	0732	22.6	XBT
0166	10 17 S	012 35 E	68	10	23	0725	-1	1464	22.8	HYDRO
0166	10 17 S	012 35 E	68	10	23	0725	-1	1464	22.8	BT
0166	10 17 S	012 35 E	68	10	23	0725	-1	1464	22.8	ICITA NET
0167	10 22 S	012 22 E	68	10	23	1035	-1	1684	23.8	XBT
0168	10 31 S	012 03 E	68	10	23	1225	-1		24.0	HYDRO
0168	10 31 S	012 03 E	68	10	23	1225	-1		24.0	BT
0168	10 31 S	012 03 E	68	10	23	1225	-1		24.0	DRIFT BOTTLE
0168	10 31 S	012 03 E	68	10	23	1225	-1		24.0	PRODUCTIVITY
0168	10 31 S	012 03 E	68	10	23	1225	-1		24.0	ICITA NET
0169	10 36 S	011 50 E	68	10	23	1535	-1		23.7	XBT
0170	10 41 S	011 39 E	68	10	23	1640	-1	2050	23.5	HYDRO
0170	10 41 S	011 39 E	68	10	23	1640	-1	2050	23.5	BT
0170	10 41 S	011 39 E	68	10	23	1640	-1	2050	23.5	DRIFT BOTTLE
0170	10 41 S	011 39 E	68	10	23	1640	-1	2050	23.5	ICITA NET
0171	10 51 S	011 24 E	68	10	23	2002	-1	2488	23.5	XBT
0172	11 00 S	011 09 E	68	10	23	2134	-1	1445	23.2	HYDRO
0172	11 00 S	011 09 E	68	10	23	2134	-1	1445	23.2	BT
0172	11 00 S	011 09 E	68	10	23	2134	-1	1445	23.2	ICITA NET
0173	10 49 S	011 11 E	68	10	24	0134	-1	3642	23.3	XBT
0174	10 30 S	011 12 E	68	10	24	0249	-1	2837	23.7	HYDRO
0174	10 30 S	011 12 E	68	10	24	0249	-1	2837	23.7	BT
0174	10 30 S	011 12 E	68	10	24	0249	-1	2837	23.7	DRIFT BOTTLE
0174	10 30 S	011 12 E	68	10	24	0249	-1	2837	23.7	ICITA NET
0175	10 24 S	011 30 E	68	10	24	0635	-1	2031	23.6	BT
0176	10 15 S	011 44 E	68	10	24	0805	-1	1866	23.6	HYDRO
0176	10 15 S	011 44 E	68	10	24	0805	-1	1866	23.6	BT
0176	10 15 S	011 44 E	68	10	24	0805	-1	1866	23.6	XBT
0176	10 15 S	011 44 E	68	10	24	0805	-1	1866	23.6	DRIFT BOTTLE
0176	10 15 S	011 44 E	68	10	24	0805	-1	1866	23.6	ICITA NET
0177	10 08 S	011 52 E	68	10	24	1058	-1	2050	23.6	XBT
0178	10 02 S	012 18 E	68	10	24	1205	-1	1885	23.7	HYDRO
0178	10 02 S	012 18 E	68	10	24	1205	-1	1885	23.7	BT
0178	10 02 S	012 18 E	68	10	24	1205	-1	1885	23.7	DRIFT BOTTLE
0178	10 02 S	012 18 E	68	10	24	1205	-1	1885	23.7	PRODUCTIVITY
0178	10 02 S	012 18 E	68	10	24	1205	-1	1885	23.7	ICITA NET
0179	09 57 S	012 18 E	68	10	24	1539	-1	1830	23.6	XBT
0180	09 51 S	012 32 E	68	10	24	1701	-1	1190	23.4	XBT
0181	09 43 S	012 51 E	68	10	24	1829	-1	0475	23.5	HYDRO
0181	09 43 S	012 51 E	68	10	24	1829	-1	0475	23.5	BT

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0181	09 43 S	012 51 E	68	10	24	1829	-1	0475	23.5	ICITA NET
0181	09 43 S	012 51 E	68	10	24	1829	-1	0475	23.5	NIGHT LIGHT
0182	09 41 S	012 56 E	68	10	24	2043	-1	0107	23.1	XBT
0183	09 39 S	012 58 E	68	10	24	2103	-1	0092	22.9	XBT
0184	09 32 S	013 00 E	68	10	24	2250	-1	0068	23.1	XBT
0185	09 00 S	012 48 E	68	10	25	0200	-1	0585	23.2	BT
0185	09 00 S	012 48 E	68	10	25	0200	-1	0585	23.2	ICITA NET
0186	09 04 S	012 50 E	68	10	25	0415	-1	0320	22.8	HYDRO
0186	09 04 S	012 50 E	68	10	25	0415	-1	0320	22.8	BT
0186	09 04 S	012 50 E	68	10	25	0415	-1	0320	22.8	ICITA NET
0187	09 10 S	012 35 E	68	10	25	0708	-1	0659	23.5	XBT
0188	09 11 S	012 36 E	68	10	25	0705	-1	0659	.	FISH LVE BAIT
0189	09 16 S	012 23 E	68	10	25	0915	-1	1281	23.7	HYDRO
0189	09 16 S	012 23 E	68	10	25	0915	-1	1281	23.7	BT
0189	09 16 S	012 23 E	68	10	25	0915	-1	1281	23.7	DRIFT BOTTLE
0189	09 16 S	012 23 E	68	10	25	0915	-1	1281	23.7	ICITA NET
0189	09 16 S	012 23 E	68	10	25	0915	-1	1281	23.7	FISH LVE BAIT
0190	09 26 S	012 08 E	68	10	25	1310	-1		23.5	XBT
0190	09 26 S	012 08 E	68	10	25	1310	-1		23.5	PRODUCTIVITY
0191	09 35 S	011 54 E	68	10	25	1455	-1	2010	24.9	HYDRO
0191	09 35 S	011 54 E	68	10	25	1455	-1	2010	24.9	BT
0191	09 35 S	011 54 E	68	10	25	1455	-1	2010	24.9	DRIFT BOTTLE
0191	09 35 S	011 54 E	68	10	25	1455	-1	2010	24.9	ICITA NET
0192	09 42 S	011 40 E	68	10	25	1800	-1	2104	24.2	XBT
0193	09 49 S	011 27 E	68	10	25	1925	-1	2305	24.4	HYDRO
0193	09 49 S	011 27 E	68	10	25	1925	-1	2305	24.4	BT
0193	09 49 S	011 27 E	68	10	25	1925	-1	2305	24.4	ICITA NET
0193	09 49 S	011 27 E	68	10	25	1925	-1	2305	24.4	NIGHT LIGHT
0194	09 23 S	011 19 E	68	10	25	2325	-1	2379	23.9	XBT
0194	09 23 S	011 19 E	68	10	25	2325	-1	2379	23.9	ICITA NET
0195	09 17 S	011 13 E	68	10	26	0255	-1	2562	24.1	HYDRO
0195	09 17 S	011 13 E	68	10	26	0255	-1	2562	24.1	BT
0195	09 17 S	011 13 E	68	10	26	0255	-1	2562	24.1	ICITA NET
0196	09 11 S	011 28 E	68	10	26	0617	-1		24.2	XBT
0197	09 04 S	011 41 E	68	10	26	0725	-1	2200	24.6	HYDRO
0197	09 04 S	011 41 E	68	10	26	0725	-1	2200	24.6	BT
0197	09 04 S	011 41 E	68	10	26	0725	-1	2200	24.6	DRIFT BOTTLE
0197	09 04 S	011 41 E	68	10	26	0725	-1	2200	24.6	ICITA NET
0198	09 00 S	011 53 E	68	10	26	1035	-1	2070	25.4	XBT
0199	08 51 S	011 58 E	68	10	26	1200	-1	1885	26.3	XBT
0200	08 45 S	012 08 E	68	10	26	1235	-1	1866	25.5	HYDRO
0200	08 45 S	012 08 E	68	10	26	1235	-1	1866	25.5	BT
0200	08 45 S	012 08 E	68	10	26	1235	-1	1866	25.5	DRIFT BOTTLE
0200	08 45 S	012 08 E	68	10	26	1235	-1	1866	25.5	PRODUCTIVITY
0200	08 45 S	012 08 E	68	10	26	1235	-1	1866	25.5	ICITA NET
0200	08 45 S	012 08 E	68	10	26	1235	-1	1866	25.5	FISH LVE BAIT
0201	08 43 S	012 22 E	68	10	26	1620	-1	1647	25.4	XBT
0202	08 36 S	012 36 E	68	10	26	1745	-1	1006	24.7	HYDRO
0202	08 36 S	012 36 E	68	10	26	1745	-1	1006	24.7	BT
0202	08 36 S	012 36 E	68	10	26	1745	-1	1006	24.7	DRIFT BOTTLE
0202	08 36 S	012 36 E	68	10	26	1745	-1	1006	24.7	ICITA NET
0203	08 27 S	012 50 E	68	10	26	2106	-1	0225	24.3	XBT
0204	08 19 S	013 05 E	68	10	26	2215	-1	0089	24.1	HYDRO
0204	08 19 S	013 05 E	68	10	26	2215	-1	0089	24.1	BT
0204	08 19 S	013 05 E	68	10	26	2215	-1	0089	24.1	ICITA NET
0205	08 12 S	013 01 E	68	10	26	2359	-1	0084	23.9	XBT

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0206	08 05 S	012 58 E	68	10	27	0044	-1	0085	24.1	XBT
0207	07 58 S	012 54 E	68	10	27	0129	-1	0084	23.6	XBT
0208	07 51 S	012 52 E	68	10	27	0205	-1	0093	23.8	HYDRO
0208	07 51 S	012 52 E	68	10	27	0205	-1	0093	23.8	BT
0208	07 51 S	012 52 E	68	10	27	0205	-1	0093	23.8	DRIFT BOTTLE
0208	07 51 S	012 52 E	68	10	27	0205	-1	0093	23.8	ICITA NET
0209	07 58 S	012 36 E	68	10	27	0612	-1	0756	24.1	XBT
0210	08 06 S	012 23 E	68	10	27	0725	-1	1464	24.5	HYDRO
0210	08 06 S	012 23 E	68	10	27	0725	-1	1464	24.5	BT
0210	08 06 S	012 23 E	68	10	27	0725	-1	1464	24.5	DRIFT BOTTLE
0210	08 06 S	012 23 E	68	10	27	0725	-1	1464	24.5	ICITA NET
0211	08 10 S	012 16 E	68	10	27	1010	-1	1592	25.2	XBT
0211	08 10 S	012 16 E	68	10	27	1010	-1	1592	25.2	ICITA NET
0211	08 10 S	012 16 E	68	10	27	1010	-1	1592	25.2	FISH LVE BAIT
0212	08 13 S	012 10 E	68	10	27	1119	-1	1739	25.4	XBT
0213	08 20 S	011 55 E	68	10	27	1235	-1	1920	25.2	HYDRO
0213	08 20 S	011 55 E	68	10	27	1235	-1	1920	25.2	BT
0213	08 20 S	011 55 E	68	10	27	1235	-1	1920	25.2	DRIFT BOTTLE
0213	08 20 S	011 55 E	68	10	27	1235	-1	1920	25.2	PRODUCTIVITY
0213	08 20 S	011 55 E	68	10	27	1235	-1	1920	25.2	ICITA NET
0214	08 26 S	011 41 E	68	10	27	1605	-1	2178	24.8	XBT
0215	08 34 S	011 25 E	68	10	27	1730	-1	2324	24.5	HYDRO
0215	08 34 S	011 25 E	68	10	27	1730	-1	2324	24.5	XBT
0215	08 34 S	011 25 E	68	10	27	1730	-1	2324	24.5	DRIFT BOTTLE
0215	08 34 S	011 25 E	68	10	27	1730	-1	2324	24.5	ICITA NET
0216	08 41 S	011 14 E	68	10	27	2108	-1	2672	24.4	XBT
0217	08 49 S	011 02 E	68	10	27	2235	-1	2882	24.6	HYDRO
0217	08 49 S	011 02 E	68	10	27	2235	-1	2882	24.6	BT
0217	08 49 S	011 02 E	68	10	27	2235	-1	2882	24.6	DRIFT BOTTLE
0217	08 49 S	011 02 E	68	10	27	2235	-1	2882	24.6	ICITA NET
0218	08 35 S	010 53 E	68	10	28	0205	-1	3111	24.1	XBT
0219	08 21 S	010 45 E	68	10	28	0335	-1	3184	24.4	XBT
0220	08 14 S	010 58 E	68	10	28	0500	-1	2599	24.7	HYDRO
0220	08 14 S	010 58 E	68	10	28	0500	-1	2599	24.7	XBT
0220	08 14 S	010 58 E	68	10	28	0500	-1	2599	24.7	ICITA NET
0221	08 06 S	011 07 E	68	10	28	0720	-1	2251	24.8	XBT
0222	07 57 S	011 24 E	68	10	28	0850	-1	2178	25.3	HYDRO
0222	07 57 S	011 24 E	68	10	28	0850	-1	2178	25.3	BT
0222	07 57 S	011 24 E	68	10	28	0850	-1	2178	25.3	DRIFT BOTTLE
0222	07 57 S	011 24 E	68	10	28	0850	-1	2178	25.3	ICITA NET
0223	07 55 S	011 26 E	68	10	28	1140	-1	1848	25.3	XBT
0223	07 55 S	011 26 E	68	10	28	1140	-1	1848	25.3	PRODUCTIVITY
0224	07 50 S	011 49 E	68	10	28	1305	-1	1556	25.1	HYDRO
0224	07 50 S	011 49 E	68	10	28	1305	-1	1556	25.1	BT
0224	07 50 S	011 49 E	68	10	28	1305	-1	1556	25.1	DRIFT BOTTLE
0224	07 50 S	011 49 E	68	10	28	1305	-1	1556	25.1	ICITA NET
0224	07 50 S	011 49 E	68	10	28	1305	-1	1556	25.1	FISH LVE BAIT
0225	07 44 S	012 02 E	68	10	28	1718	-1	1080	24.5	XBT
0226	07 37 S	012 16 E	68	10	28	1840	-1	0823	24.9	HYDRO
0226	07 37 S	012 16 E	68	10	28	1840	-1	0823	24.9	BT
0226	07 37 S	012 16 E	68	10	28	1840	-1	0823	24.9	DRIFT BOTTLE
0226	07 37 S	012 16 E	68	10	28	1840	-1	0823	24.9	ICITA NET
0227	07 31 S	012 29 E	68	10	28	2139	-1	0122	24.9	XBT
0228	07 20 S	012 41 E	68	10	28	2319	-1	0055	25.0	HYDRO
0228	07 20 S	012 41 E	68	10	28	2319	-1	0055	25.0	BT
0228	07 20 S	012 41 E	68	10	28	2319	-1	0055	25.0	DRIFT BOTTLE

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0228	07 20 S	012 41 E	68	10	28	2319	-1	0055	25.0	ICITA NET
0228	07 20 S	012 41 E	68	10	28	2319	-1	0055	25.0	NIGHT LIGHT
0229	07 09 S	012 30 E	68	10	29	0150	-1	0045	25.1	XBT
0230	06 54 S	012 17 E	68	10	29	0325	-1	0052	25.3	HYDRO
0230	06 54 S	012 17 E	68	10	29	0325	-1	0052	25.3	BT
0230	06 54 S	012 17 E	68	10	29	0325	-1	0052	25.3	DRIFT BOTTLE
0230	06 54 S	012 17 E	68	10	29	0325	-1	0052	25.3	ICITA NET
0231	07 00 S	012 06 E	68	10	29	0558	-1		24.7	FISHING TROLL
0232	07 02 S	012 04 E	68	10	29	0605	-1	0109	24.7	XBT
0233	07 08 S	011 51 E	68	10	29	0736	-1	0641	24.8	HYDRO
0233	07 08 S	011 51 E	68	10	29	0736	-1	0641	24.8	BT
0233	07 08 S	011 51 E	68	10	29	0736	-1	0641	24.8	DRIFT BOTTLE
0233	07 08 S	011 51 E	68	10	29	0736	-1	0641	24.8	ICITA NET
0234	07 13 S	011 43 E	68	10	29	1040	-1	0878	25.1	XBT
0234	07 13 S	011 43 E	68	10	29	1040	-1	0878	25.1	PRODUCTIVITY
0235	07 24 S	011 27 E	68	10	29	1250	-1	1501	25.0	HYDRO
0235	07 24 S	011 27 E	68	10	29	1250	-1	1501	25.0	BT
0235	07 24 S	011 27 E	68	10	29	1250	-1	1501	25.0	DRIFT BOTTLE
0235	07 24 S	011 27 E	68	10	29	1250	-1	1501	25.0	ICITA NET
0236	07 31 S	011 13 E	68	10	29	1558	-1	2013	25.0	XBT
0237	07 30 S	011 11 E	68	10	29	1630	-1	2100	25.0	FISHING TROLL
0238	07 40 S	010 59 E	68	10	29	1740	-1	2416	24.9	HYDRO
0238	07 40 S	010 59 E	68	10	29	1740	-1	2416	24.9	BT
0238	07 40 S	010 59 E	68	10	29	1740	-1	2416	24.9	DRIFT BOTTLE
0238	07 40 S	010 59 E	68	10	29	1740	-1	2416	24.9	ICITA NET
0238	07 40 S	010 59 E	68	10	29	1740	-1	2416	24.9	NIGHT LIGHT
0239	07 45 S	010 47 E	68	10	29	2045	-1	2580	24.7	XBT
0240	07 52 S	010 34 E	68	10	29	2210	-1	3660	24.8	HYDRO
0240	07 52 S	010 34 E	68	10	29	2210	-1	3660	24.8	BT
0240	07 52 S	010 34 E	68	10	29	2210	-1	3660	24.8	DRIFT BOTTLE
0240	07 52 S	010 34 E	68	10	29	2210	-1	3660	24.8	ICITA NET
0240	07 52 S	010 34 E	68	10	29	2210	-1	3660	24.8	NIGHT LIGHT
0241	08 17 S	010 59 E	68	10	30	1400	-1	2708	24.9	XBT
0242	08 45 S	011 15 E	68	10	30	1700	-1	2434	24.8	XBT
0243	09 13 S	011 30 E	68	10	30	1940	-1	2123	24.7	XBT
0244	09 38 S	011 45 E	68	10	30	2220	-1	1976	24.4	XBT
0245	10 04 S	012 01 E	68	10	31	0155	-1	1848	.	XBT
0246	10 27 S	012 17 E	68	10	31	0329	-1	1555	24.0	XBT
0247	10 54 S	012 33 E	68	10	31	0603	-1	1456	23.6	XBT
0248	11 25 S	012 54 E	68	10	31	0918	-1	2000	23.4	XBT
0249	11 38 S	013 02 E	68	10	31	1030	-1	1391	23.5	FISHING TROLL
0250	11 54 S	013 10 E	68	10	31	1143	-1	1061	23.5	XBT
0251	12 15 S	013 28 E	68	10	31	1403	-1	0094	21.7	XBT
0252	12 20 S	013 00 E	68	11	02	2050	-1	1171	23.3	HYDRO
0252	12 20 S	013 00 E	68	11	02	2050	-1	1171	23.3	BT
0252	12 20 S	013 00 E	68	11	02	2050	-1	1171	23.3	CLOSING NET
0253	10 33 S	012 46 E	68	11	03	1510	-1	1116	25.1	BT
0253	10 33 S	012 46 E	68	11	03	1510	-1	1116	25.1	FISHING TRAWL
0253	10 33 S	012 46 E	68	11	03	1510	-1	1116	25.1	FISH LVE BAIT
0254	09 31 S	012 24 E	68	11	03	2245	-1	0865	24.9	BT
0254	09 31 S	012 24 E	68	11	03	2245	-1	0865	24.9	ICITA NET
0254	09 31 S	012 24 E	68	11	03	2245	-1	0865	24.9	CLOSING NET
0255	09 11 S	012 38 E	68	11	04	2300	-1	0512	25.0	BT
0255	09 11 S	012 38 E	68	11	04	2300	-1	0512	25.0	ICITA NET
0256	09 40 S	013 12 E	68	11	07	1730	-1	0015	22.3	BAITING
0257	09 51 S	013 12 E	68	11	08	0840	-1	0020	23.9	FISHING TROLL

UNDAUNTED 6802

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0258	10 17 S	013 24 E	68	11	08	1145	-1	0046	24.5	ICITA NET
0259	10 44 S	013 44 E	68	11	08	1525	-1	0010	23.6	BAITING
0260	11 17 S	013 49 E	68	11	09	1353	-1	0009	23.2	BAITING
0261	11 29 S	013 42 E	68	11	10	0825	-1	0037	23.7	FISHING TROLL
0262	11 39 S	013 36 E	68	11	10	0926	-1		24.2	SATELLITE
0263	12 00 S	013 20 E	68	11	10	1155	-1	0405	24.9	PRODUCTIVITY
0263	12 00 S	013 20 E	68	11	10	1155	-1	0405	24.9	ICITA NET
0263	12 00 S	013 20 E	68	11	10	1155	-1	0405	24.9	FISHING TRAWL
0264	12 36 S	013 20 E	68	11	11	1700	-1		23.4	BAITING
0265	11 48 S	012 29 E	68	11	11	2325	-1	1885	24.3	HYDRO
0265	11 48 S	012 29 E	68	11	11	2325	-1	1885	24.3	BT
0265	11 48 S	012 29 E	68	11	11	2325	-1	1885	24.3	XBT
0265	11 48 S	012 29 E	68	11	11	2325	-1	1885	24.3	DRIFT BOTTLE
0265	11 48 S	012 29 E	68	11	11	2325	-1	1885	24.3	ICITA NET
0265	11 48 S	012 29 E	68	11	11	2325	-1	1885	24.3	CLOSING NET
0265	11 48 S	012 29 E	68	11	11	2325	-1	1885	24.3	FISHING TRAWL
0266	12 02 S	012 51 E	68	11	12	0805	-1	1501	24.1	XBT
0266	12 02 S	012 51 E	68	11	12	0805	-1	1501	24.1	SATELLITE
0266	12 02 S	012 51 E	68	11	12	0805	-1	1501	24.1	ICITA NET
0266	12 02 S	012 51 E	68	11	12	0805	-1	1501	24.1	FISHING TRAWL
0266	12 02 S	012 51 E	68	11	12	0805	-1	1501	24.1	FISH LVE BAIT
0267	12 12 S	013 05 E	68	11	12	1155	-1	1080	25.6	XBT
0267	12 12 S	013 05 E	68	11	12	1155	-1	1080	25.6	PRODUCTIVITY
0267	12 12 S	013 05 E	68	11	12	1155	-1	1080	25.6	ICITA NET
0267	12 12 S	013 05 E	68	11	12	1155	-1	1080	25.6	FISHING TRAWL
0267	12 12 S	013 05 E	68	11	12	1155	-1	1080	25.6	FISH LVE BAIT
0268	12 16 S	013 14 E	68	11	12	1350	-1	0860	25.9	XBT
0268	12 16 S	013 14 E	68	11	12	1350	-1	0860	25.9	ICITA NET
0268	12 16 S	013 14 E	68	11	12	1350	-1	0860	25.9	CLOSING NET
0268	12 16 S	013 14 E	68	11	12	1350	-1	0860	25.9	FISHING TRAWL
0269	12 17 S	012 47 E	68	11	12	1748	-1	1464	24.7	HYDRO
0269	12 17 S	012 47 E	68	11	12	1748	-1	1464	24.7	BT
0269	12 17 S	012 47 E	68	11	12	1748	-1	1464	24.7	XBT
0269	12 17 S	012 47 E	68	11	12	1748	-1	1464	24.7	DRIFT BOTTLE
0269	12 17 S	012 47 E	68	11	12	1748	-1	1464	24.7	ICITA NET
0269	12 17 S	012 47 E	68	11	12	1748	-1	1464	24.7	CLOSING NET
0269	12 17 S	012 47 E	68	11	12	1748	-1	1464	24.7	FISHING TRAWL
0269	12 17 S	012 47 E	68	11	12	1748	-1	1464	24.7	MISC FISHING
0270	12 17 S	012 18 E	68	11	13	0717	-1	1903	23.9	XBT
0270	12 17 S	012 18 E	68	11	13	0717	-1	1903	23.9	SATELLITE
0270	12 17 S	012 18 E	68	11	13	0717	-1	1903	23.9	ICITA NET
0270	12 17 S	012 18 E	68	11	13	0717	-1	1903	23.9	FISHING TRAWL
0271	12 28 S	012 23 E	68	11	13	1010	-1	1830	24.2	XBT
0271	12 28 S	012 23 E	68	11	13	1010	-1	1830	24.2	SATELLITE
0271	12 28 S	012 23 E	68	11	13	1010	-1	1830	24.2	PRODUCTIVITY
0272	12 31 S	012 26 E	68	11	13	1118	-1	1885	24.9	XBT
0272	12 31 S	012 26 E	68	11	13	1118	-1	1885	24.9	ICITA NET
0272	12 31 S	012 26 E	68	11	13	1118	-1	1885	24.9	FISHING TRAWL
0272	12 31 S	012 26 E	68	11	13	1118	-1	1885	24.9	FISH LVE BAIT
0273	12 39 S	012 32 E	68	11	13	1316	-1	1647	25.0	XBT
0273	12 39 S	012 32 E	68	11	13	1316	-1	1647	25.0	ICITA NET
0274	13 01 S	012 43 E	68	11	13	1626	-1	0897	23.5	XBT
0275	13 03 S	012 31 E	68	11	13	1736	-1	1656	24.3	HYDRO
0275	13 03 S	012 31 E	68	11	13	1736	-1	1656	24.3	BT
0275	13 03 S	012 31 E	68	11	13	1736	-1	1656	24.3	XBT
0275	13 03 S	012 31 E	68	11	13	1736	-1	1656	24.3	DRIFT BOTTLE

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0275	13 03 S	012 31 E	68	11	13	1736	-1	1656	24.3	ICITA NET
0275	13 03 S	012 31 E	68	11	13	1736	-1	1656	24.3	CLOSING NET
0275	13 03 S	012 31 E	68	11	13	1736	-1	1656	24.3	FISHING TRAWL
0276	13 04 S	012 16 E	68	11	14	0555	-1		23.9	XBT
0276	13 04 S	012 16 E	68	11	14	0555	-1		23.9	ICITA NET
0276	13 04 S	012 16 E	68	11	14	0555	-1		23.9	CLOSING NET
0277	13 05 S	012 08 E	68	11	14	0720	-1	2251	22.9	SATELLITE
0278	13 07 S	012 02 E	68	11	14	0759	-1	2672	23.0	XBT
0278	13 07 S	012 02 E	68	11	14	0759	-1	2672	23.0	SATELLITE
0278	13 07 S	012 02 E	68	11	14	0759	-1	2672	23.0	ICITA NET
0278	13 07 S	012 02 E	68	11	14	0759	-1	2672	23.0	FISHING TRAWL
0279	13 28 S	012 07 E	68	11	14	1153	-1	2562	23.7	XBT
0279	13 28 S	012 07 E	68	11	14	1153	-1	2562	23.7	PRODUCTIVITY
0279	13 26 S	012 07 E	68	11	14	1153	-1	2562	23.7	ICITA NET
0280	13 43 S	012 19 E	68	11	14	1430	-1	1702	21.9	XBT
0281	13 45 S	012 21 E	68	11	14	1441	-1	1175	21.9	XBT
0281	13 45 S	012 21 E	68	11	14	1441	-1	1175	21.9	ICITA NET
0281	13 45 S	012 21 E	68	11	14	1441	-1	1175	21.9	FISHING TRAWL
0282	13 52 S	012 07 E	68	11	14	1515	-1	1830	22.8	HYDRO
0282	13 52 S	012 07 E	68	11	14	1515	-1	1830	22.8	BT
0282	13 52 S	012 07 E	68	11	14	1515	-1	1830	22.8	XBT
0282	13 52 S	012 07 E	68	11	14	1515	-1	1830	22.8	DRIFT BOTTLE
0282	13 52 S	012 07 E	68	11	14	1515	-1	1830	22.8	SATELLITE
0282	13 52 S	012 07 E	68	11	14	1515	-1	1830	22.8	ICITA NET
0282	13 52 S	012 07 E	68	11	14	1515	-1	1830	22.8	CLOSING NET
0282	13 52 S	012 07 E	68	11	14	1515	-1	1830	22.8	FISHING TRAWL
0283	14 04 S	011 32 E	68	11	15	0725	-1	2919	23.1	XBT
0283	14 04 S	011 32 E	68	11	15	0725	-1	2919	23.1	SATELLITE
0283	14 04 S	011 32 E	68	11	15	0725	-1	2919	23.1	ICITA NET
0283	14 04 S	011 32 E	68	11	15	0725	-1	2919	23.1	FISHING TRAWL
0284	14 09 S	011 39 E	68	11	15	1006	-1		.	SATELLITE
0285	14 16 S	011 52 E	68	11	15	1157	-1	2430	23.0	XBT
0285	14 16 S	011 52 E	68	11	15	1157	-1	2430	23.0	PRODUCTIVITY
0285	14 16 S	011 52 E	68	11	15	1157	-1	2430	23.0	ICITA NET
0286	14 28 S	012 10 E	68	11	15	1447	-1	1373	21.6	XBT
0286	14 28 S	012 10 E	68	11	15	1447	-1	1373	21.6	ICITA NET
0287	14 30 S	011 55 E	68	11	15	1700	-1	2233	21.6	HYDRO
0287	14 30 S	011 55 E	68	11	15	1700	-1	2233	21.6	BT
0287	14 30 S	011 55 E	68	11	15	1700	-1	2233	21.6	XBT
0287	14 30 S	011 55 E	68	11	15	1700	-1	2233	21.6	DRIFT BOTTLE
0287	14 30 S	011 55 E	68	11	15	1700	-1	2233	21.6	ICITA NET
0287	14 30 S	011 55 E	68	11	15	1700	-1	2233	21.6	CLOSING NET
0287	14 30 S	011 55 E	68	11	15	1700	-1	2233	21.6	FISHING TRAWL
0288	14 33 S	011 25 E	68	11	16	0640	-1	2635	20.6	XBT
0288	14 33 S	011 25 E	68	11	16	0640	-1	2635	20.6	DRIFT BOTTLE
0288	14 33 S	011 25 E	68	11	16	0640	-1	2635	20.6	SATELLITE
0288	14 33 S	011 25 E	68	11	16	0640	-1	2635	20.6	ICITA NET
0288	14 33 S	011 25 E	68	11	16	0640	-1	2635	20.6	FISHING TRAWL
0289	14 37 S	011 30 E	68	11	16	0810	-1	2745	21.0	SATELLITE
0290	14 52 S	011 41 E	68	11	16	1140	-1	2745	21.6	XBT
0290	14 52 S	011 41 E	68	11	16	1140	-1	2745	21.6	PRODUCTIVITY
0290	14 52 S	011 41 E	68	11	16	1140	-1	2745	21.6	ICITA NET
0291	15 10 S	011 57 E	68	11	16	1437	-1	0242	19.8	XBT
0291	15 10 S	011 57 E	68	11	16	1437	-1	0242	19.8	DRIFT BOTTLE
0291	15 10 S	011 57 E	68	11	16	1437	-1	0242	19.8	ICITA NET
0291	15 10 S	011 57 E	68	11	16	1437	-1	0242	19.8	FISHING TRAWL

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0292	15 12 S	011 48 E	68	11	16	1700	-1	1226	21.5	HYDRO
0292	15 12 S	011 48 E	68	11	16	1700	-1	1226	21.5	BT
0292	15 12 S	011 48 E	68	11	16	1700	-1	1226	21.5	XBT
0292	15 12 S	011 48 E	68	11	16	1700	-1	1226	21.5	DRIFT BOTTLE
0292	15 12 S	011 48 E	68	11	16	1700	-1	1226	21.5	ICITA NET
0292	15 12 S	011 48 E	68	11	16	1700	-1	1226	21.5	CLOSING NET
0292	15 12 S	011 48 E	68	11	16	1700	-1	1226	21.5	FISHING TRAWL
0292	15 12 S	011 48 E	68	11	16	1700	-1	1226	21.5	NIGHT LIGHT
0293	15 17 S	011 11 E	68	11	17	0806	-1	2617	21.5	XBT
0293	15 17 S	011 11 E	68	11	17	0806	-1	2617	21.5	SATELLITE
0293	15 17 S	011 11 E	68	11	17	0806	-1	2617	21.5	ICITA NET
0293	15 17 S	011 11 E	68	11	17	0806	-1	2617	21.5	FISHING TRAWL
0294	15 40 S	011 22 E	68	11	17	1237	-1	2010	20.0	XBT
0294	15 40 S	011 22 E	68	11	17	1237	-1	2010	20.0	PRODUCTIVITY
0294	15 40 S	011 22 E	68	11	17	1237	-1	2010	20.0	ICITA NET
0295	15 53 S	011 27 E	68	11	17	1500	-1	1299	18.4	FISHING TROLL
0296	15 59 S	011 31 E	68	11	17	1540	-1	1153	18.5	XBT
0296	15 59 S	011 31 E	68	11	17	1540	-1	1153	18.5	ICITA NET
0297	16 03 S	011 24 E	68	11	17	1700	-1	1958	18.3	HYDRO
0297	16 03 S	011 24 E	68	11	17	1700	-1	1958	18.3	XBT
0297	16 03 S	011 24 E	68	11	17	1700	-1	1958	18.3	DRIFT BOTTLE
0297	16 03 S	011 24 E	68	11	17	1700	-1	1958	18.3	ICITA NET
0297	16 03 S	011 24 E	68	11	17	1700	-1	1958	18.3	CLOSING NET
0298	15 55 S	011 16 E	68	11	18	0450	-1	1867	17.8	FISHING TROLL
0299	16 05 S	010 54 E	68	11	18	0706	-1	2580	20.8	SATELLITE
0300	16 08 S	010 47 E	68	11	18	0815	-1	3166	21.0	XBT
0300	16 08 S	010 47 E	68	11	18	0815	-1	3166	21.0	SATELLITE
0300	16 08 S	010 47 E	68	11	18	0815	-1	3166	21.0	ICITA NET
0300	16 08 S	010 47 E	68	11	18	0815	-1	3166	21.0	FISHING TRAWL
0301	16 29 S	011 01 E	68	11	18	1225	-1	2434	20.6	XBT
0301	16 29 S	011 01 E	68	11	18	1225	-1	2434	20.6	DRIFT BOTTLE
0301	16 29 S	011 01 E	68	11	18	1225	-1	2434	20.6	PRODUCTIVITY
0301	16 29 S	011 01 E	68	11	18	1225	-1	2434	20.6	ICITA NET
0302	16 47 S	011 15 E	68	11	18	1600	-1	0421	16.6	XBT
0302	16 47 S	011 15 E	68	11	18	1600	-1	0421	16.6	ICITA NET
0303	16 57 S	010 56 E	68	11	18	1850	-1	2379	18.8	HYDRO
0303	16 57 S	010 56 E	68	11	18	1850	-1	2379	18.8	BT
0303	16 57 S	010 56 E	68	11	18	1850	-1	2379	18.8	DRIFT BOTTLE
0303	16 57 S	010 56 E	68	11	18	1850	-1	2379	18.8	ICITA NET
0303	16 57 S	010 56 E	68	11	18	1850	-1	2379	18.8	CLOSING NET
0303	16 57 S	010 56 E	68	11	18	1850	-1	2379	18.8	NIGHT LIGHT
0304	17 06 S	010 34 E	68	11	19	0610	-1	2900	19.3	XBT
0304	17 06 S	010 34 E	68	11	19	0610	-1	2900	19.3	ICITA NET
0304	17 06 S	010 34 E	68	11	19	0610	-1	2900	19.3	FISHING TRAWL
0305	17 10 S	010 40 E	68	11	19	0752	-1		19.0	SATELLITE
0305	17 10 S	010 40 E	68	11	19	0752	-1		19.0	FISHING TROLL
0306	17 14 S	010 49 E	68	11	19	0945	-1	2780	16.7	XBT
0306	17 14 S	010 49 E	68	11	19	0945	-1	2780	16.7	SATELLITE
0306	17 14 S	010 49 E	68	11	19	0945	-1	2780	16.7	PRODUCTIVITY
0306	17 14 S	010 49 E	68	11	19	0945	-1	2780	16.7	ICITA NET
0307	17 31 S	011 11 E	68	11	19	1341	-1	0950	16.6	XBT
0307	17 31 S	011 11 E	68	11	19	1341	-1	0950	16.6	ICITA NET
0307	17 31 S	011 11 E	68	11	19	1341	-1	0950	16.6	FISHING TRAWL
0308	13 47 S	011 44 E	68	11	19	0945	-1	3160	20.4	XBT
0308	13 47 S	011 44 E	68	11	19	0945	-1	3160	20.4	DRIFT BOTTLE
0308	13 47 S	011 44 E	68	11	19	0945	-1	3160	20.4	CLOSING NET

UNDAUNTED 6802

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERVATION
0309	13 47 S	011 44 E	68	11	20	1905	-1	3203	23.4	HYDRO
0309	13 47 S	011 44 E	68	11	20	1905	-1	3203	23.4	BT
0310	13 24 S	012 19 E	68	11	21	0746	-1	2050	22.1	SATELLITE
0311	13 00 S	012 35 E	68	11	21	0940	-1	2159	20.8	SATELLITE
0312	11 53 S	013 02 E	68	11	22	0840	-1	1373	25.3	BT
0312	11 53 S	013 02 E	68	11	22	0840	-1	1373	25.3	SATELLITE
0313	05 54 S	010 12 E	68	11	24	0949	-1		27.0	XBT

APPENDIX 1 (continued)

UNDAUNTED CRUISE 6902

April 14 to 17, 1969

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERV
0001	26 20 N	079 55 W	69	04	14	2110	+5	0270	25.8	STD BT
0001	26 20 N	079 55 W	69	04	14	2110	+5	0270	25.8	ZOOPLANK
0002	26 47 N	079 52 W	69	04	15	0005	+5	0302	.	STD BT
0002	26 47 N	079 52 W	69	04	15	0005	+5	0302	.	ZOOPLANK
0003	26 55 N	079 42 W	69	04	15	0203	+5	0549	25.6	STD BT
0003	26 55 N	079 42 W	69	04	15	0203	+5	0549	25.6	ZOOPLANK
0004	26 55 N	079 41 W	69	04	15	0240	+5	0493	25.6	NIGHT LI
0005	27 10 N	079 40 W	69	04	15	0525	+5	0421	25.5	STD BT
0005	27 10 N	079 40 W	69	04	15	0525	+5	0421	25.5	ZOOPLANK
0006	27 05 N	079 42 W	69	04	15	0615	+5	0457	25.6	ZOOPLANK
0007	27 10 N	079 39 W	69	04	15	1200	+5	0471	25.8	STD BT
0007	27 10 N	079 39 W	69	04	15	1200	+5	0471	25.8	ZOOPLANK
0008	27 10 N	079 42 W	69	04	15	1355	+5	0375	25.9	ZOOPLANK
0009	27 10 N	079 45 W	69	04	15	1426	+5	0347	25.6	STD BT
0009	27 10 N	079 45 W	69	04	15	1426	+5	0347	25.6	ZOOPLANK
0010	27 10 N	079 48 W	69	04	15	1515	+5	0293	25.2	ZOOPLANK
0011	27 10 N	079 50 W	69	04	15	1545	+5	0194	25.8	STD BT
0011	27 10 N	079 50 W	69	04	15	1545	+5	0194	25.8	ZOOPLANK
0012	27 10 N	079 52 W	69	04	15	1700	+5	0210	25.5	ZOOPLANK
0013	27 10 N	079 55 W	69	04	15	1849	+5	0129	25.1	STD BT
0013	27 10 N	079 55 W	69	04	15	1849	+5	0129	25.1	ZOOPLANK
0014	27 10 N	079 57 W	69	04	15	1931	+5	0070	24.6	ZOOPLANK
0015	27 10 N	080 00 W	69	04	15	1956	+5	0043	24.4	STD BT
0015	27 10 N	080 00 W	69	04	15	1956	+5	0043	24.4	ZOOPLANK
0016	27 10 N	080 02 W	69	04	15	2051	+5	0033	24.5	ZOOPLANK
0017	27 10 N	080 04 W	69	04	15	2116	+5	0015	24.6	ZOOPLANK
0018	27 50 N	080 00 W	69	04	16	0230	+5	0047	25.1	ZOOPLANK
0019	27 49 N	079 49 W	69	04	16	0500	+5	0252	25.6	ZOOPLANK
0020	27 50 N	079 39 W	69	04	16	0740	+5	0453	25.8	ZOOPLANK
0021	27 50 N	079 40 W	69	04	16	1215	+5	0453	25.9	STD BT
0021	27 50 N	079 40 W	69	04	16	1215	+5	0453	25.9	ZOOPLANK
0022	27 50 N	079 42 W	69	04	16	1320	+5	0378	25.9	STD BT
0022	27 50 N	079 42 W	69	04	16	1320	+5	0378	25.9	ZOOPLANK
0023	27 50 N	079 44 W	69	04	16	1400	+5	0324	25.9	STD BT
0023	27 50 N	079 44 W	69	04	16	1400	+5	0324	25.9	ZOOPLANK
0024	27 50 N	079 49 W	69	04	16	1541	+5	0252	25.7	STD BT
0024	27 50 N	079 49 W	69	04	16	1541	+5	0252	25.7	ZOOPLANK
0025	27 50 N	079 55 W	69	04	16	1634	+5	0126	25.1	STD BT
0025	27 50 N	079 55 W	69	04	16	1634	+5	0126	25.1	ZOOPLANK
0026	27 50 N	080 00 W	69	04	16	1725	+5	0047	24.9	STD BT
0026	27 50 N	080 00 W	69	04	16	1725	+5	0047	24.9	ZOOPLANK
0027	27 50 N	080 05 W	69	04	16	1824	+5	0031	24.7	ZOOPLANK
0028	27 50 N	080 10 W	69	04	16	1852	+5	0022	24.4	ZOOPLANK
0029	27 50 N	080 15 W	69	04	16	1928	+5	0014	23.8	ZOOPLANK
0030	28 02 N	080 16 W	69	04	16	2100	+5	0022	24.6	ZOOPLANK
0031	28 15 N	080 18 W	69	04	16	2227	+5	0022	22.8	ZOOPLANK
0032	28 38 N	079 56 W	69	04	17	0140	+5	0238	25.8	ZOOPLANK
0033	28 34 N	080 12 W	69	04	17	0523	+5	0037	.	SCALLOP
0034	28 34 N	080 12 W	69	04	17	0558	+5	0038	.	SCALLOP
0035	28 34 N	080 12 W	69	04	17	0623	+5	0038	.	SCALLOP
0036	28 34 N	080 12 W	69	04	17	0716	+5	0046	.	SCALLOP
0037	28 34 N	080 12 W	69	04	17	0757	+5	0044	.	SCALLOP
0038	28 34 N	080 12 W	69	04	17	0840	+5	0042	.	SCALLOP
0039	28 19 N	080 10 W	69	04	17	1800	+5	0040	23.6	ZOOPLANK

STA	LATITUDE	LONGITUDE	YR	MO	DA	STA ARRIVAL	TIME ZONE	DEPTH (M)	SURF TEMP	OBSERV
0040	28 20 N	080 05 W	69	04	17	1842	+5	0049	25.0	STD BT
0040	28 20 N	080 05 W	69	04	17	1842	+5	0049	25.0	ZOOPLANK
0041	28 20 N	080 00 W	69	04	17	1925	+5	0066	25.4	STD BT
0041	28 20 N	080 00 W	69	04	17	1925	+5	0066	25.4	ZOOPLANK
0042	28 20 N	079 55 W	69	04	17	2013	+5	0183	25.9	STD BT
0042	28 20 N	079 55 W	69	04	17	2013	+5	0183	25.9	ZOOPLANK
0043	28 20 N	079 50 W	69	04	17	2055	+5	0311	26.2	STD BT
0043	28 20 N	079 50 W	69	04	17	2055	+5	0311	26.2	ZOOPLANK
0044	28 20 N	079 45 W	69	04	17	2145	+5	0410	26.2	STD BT
0044	28 20 N	079 45 W	69	04	17	2145	+5	0410	26.2	ZOOPLANK
0045	28 20 N	079 40 W	69	04	17	2243	+5	0396	26.2	STD BT
0045	28 20 N	079 40 W	69	04	17	2243	+5	0396	26.2	ZOOPLANK

APPENDIX 1 (continued)

UNDAUNTED CRUISE 6903

June 19 to August 10, 1969

OBSERVATION CODES

DB	- Drift bottle
MISC FISH	- Miscellaneous fishing
NL	- Night light
P	- Productivity
PHYTO	- Phytoplankton
PP	- Plant pigment
R	- Rosette sampler
STD-BT	- STD and bathythermograph
STD-H	- STD and hydrographic
XBT	- Expendable BT
ZF	- Zooplankton-Forage

UNDAUNTED CRUISE 6903 June - August 1969

STA	LATITUDE	LONGITUDE	MO	DA	GMT	OBSERVATION
1	20 45 N	73 41 W	6	19	1710	XBT
2	17 39 N	67 00 W	6	21	1300	XBT
3	17 38 N	66 30 W	6	21	1552	XBT
4	17 40 N	66 00 W	6	21	1844	XBT
5	15 00 N	64 44 W	6	22	1300	XBT
6	14 42 N	64 46 W	6	22	1429	XBT
7	14 24 N	64 43 W	6	22	1600	XBT
8	14 08 N	64 46 W	6	22	1730	XBT
9	13 52 N	64 52 W	6	22	1900	XBT
10	13 35 N	64 49 W	6	22	2030	XBT
11	13 19 N	64 49 W	6	22	2200	XBT
12	13 02 N	64 49 W	6	22	2330	XBT
13	12 47 N	64 49 W	6	23	0100	XBT
14	12 33 N	64 48 W	6	23	0230	XBT
15	12 17 N	64 48 W	6	23	0400	XBT
16	12 04 N	64 48 W	6	23	0530	XBT
17	11 51 N	64 48 W	6	23	0700	XBT
18	11 36 N	64 47 W	6	23	0830	XBT
19	11 21 N	64 47 W	6	23	1000	XBT
20	11 16 N	64 44 W	6	23	1130	XBT
21	11 21 N	64 27 W	6	23	1300	XBT
22	11 28 N	64 10 W	6	23	1430	XBT
23	11 31 N	64 00 W	6	23	1530	XBT
24	11 45 N	64 00 W	6	23	1705	XBT ,STD-H
25	12 03 N	64 00 W	6	23	1900	XBT
26	12 20 N	64 03 W	6	23	2030	XBT
27	12 37 N	64 03 W	6	23	2200	XBT
28	12 52 N	64 04 W	6	23	2330	XBT
29	13 07 N	64 03 W	6	24	0100	XBT
30	13 22 N	64 03 W	6	24	0230	XBT
31	13 37 N	64 02 W	6	24	0400	XBT
32	13 53 N	64 01 W	6	24	0530	XBT
33	14 08 N	64 01 W	6	24	0700	XBT
34	14 24 N	64 01 W	6	24	0830	XBT
35	14 40 N	64 00 W	6	24	1000	XBT
36	14 55 N	64 00 W	6	24	1130	XBT
37	14 56 N	63 43 W	6	24	1330	XBT
38	14 54 N	64 19 W	6	24	1555	XBT
39	14 39 N	63 21 W	6	24	1755	XBT , STD-H, R
40	14 28 N	63 24 W	6	24	2030	XBT
41	14 15 N	63 26 W	6	24	2200	XBT
42	14 00 N	63 00 W	6	24	2330	XBT
43	13 47 N	63 26 W	6	25	0100	XBT
44	13 34 N	63 25 W	6	25	0230	XBT
45	13 19 N	63 23 W	6	25	0400	XBT
46	13 05 N	63 21 W	6	25	0530	XBT
47	12 54 N	63 20 W	6	25	0700	XBT
48	12 40 N	63 18 W	6	25	0830	XBT
49	12 25 N	63 18 W	6	25	1000	XBT
50	12 13 N	63 20 W	6	25	1130	XBT

UNDAUNTED CRUISE 6903 June - August 1969

STA	LATITUDE	LONGITUDE	MO	DA	GMT	OBSERVATION
51	12 01 N	63 22 W	6	25	1258	XBT
52	11 50 N	63 24 W	6	25	1426	XBT
53	11 36 N	63 25 W	6	25	1557	XBT
54	11 38 N	63 15 W	6	25	1730	XBT
55	11 37 N	63 04 W	6	25	1900	XBT
56	11 35 N	62 55 W	6	25	2030	XBT
57	11 35 N	62 41 W	6	25	2208	XBT
58	11 52 N	62 42 W	6	25	2335	XBT
59	12 09 N	62 41 W	6	26	0100	XBT
60	12 26 N	62 41 W	6	26	0230	XBT
61	12 43 N	62 41 W	6	26	0400	XBT
62	12 58 N	62 40 W	6	26	0530	XBT
63	13 15 N	62 40 W	6	26	0700	XBT
64	13 33 N	62 39 W	6	26	0830	XBT
65	13 48 N	62 39 W	6	25	1000	XBT
66	14 02 N	62 38 W	6	26	1129	XBT
67	14 15 N	62 35 W	6	26	1302	XBT
68	14 28 N	62 33 W	6	26	1432	XBT
69	14 41 N	62 30 W	6	26	1600	XBT
70	14 55 N	62 29 W	6	26	1745	XBT, STD-H
71	15 04 N	62 19 W	6	26	2028	XBT
72	15 04 N	62 03 W	6	26	2200	XBT
73	14 53 N	61 59 W	6	26	2330	XBT
74	14 38 N	61 59 W	6	27	0100	XBT
75	14 22 N	61 58 W	6	27	0230	XBT
76	14 07 N	61 57 W	6	27	0400	XBT
77	13 52 N	61 57 W	6	27	0530	XBT
78	13 37 N	61 57 W	6	27	0700	XBT
79	13 21 N	61 57 W	6	27	0830	XBT
80	13 06 N	61 57 W	6	27	1000	XBT
81	12 49 N	61 58 W	6	27	1129	XBT
82	12 44 N	61 58 W	6	27	1200	Fish sighting
83	12 32 N	61 59 W	6	27	1300	XBT
84	12 15 N	62 01 W	6	27	1427	XBT
85	12 05 N	62 02 W	6	27	1530	XBT
86	12 17 N	61 53 W	6	27	1700	XBT
87	12 26 N	61 47 W	6	27	1830	XBT
88	12 38 N	61 40 W	6	27	1959	XBT
89	12 54 N	61 33 W	6	27	2130	XBT
90	13 09 N	61 29 W	6	27	2300	XBT
91	13 22 N	61 26 W	6	28	0030	XBT
92	13 38 N	61 23 W	6	28	0200	XBT
93	13 53 N	61 22 W	6	28	0330	XBT
94	14 11 N	61 18 W	6	28	0500	XBT
95	14 25 N	61 17 W	6	28	0630	XBT
96	14 39 N	61 22 W	6	28	0800	XBT
97	14 48 N	61 25 W	6	28	0850	XBT

UNDAUNTED CRUISE 6903 June - August 1969

STA	LATITUDE	LONGITUDE	MO	DA	GMT	OBSERVATION
98	13 55 N	61 10 W	6	28	1420	STD-BT, P, PHYTO, PP
99	13 55 N	61 10 W	6	28	1900	STD-BT, P, PP, PHYTO
100	13 55 N	61 10 W	6	28	2243	STD-BT, P, PP, NL
101	13 55 N	61 10 W	6	29	0300	STD-BT, P, PP, PHYTO, NL
102	13 55 N	61 10 W	6	29	0630	STD-BT, P, PP, PHYTO
103	13 55 N	61 10 W	6	29	1030	STD-BT, P, PP, PHYTO
104	12 43 N	61 20 W	6	30	0130	BAITING
105	12 43 N	61 20 W	6	30	1300	BOTTOM FISHING
106	13 06 N	59 07 W	7	1	-	NL
107	13 32 N	61 14 W	7	10	1320	STD-BT, STD-H, ZF, R
110	13 58 N	61 12 W	7	10	1925	FISH SIGHTING
111	14 03 N	61 11 W	7	10	2030	STD-BT, STD-H, ZF
116	14 03 N	61 30 W	7	11	0710	STD-BT, STD-H, ZF, R
119	13 32 N	61 32 W	7	11	1300	STD-BT, STD-H, ZF, SATELLITE
122	13 09 N	61 30 W	7	11	1930	STD-BT, STD-H,ZF, R
125	12 37 N	61 46 W	7	12	0450	STD-BT, ZF
128	12 52 N	61 54 W	7	12	1145	STD-BT, STD-H, ZF, R
130	12 38 N	61 22 W	7	12	1717	FISH SIGHTING
132	13 18 N	61 46 W	7	12	1907	STD-BT, STD-H, ZF, R
135	13 52 N	61 47 W	7	13	0015	STD-BT, STD-H, ZF, R
138	14 25 N	61 52 W	7	13	0730	STD-BT, STD-H, ZF, R
141	14 07 N	62 18 W	7	13	1300	STD-BT, STD-H, ZF, R
145	13 33 N	62 16 W	7	13	2025	STD-BT, STD-H, ZF, R
148	13 03 N	62 12 W	7	14	0315	STD-BT, STD-H, ZF, R
151	12 42 N	62 20 W	7	14	1030	STD-BT, STD-H, ZF, R
154	13 08 N	62 30 W	7	14	1555	STD-BT, STD-H, ZF,R
157	13 42 N	62 26 W	7	14	2150	STD-BT, STD-H, ZF, R
160	14 13 N	62 29 W	7	15	0405	STD-BT, STD-H, ZF, R
163	14 05 N	62 56 W	7	15	0952	STD-BT, STD-H, ZF, R
166	13 30 N	62 54 W	7	15	1515	STD-BT, STD-H, ZF, R
169	13 02 N	62 51 W	7	15	2030	STD-BT, STD-H, ZF, R
172	12 36 N	62 48 W	7	16	0120	STD-BT, STD-H, ZF, R
180	12 38 N	61 22 W	7	16	1400	NL, MISC FISHING
181	12 00 N	61 32 W	7	18	0023	STD-BT, STD-H, ZF, R, DB
184	12 20 N	61 19 W	7	18	0600	STD-BT, STD-H, ZF, R, DB
187	12 43 N	60 57 W	7	18	1110	STD-BT, STD-H, ZF, R, DB
190	13 09 N	60 55 W	7	18	1610	STD-BT, STD-H, ZF, R, DB
193	13 35 N	60 51 W	7	18	2030	STD-BT, STD-H, ZF, DB
196	13 24 N	60 28 W	7	19	0043	STD-BT, STD-H, ZF, R, DB
199	13 11 N	60 03 W	7	19	0600	STD-BT, STD-H, ZF, DB
202	13 02 N	60 02 W	7	19	1050	STD-H, ZF, DB
205	13 02 N	60 02 W	7	19	1545	STD-H, ZF, DB
208	12 35 N	60 39 W	7	19	1955	STD-BT, ZF, DB
211	12 07 N	60 38 W	7	20	0000	STD-BT, ZF, DB
214	12 04 N	61 00 W	7	20	0430	STD-BT, ZF, DB
217	12 04 N	61 12 W	7	20	0845	STD-BT, ZF, DB
220	11 44 N	61 18 W	7	20	1235	STD-BT, ZF, DB
225	11 09 N	60 53 W	7	21	0025	NL
226	11 10 N	60 51 W	7	26	0000	NL

UNDAUNTED CRUISE 6903 June - August 1969

STA	LATITUDE	LONGITUDE	MO	DA	GMT	OBSERVATION
228	12 31 N	61 08 W	7	31	0140	PHYTO, ZF
229	12 31 N	61 08 W	7	31	0655	STD-BT, STD-H,ZF, P, PP
230	12 31 N	61 08 W	7	31	1630	STD-BT, ZF,P, PP
231	12 31 N	61 08 W	8	1	0045	ZF
232	12 55 N	60 55 W	8	2	0150	STD-BT, ZF, P, PP
233	12 55 N	61 04 W	8	2	0520	STD-BT, ZF, P, PP
234	12 56 N	61 21 W	8	2	1010	STD-BT, ZF, P, PP
235	12 46 N	61 27 W	8	2	1500	STD-BT, ZF, P, PP
236	12 46 N	61 27 W	8	2	1855	STD-BT, ZF, P, PP
237	12 46 N	61 47 W	8	2	2315	STD-BT, ZF, P, PP, MISC FISH
238	12 46 N	61 27 W	8	3	0300	STD-BT, ZF, P, PP
239	12 46 N	61 27 W	8	3	0700	STD-BT, ZF, P, PP
240	12 46 N	61 27 W	8	3	1100	STD-BT, ZF, P, PP
241	12 46 N	61 23 W	8	3	1330	STD-BT, ZF, P, PP
242	12 45 N	61 20 W	8	3	1508	STD-BT, ZF, P, PP
243	12 45 N	61 16 W	8	3	1830	P, ZF
244	12 45 N	61 12 W	8	3	2030	STD-BT, ZF, P, PP
245	12 45 N	61 08 W	8	4	0022	STD-BT, ZF, P, PP
246	12 44 N	61 03 W	8	4	0305	STD-BT, ZF, P, PP
247	12 44 N	61 03 W	8	4	0705	STD-BT, ZF, P, PP
248	12 44 N	61 03 W	8	4	1225	STD-BT, ZF, P
249	12 44 N	61 02 W	8	4	1505	STD-BT, ZF, P
250	12 44 N	61 02 W	8	4	1635	STD-BT, ZF, P, FISH SIGHTING
251	12 45 N	61 03 W	8	4	2300	STD-BT, ZF,P
252	12 33 N	61 06 W	8	5	0140	STD-BT, ZF, P
253	12 33 N	61 13 W	8	5	0350	STD-BT, ZF, P
254	12 34 N	61 17 W	8	5	0550	STD-BT, ZF, P
255	12 34 N	61 22 W	8	5	0745	STD-BT, ZF, P
256	12 34 N	61 26 W	8	5	0856	STD-BT, ZF, P
257	12 34 N	61 29 W	8	5	0955	STD-BT, ZF, P
258	12 33 N	61 32 W	8	5	1115	STD-BT, ZF, P
259	12 56 N	61 16 W	8	5	1447	STD-BT, ZF, P
260	12 55 N	61 13 W	8	5	1625	STD-BT, ZF, P
261	13 14 N	61 19 W	8	6	0235	STD-BT, ZF
262	13 52 N	61 08 W	8	7	0235	STD-BT, ZF
263	13 16 N	60 58 W	8	8	0234	ZF
264	13 59 N	60 46 W	8	9	0233	STD-BT, ZF
265	14 15 N	61 00 W	8	9	1845	STD-BT
266	14 60 N	60 45 W	8	9	2037	STD-BT
267	14 15 N	60 31 W	8	9	2220	STD-BT, DB
268	15 04 N	60 44 W	8	10	0300	STD-BT, DB
269	15 04 N	60 59 W	8	10	0445	STD-BT, DB
270	15 05 N	61 14 W	8	10	0628	STD-BT, DB
271	15 45 N	61 18 W	8	10	1100	STD-BT, DB
272	15 45 N	61 03 W	8	10	1220	STD-BT, DB
273	15 45 N	60 48 W	8	10	1415	STD-BT, DB

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