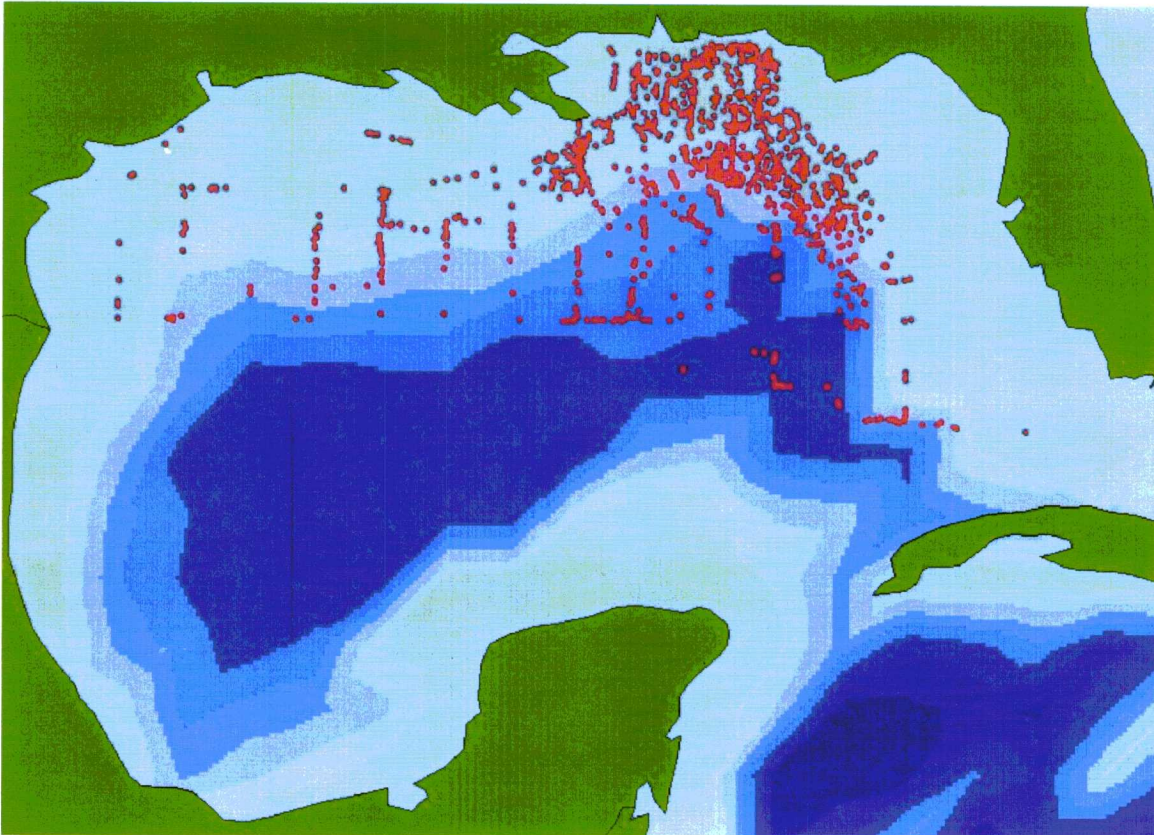




Contractor Report
USGS/BRD/CR-1999-0005
OCS Study MMS 2000-004



Cetaceans, Sea Turtles and Seabirds in the Northern Gulf of Mexico: Distribution, Abundance and Habitat Associations

Volume III: Data Appendix

U.S. Department of the Interior
U.S. Geological Survey
Biological Resources Division

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Minerals Management Service
Gulf of Mexico Region

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Volume III: Data Appendix

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DISCLAIMER

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PREFACE

This study entitled “Cetaceans, Sea Turtles and Seabirds in the Northern Gulf of Mexico: Distribution, Abundance and Habitat Associations”, also known as the GulfCet II study, provides synoptic data and analyses on the species diversity, abundance, and habitat characteristics for cetaceans, sea turtles and seabirds in the northern Gulf of Mexico. Results of the study are described in three volumes including this volume (“Volume III: Data Appendix”), “Volume I: Executive Summary” and “Volume II: Technical Report.”

This study was sponsored and administered by the U.S. Department of Interior, U.S. Geological Survey, Biological Resources Division to provide environmental information to the U.S. Department of Interior, Minerals Management Service. It was managed by Texas A&M University at Galveston in partnership with the National Marine Fisheries Service at the Southeast Fisheries Science Center.

ABSTRACT

The Gulf of Mexico is a semi-enclosed, intercontinental sea with a total area of about 1.5 million square kilometers. As a large marine ecosystem, it has a unique bathymetry, hydrography and productivity. Cetaceans, sea turtles and seabirds are upper trophic level predators that play an important role in the pelagic marine ecosystem of the Gulf of Mexico. These are highly valued taxa, protected by national laws and international agreements, and knowledge of their distribution, abundance and ecology is vital to their protection. GulfCet II was planned to help resolve issues concerning the potential impacts of various oil and gas activities on cetaceans, sea turtles and seabirds that inhabit the northern and eastern regions of the Gulf of Mexico, emphasizing the continental slope where water depths range from 100 to 2,000 m. The objectives of the GulfCet II field studies (1996-97) were to: 1) expand the geographical coverage of ship and aerial surveys that were conducted previously during GulfCet I (1992-94), which surveyed the north-central and northwestern Gulf of Mexico, 2) estimate the minimum abundances of cetaceans and sea turtles in areas surveyed during 1996-97, 3) collect simultaneous hydrographic data and biological samples during the ship surveys to better define the habitat associations of cetaceans and seabirds, and 4) collect acoustic data on cetacean sounds and identify and record other natural and man-made underwater sounds to provide additional insights into cetacean distribution and behavior, particularly in relation to noise from seismic exploration vessels.

We hypothesized that hydrographic features in the study area had different levels of potential prey that influence cetacean and seabird distribution. We further hypothesized that these food stocks would be locally concentrated in nutrient-rich areas offshore from the Mississippi River, within cyclonic eddies, and along the high-shear edges of cyclonic eddies.

An integrated methodology was used that included visual surveys from ships and aircraft, and acoustic recordings and hydrographic collections from ships. Near real-time sea surface altimetry from the TOPEX/POSEIDON and ERS satellites was used during ship surveys to determine the location of hydrographic features (e.g., cyclones, anticyclones and confluence zones). Archival satellite sea surface altimetry data were used to retrospectively determine the location of hydrographic features for analysis with cetacean sightings collected during GulfCet I. We measured zooplankton and micronekton biomass derived from both net and acoustic sampling to indicate the amount of potential food available for higher trophic level foraging by cetaceans and seabirds.

Nineteen cetacean species were identified in the oceanic northern Gulf of Mexico (398,960 km²) during GulfCet II surveys. The estimated minimum abundance of all cetaceans in the oceanic northern Gulf based on shipboard surveys was 86,705 animals. Pantropical spotted dolphins were the most abundant species with an estimated 46,625 animals, followed by spinner dolphins (11,251) and clymene dolphins (10,093). Estimates for bottlenose dolphins, striped dolphins, melon-headed whales, Risso's dolphins and short-finned pilot whales ranged from 4,381 to 1,471 animals. Abundances of all other species were less than 1,000 animals. Cetaceans were sighted throughout the study area, but fewer were sighted in the western Gulf. There are now sighting records during three or more seasons for at least 16 cetacean species.

Seventeen cetacean species were sighted in the Minerals Management Service's Eastern Planning Area (EPA, 70,470 km²). The abundance estimate based on aerial surveys (which were more extensive than the ship surveys in the EPA) was 38,184 total animals. In general, cetaceans were found throughout the EPA each season. The most abundant species were pantropical spotted dolphins (13,649) and spinner dolphins (8,670). Other species with abundance estimates over 1,000 based on aerial surveys were bottlenose dolphins, Atlantic spotted dolphins, Risso's dolphins, striped dolphins and clymene dolphins. The seasonal abundance of some species may vary regionally in continental slope waters. For example, dwarf/pygmy sperm whales were nine-times more abundant in the summer than in the winter.

Cetaceans in the northeastern and oceanic northern Gulf of Mexico were concentrated along the continental slope in or near cyclones and the confluence of cyclone-anticyclone eddy pairs. Net tows and acoustic backscatter measurements with an Acoustic Doppler Current Profiler showed that cyclonic eddies and confluence areas are mesoscale features with locally concentrated zooplankton and micronekton stocks that appear to develop in response to increased nutrient-rich water and primary production in the mixed layer. A significant relationship existed between integrated zooplankton biomass and integrated cephalopod (a major component of cetacean prey) paralarvae numbers, indicating that higher zooplankton and micronekton biomass may correlate with higher concentrations of cetacean prey. In the north-central Gulf, an additional factor affecting cetacean distribution may be the narrow continental shelf south of the Mississippi River delta. Low salinity, nutrient-rich water may occur over the continental slope near the mouth of the Mississippi River (MOM) or be entrained within the confluence of a cyclone-anticyclone eddy pair and transported beyond the continental slope. This creates a deep-water environment with locally enhanced primary and secondary productivity and may explain the presence of a resident, breeding population of endangered sperm whales within 50 km of the Mississippi River delta. We suggest that this area may be essential habitat for sperm whales in the northern Gulf. Overall, the results suggest that the amount of potential prey for cetaceans (and seabirds) may be consistently greater in the cyclone, confluence areas, and south of the MOM, making them preferential areas for foraging. Since cyclones in the northern Gulf are dynamic and usually associated with westward moving cyclone-anticyclone pairs, cetacean distribution will be dynamic. However, with near real-time satellite remote sensing of sea surface altimetry, these features can be tracked and used to predict where pelagic cetaceans may be concentrated. The exceptions are bottlenose dolphins, Atlantic spotted dolphins and possibly Bryde's whales that typically occur on the continental shelf or along the shelf break outside of major influences of eddies.

An acoustic survey was performed using a towed hydrophone array to describe the distribution of cetaceans based on species-specific vocalizations and to record man-made noise. Sperm whales and pantropical spotted dolphins were the most commonly identified cetaceans, although recordings were also made for clymene dolphins, spinner dolphins, striped dolphins, Atlantic spotted dolphins, false killer whales, bottlenose dolphins, rough-toothed dolphins and Fraser's dolphins. The whistles of nine dolphin species were characterized based on species-specific patterns of whistle usage and acoustic structure. A diversity of anthropogenic signals was recorded, many of which were low frequency seismic exploration signals. Seismic exploration signals were detected during 21% of recordings, although there was no significant difference in

the cetacean sighting frequency for low, medium, and high noise levels in different hydrographic features.

GulfCet II aerial surveys provided the first assessment of sea turtle abundance and distribution over a large area of the oceanic northeastern Gulf of Mexico. Three sea turtle species occurred in the EPA study area: loggerhead, Kemp's ridley, and leatherback sea turtles. The leatherback and Kemp's ridley sea turtles are listed as endangered, and the loggerhead sea turtle is listed as threatened. The overall density of loggerhead sea turtles in the EPA shelf was 20 times that of the EPA slope. The majority of loggerheads over the EPA slope were sighted during winter. While many winter sightings were near the 100 m isobath, there were sightings of loggerheads over very deep waters (i.e., >1000 m). Leatherbacks were sighted throughout the EPA slope and were about 12 times more abundant in winter than summer. The nearly disjunct summer and winter distributions of leatherbacks indicates that specific areas may be important to this species either seasonally or for short periods of time.

Seabird species present in the Gulf of Mexico varied by season. The species composition of the sightings during late summer reflected a pattern of migration and transition to a winter distribution. Two of the three most commonly identified species (laughing gull and royal tern) in late summer are considered year-round residents in the Gulf. Pomarine jaegers, a wintering marine species in the Gulf, were the third most commonly identified species. During mid-summer, the black tern was the most abundant species, followed by band-rumped storm-petrels (summer migrant pelagic), frigatebirds (permanent resident), Audubon's shearwaters (summer migrant pelagic) and sooty terns (summer resident).

Cyclones had the greatest diversity of seabird species, although habitat use varied among species. Pomarine jaegers were more likely to be present in the MOM area during late summer. Audubon's shearwaters were more likely to be encountered inside a cyclone, while band-rumped storm-petrels were more likely to be present in the areas other than cyclones, anticyclones or confluence zones during mid-summer. Black terns were encountered more frequently in the MOM area during mid-summer. Generalized additive models incorporating indicators of plankton standing stock (surface chlorophyll and predicted mean biomass of zooplankton and micronekton) best predicted seabird presence for five of the seven species analyzed. Other predictive models were: sea surface properties of temperature and salinity for black tern, sooty tern, and laughing gull; sea surface height for pomarine jaeger; and bathymetry for Audubon's shearwater. Seasonal surveys are needed to better assess community structure and seabird-habitat associations.

Eighty-three percent of the crude oil and 99% of the gas production in United States federal waters occurs in the Gulf of Mexico, primarily along the Texas-Louisiana continental shelf and slope. By 2003, oil production in the Gulf is projected to increase 43%. Production from deepwater fields (depth >305 m) will account for about 59% of the daily oil production and 27% of the daily gas production in the Gulf. In addition to oil and gas exploration and production, this area has considerable commercial shipping traffic that enters the northern Gulf ports. The long-term forecast for petroleum transportation is for the total volume to increase into the next century. The cumulative impact of these multiple, potential impact-producing factors on cetaceans in the northern Gulf cannot be predicted with certainty. However, it can be anticipated

that cetaceans along the continental slope will encounter increasing oil and gas exploration and production activities. There are critical uncertainties in our understanding of short and long-term effects of seismic and other loud industrial sounds on the behavior and distribution of Gulf cetaceans. Against the background of growing oil and gas exploration and development, continued research and monitoring are needed to assess the potential impacts of these activities on pelagic cetaceans, sea turtles and seabirds in the Gulf of Mexico

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LIST OF ABBREVIATIONS AND ACRONYMS

The following acronyms and abbreviations are used throughout this report:

| | |
|----------------|--|
| ADCP | Acoustic Doppler Current Profiler |
| AVHRR | Advanced Very High Resolution Radiometer |
| BRD | Biological Resources Division |
| CCAR | Colorado Center for Astroynamics Research, University of Colorado |
| CCR | Cold-Core Ring |
| CHL | Chlorophyll |
| CI | Confidence Interval |
| CON | Confluence between ring structures |
| CTD | Conductivity, Temperature, and Depth Profiler |
| CV | Coefficient of Variation |
| dB rel μ P | Decibels relative to 1 micro Pascal |
| DCM | Deep Chlorophyll Maximum |
| DFA | Discriminant Function Analysis |
| EPA | Eastern Planning Area |
| GIS | Geographic Information System |
| GPS | Global Positioning System |
| GulfCet I | Distribution and Abundance of Cetaceans in the North-Central and Western Gulf of Mexico (1991-1995) |
| GulfCet II | Cetaceans, Sea Turtles and Seabirds in the Northern Gulf of Mexico: Distribution, Abundance, and Habitat Associations (this study) |
| HCLS | High Chlorophyll, Low Salinity |
| HPLC | High Pressure Liquid Chromatography |
| IKMT | Isaacs Kidd Midwater Trawl |
| LC | Loop Current |
| LCE | Loop Current Eddy |
| MAR | Mississippi-Atchafalaya River |
| MLD | Mixed Layer Depth |
| MOCNESS | Multiple Opening/Closing Net and Environmental Sampling System |
| MOM | Mouth of the Mississippi |
| MMS | Minerals Management Service |
| NE | Northeast |
| NEGOM | Northeastern Gulf of Mexico |
| NMFS | National Marine Fisheries Service |
| NOAA | National Oceanic and Atmospheric Administration |
| OCS | Outer Continental Shelf |
| PER | Periphery of ring structures |
| PMB | Predicted Mean Biomass |
| PSD | Perpendicular Sighting Distance |
| SAIL | Serial ASCII Interface Loop |
| SD | Standard Deviation |
| SEFSC | Southeast Fisheries Science Center, NMFS |
| SSH | Sea Surface Height |

| | |
|----------------|---|
| SST | Sea Surface Temperature |
| Stenellids | Dolphins of the genus <i>Stenella</i> |
| S _v | Acoustic backscattering strength |
| TAMU | Texas A&M University (College Station) |
| TAMUG | Texas A&M University at Galveston |
| TOPEX/ERS | Topography Experiment Mission/European Research Satellite |
| TOPEX/POSEIDON | Topography Experiment Mission/Poseidon |
| T-S | Temperature-Salinity Relationship |
| UC | University of Colorado |
| USGS | United States Geological Survey |
| WCR | Warm-Core Ring |
| WCWRU | Wisconsin Cooperative Wildlife Research Unit |
| XBT | Expendable Bathythermograph |

SURVEY DATES AND TYPES OF DATA COLLECTED FOR THE GULFCET II PROGRAM

Abbreviations: CTD = conductivity/temperature casts; XBT = expendable bathythermograph; SST = sea surface temperature; SSS = sea surface salinity; ADCP = Acoustic Doppler Current Profiler; MOCNESS = Multiple Opening and Closing Net and Environmental System; SSH = sea surface height.

| Survey | Dates | Mammal Surveys | | Hydrographic Surveys | | | | | | | | |
|-------------------------|-------------------------|-------------------|----------|----------------------|-----|-------------|-----|-----|-----------|------|---------|---------------|
| | | Visual | Acoustic | CTD | XBT | Chlorophyll | SST | SSS | Nutrients | ADCP | MOCNESS | Satellite SSH |
| SPRING 1996 | | | | | | | | | | | | |
| <i>R/V Oregon II</i> | Cruise 220 | | | | | | | | | | | |
| | Leg 1 | 17 Apr-4 May 1996 | | | | | | | | | | ✓ |
| | Leg 2 | 8-25 May 1996 | ✓ | | | | | | | | | ✓ |
| | Leg 3 | 29 May-8 Jun 1996 | ✓ | | ✓ | ✓ | | | | | | ✓ |
| SUMMER 1996 | | | | | | | | | | | | |
| Aerial 9 | | 11-31 Jul 1996 | ✓ | | | | | | | | | ✓ |
| LATE SUMMER 1996 | | | | | | | | | | | | |
| <i>R/V Gyre</i> | Cruise <i>Gyre96G06</i> | 11-19 Oct 1996 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| WINTER 1997 | | | | | | | | | | | | |
| Aerial 10 | | 7 Feb-20 Mar 1997 | ✓ | | | | | | | | | ✓ |
| SPRING 1997 | | | | | | | | | | | | |
| <i>R/V Oregon II</i> | Cruise 222 | | | | | | | | | | | |
| | Leg 1 | 17 Apr-5 May 1997 | ✓ | | | | | | | | | ✓ |
| | Leg 2 | 9-25 May 1997 | ✓ | | | | | | | | | ✓ |
| | Leg 3 | 29 May-9 Jun 1997 | ✓ | ✓ | ✓ | ✓ | | | | | | ✓ |
| SUMMER 1997 | | | | | | | | | | | | |
| Aerial 11 | | 15 Jul-6 Aug 1997 | ✓ | | | | | | | | | ✓ |
| <i>R/V Gyre</i> | Cruise <i>Gyre97G08</i> | 6-20 Aug 1997 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ |
| WINTER 1998 | | | | | | | | | | | | |
| Aerial 12 | | 8 Feb-14 Mar 1998 | ✓ | | | | | | | | | ✓ |

CETACEANS OF THE GULF OF MEXICO

The (E) next to the common name indicates that the species is listed under the Endangered Species Act of 1973 as endangered.

| | | |
|-----------------------------|------------------------|-----------------------------------|
| Northern right whale (E) | Balaenidae | <i>Eubalaena glacialis</i> |
| Blue whale (E) | Balaenopteridae | <i>Balaenoptera musculus</i> |
| Fin whale (E) | | <i>Balaenoptera physalus</i> |
| Sei whale (E) | | <i>Balaenoptera borealis</i> |
| Bryde's whale | | <i>Balaenoptera edeni</i> |
| Minke whale | | <i>Balaenoptera acutorostrata</i> |
| Humpback whale (E) | | <i>Megaptera novaeangliae</i> |
| Sperm whale (E) | Physeteridae | <i>Physeter macrocephalus</i> |
| Pygmy sperm whale | Kogiidae | <i>Kogia breviceps</i> |
| Dwarf sperm whale | | <i>Kogia simus</i> |
| Cuvier's beaked whale | Ziphiidae | <i>Ziphius cavirostris</i> |
| Blainville's beaked whale | | <i>Mesoplodon densirostris</i> |
| Sowerby's beaked whale | | <i>Mesoplodon bidens</i> |
| Gervais' beaked whale | | <i>Mesoplodon europaeus</i> |
| Melon-headed whale | Delphinidae | <i>Peponocephala electra</i> |
| Pygmy killer whale | | <i>Feresa attenuata</i> |
| False killer whale | | <i>Pseudorca crassidens</i> |
| Killer whale | | <i>Orcinus orca</i> |
| Short-finned pilot whale | | <i>Globicephala macrorhynchus</i> |
| Rough-toothed dolphin | | <i>Steno bredanensis</i> |
| Fraser's dolphin | | <i>Lagenodelphis hosei</i> |
| Bottlenose dolphin | | <i>Tursiops truncatus</i> |
| Risso's dolphin | | <i>Grampus griseus</i> |
| Atlantic spotted dolphin | | <i>Stenella frontalis</i> |
| Pantropical spotted dolphin | | <i>Stenella attenuata</i> |
| Striped dolphin | | <i>Stenelia coeruleoalba</i> |
| Spinner dolphin | | <i>Stenella longirostris</i> |
| Clymene dolphin | | <i>Stenella clymene</i> |

LIST OF BIRDS SIGHTED

Order Procellariiformes

Family Procellariidae

- Audubon's shearwater (*Puffinus lherminieri*)
- Cory's shearwater (*Calonectris diomedea*)
- Greater shearwater (*Puffinus gravis*)
- Manx shearwater (*Puffinus puffinus*)
- Sooty shearwater (*Puffinus griseus*)

Family Hydrobatidae

- Band-rumped storm-petrel (*Oceanodroma castro*)
- Leach's storm-petrel (*Oceanodroma leucorhoa*)
- Wilson's storm-petrel (*Oceanites oceanicus*)

Order Pelecaniformes

Family Phaethontidae

- Red-billed tropicbird (*Phaethon aethereus*)
- White-tailed tropicbird (*Phaethon lepturus*)

Family Sulidae

- Masked booby (*Sula dactylatra*)
- Northern gannet (*Morus bassanus*)

Family Fregatidae

- Magnificent frigatebird (*Fregata magnificens*)

Order Charadriiformes

Family Laridae

Subfamily Stercorariinae

- Long-tailed jaeger (*Stercorarius longicaudus*)
- Parasitic jaeger (*Stercorarius parasiticus*)
- Pomarine jaeger (*Stercorarius pomarinus*)

Subfamily Larinae

- Herring gull (*Larus argentatus*)
- Laughing gull (*Larus atricilla*)

Subfamily Sterninae

- Arctic tern (*Sterna paradisaea*)
- Black tern (*Chlidonias niger*)
- Bridled tern (*Sterna anaethetus*)
- Brown noddy (*Anous stolidus*)
- Common tern (*Sterna hirundo*)
- Least tern (*Sterna antillarum*)
- Royal tern (*Sterna maxima*)
- Sandwich tern (*Sterna sandvicensis*)
- Sooty tern (*Sterna fuscata*)

SEA TURTLES OF THE GULF OF MEXICO

| | |
|---------------|-------------------------------|
| Green | <i>Chelonia mydas</i> |
| Hawksbill | <i>Eretmochelys imbricata</i> |
| Kemp's ridley | <i>Lepidochelys kemp</i> |
| Leatherback | <i>Dermochelys coriacea</i> |
| Loggerhead | <i>Caretta caretta</i> |

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I. HYDROGRAPHIC DATA

Appendices of Hydrographic Data

The six appendices which follow are spreadsheets of hydrographic data used to determine the "Environmental Patterns and Oceanographic Processes" described in Chapter 2 of Volume 2.

In the first of these (Chap2_appendix_table1.xls), hydrographic data from the four NE Gulf cruises during GulfCet II (*OregonII* 220 Leg 3, *Gyre96G06*, *OregonII* 225 Leg 3, *Gyre97G08*) are sorted by cruise and by station. Tables 2.1 and 2.2 in Chapter 2 of Volume II gave a capsule summary of these data.

In the second appendix (Chap2_appendix_table2.xls), hydrographic data from the two R/V *Gyre* cruises are sorted by environment in order to calculate mean and standard deviation of data in all rows for each environment. Tables 2.3 and 2.4 in Chapter 2 of Volume II gave a capsule summary of the maximum, minimum, mean, and standard deviation of these data, for each of the five environments: 1) cyclone; 2) Loop Current Eddy (LCE); 3) flow confluence between cyclone and LCE; 4) Mouth of Mississippi (MOM); and 5) other margin (the far field away from environments 1-4).

Further description of the data in each of the columns of these two spreadsheets follows:

Station: sequential number (XBT if ship was underway or CTD if ship was stopped)

GMT: Greenwich Mean Time (also called Zulu, or Universal Time)

Sfc Temp: surface temperature (degrees Centigrade)

MLD: mixed layer depth (meters), base of which was defined as the depth below the surface where temperature was 1°C less than at surface

Depth 19C: depth (m) below the surface where temperature was 19°C and a proxy for nitrate concentration of 10 µM/L (see Figure 2.5 in Volume 2).

15C Depth: depth (m) below the surface where temperature was 15°C and a proxy for dynamic height in water depths > 800 m (see Figure 2.6 in Volume 2).

Dynht(800m): Dynamic height (cm) relative to reference level of 800 m

Dynht Anomaly: Dynamic height (cm) relative to reference level of 800 m less monthly mean dynamic height (95 cm for June; 105 cm for August; 100 cm for October)

Sfc Sigma: density anomaly at the surface (sigma notation)

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | stc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|--------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| OregonII-220 | | | | | | | | | | | |
| xbt 53 | 151.76 | 18:17 | 27.25 | -85.46 | 27.8 | 6 | 83 | 166 | 91.0 | -4.0 | cyclone |
| 54 | 151.82 | 19:41 | 27.36 | -85.24 | 28.0 | 12 | 79 | 187 | 94.8 | -0.2 | other margin |
| 55 | 151.86 | 20:37 | 27.45 | -85.10 | 28.0 | 15 | 88 | 198 | | | other margin |
| 56 | 151.90 | 21:35 | 27.54 | -84.94 | 28.2 | 14 | 106 | 204 | | | other margin |
| 57 | 151.93 | 22:26 | 27.62 | -84.80 | 28.4 | 15 | 97 | 169 | | | other margin |
| 59 | 151.98 | 23:24 | 27.72 | -84.63 | 27.9 | 15 | 84 | 161 | | | other margin |
| 60 | 152.01 | 0:20 | 27.80 | -84.49 | 27.4 | 13 | 39 | 97 | | | other margin |
| 61 | 152.45 | 10:51 | 28.19 | -84.80 | 26.7 | 8 | 25 | | | | other margin |
| 62 | 152.50 | 11:58 | 28.08 | -84.95 | 27.3 | 7 | 74 | 168 | | | other margin |
| 63 | 152.55 | 13:08 | 27.95 | -85.11 | 28.2 | 18 | 89 | 170 | | | other margin |
| 64 | 152.59 | 14:10 | 27.85 | -85.26 | 28.2 | 15 | 81 | 172 | | | other margin |
| 65 | 152.66 | 15:57 | 27.76 | -85.40 | 27.9 | 13 | 82 | 172 | | | other margin |
| 66 | 152.75 | 18:03 | 27.64 | -85.62 | 27.6 | 9 | 88 | 152 | 91.8 | -3.2 | cyclone |
| CTD-1 | 152.76 | 18:09 | 27.64 | -85.62 | 27.5 | 13 | 89 | 151 | 91.6 | -3.4 | cyclone |
| 67 | 152.86 | 20:45 | 27.78 | -85.83 | 27.8 | 13 | 90 | 162 | 90.1 | -4.9 | cyclone |
| 68 | 152.90 | 21:30 | 27.88 | -85.77 | 28.2 | 13 | 92 | 168 | 92.1 | -2.9 | cyclone |
| 69 | 152.95 | 22:53 | 28.05 | -85.84 | 28.5 | 15 | 95 | 176 | | | other margin |
| 70 | 153.01 | 0:17 | 28.20 | -85.55 | 28.1 | 9 | 89 | 184 | | | other margin |
| 71 | 153.46 | 11:00 | 28.20 | -85.55 | 27.6 | 25 | 94 | 192 | | | other margin |
| 72 | 154.44 | 10:31 | 29.18 | -85.60 | 25.9 | 12 | 39 | | | | other margin |
| 73 | 154.52 | 12:34 | 29.03 | -85.67 | 26.0 | 14 | 52 | 127 | | | other margin |
| 74 | 154.59 | 14:07 | 28.87 | -85.70 | 26.1 | 15 | 65 | 148 | | | other margin |
| 75 | 154.63 | 15:11 | 28.72 | -85.77 | 26.2 | 19 | 58 | 160 | | | other margin |
| 76 | 154.68 | 16:13 | 28.57 | -85.83 | 26.6 | 16 | 77 | 177 | | | other margin |
| 77 | 154.75 | 18:04 | 28.37 | -85.89 | 27.2 | 16 | 81 | 181 | | | other margin |
| 78 | 154.80 | 19:05 | 28.23 | -85.95 | 27.5 | 11 | 84 | 194 | | | other margin |
| 79 | 154.87 | 20:57 | 28.05 | -86.01 | 26.9 | 25 | 97 | 188 | 92.2 | -2.8 | cyclone |
| 80 | 154.92 | 22:06 | 27.87 | -86.08 | 27.0 | 19 | 90 | 169 | 92.4 | -2.6 | cyclone |
| CTD-2 | 155.00 | 23:53 | 27.93 | -86.15 | 26.7 | 22 | 101 | 169 | 93.3 | -1.7 | cyclone |
| 81 | 155.04 | 0:57 | 27.93 | -86.16 | 26.8 | 20 | 102 | 174 | 93.9 | -1.1 | cyclone |
| 82 | 155.44 | 10:37 | 27.93 | -86.15 | 26.6 | 22 | 84 | 164 | 91.5 | -3.5 | cyclone |
| 83 | 155.49 | 11:45 | 28.10 | -86.17 | 27.3 | 21 | 104 | 181 | 94.5 | -0.5 | other margin |
| 84 | 155.54 | 12:52 | 28.28 | -86.17 | 26.8 | 18 | 85 | 178 | | | other margin |
| 85 | 155.57 | 13:47 | 28.43 | -86.19 | 26.7 | 15 | 86 | 191 | | | other margin |
| 86 | 155.63 | 15:02 | 28.61 | -86.19 | 26.5 | 18 | 108 | 223 | | | other margin |
| 87 | 155.71 | 17:09 | 28.79 | -86.21 | 26.0 | 18 | 95 | 210 | | | other margin |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus *R/V Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|---------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 89 | 155.75 | 18:00 | 28.92 | -86.22 | 25.8 | 19 | 100 | 196 | | | other margin |
| 90 | 155.79 | 18:56 | 29.09 | -86.23 | 26.2 | 17 | 91 | 195 | | | other margin |
| 91 | 155.83 | 19:53 | 29.25 | -86.24 | 26.6 | 21 | 96 | 179 | | | other margin |
| 92 | 155.90 | 21:36 | 29.43 | -86.25 | 26.7 | 24 | 72 | 146 | | | other margin |
| 93 | 155.96 | 23:03 | 29.60 | -86.25 | 27.0 | 19 | 64 | | | | other margin |
| 94 | 156.80 | 19:13 | 29.88 | -86.53 | 26.5 | 16 | 50 | | | | other margin |
| 95 | 156.84 | 20:16 | 29.69 | -86.55 | 26.6 | 14 | 74 | 134 | | | other margin |
| 96 | 156.88 | 21:14 | 29.53 | -86.56 | 26.3 | 19 | 69 | 160 | | | other margin |
| 98 | 156.96 | 23:02 | 29.38 | -86.57 | 26.3 | 24 | 96 | 198 | | | other margin |
| 99 | 156.48 | 11:28 | 29.20 | -86.64 | 26.4 | 22 | 110 | 207 | | | other margin |
| 100 | 157.61 | 14:41 | 28.99 | -86.56 | 26.4 | 22 | 110 | 224 | | | other margin |
| 102 | 157.78 | 18:36 | 28.66 | -86.64 | 26.8 | 22 | 92 | 215 | | | other margin |
| 103 | 157.82 | 19:40 | 28.51 | -86.65 | 27.0 | 15 | 101 | 206 | | | other margin |
| 104 | 157.86 | 20:43 | 28.34 | -86.67 | 26.8 | 14 | 91 | 196 | 95.7 | 0.7 | other margin |
| 105 | 157.96 | 22:56 | 28.12 | -86.69 | 27.1 | 14 | 83 | 203 | 96.8 | 1.8 | other margin |
| 106 | 158.42 | 10:11 | 28.19 | -86.83 | 26.5 | 20 | 94 | 217 | 99.2 | 4.2 | other margin |
| CTD-3 | 158.43 | 10:12 | 28.20 | -86.83 | 26.4 | 22 | 95 | 213 | 98.7 | 3.7 | other margin |
| 107 | 158.50 | 12:05 | 28.30 | -86.85 | 26.9 | 18 | 110 | 209 | 99.9 | 4.9 | other margin |
| 108 | 158.55 | 13:06 | 28.46 | -86.86 | 27.2 | 20 | 110 | 195 | 101.6 | 6.6 | other margin |
| 109 | 158.59 | 14:09 | 28.63 | -86.88 | 27.2 | 15 | 112 | 191 | | | other margin |
| 110 | 158.64 | 15:17 | 28.81 | -86.89 | 27.4 | 18 | 108 | 196 | | | other margin |
| 111 | 158.70 | 16:51 | 28.96 | -86.91 | 27.3 | 20 | 113 | 211 | | | other margin |
| 112 | 158.74 | 17:52 | 29.14 | -86.92 | 27.5 | 18 | 107 | 223 | | | other margin |
| 113 | 158.78 | 18:49 | 29.31 | -86.94 | 27.1 | 21 | 99 | 211 | | | other margin |
| 114 | 158.86 | 20:40 | 29.48 | -86.85 | 27.3 | 19 | 90 | 198 | | | other margin |
| 115 | 158.93 | 22:21 | 29.64 | -86.97 | 27.6 | 21 | 87 | 175 | | | other margin |
| 116 | 159.48 | 11:30 | 29.82 | -87.00 | 27.7 | 22 | 75 | 144 | | | other margin |
| 117 | 159.48 | 11:34 | 29.82 | -87.00 | 27.6 | 15 | 74 | 143 | | | other margin |
| 118 | 159.53 | 12:41 | 29.98 | -87.01 | 27.2 | 16 | 55 | | | | other margin |
| 119 | 159.72 | 17:21 | 29.81 | -87.27 | 27.5 | 12 | 56 | | | | other margin |
| 120 | 159.76 | 18:13 | 29.67 | -87.29 | 27.8 | 11 | 48 | 129 | | | other margin |
| 121 | 159.81 | 19:28 | 29.47 | -87.30 | 27.6 | 14 | 89 | 150 | | | other margin |
| 122 | 159.88 | 21:14 | 29.32 | -87.32 | 27.2 | 22 | 98 | 188 | | | other margin |
| 123 | 159.93 | 22:13 | 29.16 | -87.33 | 27.5 | 20 | 110 | 196 | 98.0 | 3.0 | other margin |
| 124 | 159.97 | 23:17 | 28.98 | -87.34 | 27.6 | 19 | 105 | 184 | 97.9 | 2.9 | other margin |
| 125 | 160.01 | 0:16 | 28.82 | -87.36 | 27.6 | 20 | 106 | 183 | 99.3 | 4.3 | other margin |
| CTD-4 | 160.02 | 0:22 | 28.82 | -87.36 | 27.5 | 22 | 105 | 178 | 98.4 | 3.4 | other margin |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | stc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|-------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 126 | 160.41 | 9:57 | 28.58 | -87.62 | 27.6 | 20 | 101 | 173 | 98.1 | 3.1 | other margin |
| 127 | 160.50 | 11:57 | 28.75 | -87.63 | 27.4 | 21 | 102 | 178 | 98.5 | 3.5 | other margin |
| 128 | 160.54 | 12:55 | 28.92 | -87.64 | 27.2 | 19 | 99 | 188 | 97.1 | 2.1 | other margin |
| 129 | 160.58 | 13:57 | 29.09 | -87.65 | 27.1 | 20 | 95 | 185 | | | other margin |
| 131 | 160.67 | 16:07 | 29.27 | -87.66 | 26.7 | 23 | 91 | 183 | | | other margin |
| 134 | 160.75 | 18:05 | 29.58 | -87.68 | 27.0 | 6 | | | | | other margin |
| Gyre-96G06 | | | | | | | | | | | |
| 1 | 285.60 | 14:30 | 29.01 | -88.17 | 26.1 | 50 | 75 | 169 | 99.7 | -0.3 | other margin |
| 2 | 285.65 | 15:39 | 28.83 | -88.10 | 26.1 | 42 | 77 | 172 | 99.8 | -0.2 | other margin |
| 3 | 285.70 | 16:45 | 28.66 | -88.04 | 26.2 | 36 | 78 | 176 | 97.8 | -2.2 | cyclone |
| 4 | 285.74 | 17:51 | 28.50 | -87.99 | 26.1 | 35 | 86 | 162 | 97.2 | -2.8 | cyclone |
| 5 | 285.78 | 18:50 | 28.35 | -87.94 | 26.4 | 34 | 79 | 164 | 95.8 | -4.2 | cyclone |
| 6 | 285.84 | 20:16 | 28.17 | -87.88 | 26.6 | 27 | 67 | 167 | 94.3 | -5.7 | cyclone |
| 7 | 285.90 | 21:30 | 28.01 | -87.84 | 26.2 | 25 | 68 | 147 | 91.2 | -8.8 | cyclone |
| 8 | 285.95 | 22:52 | 27.84 | -87.77 | 26.1 | 22 | 78 | 139 | 88.5 | -11.5 | cyclone |
| 9 | 286.01 | 0:13 | 27.67 | -87.71 | 27.2 | 29 | 93 | 142 | 89.1 | -10.9 | cyclone |
| 10 | 286.06 | 1:30 | 27.51 | -87.65 | 27.0 | 35 | 76 | 128 | 87.9 | -12.1 | cyclone |
| 11 | 286.11 | 2:42 | 27.35 | -87.60 | 27.2 | 31 | 93 | 143 | 88.1 | -11.9 | cyclone |
| 12 (CTD-01) | 286.19 | 4:32 | 27.18 | -87.53 | 27.2 | 39 | 84 | 135 | 90.5 | -9.5 | cyclone |
| 13 | 286.38 | 9:07 | 27.00 | -87.51 | 27.4 | 37 | 81 | 158 | 94.5 | -5.5 | cyclone |
| 14 | 286.43 | 10:22 | 26.85 | -87.43 | 27.6 | 40 | 101 | 172 | 98.3 | -1.7 | cyclone |
| 15 | 286.49 | 11:45 | 26.66 | -87.36 | 27.7 | 46 | 109 | 185 | 100.1 | 0.1 | confluence |
| 16 | 286.54 | 13:01 | 26.50 | -87.31 | 28.0 | 52 | 120 | 202 | 106.3 | 6.3 | confluence |
| 17 | 286.60 | 14:17 | 26.34 | -87.25 | 28.3 | 62 | 142 | 218 | 115.6 | 15.6 | confluence |
| 18 | 286.65 | 15:43 | 26.17 | -87.19 | 28.3 | 80 | 168 | 262 | 126.5 | 26.5 | LCE "C" |
| 19 (CTD-02) | 286.74 | 17:48 | 26.07 | -87.23 | 28.2 | 69 | 187 | 273 | 132.9 | 32.9 | LCE "C" |
| 20 | 286.87 | 20:50 | 26.11 | -87.00 | 28.2 | 78 | 173 | 268 | 127.8 | 27.8 | LCE "C" |
| 21 | 286.97 | 23:12 | 26.18 | -86.78 | 28.4 | 80 | 162 | 241 | 122.3 | 22.3 | confluence |
| 22 | 287.06 | 1:29 | 26.25 | -86.59 | 28.4 | 68 | 140 | 220 | 114.8 | 14.8 | confluence |
| 23 | 287.18 | 4:21 | 26.34 | -86.39 | 28.0 | 54 | 113 | 193 | 104.6 | 4.6 | confluence |
| 24 | 287.33 | 7:52 | 26.53 | -86.22 | 27.7 | 45 | 102 | 171 | 100.9 | 0.9 | confluence |
| 25 | 287.46 | 11:01 | 26.64 | -86.05 | 27.3 | 35 | 90 | 161 | 94.6 | -5.4 | cyclone |
| 26 | 287.58 | 13:48 | 26.79 | -85.83 | 26.6 | 32 | 78 | 140 | 90.1 | -9.9 | cyclone |
| 27 | 287.66 | 15:50 | 26.94 | -85.67 | 26.8 | 38 | 87 | 130 | 91.9 | -8.1 | cyclone |
| 28 | 287.76 | 18:11 | 27.11 | -85.53 | 26.9 | 41 | 87 | 150 | 96.9 | -3.1 | cyclone |
| 29 | 287.83 | 19:58 | 27.26 | -85.48 | 27.1 | 41 | 83 | 152 | 96.9 | -3.1 | cyclone |
| 30 | 287.92 | 22:09 | 27.42 | -85.40 | 27.1 | 40 | 85 | 166 | 100.0 | 0.0 | other margin |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | surf Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|-------------|------------|-------|----------|-----------|-----------|-----|-----------|-----------|--------------|---------------|--------------|
| 31 | 288.03 | 0:42 | 27.55 | -85.24 | 26.3 | 43 | 90 | 153 | | | other margin |
| 32 | 288.12 | 2:51 | 27.66 | -85.09 | 26.6 | 48 | 83 | 175 | | | other margin |
| 33 | 288.21 | 5:00 | 27.77 | -84.88 | 26.6 | 49 | 96 | 170 | | | other margin |
| 34 | 288.30 | 7:08 | 27.89 | -84.77 | 26.5 | 49 | 93 | | | | other margin |
| 35 | 288.38 | 9:09 | 28.00 | -84.61 | 26.4 | 46 | | | | | other margin |
| 36 | 288.48 | 11:27 | 27.98 | -84.78 | 26.4 | 55 | 93 | | | | other margin |
| 37 | 288.53 | 12:47 | 27.96 | -84.96 | 26.4 | 52 | 106 | 172 | | | other margin |
| 38 | 288.59 | 14:04 | 27.94 | -85.15 | 26.4 | 51 | 99 | 178 | | | other margin |
| 39 | 288.64 | 15:20 | 27.91 | -85.33 | 26.4 | 52 | 98 | 175 | | | other margin |
| 40 | 288.69 | 16:39 | 27.90 | -85.50 | 26.2 | 52 | 97 | 182 | | | other margin |
| 41 | 288.75 | 17:53 | 27.87 | -85.70 | 26.7 | 43 | 83 | 174 | 98.5 | -1.5 | cyclone |
| 42 | 288.80 | 19:08 | 27.85 | -85.89 | 26.8 | 41 | 90 | 158 | 98.2 | -1.8 | cyclone |
| 43 (CTD-03) | 288.82 | 19:38 | 27.84 | -85.94 | 26.7 | 50 | 89 | 160 | | | other margin |
| 44 | 288.94 | 22:34 | 28.04 | -85.83 | 26.3 | 50 | 90 | 172 | | | other margin |
| 45 | 289.00 | 0:03 | 28.19 | -85.73 | 26.6 | 48 | 92 | 166 | | | other margin |
| 46 | 289.06 | 1:30 | 28.36 | -85.64 | 26.6 | 52 | 98 | 174 | | | other margin |
| 47 | 289.12 | 2:54 | 28.53 | -85.55 | 26.4 | 54 | 105 | 190 | | | other margin |
| 48 | 289.18 | 4:14 | 28.70 | -85.47 | 26.3 | 42 | 103 | | | | other margin |
| 49 | 289.23 | 5:33 | 28.87 | -85.38 | 25.8 | 41 | 100 | | | | other margin |
| 50 | 289.36 | 8:43 | 28.81 | -85.57 | 26.1 | 41 | 111 | | | | other margin |
| 51 | 289.42 | 10:03 | 28.73 | -85.75 | 26.0 | 43 | 103 | 178 | | | other margin |
| 52 | 289.47 | 11:19 | 28.65 | -85.92 | 26.4 | 57 | 110 | 174 | | | other margin |
| 53 | 289.53 | 12:43 | 28.56 | -86.09 | 26.4 | 58 | 107 | 178 | | | other margin |
| 54 | 289.59 | 14:13 | 28.47 | -86.28 | 26.2 | 52 | 113 | 190 | | | other margin |
| 55 | 289.64 | 15:24 | 28.39 | -86.42 | 26.1 | 52 | 90 | 174 | | | other margin |
| 56 | 289.74 | 17:44 | 28.25 | -86.59 | 26.0 | 43 | 94 | 167 | 100.8 | 0.8 | other margin |
| 57 | 289.80 | 19:16 | 28.20 | -86.81 | 26.1 | 37 | 88 | 174 | 98.9 | -1.1 | cyclone |
| 58 (CTD-04) | 289.83 | 19:48 | 28.20 | -86.86 | 26.2 | 41 | 88 | 169 | 98.5 | -1.5 | cyclone |
| 59 | 289.93 | 22:18 | 28.33 | -86.76 | 26.0 | 40 | 89 | 178 | 100.0 | 0.0 | other margin |
| 60 | 290.00 | 0:05 | 28.51 | -86.63 | 26.2 | 42 | 88 | 164 | | | other margin |
| 61 | 290.06 | 1:26 | 28.69 | -86.64 | 25.8 | 40 | 88 | 185 | | | other margin |
| 62 | 290.12 | 2:46 | 28.86 | -86.66 | 25.7 | 42 | 93 | 174 | | | other margin |
| 63 | 290.17 | 4:10 | 29.03 | -86.68 | 26.1 | 45 | 103 | 181 | | | other margin |
| 64 | 290.27 | 6:26 | 29.17 | -86.70 | 25.6 | 50 | 112 | 189 | | | other margin |
| 65 | 290.34 | 8:08 | 29.33 | -86.70 | 25.4 | 57 | 103 | 197 | | | other margin |
| 66 | 290.41 | 9:50 | 29.54 | -86.72 | 25.2 | 62 | 105 | 183 | | | other margin |
| 67 | 290.45 | 10:50 | 29.68 | -86.73 | 25.5 | 65 | 108 | | | | other margin |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|--------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 68 | 290.51 | 12:08 | 29.82 | -86.75 | 25.8 | 49 | 117 | | | | other margin |
| 69 | 290.56 | 13:31 | 30.00 | -86.77 | 25.7 | 60 | 112 | | | | other margin |
| 70 | 290.62 | 14:54 | 30.17 | -86.78 | 24.5 | | | | | | other margin |
| 71 | 290.97 | 23:10 | 29.59 | -87.40 | 25.7 | 58 | | | | | other margin |
| 72 | 290.99 | 23:51 | 29.51 | -87.40 | 25.6 | 50 | 114 | | | | other margin |
| 73 | 291.02 | 0:32 | 29.42 | -87.40 | 25.7 | 57 | 102 | 205 | | | other margin |
| 74 | 291.05 | 1:13 | 29.34 | -87.40 | 25.8 | 55 | 118 | 205 | | | other margin |
| 75 | 291.08 | 1:54 | 29.26 | -87.40 | 25.8 | 52 | 124 | 206 | 108.6 | 8.6 | other margin |
| 76 | 291.13 | 3:03 | 29.17 | -87.40 | 25.7 | 49 | 124 | 198 | 107.0 | 7.0 | other margin |
| 77 (CTD-05) | 291.25 | 6:04 | 29.07 | -87.35 | 25.7 | 55 | 106 | 198 | 104.6 | 4.6 | other margin |
| 78 | 291.47 | 11:12 | 28.92 | -87.41 | 26.0 | 49 | 101 | 179 | 103.0 | 3.0 | other margin |
| 79 | 291.50 | 11:55 | 28.83 | -87.40 | 26.0 | 47 | 93 | 160 | 100.9 | 0.9 | other margin |
| 80 | 291.55 | 13:11 | 28.67 | -87.40 | 26.1 | 46 | 86 | 152 | 100.8 | 0.8 | other margin |
| 81 | 291.65 | 15:37 | 28.50 | -87.40 | 26.1 | 40 | 80 | 146 | 98.7 | -1.3 | cyclone |
| 82 | 291.70 | 16:47 | 28.34 | -87.40 | 26.4 | 36 | 84 | 160 | 97.3 | -2.7 | cyclone |
| 83 | 291.75 | 17:57 | 28.17 | -87.40 | 27.1 | 48 | 95 | 161 | 96.5 | -3.5 | cyclone |
| 84 | 291.80 | 19:07 | 28.00 | -87.40 | 27.1 | 50 | 97 | 153 | 94.0 | -6.0 | cyclone |
| 85 | 291.85 | 20:19 | 27.83 | -87.40 | 26.5 | 39 | 82 | 149 | 91.8 | -8.2 | cyclone |
| 86 | 291.89 | 21:25 | 27.67 | -87.40 | 26.2 | 30 | 78 | 143 | 89.6 | -10.4 | cyclone |
| 87 (CTD-06) | 291.95 | 22:43 | 27.52 | -87.42 | 26.1 | 30 | 73 | 134 | 88.0 | -12.0 | cyclone |
| 88 | 292.14 | 3:24 | 27.66 | -87.54 | 26.2 | 32 | 74 | 132 | 89.6 | -10.4 | cyclone |
| 89 | 292.18 | 4:26 | 27.83 | -87.60 | 26.2 | 36 | 82 | 135 | 89.7 | -10.3 | cyclone |
| 90 | 292.23 | 5:27 | 27.99 | -87.62 | 26.5 | 43 | 95 | 145 | 92.2 | -7.8 | cyclone |
| 91 | 292.27 | 6:34 | 28.17 | -87.68 | 27.0 | 50 | 100 | 150 | 94.9 | -5.1 | cyclone |
| 92 | 292.32 | 7:38 | 28.32 | -87.76 | 26.3 | 42 | 88 | 158 | 96.2 | -3.8 | cyclone |
| 93 | 292.36 | 8:41 | 28.50 | -87.83 | 26.3 | 41 | 89 | 150 | 98.8 | -1.2 | cyclone |
| 94 | 292.41 | 9:45 | 28.67 | -87.89 | 26.3 | 46 | 94 | 165 | 101.5 | 1.5 | other margin |
| 95 | 292.45 | 10:52 | 28.83 | -87.98 | 25.9 | 48 | 102 | 179 | 104.0 | 4.0 | other margin |
| 96 | 292.50 | 12:06 | 29.00 | -88.10 | 25.9 | 45 | 98 | 204 | 105.5 | 5.5 | other margin |
| 97 | 292.55 | 13:16 | 29.17 | -88.17 | 25.8 | 61 | 112 | 215 | | | other margin |
| 98 | 292.56 | 13:20 | 29.18 | -88.18 | 25.8 | 59 | 104 | 215 | | | other margin |
| 99 | 292.56 | 13:26 | 29.20 | -88.18 | 25.8 | 61 | 105 | 227 | | | other margin |
| 100 | 294.46 | 11:06 | 28.61 | -88.99 | 25.5 | 55 | 96 | 188 | | | other margin |
| 101 | 294.58 | 14:02 | 28.66 | -89.00 | 25.5 | 50 | 97 | 184 | | | other margin |
| 102 | 294.74 | 17:46 | 28.72 | -88.88 | 25.6 | 58 | 99 | 178 | 104.8 | 4.8 | other margin |
| 103 (CTD-07) | 294.98 | 23:34 | 28.69 | -88.69 | 25.5 | 50 | 103 | 181 | 104.4 | 4.4 | other margin |
| 104 | 295.13 | 3:08 | 28.72 | -88.92 | 25.3 | 50 | 92 | 188 | 104.1 | 4.1 | other margin |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|--------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 105 | 295.22 | 5:19 | 28.56 | -88.90 | 25.6 | 53 | 87 | 187 | 104.4 | 4.4 | other margin |
| 106 | 295.28 | 6:41 | 28.39 | -88.81 | 25.7 | 47 | 97 | 183 | 101.5 | 1.5 | other margin |
| 107 | 295.33 | 7:48 | 28.26 | -88.73 | 25.9 | 46 | 93 | 172 | 99.4 | -0.6 | cyclone |
| 108 | 295.38 | 9:06 | 28.11 | -88.64 | 26.3 | 47 | 85 | 159 | 97.6 | -2.4 | cyclone |
| 109 | 295.43 | 10:18 | 27.96 | -88.55 | 26.3 | 42 | 85 | 159 | 95.1 | -4.9 | cyclone |
| 110 | 295.48 | 11:28 | 27.82 | -88.47 | 26.0 | 37 | 78 | 140 | 91.4 | -8.6 | cyclone |
| 111 | 295.53 | 12:43 | 27.67 | -88.39 | 25.8 | 35 | 80 | 136 | 91.1 | -8.9 | cyclone |
| 112 | 295.58 | 13:51 | 27.59 | -88.28 | 25.4 | 37 | 74 | 138 | 89.6 | -10.4 | cyclone |
| 113 | 295.63 | 15:06 | 27.43 | -88.22 | 25.6 | 36 | 74 | 140 | 89.9 | -10.1 | cyclone |
| 114 | 295.68 | 16:23 | 27.28 | -88.18 | 25.4 | 34 | 77 | 141 | 91.3 | -8.7 | cyclone |
| 115 | 295.73 | 17:35 | 27.13 | -88.08 | 25.5 | 38 | 79 | 147 | 93.3 | -6.7 | cyclone |
| 116 | 295.84 | 20:13 | 26.97 | -87.98 | 25.8 | 42 | 86 | 154 | 97.0 | -3.0 | cyclone |
| 117 | 295.90 | 21:40 | 26.80 | -87.88 | 27.3 | 42 | 93 | 175 | 98.7 | -1.3 | cyclone |
| 118 | 295.95 | 22:47 | 26.66 | -87.84 | 27.5 | 44 | 108 | 195 | 102.9 | 2.9 | confluence |
| 119 | 296.00 | 23:58 | 26.50 | -87.79 | 27.6 | 45 | 110 | 200 | 103.1 | 3.1 | confluence |
| 120 | 296.05 | 1:18 | 26.32 | -87.74 | 27.6 | 55 | 114 | 188 | 102.8 | 2.8 | confluence |
| 121 | 296.18 | 4:20 | 26.16 | -87.69 | 27.5 | 51 | 116 | 201 | 103.5 | 3.5 | confluence |
| 122 | 296.23 | 5:36 | 26.01 | -87.62 | 27.5 | 50 | 123 | 211 | 106.6 | 6.6 | confluence |
| 123 | 296.29 | 6:51 | 25.85 | -87.57 | 27.6 | 65 | 141 | 222 | 115.2 | 15.2 | confluence |
| 124 | 296.34 | 8:08 | 25.69 | -87.55 | 27.8 | 58 | 160 | 267 | 125.0 | 25.0 | LCE °C° |
| 125 | 296.48 | 11:37 | 25.53 | -87.43 | 27.6 | 66 | 213 | 354 | 136.7 | 36.7 | LCE °C° |
| 126 | 296.53 | 12:50 | 25.37 | -87.41 | 27.6 | 58 | 236 | 376 | 142.6 | 42.6 | LCE °C° |
| 127 | 296.58 | 13:59 | 25.22 | -87.39 | 27.5 | 54 | 252 | 395 | 146.1 | 46.1 | LCE °C° |
| 128 | 296.64 | 15:17 | 25.05 | -87.38 | 27.4 | 62 | 270 | 403 | 150.3 | 50.3 | LCE °C° |
| 129 (CTD-08) | 296.66 | 15:49 | 25.02 | -87.37 | 27.4 | 62 | 263 | 403 | 149.7 | 49.7 | LCE °C° |
| 130 | 296.77 | 18:27 | 24.85 | -87.31 | 27.5 | 70 | 272 | 408 | 150.1 | 50.1 | LCE °C° |
| 131 | 296.82 | 19:47 | 24.68 | -87.25 | 27.6 | 64 | 258 | 403 | 147.4 | 47.4 | LCE °C° |
| 132 | 296.91 | 21:46 | 24.82 | -87.42 | 27.5 | 67 | 258 | 387 | 146.7 | 46.7 | LCE °C° |
| 133 | 296.95 | 22:55 | 24.97 | -87.47 | 27.3 | 63 | 244 | | | | LCE °C° |
| 134 | 297.01 | 0:09 | 25.13 | -87.56 | 27.7 | 68 | 241 | 372 | 143.7 | 43.7 | LCE °C° |
| 135 | 297.11 | 2:45 | 25.30 | -87.60 | 27.6 | 64 | 223 | 333 | 137.3 | 37.3 | LCE °C° |
| 136 | 297.17 | 4:05 | 25.45 | -87.70 | 27.7 | 68 | 164 | 268 | 127.1 | 27.1 | LCE °C° |
| 137 | 297.21 | 5:08 | 25.58 | -87.78 | 27.5 | 35 | 152 | 256 | 118.8 | 18.8 | confluence |
| 138 | 297.27 | 6:31 | 25.73 | -87.88 | 27.4 | 63 | 143 | 231 | 121.2 | 21.2 | confluence |
| 139 | 297.33 | 7:50 | 25.90 | -87.96 | 27.5 | 73 | 148 | 227 | 110.2 | 10.2 | confluence |
| 140 | 297.44 | 10:34 | 26.06 | -88.02 | 27.5 | 70 | 148 | 212 | 105.1 | 5.1 | confluence |
| 141 | 297.52 | 12:30 | 26.19 | -88.10 | 27.5 | 63 | 134 | 202 | 103.7 | 3.7 | confluence |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus *R/V Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|--------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 142 | 297.58 | 13:50 | 26.35 | -88.18 | 27.5 | 52 | 112 | 204 | 104.2 | 4.2 | confluence |
| 143 | 297.63 | 15:03 | 26.50 | -88.25 | 26.8 | 54 | 110 | 181 | 102.8 | 2.8 | confluence |
| 144 | 297.68 | 16:20 | 26.65 | -88.33 | 26.5 | 47 | 102 | 183 | 100.9 | 0.9 | confluence |
| 145 | 297.74 | 17:46 | 26.82 | -88.41 | 26.0 | 52 | 93 | 171 | 100.5 | 0.5 | confluence |
| 146 | 297.80 | 19:14 | 26.99 | -88.50 | 25.7 | 42 | 91 | 174 | 99.0 | -1.0 | cyclone |
| 147 (CTD-09) | 297.84 | 20:16 | 27.08 | -88.56 | 25.7 | 47 | 86 | 164 | 97.0 | -3.0 | cyclone |
| 148 | 297.98 | 23:30 | 27.16 | -88.58 | 25.7 | 44 | 83 | 166 | 96.1 | -3.9 | cyclone |
| 149 | 298.05 | 1:11 | 27.29 | -88.68 | 25.6 | 40 | 83 | 158 | 94.7 | -5.3 | cyclone |
| 150 | 298.17 | 3:58 | 27.43 | -88.78 | 25.5 | 38 | 84 | 156 | 94.2 | -5.8 | cyclone |
| 151 | 298.22 | 5:22 | 27.59 | -88.90 | 26.1 | 40 | 90 | 158 | 96.5 | -3.5 | cyclone |
| 152 | 298.28 | 6:39 | 27.74 | -89.00 | 25.5 | 41 | 87 | 166 | 96.4 | -3.6 | cyclone |
| 153 | 298.33 | 7:52 | 27.88 | -89.09 | | 48 | | | | | other margin |
| 154 | 298.38 | 9:07 | 28.02 | -89.19 | 25.4 | 49 | 96 | 177 | 100.6 | 0.6 | other margin |
| 155 | 298.44 | 10:32 | 28.18 | -89.32 | 25.1 | 54 | 92 | 189 | 103.4 | 3.4 | other margin |
| 156 | 298.49 | 11:52 | 28.31 | -89.46 | 25.1 | 50 | 94 | 187 | | | other margin |
| 157 (CTD-10) | 298.56 | 13:24 | 28.50 | -89.51 | 24.1 | 15 | 92 | 226 | | | other margin |
| 158 | 298.66 | 15:45 | 28.31 | -89.46 | 25.4 | 58 | 94 | 190 | 105.9 | 5.9 | other margin |
| 159 | 298.71 | 17:03 | 28.15 | -89.39 | 25.1 | 55 | 100 | 192 | 103.8 | 3.8 | other margin |
| 160 | 298.76 | 18:16 | 28.00 | -89.32 | 25.2 | 50 | 85 | 198 | 102.3 | 2.3 | other margin |
| 161 | 298.82 | 19:35 | 27.84 | -89.26 | 25.6 | 46 | 72 | 176 | 99.5 | -0.5 | cyclone |
| 162 | 298.86 | 20:33 | 27.76 | -89.33 | 25.2 | 44 | 84 | 162 | 98.9 | -1.1 | cyclone |
| 163 | 298.90 | 21:29 | 27.65 | -89.28 | 25.4 | 42 | 86 | 171 | 98.4 | -1.6 | cyclone |
| 164 | 298.95 | 22:44 | 27.50 | -89.20 | 25.5 | 43 | 95 | 167 | 98.4 | -1.6 | cyclone |
| 165 | 299.00 | 23:56 | 27.36 | -89.12 | 26.1 | 44 | 93 | 173 | 98.4 | -1.6 | cyclone |
| 166 | 299.05 | 1:15 | 27.23 | -89.05 | 26.3 | 42 | 89 | 168 | 98.1 | -1.9 | cyclone |
| 167 | 299.23 | 5:37 | 27.02 | -89.04 | 26.8 | 41 | 103 | 169 | 100.3 | 0.3 | other margin |
| 168 | 299.28 | 6:50 | 26.86 | -88.97 | 26.6 | 45 | 100 | 168 | 100.6 | 0.6 | other margin |
| 169 | 299.33 | 7:59 | 26.72 | -88.92 | 26.8 | 54 | 112 | 172 | 104.8 | 4.8 | other margin |
| 170 | 299.46 | 11:04 | 26.56 | -88.84 | 26.8 | 48 | 118 | 185 | 104.9 | 4.9 | other margin |
| 171 | 299.52 | 12:25 | 26.41 | -88.75 | 26.4 | 49 | 116 | 187 | 104.1 | 4.1 | other margin |
| 172 | 299.58 | 13:52 | 26.23 | -88.65 | 27.5 | 52 | 114 | 196 | 105.0 | 5.0 | other margin |
| 173 | 299.63 | 15:04 | 26.09 | -88.58 | 27.5 | 52 | 113 | 233 | 106.8 | 6.8 | other margin |
| 174 | 299.67 | 16:08 | 25.95 | -88.53 | 27.3 | 45 | 116 | 240 | 106.5 | 6.5 | other margin |
| 175 | 299.73 | 17:26 | 25.79 | -88.47 | 26.9 | 56 | 122 | 216 | 107.1 | 7.1 | other margin |
| 176 | 299.78 | 18:37 | 25.64 | -88.41 | 26.5 | 61 | 130 | 210 | 109.7 | 9.7 | other margin |
| 177 | 299.83 | 20:02 | 25.48 | -88.33 | 27.4 | 62 | 138 | 217 | 112.5 | 12.5 | other margin |
| 178 | 299.90 | 21:39 | 25.38 | -88.14 | 27.4 | 78 | 160 | 247 | 120.0 | 20.0 | other margin |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus *RV Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|--------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 179 | 299.96 | 23:01 | 25.31 | -87.97 | 27.7 | 72 | 180 | 271 | 130.2 | 30.2 | LCE °C |
| 180 | 300.02 | 0:25 | 25.22 | -87.82 | 27.7 | 67 | 228 | 345 | 137.5 | 37.5 | LCE °C |
| 181 | 300.07 | 1:42 | 25.12 | -87.66 | 27.6 | 64 | 240 | 414 | 144.8 | 44.8 | LCE °C |
| 182 | 300.10 | 2:21 | 25.17 | -87.58 | 27.4 | 68 | 240 | 419 | 145.4 | 45.4 | LCE °C |
| 183 | 300.12 | 2:54 | 25.23 | -87.51 | 27.7 | 59 | 247 | 416 | 145.7 | 45.7 | LCE °C |
| 184 | 300.14 | 3:22 | 25.28 | -87.45 | 27.8 | 66 | 268 | 424 | 150.4 | 50.4 | LCE °C |
| 185 | 300.16 | 3:53 | 25.34 | -87.38 | 27.6 | 65 | 253 | 410 | 148.2 | 48.2 | LCE °C |
| 186 | 300.18 | 4:22 | 25.39 | -87.32 | 27.6 | 70 | 252 | 395 | 147.4 | 47.4 | LCE °C |
| 187 | 300.21 | 5:02 | 25.46 | -87.26 | 27.7 | 67 | 244 | 398 | 146.1 | 46.1 | LCE °C |
| 188 (CTD-11) | 300.23 | 5:25 | 25.47 | -87.22 | 27.6 | 65 | 235 | 384 | 143.3 | 43.3 | LCE °C |
| 189 | 300.34 | 8:06 | 25.59 | -87.21 | 27.6 | 59 | 232 | 376 | 142.2 | 42.2 | LCE °C |
| 190 | 300.39 | 9:18 | 25.75 | -87.27 | 27.6 | 57 | 208 | 339 | 134.0 | 34.0 | LCE °C |
| 191 | 300.43 | 10:23 | 25.89 | -87.33 | 27.6 | 63 | 177 | 287 | 124.9 | 24.9 | LCE °C |
| 192 | 300.48 | 11:34 | 26.04 | -87.40 | 27.3 | 64 | 140 | 208 | 113.6 | 13.6 | confluence |
| 193 | 300.53 | 12:50 | 26.20 | -87.49 | 27.2 | 62 | 140 | 208 | 107.0 | 7.0 | confluence |
| 194 | 300.58 | 13:49 | 26.34 | -87.54 | 27.1 | 57 | 124 | 195 | 104.5 | 4.5 | confluence |
| 195 | 300.62 | 14:56 | 26.50 | -87.60 | 27.5 | 54 | 126 | 194 | 102.3 | 2.3 | confluence |
| 196 | 300.67 | 16:03 | 26.66 | -87.65 | 27.4 | 44 | 108 | 183 | 98.8 | -1.2 | cyclone |
| 197 | 300.72 | 17:23 | 26.84 | -87.70 | 25.9 | 50 | 95 | 180 | 99.8 | -0.2 | cyclone |
| 198 | 300.77 | 18:22 | 26.98 | -87.75 | 26.0 | 43 | 90 | 164 | 96.2 | -3.8 | cyclone |
| 199 | 300.93 | 22:12 | 27.13 | -87.75 | 25.7 | 36 | 79 | 146 | 92.0 | -8.0 | cyclone |
| 200 | 300.98 | 23:33 | 27.28 | -87.85 | 25.6 | 39 | 86 | 143 | 90.8 | -9.2 | cyclone |
| 201 | 301.14 | 3:18 | 27.45 | -87.87 | 25.8 | 37 | 78 | 134 | 91.4 | -8.6 | cyclone |
| 202 | 301.19 | 4:29 | 27.62 | -87.95 | 25.7 | 36 | 75 | 130 | 91.2 | -8.8 | cyclone |
| 203 | 301.25 | 6:01 | 27.80 | -88.05 | 25.9 | 38 | 81 | 148 | 93.6 | -6.4 | cyclone |
| 204 | 301.29 | 6:51 | 27.91 | -88.11 | 25.8 | 40 | 81 | 145 | 94.4 | -5.6 | cyclone |
| 205 | 301.33 | 8:01 | 28.05 | -88.18 | 25.8 | 44 | 83 | 154 | 95.0 | -5.0 | cyclone |
| 206 | 301.48 | 11:35 | 28.22 | -88.24 | 25.7 | 47 | 90 | 169 | 99.1 | -0.9 | cyclone |
| 207 | 301.53 | 12:47 | 28.36 | -88.34 | 25.8 | 43 | 93 | 171 | 100.8 | 0.8 | other margin |
| 208 | 301.58 | 14:01 | 28.50 | -88.42 | 25.8 | 50 | 103 | 167 | 103.2 | 3.2 | other margin |
| 209 | 301.64 | 15:15 | 28.65 | -88.49 | 25.4 | 55 | 92 | 167 | 105.4 | 5.4 | MOM |
| 210 (CTD-12) | 301.68 | 16:12 | 28.67 | -88.52 | 25.2 | 52 | 91 | 170 | 104.4 | 4.4 | MOM |
| 211 | 301.76 | 18:21 | 28.70 | -88.69 | 25.5 | 44 | 96 | 194 | 107.9 | 7.9 | MOM |
| 212 | 301.82 | 19:43 | 28.70 | -88.91 | 25.5 | 56 | 104 | 207 | 111.1 | 11.1 | MOM |
| 213 | 301.88 | 21:07 | 28.55 | -88.94 | 25.3 | 54 | 99 | 206 | 106.2 | 6.2 | MOM |
| 214 | 301.91 | 21:57 | 28.46 | -89.02 | 25.9 | 52 | 107 | 197 | 106.4 | 6.4 | MOM |
| 215 | 301.96 | 23:03 | 28.38 | -88.92 | 26.0 | 47 | 100 | 183 | 104.9 | 4.9 | MOM |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | surf Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|---------------------|------------|-------|----------|-----------|-----------|-----|-----------|-----------|--------------|---------------|--------------|
| 216 | 302.00 | 23:58 | 28.30 | -88.83 | 25.9 | 49 | 97 | 166 | 101.9 | 1.9 | MOM |
| 217 | 302.07 | 1:36 | 28.23 | -88.91 | 25.8 | 49 | 96 | 178 | 99.6 | -0.4 | MOM |
| 218 | 302.14 | 3:22 | 28.12 | -88.97 | 25.9 | 44 | 87 | 168 | 97.2 | -2.8 | cyclone |
| 219 | 302.19 | 4:36 | 28.19 | -89.08 | 25.9 | 42 | 97 | 171 | 100.6 | 0.6 | MOM |
| 220 | 302.29 | 6:51 | 28.29 | -89.16 | 25.9 | 41 | 97 | 180 | 103.6 | 3.6 | MOM |
| 221 | 302.32 | 7:42 | 28.37 | -89.25 | 25.8 | 51 | 99 | 206 | | | MOM |
| 222 | 302.36 | 8:34 | 28.44 | -89.18 | 25.7 | 60 | 94 | 179 | | | MOM |
| 223 | 302.43 | 10:20 | 28.38 | -89.07 | 26.0 | 46 | 92 | 180 | 104.6 | 4.6 | MOM |
| 224 | 302.47 | 11:22 | 28.29 | -88.97 | 25.9 | 45 | 95 | 177 | 101.5 | 1.5 | MOM |
| 225 | 302.55 | 13:16 | 28.05 | -89.06 | 25.8 | 41 | 82 | 172 | 97.2 | -2.8 | cyclone |
| 226 | 302.85 | 20:22 | 28.12 | -89.17 | 26.1 | 45 | 96 | 168 | 100.3 | 0.3 | MOM |
| 227 | 302.90 | 21:32 | 28.19 | -89.28 | 26.3 | 42 | 99 | 181 | 103.5 | 3.5 | MOM |
| 228 | 302.95 | 22:42 | 28.28 | -89.33 | 26.0 | 50 | 106 | 176 | 105.7 | 5.7 | MOM |
| 229 | 303.08 | 1:53 | 28.53 | -89.07 | 25.7 | 55 | 105 | 194 | 99.5 | -0.5 | MOM |
| 230 | 303.11 | 2:38 | 28.62 | -88.98 | 25.4 | 53 | 98 | 182 | 93.8 | -6.2 | cyclone |
| 231 | 303.16 | 3:46 | 28.62 | -88.79 | 25.5 | 50 | 94 | 171 | 105.8 | 5.8 | other margin |
| 232 | 303.36 | 8:38 | 28.67 | -88.17 | 25.8 | 57 | 107 | 183 | 102.7 | 2.7 | other margin |
| 233 | 303.39 | 9:15 | 28.75 | -88.17 | 25.5 | 56 | 116 | 189 | 103.0 | 3.0 | other margin |
| 234 | 303.41 | 9:52 | 28.83 | -88.17 | 25.4 | 58 | 112 | 196 | 103.8 | 3.8 | other margin |
| 235 | 303.44 | 10:31 | 28.90 | -88.17 | 25.6 | 58 | 114 | 201 | 107.2 | 7.2 | other margin |
| 236 | 303.46 | 11:08 | 29.00 | -88.17 | 25.4 | 59 | 115 | 206 | 107.5 | 7.5 | other margin |
| 237 | 303.49 | 11:45 | 29.08 | -88.17 | 25.4 | 57 | 123 | 222 | 110.3 | 10.3 | other margin |
| 238 | 303.52 | 12:28 | 29.18 | -88.17 | 25.5 | 54 | 130 | 252 | | | other margin |
| 239 | 303.54 | 12:58 | 29.25 | -88.16 | 25.6 | 55 | 104 | | | | other margin |
| 240 | 303.56 | 13:31 | 29.33 | -88.15 | 25.2 | 61 | | | | | other margin |
| 241 | 303.59 | 14:04 | 29.42 | -88.15 | 24.9 | | | | | | other margin |
| OregonII-225 | | | | | | | | | | | |
| 2 | 151.45 | 10:55 | 28.62 | -84.67 | 24.6 | 18 | 74 | | | | other margin |
| 3 | 151.52 | 12:33 | 28.29 | -85.10 | 25.2 | 14 | 93 | 159 | | | other margin |
| 4 | 151.54 | 13:00 | 28.23 | -85.13 | 25.1 | 14 | 97 | 159 | | | other margin |
| 5 | 151.58 | 13:51 | 28.11 | -85.19 | 25.2 | 20 | 102 | 173 | | | other margin |
| 6 | 151.69 | 16:37 | 27.96 | -85.29 | 25.7 | 15 | 101 | | | | other margin |
| 7 | 151.73 | 17:29 | 27.81 | -85.38 | 26.2 | 17 | 114 | 197 | | | other margin |
| 8 | 151.77 | 18:25 | 27.68 | -85.45 | 25.6 | 28 | 123 | 199 | 101.8 | 6.8 | other margin |
| 9 | 151.82 | 19:40 | 27.51 | -85.54 | 26.1 | 19 | 123 | 195 | 102.5 | 7.5 | other margin |
| CTD-1 | 152.06 | 1:20 | 27.67 | -85.65 | 26.2 | 18 | 122 | 196 | 102.0 | 7.0 | other margin |
| 10 | 152.43 | 10:25 | 27.66 | -85.65 | 26.6 | 20 | 125 | 197 | 103.3 | 8.3 | other margin |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|---------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 11 | 152.50 | 12:03 | 27.82 | -85.59 | 26.6 | 26 | 117 | 192 | 102.4 | 7.4 | other margin |
| 12 | 152.55 | 13:14 | 27.97 | -85.61 | 25.7 | 26 | 117 | 190 | | | other margin |
| 13 | 152.59 | 14:09 | 28.12 | -85.61 | 25.5 | 24 | 112 | 196 | | | other margin |
| 14 | 152.63 | 15:13 | 28.29 | -85.59 | 25.5 | 23 | 110 | 190 | | | other margin |
| 15 | 152.70 | 16:43 | 28.43 | -85.57 | 25.2 | 25 | 109 | 183 | | | other margin |
| 16 | 152.73 | 17:36 | 28.57 | -85.56 | 25.4 | 22 | 105 | 160 | | | other margin |
| 17 | 152.78 | 18:37 | 28.74 | -85.54 | 25.0 | 15 | 85 | 148 | | | other margin |
| 18 | 152.82 | 19:37 | 28.89 | -85.55 | 25.2 | 21 | 83 | 140 | | | other margin |
| 19 | 152.85 | 20:24 | 29.00 | -85.52 | 25.2 | 14 | 97 | | | | other margin |
| 20 | 152.92 | 22:01 | 29.20 | -85.60 | 25.4 | 19 | 67 | | | | other margin |
| 21 | 152.95 | 22:42 | 29.08 | -85.65 | 25.0 | 18 | 87 | 128 | | | other margin |
| 22 | 153.00 | 23:55 | 28.90 | -85.72 | 25.1 | 20 | 95 | 178 | | | other margin |
| 23 | 153.49 | 11:39 | 28.73 | -85.81 | 24.7 | 13 | 102 | 174 | | | other margin |
| 24 | 153.53 | 12:44 | 28.57 | -85.87 | 24.7 | 11 | 117 | 184 | | | other margin |
| 25 | 153.60 | 14:22 | 28.41 | -85.94 | 24.3 | 32 | 123 | 197 | | | other margin |
| 26 | 153.66 | 15:53 | 28.24 | -85.98 | 25.5 | 29 | 124 | 204 | | | other margin |
| 27 | 153.71 | 16:59 | 28.10 | -86.06 | 26.8 | 24 | 119 | 183 | 103.4 | 8.4 | other margin |
| 28 | 153.83 | 19:57 | 27.91 | -86.07 | 26.9 | 13 | 126 | 190 | 104.0 | 9.0 | other margin |
| CTD-2 | 153.85 | 20:18 | 27.91 | -86.07 | 26.3 | 12 | 124 | 183 | 100.9 | 5.9 | other margin |
| 29 | 153.90 | 21:33 | 27.93 | -86.15 | 27.0 | 22 | 127 | 188 | 104.9 | 9.9 | other margin |
| 30 | 153.97 | 23:13 | 28.10 | -86.25 | 27.0 | 24 | 123 | 186 | | | other margin |
| 31 | 154.02 | 0:30 | 28.25 | -86.17 | 26.4 | 22 | 129 | 182 | | | other margin |
| 32 | 154.49 | 11:48 | 28.42 | -86.18 | 24.6 | 35 | 131 | 193 | | | other margin |
| 33 | 154.54 | 12:59 | 28.59 | -86.19 | 25.1 | 20 | 139 | 206 | | | other margin |
| 34 | 154.58 | 14:00 | 28.75 | -86.20 | 24.6 | 17 | 118 | 188 | | | other margin |
| 35 | 154.65 | 15:38 | 28.92 | -86.21 | 24.8 | 29 | 111 | 178 | | | other margin |
| 36 | 154.70 | 16:41 | 29.08 | -86.22 | 24.9 | 37 | 105 | 171 | | | other margin |
| 37 | 154.78 | 18:45 | 29.25 | -86.24 | 25.3 | 31 | 102 | 167 | | | other margin |
| 38 | 154.83 | 19:54 | 29.42 | -86.24 | 25.4 | 27 | 107 | 143 | | | other margin |
| 39 | 154.91 | 21:46 | 29.58 | -86.26 | 25.5 | 12 | 88 | | | | other margin |
| 40 | 155.77 | 18:33 | 29.84 | -86.53 | 25.3 | 15 | 91 | | | | other margin |
| 41 | 155.85 | 20:18 | 29.66 | -86.55 | 25.4 | 14 | 85 | 120 | | | other margin |
| 42 | 155.92 | 22:00 | 29.51 | -86.56 | 26.1 | 27 | 101 | 155 | | | other margin |
| 43 | 156.00 | 23:53 | 29.34 | -86.58 | 25.7 | 21 | 108 | 186 | | | other margin |
| 44 | 156.47 | 11:19 | 29.17 | -86.59 | 25.4 | 22 | 125 | 200 | | | other margin |
| 45 | 156.54 | 12:54 | 28.98 | -86.54 | 25.3 | 13 | 127 | 225 | | | other margin |
| 46 | 156.59 | 14:07 | 28.85 | -86.62 | 25.6 | 27 | | | | | other margin |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|----------------|
| 47 | 156.63 | 15:12 | 28.68 | -86.64 | 25.1 | 16 | 140 | 202 | | | other margin |
| 48 | 156.68 | 16:20 | 28.51 | -86.66 | 25.5 | 29 | 122 | 202 | | | other margin |
| 49 | 156.73 | 17:27 | 28.35 | -86.67 | 26.9 | 29 | 103 | 181 | 100.5 | 9.5 | other margin |
| 50 | 156.80 | 19:05 | 28.13 | -86.68 | 27.4 | 23 | 95 | 173 | 99.3 | 4.3 | other margin |
| CTD-3 | 156.86 | 20:36 | 28.20 | -86.82 | 26.5 | 28 | 82 | 136 | 92.7 | -2.3 | cyclone |
| 51 | 156.88 | 21:13 | 28.21 | -86.84 | 27.1 | 28 | 87 | 146 | 96.0 | 1.0 | cyclone |
| 52 | 156.92 | 22:08 | 28.33 | -86.85 | 26.9 | 30 | | | | | other margin |
| 53 | 156.97 | 23:16 | 28.50 | -86.88 | 26.1 | 27 | 114 | 194 | | | other margin |
| 54 | 157.46 | 11:09 | 28.67 | -86.88 | 25.4 | 19 | 130 | 195 | | | other margin |
| 56 | 157.53 | 12:41 | 28.86 | -86.87 | 25.2 | 25 | 137 | 210 | | | other margin |
| 57 | 157.57 | 13:44 | 28.99 | -86.84 | 25.0 | 27 | 138 | 219 | | | other margin |
| 58 | 157.66 | 15:51 | 29.16 | -86.95 | 25.2 | 29 | 131 | 202 | | | other margin |
| 59 | 157.71 | 16:56 | 29.32 | -86.93 | 25.9 | 23 | 117 | 188 | | | other margin |
| 60 | 157.80 | 19:09 | 29.50 | -86.90 | 25.7 | 22 | 105 | 164 | | | other margin |
| 61 | 157.84 | 20:16 | 29.66 | -86.95 | 25.8 | 25 | 87 | 116 | | | other margin |
| 62 | 157.90 | 21:36 | 29.80 | -87.00 | 25.0 | 28 | 82 | 123 | | | other margin |
| 63 | 157.95 | 22:44 | 29.97 | -87.02 | 25.8 | 16 | 80 | | | | other margin |
| 64 | 158.56 | 13:33 | 29.81 | -87.33 | 25.2 | 21 | | | | | other margin |
| 65 | 158.62 | 14:59 | 29.65 | -87.31 | 25.4 | 25 | 78 | 125 | | | other margin |
| 66 | 158.68 | 16:17 | 29.48 | -87.31 | 26.3 | 23 | 106 | 129 | | | other margin |
| 67 | 158.73 | 17:26 | 29.32 | -87.32 | 26.2 | 21 | 116 | 184 | | | other margin |
| 68 | 158.77 | 18:29 | 29.17 | -87.34 | 25.7 | 29 | 128 | 201 | | | other margin |
| 69 | 158.85 | 20:27 | 28.99 | -87.36 | 26.2 | 26 | 120 | 193 | | | other margin |
| 70 | 158.90 | 21:34 | 28.83 | -87.37 | 25.8 | 29 | 121 | 200 | | | other margin |
| 71 | 158.94 | 22:37 | 28.68 | -87.38 | 26.1 | 26 | 115 | 192 | | | other margin |
| 72 | 159.00 | 23:57 | 28.47 | -87.40 | 26.7 | 28 | 105 | 171 | 96.7 | 1.7 | other margin |
| CTD-4 | 158.04 | 1:01 | 28.37 | -87.40 | 26.2 | 26 | 89 | 144 | 90.2 | -4.8 | n edge cyclone |
| 73 | 158.05 | 1:15 | 28.37 | -87.41 | 26.7 | 26 | 93 | 148 | 93.5 | -1.5 | n edge cyclone |
| 74 | 158.45 | 10:45 | 28.25 | -87.60 | 26.5 | 28 | 103 | 157 | 94.8 | -0.2 | n edge cyclone |
| 75 | 158.49 | 11:42 | 28.41 | -87.61 | 26.5 | 27 | 104 | 171 | 96.2 | 1.2 | other margin |
| 76 | 158.53 | 12:48 | 28.63 | -87.63 | 26.2 | 26 | 114 | 174 | | | other margin |
| 77 | 158.59 | 14:05 | 28.77 | -87.64 | 25.8 | 33 | 122 | 191 | | | other margin |
| 78 | 158.65 | 15:34 | 28.91 | -87.64 | 26.1 | 30 | 122 | 190 | | | other margin |
| 79 | 158.70 | 16:41 | 29.08 | -87.65 | 25.9 | 28 | 125 | 192 | | | other margin |
| Gyre-97G08 | | | | | | | | | | | |
| 1 | 218.37 | 8:47 | 28.64 | -89.24 | 29.5 | 12 | 91 | 143 | | | other margin |
| 2 | 218.40 | 9:43 | 28.66 | -89.00 | 29.2 | 22 | 92 | 182 | | | MCM |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 3 | 218.50 | 11:53 | 28.51 | -88.95 | 29.4 | 19 | 101 | 181 | 108.7 | 3.7 | MOM |
| 4 | 218.55 | 13:12 | 28.34 | -88.90 | 29.4 | 21 | 97 | 174 | 108.1 | 3.1 | MOM |
| 5 | 218.62 | 14:47 | 28.17 | -88.85 | 29.7 | 18 | 88 | 157 | 106.4 | 1.4 | MOM |
| 6 | 218.68 | 16:25 | 28.00 | -88.80 | 29.7 | 22 | 95 | 175 | 111.2 | 6.2 | confluence |
| 7 | 218.74 | 17:44 | 27.83 | -88.74 | 29.9 | 28 | 125 | 198 | 125.7 | 20.7 | confluence |
| 8 | 218.78 | 18:45 | 27.73 | -88.65 | 29.9 | 30 | 144 | 212 | 129.1 | 24.1 | confluence |
| 9 | 218.80 | 19:19 | 27.67 | -88.62 | 29.5 | 50 | 157 | 229 | 125.8 | 20.8 | confluence |
| 10 | 218.87 | 20:56 | 27.49 | -88.53 | 30.3 | 28 | 189 | 263 | 138.9 | 33.9 | LCE "E" |
| 11 | 218.93 | 22:13 | 27.33 | -88.50 | 30.6 | 32 | 221 | 290 | 147.6 | 42.6 | LCE "E" |
| 12 | 218.98 | 23:33 | 27.17 | -88.47 | 30.6 | 29 | 232 | 322 | 154.1 | 49.1 | LCE "E" |
| 13 | 219.04 | 0:52 | 27.01 | -88.43 | 30.7 | 28 | 269 | 351 | 160.3 | 55.3 | LCE "E" |
| 14 | 219.15 | 3:41 | 26.84 | -88.38 | 30.4 | 40 | 279 | 393 | 164.6 | 59.6 | LCE "E" |
| 15 | 219.31 | 7:27 | 26.65 | -88.33 | 30.3 | 46 | 288 | 437 | 170.3 | 65.3 | LCE "E" |
| 16 | 219.37 | 8:47 | 26.49 | -88.31 | 30.5 | 41 | 293 | 442 | 172.7 | 67.7 | LCE "E" |
| 17 | 219.42 | 10:02 | 26.34 | -88.28 | 30.2 | 35 | 296 | 443 | 172.2 | 67.2 | LCE "E" |
| 18 | 219.48 | 11:32 | 26.16 | -88.24 | 30.2 | 44 | 301 | 453 | 175.9 | 70.9 | LCE "E" |
| 19 | 219.54 | 13:04 | 26.01 | -88.19 | 30.2 | 46 | 293 | 427 | 172.2 | 67.2 | LCE "E" |
| 19 (CTD-1) | 219.55 | 13:19 | 26.00 | -88.20 | 30.2 | 44 | 295 | 421 | | | LCE "E" |
| 20 | 219.64 | 15:27 | 26.17 | -88.21 | 30.4 | 48 | 294 | 452 | 173.6 | 68.6 | LCE "E" |
| 21 | 219.72 | 17:15 | 26.33 | -88.20 | 30.4 | 37 | 303 | 457 | 175.6 | 70.6 | LCE "E" |
| 22 | 219.77 | 18:30 | 26.50 | -88.17 | 30.4 | 39 | 295 | 445 | 174.3 | 69.3 | LCE "E" |
| 23 | 219.82 | 19:44 | 26.67 | -88.15 | 30.5 | 41 | 295 | 437 | 173.8 | 68.8 | LCE "E" |
| 24 | 219.87 | 20:54 | 26.83 | -88.14 | 30.5 | 37 | 296 | 419 | 170.6 | 65.6 | LCE "E" |
| 25 | 219.92 | 22:10 | 27.00 | -88.12 | 30.9 | 32 | 278 | 370 | 163.3 | 58.3 | LCE "E" |
| 26 | 219.99 | 23:41 | 27.17 | -88.10 | 30.8 | 34 | 244 | 326 | 155.6 | 50.6 | LCE "E" |
| 27 | 220.04 | 0:59 | 27.33 | -88.09 | 30.8 | 29 | 229 | 303 | 148.4 | 43.4 | LCE "E" |
| 28 | 220.10 | 2:20 | 27.50 | -88.08 | 30.4 | 32 | 183 | 267 | 137.7 | 32.7 | LCE "E" |
| 29 | 220.15 | 3:38 | 27.67 | -88.07 | 30.2 | 38 | 151 | 234 | 127.2 | 22.2 | confluence |
| 30 | 220.38 | 9:00 | 27.83 | -87.98 | 30.3 | 25 | 140 | 205 | 118.8 | 13.8 | confluence |
| 31 (CTD-2) | 220.41 | 9:57 | 27.94 | -87.98 | 30.0 | 30 | 117 | 191 | 109.3 | 4.3 | confluence |
| 32 | 220.49 | 11:46 | 28.00 | -87.94 | 30.0 | 28 | 113 | 177 | 105.2 | 0.2 | confluence |
| 33 | 220.54 | 13:03 | 28.17 | -87.95 | 29.8 | 27 | 105 | 157 | 105.4 | 0.4 | confluence |
| 34 | 220.60 | 14:20 | 28.33 | -87.97 | 29.7 | 22 | 105 | 159 | 104.2 | -0.8 | cyclone |
| 35 | 220.66 | 15:49 | 28.50 | -87.97 | 29.6 | 21 | 100 | 158 | 104.4 | -0.6 | cyclone |
| 36 | 220.71 | 17:00 | 28.67 | -87.98 | 29.8 | 20 | 102 | 172 | 104.4 | -0.6 | cyclone |
| 37 | 220.77 | 18:26 | 28.84 | -88.02 | 30.0 | 17 | 119 | 190 | 107.7 | 2.7 | other margin |
| 38 | 220.82 | 19:37 | 29.00 | -88.01 | 30.1 | 17 | 120 | 191 | 109.8 | 4.8 | other margin |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 39 | 220.87 | 20:46 | 29.17 | -88.00 | 30.1 | 15 | 125 | 196 | | | other margin |
| 40 | 220.96 | 23:05 | 29.00 | -87.94 | 29.9 | 15 | 120 | 197 | 109.9 | 4.9 | other margin |
| 41 | 221.06 | 1:31 | 28.83 | -87.89 | 30.1 | 17 | 117 | 192 | 112.2 | 7.2 | other margin |
| 42 | 221.12 | 2:54 | 28.67 | -87.80 | 30.1 | 13 | 98 | 173 | 106.7 | 1.7 | other margin |
| 43 (CTD-3) | 221.35 | 8:30 | 28.50 | -87.68 | 29.4 | 24 | 91 | 148 | 102.5 | -2.5 | cyclone |
| 44 | 221.46 | 11:06 | 28.33 | -87.60 | 29.6 | 19 | 90 | 146 | 98.5 | -6.5 | cyclone |
| 45 | 221.48 | 11:37 | 28.26 | -87.58 | 29.5 | 20 | 91 | 150 | 98.7 | -6.3 | cyclone |
| 46 | 221.52 | 12:23 | 28.17 | -87.54 | 29.8 | 24 | 85 | 141 | 98.4 | -6.6 | cyclone |
| 47 | 221.58 | 13:53 | 28.00 | -87.46 | 29.3 | 27 | 91 | 141 | 97.5 | -7.5 | cyclone |
| 48 | 221.64 | 15:15 | 27.83 | -87.36 | 29.9 | 25 | 105 | 151 | 101.9 | -3.1 | cyclone |
| 49 | 221.68 | 16:21 | 27.67 | -87.28 | 30.5 | 23 | 113 | 168 | 110.9 | 5.9 | confluence |
| 50 | 221.73 | 17:35 | 27.50 | -87.21 | 30.5 | 25 | 133 | 207 | 117.2 | 12.2 | confluence |
| 51 | 221.78 | 18:50 | 27.33 | -87.14 | 30.6 | 29 | 149 | 234 | 128.4 | 23.4 | confluence |
| 52 | 221.84 | 20:16 | 27.17 | -87.05 | 30.8 | 27 | 160 | 268 | 133.6 | 28.6 | LCE "E" |
| 53 | 221.89 | 21:23 | 27.00 | -86.96 | 30.7 | 25 | 193 | 308 | 142.9 | 37.9 | LCE "E" |
| 54 | 222.02 | 0:25 | 26.83 | -86.91 | 30.5 | 29 | 221 | 318 | 150.9 | 45.9 | LCE "E" |
| 55 | 222.24 | 5:46 | 26.90 | -86.78 | 30.7 | 28 | 184 | 294 | 140.8 | 35.8 | LCE "E" |
| 56 | 222.28 | 6:43 | 27.00 | -86.78 | 30.4 | 30 | 163 | 267 | 132.8 | 27.8 | LCE "E" |
| 57 | 222.34 | 8:15 | 27.17 | -86.80 | 30.1 | 30 | 141 | 227 | 124.0 | 19.0 | confluence |
| 58 | 222.41 | 9:48 | 27.33 | -86.81 | 30.3 | 27 | 120 | 194 | 114.6 | 9.6 | confluence |
| 59 | 222.47 | 11:19 | 27.50 | -86.82 | 30.2 | 20 | 101 | 160 | 106.2 | 1.2 | confluence |
| 60 | 222.53 | 12:39 | 27.67 | -86.84 | 29.7 | 18 | 95 | 140 | 97.8 | -7.2 | cyclone |
| 61 | 222.60 | 14:19 | 27.83 | -86.87 | 29.8 | 19 | 89 | 130 | 92.1 | -12.9 | cyclone |
| 62 (CTD-4) | 222.68 | 16:12 | 28.00 | -86.86 | 30.0 | 23 | 89 | 126 | 91.7 | -13.3 | cyclone |
| 63 | 222.76 | 18:12 | 28.17 | -86.86 | 30.0 | 20 | 82 | 134 | 93.9 | -11.1 | cyclone |
| 64 | 222.81 | 19:22 | 28.33 | -86.88 | 30.4 | 21 | 85 | 134 | 98.3 | -6.7 | cyclone |
| 65 | 222.94 | 22:35 | 28.50 | -86.85 | 30.0 | 19 | 88 | 155 | | | cyclone |
| 66 | 222.99 | 23:50 | 28.67 | -86.87 | 29.9 | 21 | 95 | 156 | | | cyclone |
| 67 | 223.05 | 1:11 | 28.83 | -86.89 | 29.7 | 16 | 100 | 167 | | | other margin |
| 68 | 223.10 | 2:28 | 29.00 | -86.90 | 29.9 | 13 | 100 | 174 | | | other margin |
| 69 | 223.16 | 3:50 | 29.17 | -86.91 | 30.1 | 14 | 108 | 162 | | | other margin |
| 70 | 223.38 | 9:02 | 29.00 | -87.01 | 29.9 | 14 | 112 | 181 | | | other margin |
| 71 | 223.43 | 10:17 | 28.83 | -87.04 | 29.8 | 9 | 103 | 168 | | | other margin |
| 72 | 223.48 | 11:36 | 28.67 | -87.07 | 29.5 | 25 | 97 | 154 | 103.9 | -1.1 | cyclone |
| 73 | 223.54 | 12:51 | 28.50 | -87.11 | 29.8 | 26 | 95 | 151 | 103.4 | -1.6 | cyclone |
| 74 | 223.59 | 14:08 | 28.33 | -87.14 | 29.7 | 23 | 88 | 146 | 99.7 | -5.3 | cyclone |
| 75 | 223.64 | 15:26 | 28.17 | -87.18 | 29.9 | 17 | 89 | 138 | 94.2 | -10.8 | cyclone |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|-------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 76 | 223.69 | 16:31 | 28.00 | -87.20 | 30.0 | 25 | 98 | 130 | 95.1 | -9.9 | cyclone |
| 77 | 223.74 | 17:45 | 27.83 | -87.22 | 30.0 | 25 | 101 | 151 | 98.7 | -6.3 | cyclone |
| 78 | 223.79 | 18:53 | 27.67 | -87.26 | 30.7 | 9 | 122 | 165 | 109.9 | 4.9 | confluence |
| 79 | 223.85 | 20:24 | 27.46 | -87.30 | 30.1 | 44 | 167 | 219 | 125.7 | 20.7 | confluence |
| 80 | 224.06 | 1:32 | 27.33 | -87.27 | 30.1 | 30 | 182 | 254 | 134.1 | 29.1 | LCE "E" |
| 81 | 224.11 | 2:44 | 27.17 | -87.32 | 30.3 | 37 | 220 | 294 | 146.3 | 41.3 | LCE "E" |
| 82 | 224.17 | 4:02 | 27.00 | -87.37 | 30.4 | 39 | 262 | 350 | 160.4 | 55.4 | LCE "E" |
| 83 (CTD-5) | 224.23 | 5:29 | 26.83 | -87.43 | 30.3 | 47 | 296 | 389 | 168.9 | 63.9 | LCE "E" |
| 84 | 224.47 | 11:17 | 27.00 | -87.50 | 30.3 | 42 | 279 | 365 | 166.0 | 61.0 | LCE "E" |
| 85 | 224.55 | 13:12 | 27.17 | -87.59 | 29.9 | 40 | 253 | 343 | 155.9 | 50.9 | LCE "E" |
| 86 | 224.62 | 14:52 | 27.33 | -87.70 | 30.4 | 37 | 235 | 328 | 151.2 | 46.2 | LCE "E" |
| 87 | 224.69 | 16:30 | 27.50 | -87.79 | 30.4 | 32 | 220 | 310 | 142.7 | 37.7 | LCE "E" |
| 88 | 224.76 | 18:11 | 27.67 | -87.89 | 30.6 | 27 | 189 | 282 | 135.2 | 30.2 | LCE "E" |
| 89 | 224.82 | 19:46 | 27.83 | -87.99 | 30.3 | 24 | 145 | 249 | 123.4 | 18.4 | confluence |
| 90 | 224.89 | 21:23 | 28.00 | -88.09 | 31.1 | 19 | 104 | 210 | 110.2 | 5.2 | confluence |
| 91 | 224.95 | 22:52 | 28.17 | -88.18 | 30.7 | 19 | 99 | 170 | 104.8 | -0.2 | cyclone |
| 92 | 225.06 | 1:25 | 28.33 | -88.25 | 30.5 | 9 | 99 | 180 | 104.6 | -0.4 | cyclone |
| 93 | 225.12 | 2:55 | 28.50 | -88.39 | 30.5 | 9 | 97 | 168 | 108.8 | 3.8 | other margin |
| 94 (CTD-6) | 225.17 | 4:04 | 28.62 | -88.47 | 30.1 | 12 | 103 | 172 | 105.9 | 0.9 | other margin |
| 95 | 225.27 | 6:32 | 28.80 | -88.48 | 30.0 | 17 | 111 | 186 | 109.6 | 4.6 | other margin |
| 96 | 225.32 | 7:42 | 28.96 | -88.48 | 29.9 | 8 | 104 | 178 | 108.4 | 3.4 | other margin |
| 97 | 225.37 | 8:49 | 29.11 | -88.48 | 29.9 | 10 | 91 | 166 | | | other margin |
| 98 | 225.40 | 9:43 | 29.24 | -88.47 | 29.8 | 6 | 84 | | | | other margin |
| 99 | 225.42 | 9:59 | 29.28 | -88.47 | 29.8 | 7 | 70 | | | | other margin |
| 100 | 225.47 | 11:12 | 29.45 | -88.48 | 30.1 | 10 | 57 | | | | other margin |
| 101 | 225.52 | 12:24 | 29.62 | -88.46 | 29.4 | 10 | | | | | other margin |
| 102 | 226.49 | 11:46 | 30.03 | -87.83 | 29.3 | 11 | | | | | other margin |
| 103 | 226.54 | 12:55 | 29.88 | -87.83 | 29.6 | 8 | | | | | other margin |
| 104 | 226.64 | 15:27 | 29.54 | -87.81 | 30.0 | 9 | | | | | other margin |
| 105 | 226.70 | 16:44 | 29.37 | -87.82 | 30.0 | 12 | | | | | other margin |
| 106 | 226.75 | 17:53 | 29.22 | -87.83 | 30.3 | 15 | 118 | 181 | | | other margin |
| 107 | 226.80 | 19:17 | 29.03 | -87.83 | 30.5 | 15 | 116 | 182 | 108.1 | 3.1 | other margin |
| 108 | 226.88 | 21:06 | 28.87 | -87.85 | 30.4 | 15 | 120 | 178 | 109.2 | 4.2 | other margin |
| 109 | 226.89 | 21:22 | 28.84 | -87.84 | 30.3 | 12 | 120 | 174 | 107.5 | 2.5 | other margin |
| 110 (CTD-7) | 227.00 | 0:05 | 28.92 | -87.59 | 30.7 | 12 | 117 | 183 | 107.8 | 2.8 | other margin |
| 111 | 227.36 | 8:40 | 29.08 | -87.49 | 29.9 | 14 | 103 | 200 | 108.9 | 3.9 | other margin |
| 112 | 227.41 | 9:49 | 29.22 | -87.42 | 30.3 | 15 | 107 | 177 | 109.1 | 4.1 | other margin |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V *Gyre* cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|-------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 113 | 227.46 | 10:58 | 29.38 | -87.36 | 30.5 | 8 | 100 | 160 | | | other margin |
| 114 | 227.51 | 12:14 | 29.53 | -87.28 | 30.3 | 7 | 78 | 180 | | | other margin |
| 115 | 227.58 | 13:52 | 29.66 | -87.15 | 30.2 | 7 | 79 | 160 | | | other margin |
| 116 | 227.64 | 15:16 | 29.82 | -87.09 | 30.2 | 8 | 84 | 197 | | | other margin |
| 117 | 227.69 | 16:32 | 29.98 | -87.04 | 29.9 | 8 | | | | | other margin |
| 118 | 227.99 | 23:43 | 29.97 | -86.43 | 30.1 | 10 | 60 | | | | other margin |
| 119 | 228.85 | 20:29 | 29.90 | -86.68 | 30.3 | 8 | 84 | | | | other margin |
| 120 | 228.91 | 21:45 | 29.73 | -86.68 | 30.7 | 8 | 100 | | | | other margin |
| 121 | 228.96 | 23:02 | 29.57 | -86.69 | 31.1 | 8 | 108 | 193 | | | other margin |
| 122 | 229.05 | 1:05 | 29.40 | -86.60 | 30.8 | 5 | 103 | 192 | | | other margin |
| 123 | 229.12 | 2:47 | 29.23 | -86.62 | 30.8 | 14 | 106 | 194 | | | other margin |
| 124 | 229.18 | 4:17 | 29.05 | -86.62 | 30.7 | 8 | 100 | 181 | | | other margin |
| 125 | 229.23 | 5:30 | 28.90 | -86.63 | 30.3 | 12 | 103 | 171 | | | other margin |
| 126 | 229.35 | 8:17 | 28.73 | -86.64 | 30.2 | 19 | 96 | 180 | | | other margin |
| 127 | 229.46 | 11:03 | 28.57 | -86.66 | 30.5 | 20 | 96 | 163 | | | cyclone |
| 128 | 229.53 | 12:41 | 28.40 | -86.66 | 30.4 | 16 | 100 | 157 | | | cyclone |
| 129 | 229.58 | 14:02 | 28.24 | -86.69 | 30.5 | 16 | 99 | 158 | 101.6 | -3.4 | cyclone |
| 130 (CTD-8) | 229.63 | 15:05 | 28.17 | -86.67 | 30.5 | 13 | 96 | 147 | 100.5 | -4.5 | cyclone |
| 131 | 229.72 | 17:22 | 28.08 | -86.55 | 30.4 | 16 | 95 | 148 | 102.3 | -2.7 | cyclone |
| 132 | 229.80 | 19:07 | 28.24 | -86.45 | 30.9 | 14 | 100 | 156 | | | cyclone |
| 133 | 229.85 | 20:28 | 28.39 | -86.34 | 30.4 | 20 | 104 | 165 | | | cyclone |
| 134 | 229.90 | 21:31 | 28.52 | -86.24 | 30.5 | 21 | 102 | 169 | | | other margin |
| 135 | 229.95 | 22:49 | 28.65 | -86.14 | 30.9 | 16 | 104 | 174 | | | other margin |
| 136 | 230.00 | 0:05 | 28.79 | -86.04 | 30.5 | 23 | 99 | 178 | | | other margin |
| 137 | 230.06 | 1:22 | 28.93 | -85.93 | 30.1 | 19 | 84 | 228 | | | other margin |
| 138 | 230.11 | 2:37 | 29.07 | -85.83 | 30.1 | 13 | 83 | 175 | | | other margin |
| 139 | 230.14 | 3:27 | 29.16 | -85.75 | 30.4 | 15 | 68 | | | | other margin |
| 140 | 230.28 | 6:47 | 28.87 | -85.38 | 30.2 | 13 | 97 | | | | other margin |
| 141 | 230.33 | 8:00 | 28.72 | -85.46 | 30.4 | 20 | 106 | | | | other margin |
| 142 | 230.45 | 10:47 | 28.56 | -85.55 | 30.4 | 16 | 100 | 193 | | | other margin |
| 143 | 230.50 | 12:00 | 28.41 | -85.62 | 30.4 | 20 | 116 | 185 | | | other margin |
| 144 | 230.56 | 13:33 | 28.26 | -85.70 | 30.8 | 13 | 98 | 174 | | | other margin |
| 145 | 230.63 | 15:06 | 28.12 | -85.78 | 30.7 | 15 | 100 | 171 | | | other margin |
| 146 | 230.75 | 18:05 | 27.97 | -85.87 | 30.7 | 19 | 104 | 164 | 105.7 | 0.7 | other margin |
| 147 (CTD-9) | 230.80 | 19:15 | 27.85 | -85.90 | 30.9 | 18 | 98 | 163 | 105.7 | 0.7 | other margin |
| 148 | 230.93 | 22:18 | 27.69 | -85.66 | 31.1 | 9 | 102 | 182 | 106.6 | 1.6 | other margin |
| 149 | 231.00 | 23:56 | 27.73 | -85.50 | 31.7 | 16 | 106 | 199 | 108.6 | 3.6 | other margin |

Hydrographic Data spreadsheet (Appendix 1 for Chapter 2), sorted by cruise and by station for *Oregon II* plus R/V Gyre cruises

| station | Julian Day | GMT | Latitude | Longitude | sfc Temp | MLD | depth 19C | 15C depth | dynht (800m) | dynht anomaly | environment |
|--------------|------------|-------|----------|-----------|----------|-----|-----------|-----------|--------------|---------------|--------------|
| 150 | 231.05 | 1:18 | 27.80 | -85.31 | 31.2 | 13 | 111 | 212 | | | other margin |
| 151 | 231.11 | 2:36 | 27.91 | -85.17 | 31.2 | 23 | 118 | 206 | | | other margin |
| 152 | 231.16 | 3:51 | 28.02 | -85.03 | 30.7 | 19 | 116 | 208 | | | other margin |
| 153 | 231.21 | 5:07 | 28.14 | -84.89 | 30.9 | 19 | 97 | | | | other margin |
| 154 (CTD-10) | 231.33 | 7:52 | 28.00 | -84.60 | 30.4 | 18 | 90 | | | | other margin |
| 155 | 231.41 | 9:46 | 27.89 | -84.75 | 30.6 | 16 | 110 | 177 | | | other margin |
| 156 | 231.46 | 10:59 | 27.80 | -84.90 | 30.5 | 19 | 108 | 200 | | | other margin |
| 157 | 231.52 | 12:34 | 27.72 | -85.07 | 30.9 | 15 | 118 | 205 | | | other margin |
| 158 | 231.58 | 13:56 | 27.58 | -85.18 | 30.6 | 17 | 111 | 206 | | | other margin |
| 159 | 231.66 | 15:47 | 27.44 | -85.34 | 31.0 | 13 | 108 | 187 | 109.0 | 4.0 | other margin |
| 160 (CTD-11) | 231.74 | 17:48 | 27.41 | -85.46 | 31.0 | 10 | 102 | 180 | 105.8 | 0.8 | other margin |
| 161 | 231.80 | 19:12 | 27.38 | -85.63 | 31.2 | 13 | 86 | 155 | 106.1 | 1.1 | other margin |
| 162 | 231.90 | 21:39 | 27.39 | -86.03 | 30.9 | 12 | 83 | 150 | 102.3 | -2.7 | cyclone |
| 163 | 231.97 | 23:16 | 27.45 | -86.21 | 31.0 | 10 | 87 | 150 | 99.9 | -5.1 | cyclone |
| 164 | 232.05 | 1:06 | 27.49 | -86.40 | 31.2 | 9 | 89 | 145 | 101.7 | -3.3 | cyclone |
| 165 | 232.10 | 2:19 | 27.47 | -86.59 | 30.8 | 12 | 98 | 146 | 100.3 | -4.7 | cyclone |
| 166 | 232.15 | 3:34 | 27.44 | -86.77 | 30.6 | 21 | 98 | 160 | 103.7 | -1.3 | cyclone |
| 167 | 232.20 | 4:51 | 27.42 | -86.96 | 31.0 | 13 | 126 | 187 | 113.1 | 8.1 | confluence |
| 168 | 232.51 | 12:15 | 27.41 | -86.99 | 30.8 | 24 | 143 | 200 | 118.5 | 13.5 | confluence |
| 169 | 232.61 | 14:39 | 27.47 | -87.17 | 30.0 | 37 | 155 | 240 | 128.9 | 23.9 | confluence |
| 170 | 232.71 | 17:04 | 27.54 | -87.38 | 30.4 | 29 | 182 | 275 | 133.3 | 28.3 | LCE "E" |
| 171 | 232.76 | 18:15 | 27.63 | -87.50 | 30.8 | 27 | 184 | 279 | 134.3 | 29.3 | LCE "E" |
| 172 | 232.83 | 19:48 | 27.76 | -87.64 | 30.7 | 23 | 174 | 273 | 132.7 | 27.7 | LCE "E" |
| 173 | 232.90 | 21:35 | 27.89 | -87.77 | 30.6 | 23 | 163 | 265 | 129.9 | 24.9 | LCE "E" |
| 174 | 232.98 | 23:36 | 28.06 | -87.80 | 31.3 | 14 | 136 | 231 | 121.5 | 16.5 | confluence |
| 175 | 233.04 | 1:03 | 28.16 | -87.98 | 31.3 | 27 | 120 | 230 | 120.1 | 15.1 | confluence |
| 176 | 233.09 | 2:11 | 28.27 | -88.11 | 31.3 | 19 | 122 | 203 | 113.9 | 8.9 | confluence |
| 177 | 233.14 | 3:24 | 28.56 | -88.24 | 31.5 | 8 | 101 | 185 | 111.9 | 6.9 | confluence |
| 178 | 233.19 | 4:33 | 28.51 | -88.38 | 31.7 | 11 | 91 | 151 | 116.2 | 11.2 | confluence |
| 179 | 233.26 | 6:18 | 28.71 | -88.59 | 31.4 | 18 | 106 | 166 | | | MOM |
| 180 (CTD-12) | 233.41 | 9:55 | 28.79 | -88.73 | 30.8 | 13 | 106 | 190 | | | MOM |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V *Gyre* cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|-------------|-------------|----------|-----------|----------|-------------|-----|-----------|-----------|--------------|------------|----------|
| Oct-96 | GYRE 96G-06 | | | | | | | | | | |
| cyclone | 3 | 28.66 | -88.04 | 26.2 | 23.65 | 36 | 78 | 176 | 97.8 | -2.2 | |
| cyclone | 4 | 28.50 | -87.99 | 26.1 | 23.65 | 35 | 86 | 162 | 97.2 | -2.8 | |
| cyclone | 5 | 28.35 | -87.94 | 26.4 | 23.45 | 34 | 79 | 164 | 95.8 | -4.2 | |
| cyclone | 6 | 28.17 | -87.88 | 26.6 | 22.98 | 27 | 67 | 167 | 94.3 | -5.7 | |
| cyclone | 7 | 28.01 | -87.84 | 26.2 | 23.36 | 25 | 68 | 147 | 91.2 | -8.8 | |
| cyclone | 8 | 27.84 | -87.77 | 26.1 | 23.43 | 22 | 78 | 139 | 88.5 | -11.5 | |
| cyclone | 9 | 27.67 | -87.71 | 27.2 | 23.38 | 29 | 93 | 142 | 89.1 | -10.9 | |
| cyclone | 10 | 27.51 | -87.65 | 27.1 | 23.64 | 35 | 76 | 128 | 87.9 | -12.1 | |
| cyclone | 11 | 27.35 | -87.60 | 27.2 | 23.62 | 31 | 93 | 143 | 88.1 | -11.9 | |
| cyclone | 12 (CTD-01) | 27.18 | -87.53 | 27.3 | 23.62 | 39 | 84 | 135 | 90.5 | -9.5 | |
| cyclone | 13 | 27.00 | -87.51 | 27.4 | 23.56 | 37 | 81 | 158 | 94.5 | -5.5 | |
| cyclone | 14 | 26.85 | -87.43 | 27.7 | 23.48 | 40 | 101 | 172 | 98.3 | -1.7 | |
| cyclone | 25 | 26.64 | -86.05 | 27.3 | 23.58 | 35 | 90 | 161 | 94.6 | -5.4 | |
| cyclone | 26 | 26.79 | -85.83 | 26.6 | 23.57 | 32 | 78 | 140 | 90.1 | -9.9 | |
| cyclone | 27 | 26.94 | -85.67 | 26.8 | 23.51 | 38 | 87 | 130 | 91.9 | -8.1 | |
| cyclone | 28 | 27.11 | -85.53 | 26.9 | 23.41 | 41 | 87 | 150 | 96.9 | -3.1 | |
| cyclone | 81 | 28.50 | -87.40 | 26.1 | 23.49 | 40 | 80 | 146 | 98.7 | -1.3 | |
| cyclone | 82 | 28.34 | -87.40 | 26.4 | 23.21 | 36 | 84 | 160 | 97.3 | -2.7 | |
| cyclone | 83 | 28.17 | -87.40 | 27.1 | 23.59 | 48 | 95 | 161 | 96.5 | -3.5 | |
| cyclone | 84 | 28.00 | -87.40 | 27.1 | 23.64 | 50 | 97 | 153 | 94 | -6 | |
| cyclone | 85 | 27.83 | -87.40 | 26.5 | 23.44 | 39 | 82 | 149 | 91.8 | -8.2 | |
| cyclone | 86 | 27.67 | -87.40 | 26.3 | 23.51 | 30 | 78 | 143 | 89.6 | -10.4 | |
| cyclone | 87 (CTD-06) | 27.52 | -87.42 | 26.1 | 23.42 | 30 | 73 | 134 | 88 | -12 | |
| cyclone | 88 | 27.66 | -87.54 | 26.2 | 23.44 | 32 | 74 | 132 | 89.6 | -10.4 | |
| cyclone | 89 | 27.83 | -87.60 | 26.2 | 23.45 | 36 | 82 | 135 | 89.7 | -10.3 | |
| cyclone | 90 | 27.99 | -87.62 | 26.5 | 23.50 | 43 | 95 | 145 | 92.2 | -7.8 | |
| cyclone | 91 | 28.17 | -87.68 | 27.0 | 23.61 | 50 | 100 | 150 | 94.9 | -5.1 | |
| cyclone | 92 | 28.32 | -87.76 | 26.3 | 23.43 | 42 | 88 | 158 | 96.2 | -3.8 | |
| cyclone | 93 | 28.50 | -87.83 | 26.3 | 23.43 | 41 | 89 | 150 | 98.8 | -1.2 | |
| cyclone | 107 | 28.26 | -88.73 | 25.9 | 23.83 | 46 | 93 | 172 | 99.4 | -0.6 | |
| cyclone | 108 | 28.11 | -88.64 | 26.3 | 23.82 | 47 | 85 | 159 | 97.6 | -2.4 | |
| cyclone | 109 | 27.96 | -88.55 | 26.3 | 23.77 | 42 | 85 | 159 | 95.1 | -4.9 | |
| cyclone | 110 | 27.82 | -88.47 | 26.0 | 23.82 | 37 | 78 | 140 | 91.4 | -8.6 | |
| cyclone | 111 | 27.67 | -88.39 | 25.8 | 23.73 | 35 | 80 | 136 | 91.1 | -8.9 | |
| cyclone | 112 | 27.59 | -88.28 | 25.4 | 23.86 | 37 | 74 | 138 | 89.6 | -10.4 | |
| cyclone | 113 | 27.43 | -88.22 | 25.6 | 23.78 | 36 | 74 | 140 | 89.9 | -10.1 | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V Gyre cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|-------------|--------------|----------|-----------|----------|-------------|------|-----------|-----------|--------------|------------|----------|
| cyclone | 114 | 27.28 | -88.18 | 25.4 | 23.64 | 34 | 77 | 141 | 91.3 | -8.7 | |
| cyclone | 115 | 27.13 | -88.08 | 25.5 | 23.71 | 38 | 79 | 147 | 93.3 | -6.7 | |
| cyclone | 116 | 26.97 | -87.98 | 25.8 | 23.65 | 42 | 86 | 154 | 97 | -3 | |
| cyclone | 117 | 26.80 | -87.88 | 27.3 | 23.65 | 42 | 93 | 175 | 98.7 | -1.3 | |
| cyclone | 146 | 26.99 | -88.50 | 25.7 | 23.79 | 42 | 91 | 174 | 99 | -1 | |
| cyclone | 147 (CTD-09) | 27.08 | -88.56 | 25.7 | 23.88 | 47 | 86 | 164 | 97 | -3 | |
| cyclone | 148 | 27.16 | -88.58 | 25.7 | 23.89 | 44 | 83 | 166 | 96.1 | -3.9 | |
| cyclone | 149 | 27.29 | -88.68 | 25.6 | 23.88 | 40 | 83 | 158 | 94.7 | -5.3 | |
| cyclone | 150 | 27.43 | -88.78 | 25.6 | 23.91 | 38 | 84 | 156 | 94.2 | -5.8 | |
| cyclone | 151 | 27.59 | -88.90 | 26.1 | 23.88 | 40 | 90 | 158 | 96.5 | -3.5 | |
| cyclone | 152 | 27.74 | -89.00 | 25.5 | 23.92 | 41 | 87 | 166 | 96.4 | -3.6 | |
| cyclone | 161 | 27.84 | -89.26 | 25.6 | 23.81 | 46 | 72 | 176 | 99.5 | -0.5 | |
| cyclone | 162 | 27.76 | -89.33 | 25.2 | 23.89 | 44 | 84 | 162 | 98.9 | -1.1 | |
| cyclone | 163 | 27.65 | -89.28 | 25.4 | 23.77 | 42 | 86 | 171 | 98.4 | -1.6 | |
| cyclone | 164 | 27.50 | -89.20 | 25.5 | 23.81 | 43 | 95 | 167 | 98.4 | -1.6 | |
| cyclone | 165 | 27.36 | -89.12 | 26.2 | 23.90 | 44 | 93 | 173 | 98.4 | -1.6 | |
| cyclone | 166 | 27.23 | -89.05 | 26.3 | 23.72 | 42 | 89 | 168 | 98.1 | -1.9 | |
| cyclone | 196 | 26.66 | -87.65 | 27.4 | 23.62 | 44 | 108 | 183 | 98.8 | -1.2 | |
| cyclone | 197 | 26.84 | -87.70 | 25.9 | 23.75 | 50 | 95 | 180 | 99.8 | -0.2 | |
| cyclone | 198 | 26.98 | -87.75 | 26.0 | 23.82 | 43 | 90 | 164 | 96.2 | -3.8 | |
| cyclone | 199 | 27.13 | -87.75 | 25.7 | 23.79 | 36 | 79 | 146 | 92 | -8 | |
| cyclone | 200 | 27.28 | -87.85 | 25.7 | 23.70 | 39 | 86 | 143 | 90.8 | -9.2 | |
| cyclone | 201 | 27.45 | -87.87 | 25.8 | 23.67 | 37 | 78 | 134 | 91.4 | -8.6 | |
| cyclone | 202 | 27.62 | -87.95 | 25.7 | 23.68 | 36 | 75 | 130 | 91.2 | -8.8 | |
| cyclone | 203 | 27.80 | -88.05 | 25.9 | 23.66 | 38 | 81 | 148 | 93.6 | -6.4 | |
| cyclone | 204 | 27.91 | -88.11 | 25.8 | 23.57 | 40 | 81 | 145 | 94.4 | -5.6 | |
| cyclone | 205 | 28.05 | -88.18 | 25.8 | 23.83 | 44 | 83 | 154 | 95 | -5 | |
| cyclone | 206 | 28.22 | -88.24 | 25.7 | 23.62 | 47 | 90 | 169 | 99.1 | -0.9 | |
| cyclone | 29 | 27.26 | -85.48 | 27.1 | 23.30 | 41 | 83 | 152 | 96.9 | -3.1 | |
| cyclone | 41 | 27.87 | -85.70 | 26.7 | 23.50 | 43 | 83 | 174 | 98.5 | -1.5 | |
| cyclone | 42 | 27.85 | -85.89 | 26.8 | 23.48 | 41 | 90 | 158 | 98.2 | -1.8 | |
| cyclone | 57 | 28.20 | -86.81 | 26.1 | 23.45 | 37 | 88 | 174 | 98.9 | -1.1 | |
| cyclone | 58 (CTD-04) | 28.20 | -86.86 | 26.2 | 23.40 | 41 | 88 | 169 | 98.5 | -1.5 | |
| cyclone | 218 | 28.12 | -88.97 | 25.9 | 23.47 | 44 | 87 | 168 | 97.2 | -2.8 | |
| cyclone | 225 | 28.05 | -89.06 | 25.8 | 23.51 | 41 | 82 | 172 | 97.2 | -2.8 | |
| cyclone | 230 | 28.62 | -88.98 | 25.4 | 23.72 | 53 | 98 | 182 | 93.8 | -6.2 | |
| | mean (n=72) | 27.65 | -87.86 | 26.2 | 23.62 | 39.4 | 84.93 | 155.49 | 94.8 | -5.2 | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V Gyre cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|-------------|---------------|----------|-----------|----------|-------------|-------|-----------|-----------|--------------|------------|----------|
| | std deviation | 0.52 | 0.92 | 0.6 | 0.19 | 5.9 | 7.84 | 14.51 | 3.53 | 3.53 | |
| confluence | 15 | 26.66 | -87.36 | 27.7 | 23.53 | 46 | 109 | 185 | 100.1 | 0.1 | |
| confluence | 16 | 26.50 | -87.31 | 28.0 | 23.38 | 52 | 120 | 202 | 106.3 | 6.3 | |
| confluence | 17 | 26.34 | -87.25 | 28.3 | 23.29 | 62 | 142 | 218 | 115.6 | 15.6 | |
| confluence | 21 | 26.18 | -86.78 | 28.4 | 23.25 | 80 | 162 | 241 | 122.3 | 22.3 | |
| confluence | 22 | 26.25 | -86.59 | 28.4 | 23.26 | 68 | 140 | 220 | 114.8 | 14.8 | |
| confluence | 23 | 26.34 | -86.39 | 28.0 | 23.37 | 54 | 113 | 193 | 104.6 | 4.6 | |
| confluence | 24 | 26.53 | -86.22 | 27.7 | 23.45 | 45 | 102 | 171 | 100.9 | 0.9 | |
| confluence | 118 | 26.66 | -87.84 | 27.5 | 23.60 | 44 | 108 | 195 | 102.9 | 2.9 | |
| confluence | 119 | 26.50 | -87.79 | 27.6 | 23.54 | 45 | 110 | 200 | 103.1 | 3.1 | |
| confluence | 120 | 26.32 | -87.74 | 27.6 | 23.50 | 55 | 114 | 188 | 102.8 | 2.8 | |
| confluence | 121 | 26.16 | -87.69 | 27.5 | 23.54 | 51 | 116 | 201 | 103.5 | 3.5 | |
| confluence | 122 | 26.01 | -87.62 | 27.5 | 23.54 | 50 | 123 | 211 | 106.6 | 6.6 | |
| confluence | 123 | 25.85 | -87.57 | 27.6 | 23.47 | 65 | 141 | 222 | 115.2 | 15.2 | |
| confluence | 137 | 25.58 | -87.78 | 27.5 | 23.56 | 35 | 152 | 256 | 118.8 | 18.8 | |
| confluence | 138 | 25.73 | -87.88 | 27.4 | 23.54 | 63 | 143 | 231 | 121.2 | 21.2 | |
| confluence | 139 | 25.90 | -87.96 | 27.5 | 23.65 | 73 | 148 | 227 | 110.2 | 10.2 | |
| confluence | 140 | 26.06 | -88.02 | 27.5 | 23.67 | 70 | 148 | 212 | 105.1 | 5.1 | |
| confluence | 141 | 26.19 | -88.10 | 27.5 | 23.66 | 63 | 134 | 202 | 103.7 | 3.7 | |
| confluence | 142 | 26.35 | -88.18 | 27.5 | 23.66 | 52 | 112 | 204 | 104.2 | 4.2 | |
| confluence | 143 | 26.50 | -88.25 | 26.8 | 23.78 | 54 | 110 | 181 | 102.8 | 2.8 | |
| confluence | 144 | 26.65 | -88.33 | 26.5 | 23.78 | 47 | 102 | 183 | 100.9 | 0.9 | |
| confluence | 145 | 26.82 | -88.41 | 26.0 | 23.90 | 52 | 93 | 171 | 100.5 | 0.5 | |
| confluence | 192 | 26.04 | -87.40 | 27.3 | 23.57 | 64 | 140 | 208 | 113.6 | 13.6 | |
| confluence | 193 | 26.20 | -87.49 | 27.2 | 23.58 | 62 | 140 | 208 | 107 | 7 | |
| confluence | 194 | 26.34 | -87.54 | 27.1 | 23.62 | 57 | 124 | 195 | 104.5 | 4.5 | |
| confluence | 195 | 26.50 | -87.60 | 27.5 | 23.60 | 54 | 126 | 194 | 102.3 | 2.3 | |
| | mean (n=26) | 26.28 | -87.58 | 27.5 | 23.55 | 56.27 | 125.85 | 204.58 | 107.44 | 7.44 | |
| | std deviation | 0.31 | 0.57 | 0.5 | 0.16 | 10.29 | 18.31 | 20.42 | 6.71 | 6.71 | |
| LCE "C" | 18 | 26.17 | -87.19 | 28.3 | 23.30 | 80 | 168 | 262 | 126.5 | 26.5 | |
| LCE "C" | 19 (CTD-02) | 26.07 | -87.23 | 28.2 | 23.31 | 69 | 187 | 273 | 132.9 | 32.9 | |
| LCE "C" | 20 | 26.11 | -87.00 | 28.2 | 23.31 | 78 | 173 | 268 | 127.8 | 27.8 | |
| LCE "C" | 124 | 25.69 | -87.55 | 27.8 | 23.47 | 58 | 160 | 267 | 125 | 25 | |
| LCE "C" | 125 | 25.53 | -87.43 | 27.8 | 23.57 | 66 | 213 | 354 | 136.7 | 36.7 | |
| LCE "C" | 126 | 25.37 | -87.41 | 27.6 | 23.56 | 58 | 236 | 376 | 142.6 | 42.6 | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V Gyre cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|--------------|---------------|----------|-----------|----------|-------------|-------|-----------|-----------|--------------|------------|----------------|
| LCE *C* | 127 | 25.22 | -87.39 | 27.6 | 23.55 | 54 | 252 | 395 | 146.1 | 46.1 | |
| LCE *C* | 128 | 25.05 | -87.38 | 27.4 | 23.61 | 62 | 270 | 403 | 150.3 | 50.3 | |
| LCE *C* | 129 (CTD-08) | 25.02 | -87.37 | 27.4 | 23.63 | 62 | 263 | 403 | 149.7 | 49.7 | |
| LCE *C* | 130 | 24.85 | -87.31 | 27.5 | 23.61 | 70 | 272 | 408 | 150.1 | 50.1 | |
| LCE *C* | 131 | 24.68 | -87.25 | 27.6 | 23.56 | 64 | 258 | 403 | 147.4 | 47.4 | |
| LCE *C* | 132 | 24.82 | -87.42 | 27.6 | 23.56 | 67 | 258 | 387 | 146.7 | 46.7 | |
| LCE *C* | 133 | 24.97 | -87.47 | 27.3 | 23.65 | 63 | 244 | n/a | n/a | n/a | bad data >300m |
| LCE *C* | 134 | 25.13 | -87.56 | 27.7 | 23.53 | 68 | 241 | 372 | 143.7 | 43.7 | |
| LCE *C* | 135 | 25.30 | -87.60 | 27.6 | 23.52 | 64 | 223 | 333 | 137.3 | 37.3 | |
| LCE *C* | 136 | 25.45 | -87.70 | 27.7 | 23.48 | 68 | 164 | 268 | 127.1 | 27.1 | |
| LCE *C* | 179 | 25.31 | -87.97 | 27.7 | 23.48 | 72 | 180 | 271 | 130.2 | 30.2 | |
| LCE *C* | 180 | 25.22 | -87.82 | 27.7 | 23.47 | 67 | 228 | 345 | 137.5 | 37.5 | |
| LCE *C* | 181 | 25.12 | -87.66 | 27.6 | 23.54 | 64 | 240 | 414 | 144.8 | 44.8 | |
| LCE *C* | 182 | 25.17 | -87.58 | 27.4 | 23.58 | 68 | 240 | 419 | 145.4 | 45.4 | |
| LCE *C* | 183 | 25.23 | -87.51 | 27.7 | 23.51 | 59 | 247 | 416 | 145.7 | 45.7 | |
| LCE *C* | 184 | 25.28 | -87.45 | 27.8 | 23.46 | 66 | 268 | 424 | 150.4 | 50.4 | |
| LCE *C* | 185 | 25.34 | -87.38 | 27.6 | 23.52 | 65 | 253 | 410 | 148.2 | 48.2 | |
| LCE *C* | 186 | 25.39 | -87.32 | 27.6 | 23.52 | 70 | 252 | 395 | 147.4 | 47.4 | |
| LCE *C* | 187 | 25.46 | -87.26 | 27.7 | 23.52 | 67 | 244 | 396 | 146.1 | 46.1 | |
| LCE *C* | 188 (CTD-11) | 25.47 | -87.22 | 27.6 | 23.58 | 65 | 235 | 384 | 143.3 | 43.3 | |
| LCE *C* | 189 | 25.59 | -87.21 | 27.6 | 23.53 | 59 | 232 | 376 | 142.2 | 42.2 | |
| LCE *C* | 190 | 25.75 | -87.27 | 27.6 | 23.51 | 57 | 208 | 339 | 134 | 34 | |
| LCE *C* | 191 | 25.89 | -87.33 | 27.7 | 23.50 | 63 | 177 | 287 | 124.9 | 24.9 | |
| | mean (n=29) | 25.37 | -87.42 | 27.7 | 23.52 | 65.28 | 227.1 | 358.86 | 140.36 | 40.36 | |
| | std deviation | 0.38 | 0.20 | 0.2 | 0.09 | 5.77 | 34.91 | 56.79 | 8.57 | 8.57 | |
| other margin | 207 | 28.36 | -88.34 | 25.8 | 23.59 | 43 | 93 | 171 | 100.8 | 0.8 | |
| other margin | 208 | 28.50 | -88.42 | 25.8 | 23.79 | 50 | 103 | 167 | 103.2 | 3.2 | |
| other margin | 1 | 29.01 | -88.17 | 26.1 | 23.68 | 50 | 75 | 169 | 99.7 | -0.3 | |
| other margin | 2 | 28.83 | -88.10 | 26.1 | 23.56 | 42 | 77 | 172 | 99.8 | -0.2 | |
| other margin | 80 | 28.67 | -87.40 | 26.1 | 23.73 | 46 | 86 | 152 | 100.8 | 0.8 | |
| other margin | 94 | 28.67 | -87.89 | 26.3 | 23.64 | 46 | 94 | 165 | 101.5 | 1.5 | |
| other margin | 95 | 28.83 | -87.98 | 25.9 | 23.71 | 48 | 102 | 179 | 104 | 4 | |
| other margin | 96 | 29.00 | -88.10 | 25.9 | 23.67 | 45 | 98 | 204 | 105.5 | 5.5 | |
| other margin | 102 | 28.72 | -88.88 | 25.6 | 23.79 | 58 | 99 | 178 | 104.8 | 4.8 | |
| other margin | 103 (CTD-07) | 28.69 | -88.69 | 25.5 | 23.97 | 50 | 103 | 181 | 104.4 | 4.4 | |
| other margin | 104 | 28.72 | -88.92 | 25.3 | 23.86 | 50 | 92 | 188 | 104.1 | 4.1 | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V Gyre cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|--------------|--------------|----------|-----------|----------|-------------|-----|-------------|-------------|--------------|--------------|-----------------|
| other margin | 105 | 28.56 | -88.90 | 25.6 | 23.83 | 53 | 87 | 187 | 104.4 | 4.4 | |
| other margin | 106 | 28.39 | -88.81 | 25.7 | 23.80 | 47 | 97 | 183 | 101.5 | 1.5 | |
| other margin | 153 | 27.88 | -89.09 | n/a | n/a | 48 | n/a | n/a | n/a | n/a | temp is suspect |
| other margin | 154 | 28.02 | -89.19 | 25.4 | 23.92 | 49 | 96 | 177 | 100.6 | 0.6 | |
| other margin | 155 | 28.18 | -89.32 | 25.1 | 23.97 | 54 | 92 | 189 | 103.4 | 3.4 | |
| other margin | 156 | 28.31 | -89.46 | 25.1 | 23.96 | 50 | 94 | 187 | depth < 800m | depth < 800m | |
| other margin | 157 (CTD-10) | 28.50 | -89.51 | 24.1 | 22.54 | 15 | 92 | 226 | depth < 800m | depth < 800m | |
| other margin | 158 | 28.31 | -89.46 | 25.4 | 23.95 | 58 | 94 | 190 | 105.9 | 5.9 | |
| other margin | 159 | 28.15 | -89.39 | 25.1 | 23.97 | 55 | 100 | 192 | 103.8 | 3.8 | |
| other margin | 160 | 28.00 | -89.32 | 25.2 | 23.96 | 50 | 85 | 198 | 102.3 | 2.3 | |
| other margin | 167 | 27.02 | -89.04 | 26.8 | 23.77 | 41 | 103 | 169 | 100.3 | 0.3 | |
| other margin | 168 | 26.86 | -88.97 | 26.7 | 23.77 | 45 | 100 | 168 | 100.6 | 0.6 | |
| other margin | 169 | 26.72 | -88.92 | 26.8 | 23.74 | 54 | 112 | 172 | 104.8 | 4.8 | |
| other margin | 170 | 26.56 | -88.84 | 26.8 | 23.65 | 48 | 118 | 185 | 104.9 | 4.9 | |
| other margin | 171 | 26.41 | -88.75 | 26.4 | 23.65 | 49 | 116 | 187 | 104.1 | 4.1 | |
| other margin | 172 | 26.23 | -88.65 | 27.5 | 23.60 | 52 | 114 | 196 | 105 | 5 | |
| other margin | 173 | 26.09 | -88.58 | 27.5 | 23.61 | 52 | 113 | 233 | 106.8 | 6.8 | |
| other margin | 174 | 25.95 | -88.53 | 27.3 | 23.56 | 45 | 116 | 240 | 106.5 | 6.5 | |
| other margin | 175 | 25.79 | -88.47 | 26.9 | 23.60 | 56 | 122 | 216 | 107.1 | 7.1 | |
| other margin | 176 | 25.64 | -88.41 | 26.5 | 23.59 | 61 | 130 | 210 | 109.7 | 9.7 | |
| other margin | 177 | 25.48 | -88.34 | 27.4 | 23.58 | 62 | 138 | 217 | 112.5 | 12.5 | |
| other margin | 178 | 25.38 | -88.14 | 27.4 | 23.59 | 78 | 160 | 247 | 120 | 20 | |
| other margin | 30 | 27.42 | -85.40 | 27.2 | 23.38 | 40 | 85 | 166 | 100 | 0 | |
| other margin | 31 | 27.55 | -85.24 | 26.3 | 23.63 | 43 | 90 | 153 | depth < 800m | depth < 800m | |
| other margin | 32 | 27.66 | -85.09 | 26.6 | 23.68 | 48 | 83 | 175 | depth < 800m | depth < 800m | |
| other margin | 33 | 27.77 | -84.88 | 26.6 | 23.69 | 49 | 96 | 170 | depth < 800m | depth < 800m | |
| other margin | 34 | 27.89 | -84.77 | 26.5 | 23.81 | 49 | 93 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 35 | 28.00 | -84.61 | 26.4 | 23.83 | 46 | bottom >19C | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 36 | 27.98 | -84.78 | 26.4 | 23.83 | 55 | 93 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 37 | 27.96 | -84.96 | 26.4 | 23.78 | 52 | 106 | 172 | depth < 800m | depth < 800m | |
| other margin | 38 | 27.94 | -85.15 | 26.4 | 23.74 | 51 | 99 | 178 | depth < 800m | depth < 800m | |
| other margin | 39 | 27.91 | -85.33 | 26.4 | 23.71 | 52 | 98 | 175 | depth < 800m | depth < 800m | |
| other margin | 40 | 27.90 | -85.50 | 26.3 | 23.60 | 52 | 97 | 182 | depth < 800m | depth < 800m | |
| other margin | 43 (CTD-03) | 27.84 | -85.94 | 26.7 | 23.45 | 50 | 89 | 160 | depth < 800m | depth < 800m | |
| other margin | 44 | 28.04 | -85.83 | 26.3 | 23.62 | 50 | 90 | 172 | depth < 800m | depth < 800m | |
| other margin | 45 | 28.19 | -85.73 | 26.6 | 23.70 | 48 | 92 | 166 | depth < 800m | depth < 800m | |
| other margin | 46 | 28.36 | -85.64 | 26.6 | 23.77 | 52 | 98 | 174 | depth < 800m | depth < 800m | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V Gyre cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|--------------|-------------|----------|-----------|----------|-------------|-----|-------------|-------------|--------------|--------------|----------|
| other margin | 47 | 28.53 | -85.55 | 26.4 | 23.75 | 54 | 105 | 190 | depth < 800m | depth < 800m | |
| other margin | 48 | 28.70 | -85.47 | 26.3 | 23.73 | 42 | 103 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 49 | 28.87 | -85.38 | 25.8 | 23.74 | 41 | 100 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 50 | 28.81 | -85.57 | 26.1 | 23.63 | 41 | 111 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 51 | 28.73 | -85.75 | 26.0 | 23.61 | 43 | 103 | 178 | depth < 800m | depth < 800m | |
| other margin | 52 | 28.65 | -85.92 | 26.4 | 23.74 | 57 | 110 | 174 | depth < 800m | depth < 800m | |
| other margin | 53 | 28.56 | -86.09 | 26.4 | 23.71 | 58 | 107 | 178 | depth < 800m | depth < 800m | |
| other margin | 54 | 28.47 | -86.28 | 26.2 | 23.76 | 52 | 113 | 190 | depth < 800m | depth < 800m | |
| other margin | 55 | 28.39 | -86.42 | 26.1 | 23.76 | 52 | 90 | 174 | depth < 800m | depth < 800m | |
| other margin | 56 | 28.25 | -86.59 | 26.0 | 23.46 | 43 | 94 | 167 | 100.8 | 0.8 | |
| other margin | 59 | 28.33 | -86.76 | 26.0 | 23.68 | 40 | 89 | 178 | 100 | 0 | |
| other margin | 60 | 28.51 | -86.63 | 26.2 | 23.75 | 42 | 88 | 164 | depth < 800m | depth < 800m | |
| other margin | 61 | 28.69 | -86.64 | 25.8 | 23.82 | 40 | 88 | 185 | depth < 800m | depth < 800m | |
| other margin | 62 | 28.86 | -86.66 | 25.7 | 23.82 | 42 | 93 | 174 | depth < 800m | depth < 800m | |
| other margin | 63 | 29.03 | -86.68 | 26.1 | 23.70 | 45 | 103 | 181 | depth < 800m | depth < 800m | |
| other margin | 64 | 29.17 | -86.70 | 25.7 | 23.70 | 50 | 112 | 189 | depth < 800m | depth < 800m | |
| other margin | 65 | 29.33 | -86.70 | 25.4 | 23.42 | 57 | 103 | 197 | depth < 800m | depth < 800m | |
| other margin | 66 | 29.54 | -86.72 | 25.2 | 23.44 | 62 | 105 | 183 | depth < 800m | depth < 800m | |
| other margin | 67 | 29.68 | -86.73 | 25.5 | 23.57 | 65 | 108 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 68 | 29.82 | -86.75 | 25.8 | 23.68 | 49 | 117 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 69 | 30.00 | -86.77 | 25.7 | 23.88 | 60 | 112 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 70 | 30.17 | -86.78 | 24.5 | 23.71 | | bottom >19C | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 71 | 29.59 | -87.40 | 25.7 | 23.82 | 58 | bottom >19C | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 72 | 29.51 | -87.40 | 25.6 | 23.80 | 50 | 114 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 73 | 29.42 | -87.40 | 25.7 | 23.73 | 57 | 102 | 205 | depth < 800m | depth < 800m | |
| other margin | 74 | 29.34 | -87.40 | 25.8 | 23.66 | 55 | 118 | 205 | depth < 800m | depth < 800m | |
| other margin | 75 | 29.26 | -87.40 | 25.8 | 23.66 | 52 | 124 | 206 | 108.6 | 8.6 | |
| other margin | 76 | 29.17 | -87.40 | 25.7 | 23.73 | 49 | 124 | 198 | 107 | 7 | |
| other margin | 77 (CTD-05) | 29.07 | -87.35 | 25.7 | 23.88 | 55 | 106 | 198 | 104.6 | 4.6 | |
| other margin | 78 | 28.92 | -87.41 | 26.0 | 23.73 | 49 | 101 | 179 | 103 | 3 | |
| other margin | 79 | 28.83 | -87.40 | 26.0 | 23.75 | 47 | 93 | 160 | 100.9 | 0.9 | |
| other margin | 97 | 29.17 | -88.17 | 25.8 | 23.63 | 61 | 112 | 215 | depth < 800m | depth < 800m | |
| other margin | 98 | 29.18 | -88.18 | 25.8 | 23.67 | 59 | 104 | 215 | depth < 800m | depth < 800m | |
| other margin | 99 | 29.20 | -88.18 | 25.8 | 23.68 | 61 | 105 | 227 | depth < 800m | depth < 800m | |
| other margin | 100 | 28.61 | -88.99 | 25.5 | 23.84 | 55 | 96 | 188 | depth < 800m | depth < 800m | |
| other margin | 101 | 28.66 | -89.00 | 25.5 | 23.83 | 50 | 97 | 184 | depth < 800m | depth < 800m | |
| other margin | 231 | 28.62 | -88.79 | 25.5 | 23.71 | 50 | 94 | 171 | 105.8 | 5.8 | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V Gyre cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|----------------|-------------------|----------|-----------|----------|-------------|-------|-------------|-------------|--------------|--------------|----------|
| other margin | 232 | 28.67 | -88.17 | 25.8 | 23.78 | 57 | 107 | 183 | 102.7 | 2.7 | |
| other margin | 233 | 28.75 | -88.17 | 25.5 | 23.83 | 56 | 116 | 189 | 103 | 3 | |
| other margin | 234 | 28.83 | -88.17 | 25.4 | 23.84 | 58 | 112 | 196 | 103.8 | 3.8 | |
| other margin | 235 | 28.90 | -88.17 | 25.6 | 23.83 | 58 | 114 | 201 | 107.2 | 7.2 | |
| other margin | 236 | 29.00 | -88.17 | 25.4 | 23.89 | 59 | 115 | 206 | 107.5 | 7.5 | |
| other margin | 237 | 29.08 | -88.17 | 25.4 | 23.88 | 57 | 123 | 222 | 110.3 | 10.3 | |
| other margin | 238 | 29.18 | -88.17 | 25.5 | 23.88 | 54 | 130 | 252 | depth < 800m | depth < 800m | |
| other margin | 239 | 29.25 | -88.16 | 25.6 | 23.91 | 55 | 104 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 240 | 29.33 | -88.15 | 25.2 | 23.84 | 61 | bottom >19C | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 241 | 29.42 | -88.15 | 24.9 | 23.70 | | bottom >19C | bottom >15C | depth < 800m | depth < 800m | |
| | mean (n=95) | 28.37 | -87.42 | 26.0 | 23.72 | 51.02 | 103.09 | 187.85 | 104.4 | 4.4 | |
| | std deviation | 1.01 | 1.38 | 0.6 | 0.18 | 7.6 | 13.58 | 21.01 | 3.84 | 3.84 | |
| MOM | 209 | 28.65 | -88.49 | 25.4 | 23.94 | 55 | 92 | 167 | 105.4 | 5.4 | |
| MOM | 210 (CTD-12) | 28.67 | -88.52 | 25.2 | 23.97 | 52 | 91 | 170 | 104.4 | 4.4 | |
| MOM | 211 | 28.70 | -88.69 | 25.5 | 23.75 | 44 | 96 | 194 | 107.9 | 7.9 | |
| MOM | 212 | 28.70 | -88.91 | 25.5 | 23.65 | 56 | 104 | 207 | 111.1 | 11.1 | |
| MOM | 213 | 28.55 | -88.94 | 25.3 | 23.73 | 54 | 99 | 206 | 106.2 | 6.2 | |
| MOM | 214 | 28.46 | -89.02 | 25.9 | 23.63 | 52 | 107 | 197 | 106.4 | 6.4 | |
| MOM | 215 | 28.38 | -88.92 | 26.0 | 23.51 | 47 | 100 | 183 | 104.9 | 4.9 | |
| MOM | 216 | 28.30 | -88.83 | 25.9 | 23.61 | 49 | 97 | 166 | 101.9 | 1.9 | |
| MOM | 217 | 28.23 | -88.91 | 25.8 | 23.66 | 49 | 96 | 178 | 99.6 | -0.4 | |
| MOM | 219 | 28.19 | -89.08 | 25.9 | 23.49 | 42 | 97 | 171 | 100.6 | 0.6 | |
| MOM | 220 | 28.29 | -89.16 | 25.9 | 23.53 | 41 | 97 | 180 | 103.6 | 3.6 | |
| MOM | 221 | 28.37 | -89.25 | 25.8 | 23.58 | 51 | 99 | 206 | depth < 800m | depth < 800m | |
| MOM | 222 | 28.44 | -89.18 | 25.7 | 23.67 | 60 | 94 | 179 | depth < 800m | depth < 800m | |
| MOM | 223 | 28.38 | -89.07 | 26.0 | 23.55 | 46 | 92 | 180 | 104.6 | 4.6 | |
| MOM | 224 | 28.29 | -88.97 | 25.9 | 23.57 | 45 | 95 | 177 | 101.5 | 1.5 | |
| MOM | 226 | 28.12 | -89.17 | 26.1 | 23.48 | 45 | 96 | 168 | 100.3 | 0.3 | |
| MOM | 227 | 28.19 | -89.28 | 26.3 | 23.41 | 42 | 99 | 181 | 103.5 | 3.5 | |
| MOM | 228 | 28.28 | -89.33 | 26.0 | 23.50 | 50 | 106 | 176 | 105.7 | 5.7 | |
| MOM | 229 | 28.53 | -89.07 | 25.7 | 23.61 | 55 | 105 | 194 | 99.5 | -0.5 | |
| | mean (n=19) | 28.41 | -88.99 | 25.8 | 23.62 | 49.21 | 98 | 183.16 | 103.95 | 3.95 | |
| | std deviation | 0.18 | 0.23 | 0.3 | 0.15 | 5.38 | 4.7 | 13.55 | 3.15 | 3.15 | |
| Aug-97 cyclone | GYRE 97G-08 34 | 28.33 | -87.97 | 29.7 | 20.71 | 22 | 105 | 159 | 104.2 | -0.8 | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V Gyre cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|-------------|---------------|----------|-----------|----------|-------------|-------|-----------|-----------|--------------|--------------|----------|
| cyclone | 35 | 28.50 | -87.97 | 29.6 | 20.76 | 21 | 100 | 158 | 104.4 | -0.6 | |
| cyclone | 36 | 28.67 | -87.98 | 29.8 | 20.99 | 20 | 102 | 172 | 104.4 | -0.6 | |
| cyclone | 43 (CTD-3) | 28.50 | -87.68 | 29.4 | 20.88 | 24 | 91 | 148 | 102.5 | -2.5 | |
| cyclone | 44 | 28.33 | -87.60 | 29.6 | 21.05 | 19 | 90 | 146 | 98.5 | -6.5 | |
| cyclone | 45 | 28.26 | -87.58 | 29.5 | 21.14 | 20 | 91 | 150 | 98.7 | -6.3 | |
| cyclone | 46 | 28.17 | -87.54 | 29.8 | 21.51 | 24 | 85 | 141 | 98.4 | -6.6 | |
| cyclone | 47 | 28.00 | -87.46 | 29.3 | 20.99 | 27 | 91 | 141 | 97.5 | -7.5 | |
| cyclone | 48 | 27.83 | -87.36 | 29.9 | 19.92 | 25 | 105 | 151 | 101.9 | -3.1 | |
| cyclone | 60 | 27.67 | -86.84 | 29.7 | 20.81 | 18 | 95 | 140 | 97.8 | -7.2 | |
| cyclone | 61 | 27.83 | -86.87 | 29.8 | 20.96 | 19 | 89 | 130 | 92.1 | -12.9 | |
| cyclone | 62 (CTD-4) | 28.00 | -86.86 | 30.0 | 20.90 | 23 | 89 | 126 | 91.7 | -13.3 | |
| cyclone | 63 | 28.17 | -86.86 | 30.0 | 21.14 | 20 | 82 | 134 | 93.9 | -11.1 | |
| cyclone | 64 | 28.33 | -86.88 | 30.4 | 21.01 | 21 | 85 | 134 | 98.3 | -6.7 | |
| cyclone | 65 | 28.50 | -86.85 | 30.0 | 21.50 | 19 | 88 | 155 | depth < 800m | depth < 800m | |
| cyclone | 66 | 28.67 | -86.87 | 29.9 | 21.66 | 21 | 95 | 156 | depth < 800m | depth < 800m | |
| cyclone | 72 | 28.67 | -87.07 | 29.5 | 21.69 | 25 | 97 | 154 | 103.9 | -1.1 | |
| cyclone | 73 | 28.50 | -87.11 | 29.8 | 21.69 | 26 | 95 | 151 | 103.4 | -1.6 | |
| cyclone | 74 | 28.33 | -87.14 | 29.7 | 21.68 | 23 | 88 | 146 | 99.7 | -5.3 | |
| cyclone | 75 | 28.17 | -87.18 | 29.9 | 21.17 | 17 | 89 | 138 | 94.2 | -10.8 | |
| cyclone | 76 | 28.00 | -87.20 | 30.0 | 20.93 | 25 | 98 | 130 | 95.1 | -9.9 | |
| cyclone | 77 | 27.83 | -87.84 | 30.0 | 20.82 | 25 | 101 | 151 | 98.7 | -6.3 | |
| cyclone | 91 | 28.17 | -88.18 | 30.7 | 22.05 | 19 | 99 | 170 | 104.8 | -0.2 | |
| cyclone | 92 | 28.33 | -88.25 | 30.5 | 19.70 | 9 | 99 | 160 | 104.6 | -0.4 | |
| cyclone | 127 | 28.57 | -86.66 | 30.5 | n/a | 20 | 96 | 163 | depth < 800m | depth < 800m | |
| cyclone | 128 | 28.40 | -86.66 | 30.4 | n/a | 16 | 100 | 157 | depth < 800m | depth < 800m | |
| cyclone | 129 | 28.24 | -86.69 | 30.5 | n/a | 16 | 99 | 158 | 101.6 | -3.4 | |
| cyclone | 130 (CTD-8) | 28.17 | -86.67 | 30.5 | n/a | 13 | 96 | 147 | 100.5 | -4.5 | |
| cyclone | 131 | 28.08 | -86.55 | 30.4 | n/a | 16 | 95 | 148 | 102.3 | -2.7 | |
| cyclone | 132 | 28.24 | -86.45 | 30.9 | n/a | 14 | 100 | 156 | depth < 800m | depth < 800m | |
| cyclone | 133 | 28.39 | -86.34 | 30.4 | n/a | 20 | 104 | 165 | depth < 800m | depth < 800m | |
| cyclone | 162 | 27.39 | -86.03 | 30.9 | n/a | 12 | 83 | 150 | 102.3 | -2.7 | |
| cyclone | 163 | 27.45 | -86.21 | 31.0 | n/a | 10 | 87 | 150 | 99.9 | -5.1 | |
| cyclone | 164 | 27.49 | -86.40 | 31.2 | n/a | 9 | 89 | 145 | 101.7 | -3.3 | |
| cyclone | 165 | 27.47 | -86.59 | 30.8 | n/a | 12 | 98 | 146 | 100.3 | -4.7 | |
| cyclone | 166 | 27.44 | -86.77 | 30.6 | n/a | 21 | 98 | 160 | 103.7 | -1.3 | |
| | mean (n=36) | 28.14 | -87.09 | 30.1 | 21.07 | 19.19 | 94.28 | 149.61 | 100.03 | -4.97 | |
| | std deviation | 0.37 | 0.58 | 0.5 | 0.53 | 4.9 | 6.31 | 10.99 | 3.79 | 3.79 | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V Gyre cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|-------------|-------------|----------|-----------|----------|-------------|-----|-------------|-------------|--------------|--------------|----------|
| confluence | 6 | 28.00 | -88.80 | 29.7 | 18.00 | 22 | 95 | 175 | 111.2 | 6.2 | |
| confluence | 7 | 27.83 | -88.74 | 29.9 | 15.65 | 28 | 125 | 198 | 125.7 | 20.7 | |
| confluence | 8 | 27.73 | -88.65 | 29.9 | 20.95 | 30 | 144 | 212 | 129.1 | 24.1 | |
| confluence | 9 | 27.67 | -88.62 | 29.5 | 22.53 | 50 | 157 | 229 | 125.8 | 20.8 | |
| confluence | 29 | 27.67 | -88.07 | 30.2 | 22.49 | 38 | 151 | 234 | 127.2 | 22.2 | |
| confluence | 30 | 27.83 | -87.98 | 30.3 | 15.88 | 25 | 140 | 205 | 118.8 | 13.8 | |
| confluence | 31 (CTD-2) | 27.94 | -87.98 | 30.0 | 18.31 | 30 | 117 | 191 | 109.3 | 4.3 | |
| confluence | 32 | 28.00 | -87.94 | 30.0 | 21.22 | 28 | 113 | 177 | 105.2 | 0.2 | |
| confluence | 33 | 28.17 | -87.95 | 29.8 | 20.60 | 27 | 105 | 157 | 105.4 | 0.4 | |
| confluence | 49 | 27.67 | -87.28 | 30.5 | 19.57 | 23 | 113 | 168 | 110.9 | 5.9 | |
| confluence | 50 | 27.50 | -87.21 | 30.5 | 22.45 | 25 | 133 | 207 | 117.2 | 12.2 | |
| confluence | 51 | 27.33 | -87.14 | 30.6 | 22.40 | 29 | 149 | 234 | 128.4 | 23.4 | |
| confluence | 57 | 27.17 | -86.80 | 30.1 | 22.54 | 30 | 141 | 227 | 124 | 19 | |
| confluence | 58 | 27.33 | -86.81 | 30.3 | 21.02 | 27 | 120 | 194 | 114.6 | 9.6 | |
| confluence | 59 | 27.50 | -86.82 | 30.2 | 19.37 | 20 | 101 | 160 | 106.2 | 1.2 | |
| confluence | 78 | 27.67 | -87.26 | 30.7 | 16.53 | 9 | 122 | 165 | 109.9 | 4.9 | |
| confluence | 79 | 27.46 | -87.30 | 30.1 | 22.42 | 44 | 167 | 219 | 125.7 | 20.7 | |
| confluence | 89 | 27.83 | -87.99 | 30.3 | 22.25 | 24 | 145 | 249 | 123.4 | 18.4 | |
| confluence | 90 | 28.00 | -88.09 | 31.1 | 21.61 | 19 | 104 | 210 | 110.2 | 5.2 | |
| confluence | 105 | 29.37 | -87.82 | 30.0 | n/a | 12 | bottom >19C | bottom >15C | depth < 800m | depth < 800m | |
| confluence | 106 | 29.22 | -87.83 | 30.3 | n/a | 15 | 118 | 181 | depth < 800m | depth < 800m | |
| confluence | 107 | 29.03 | -87.83 | 30.5 | n/a | 15 | 116 | 182 | 108.1 | 3.1 | |
| confluence | 108 | 28.87 | -87.85 | 30.4 | n/a | 15 | 120 | 178 | 109.2 | 4.2 | |
| confluence | 109 | 28.84 | -87.84 | 30.3 | n/a | 12 | 120 | 174 | 107.5 | 2.5 | |
| confluence | 110 (CTD-7) | 28.92 | -87.59 | 30.7 | n/a | 12 | 117 | 183 | 107.6 | 2.6 | |
| confluence | 111 | 29.08 | -87.49 | 29.9 | n/a | 14 | 103 | 200 | 108.9 | 3.9 | |
| confluence | 112 | 29.22 | -87.42 | 30.3 | n/a | 15 | 107 | 177 | 109.1 | 4.1 | |
| confluence | 113 | 29.38 | -87.36 | 30.5 | n/a | 8 | 100 | 160 | depth < 800m | depth < 800m | |
| confluence | 114 | 29.53 | -87.28 | 30.3 | n/a | 7 | 78 | 180 | depth < 800m | depth < 800m | |
| confluence | 115 | 29.66 | -87.15 | 30.2 | n/a | 7 | 79 | 160 | depth < 800m | depth < 800m | |
| confluence | 116 | 29.82 | -87.09 | 30.2 | n/a | 8 | 84 | 197 | depth < 800m | depth < 800m | |
| confluence | 119 | 29.90 | -86.68 | 30.3 | n/a | 8 | 84 | bottom >15C | depth < 800m | depth < 800m | |
| confluence | 120 | 29.73 | -86.68 | 30.7 | n/a | 8 | 100 | bottom >15C | depth < 800m | depth < 800m | |
| confluence | 121 | 29.57 | -86.69 | 31.1 | n/a | 8 | 108 | 193 | depth < 800m | depth < 800m | |
| confluence | 122 | 29.40 | -86.60 | 30.8 | n/a | 5 | 103 | 192 | depth < 800m | depth < 800m | |
| confluence | 123 | 29.23 | -86.62 | 30.8 | n/a | 14 | 106 | 194 | depth < 800m | depth < 800m | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V Gyre cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|-------------|--------------|----------|-----------|----------|-------------|-----|-----------|-------------|--------------|--------------|----------|
| confluence | 124 | 29.05 | -86.62 | 30.7 | n/a | 8 | 100 | 181 | depth < 800m | depth < 800m | |
| confluence | 125 | 28.90 | -86.63 | 30.3 | n/a | 12 | 103 | 171 | depth < 800m | depth < 800m | |
| confluence | 126 | 28.73 | -86.64 | 30.2 | n/a | 19 | 96 | 180 | depth < 800m | depth < 800m | |
| confluence | 134 | 28.52 | -86.24 | 30.5 | n/a | 21 | 102 | 169 | depth < 800m | depth < 800m | |
| confluence | 135 | 28.65 | -86.14 | 30.9 | n/a | 16 | 104 | 174 | depth < 800m | depth < 800m | |
| confluence | 136 | 28.79 | -86.04 | 30.5 | n/a | 23 | 99 | 178 | depth < 800m | depth < 800m | |
| confluence | 137 | 28.93 | -85.93 | 30.1 | n/a | 19 | 84 | 228 | depth < 800m | depth < 800m | |
| confluence | 138 | 29.07 | -85.83 | 30.1 | n/a | 13 | 83 | 175 | depth < 800m | depth < 800m | |
| confluence | 139 | 29.16 | -85.75 | 30.4 | n/a | 15 | 68 | bottom >15C | depth < 800m | depth < 800m | |
| confluence | 140 | 28.87 | -85.38 | 30.2 | n/a | 13 | 97 | bottom >15C | depth < 800m | depth < 800m | |
| confluence | 141 | 28.72 | -85.46 | 30.4 | n/a | 20 | 106 | bottom >15C | depth < 800m | depth < 800m | |
| confluence | 142 | 28.56 | -85.55 | 30.4 | n/a | 16 | 100 | 193 | depth < 800m | depth < 800m | |
| confluence | 143 | 28.41 | -85.62 | 30.4 | n/a | 20 | 116 | 185 | depth < 800m | depth < 800m | |
| confluence | 144 | 28.26 | -85.70 | 30.8 | n/a | 13 | 98 | 174 | depth < 800m | depth < 800m | |
| confluence | 145 | 28.12 | -85.78 | 30.7 | n/a | 15 | 100 | 171 | depth < 800m | depth < 800m | |
| confluence | 146 | 27.97 | -85.87 | 30.7 | n/a | 19 | 104 | 164 | 105.7 | 0.7 | |
| confluence | 147 (CTD-9) | 27.85 | -85.90 | 30.9 | n/a | 18 | 98 | 163 | 105.7 | 0.7 | |
| confluence | 148 | 27.69 | -85.66 | 31.1 | n/a | 9 | 102 | 182 | 106.6 | 1.6 | |
| confluence | 149 | 27.73 | -85.50 | 31.7 | n/a | 16 | 106 | 199 | 108.6 | 3.6 | |
| confluence | 150 | 27.80 | -85.31 | 31.2 | n/a | 13 | 111 | 212 | depth < 800m | depth < 800m | |
| confluence | 151 | 27.91 | -85.17 | 31.2 | n/a | 23 | 118 | 206 | depth < 800m | depth < 800m | |
| confluence | 152 | 28.02 | -85.03 | 30.7 | n/a | 19 | 116 | 208 | depth < 800m | depth < 800m | |
| confluence | 153 | 28.14 | -84.89 | 30.9 | n/a | 19 | 97 | bottom >15C | depth < 800m | depth < 800m | |
| confluence | 154 (CTD-10) | 28.00 | -84.60 | 30.4 | n/a | 18 | 90 | bottom >15C | depth < 800m | depth < 800m | |
| confluence | 155 | 27.89 | -84.75 | 30.6 | n/a | 16 | 110 | 177 | depth < 800m | depth < 800m | |
| confluence | 156 | 27.80 | -84.90 | 30.5 | n/a | 19 | 108 | 200 | depth < 800m | depth < 800m | |
| confluence | 157 | 27.72 | -85.07 | 30.9 | n/a | 15 | 118 | 205 | depth < 800m | depth < 800m | |
| confluence | 158 | 27.58 | -85.18 | 30.6 | n/a | 17 | 111 | 206 | depth < 800m | depth < 800m | |
| confluence | 159 | 27.44 | -85.34 | 31.0 | n/a | 13 | 108 | 187 | 109 | 4 | |
| confluence | 160 (CTD-11) | 27.41 | -85.46 | 31.0 | n/a | 10 | 102 | 180 | 105.8 | 0.8 | |
| confluence | 161 | 27.38 | -85.63 | 31.2 | n/a | 13 | 86 | 155 | 106.1 | 1.1 | |
| confluence | 167 | 27.42 | -86.96 | 31.0 | n/a | 13 | 126 | 187 | 113.1 | 8.1 | |
| confluence | 168 | 27.41 | -86.99 | 30.8 | n/a | 24 | 143 | 200 | 118.5 | 13.5 | |
| confluence | 169 | 27.47 | -87.17 | 30.0 | n/a | 37 | 155 | 240 | 128.9 | 23.9 | |
| confluence | 174 | 28.06 | -87.80 | 31.3 | n/a | 14 | 136 | 231 | 121.5 | 16.5 | |
| confluence | 175 | 28.16 | -87.98 | 31.3 | n/a | 27 | 120 | 230 | 120.1 | 15.1 | |
| confluence | 176 | 28.27 | -88.11 | 31.3 | n/a | 19 | 122 | 203 | 113.9 | 8.9 | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V Gyre cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|-------------|---------------|----------|-----------|----------|-------------|-------|-----------|-----------|--------------|--------------|----------|
| confluence | 177 | 28.56 | -88.24 | 31.5 | n/a | 8 | 101 | 185 | 111.9 | 6.9 | |
| confluence | 178 | 28.51 | -88.38 | 31.7 | n/a | 11 | 91 | 151 | 116.2 | 11.2 | |
| | mean (n=75) | 28.32 | -86.75 | 30.6 | 20.30 | 18.19 | 111.08 | 191.22 | 114.26 | 9.26 | |
| | std deviation | 0.73 | 1.13 | 0.5 | 2.38 | 8.68 | 19.91 | 22.96 | 7.91 | 7.91 | |
| LCE "E" | 10 | 27.49 | -88.53 | 30.3 | 22.45 | 28 | 189 | 263 | 138.9 | 33.9 | |
| LCE "E" | 11 | 27.33 | -88.50 | 30.6 | 22.38 | 32 | 221 | 290 | 147.6 | 42.6 | |
| LCE "E" | 12 | 27.17 | -88.47 | 30.6 | 22.33 | 29 | 232 | 322 | 154.1 | 49.1 | |
| LCE "E" | 13 | 27.01 | -88.43 | 30.7 | 22.34 | 28 | 269 | 351 | 160.3 | 55.3 | |
| LCE "E" | 14 | 26.84 | -88.38 | 30.4 | 22.42 | 40 | 279 | 393 | 164.6 | 59.6 | |
| LCE "E" | 15 | 26.65 | -88.33 | 30.3 | 22.37 | 46 | 288 | 437 | 170.3 | 65.3 | |
| LCE "E" | 16 | 26.49 | -88.31 | 30.5 | 22.41 | 41 | 293 | 442 | 172.7 | 67.7 | |
| LCE "E" | 17 | 26.34 | -88.28 | 30.2 | 22.49 | 35 | 296 | 443 | 172.2 | 67.2 | |
| LCE "E" | 18 | 26.16 | -88.24 | 30.2 | 22.48 | 44 | 301 | 453 | 175.9 | 70.9 | |
| LCE "E" | 19 | 26.01 | -88.19 | 30.2 | 22.46 | 46 | 293 | 427 | 172.2 | 67.2 | |
| LCE "E" | 19 (CTD-1) | 26.00 | -88.20 | 30.2 | 22.52 | 44 | 295 | 421 | depth < 800m | depth < 800m | |
| LCE "E" | 20 | 26.17 | -88.21 | 30.4 | 22.45 | 48 | 294 | 452 | 173.6 | 68.6 | |
| LCE "E" | 21 | 26.33 | -88.20 | 30.4 | 22.43 | 37 | 303 | 457 | 175.6 | 70.6 | |
| LCE "E" | 22 | 26.50 | -88.17 | 30.4 | 22.42 | 39 | 295 | 445 | 174.3 | 69.3 | |
| LCE "E" | 23 | 26.67 | -88.15 | 30.5 | 22.40 | 41 | 295 | 437 | 173.8 | 68.8 | |
| LCE "E" | 24 | 26.83 | -88.14 | 30.5 | 22.38 | 37 | 296 | 419 | 170.6 | 65.6 | |
| LCE "E" | 25 | 27.00 | -88.12 | 30.9 | 22.37 | 32 | 278 | 370 | 163.3 | 58.3 | |
| LCE "E" | 26 | 27.17 | -88.10 | 30.8 | 22.29 | 34 | 244 | 326 | 155.6 | 50.6 | |
| LCE "E" | 27 | 27.33 | -88.09 | 30.8 | 22.30 | 29 | 229 | 303 | 148.4 | 43.4 | |
| LCE "E" | 28 | 27.50 | -88.08 | 30.4 | 22.41 | 32 | 183 | 267 | 137.7 | 32.7 | |
| LCE "E" | 52 | 27.17 | -87.05 | 30.8 | 22.32 | 27 | 160 | 268 | 133.6 | 28.6 | |
| LCE "E" | 53 | 27.00 | -86.96 | 30.7 | 22.32 | 25 | 193 | 308 | 142.9 | 37.9 | |
| LCE "E" | 54 | 26.83 | -86.91 | 30.5 | 22.27 | 29 | 221 | 318 | 150.9 | 45.9 | |
| LCE "E" | 55 | 26.90 | -86.78 | 30.7 | 22.33 | 28 | 184 | 294 | 140.8 | 35.8 | |
| LCE "E" | 56 | 27.00 | -86.78 | 30.4 | 22.40 | 30 | 163 | 267 | 132.8 | 27.8 | |
| LCE "E" | 80 | 27.33 | -87.27 | 30.1 | 22.41 | 30 | 182 | 254 | 134.1 | 29.1 | |
| LCE "E" | 81 | 27.17 | -87.32 | 30.3 | 22.47 | 37 | 220 | 294 | 146.3 | 41.3 | |
| LCE "E" | 82 | 27.00 | -87.37 | 30.4 | 22.44 | 39 | 262 | 350 | 160.4 | 55.4 | |
| LCE "E" | 83 (CTD-5) | 26.83 | -87.43 | 30.3 | 22.48 | 47 | 296 | 389 | 168.9 | 63.9 | |
| LCE "E" | 84 | 27.00 | -87.50 | 30.3 | 22.42 | 42 | 279 | 365 | 166 | 61 | |
| LCE "E" | 85 | 27.17 | -87.59 | 29.9 | 22.53 | 40 | 253 | 343 | 155.9 | 50.9 | |
| LCE "E" | 86 | 27.33 | -87.70 | 30.4 | 22.45 | 37 | 235 | 328 | 151.2 | 46.2 | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V Gyre cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|--------------|---------------|----------|-----------|----------|-------------|-------|-------------|-------------|--------------|--------------|----------|
| LCE "E" | 87 | 27.50 | -87.79 | 30.4 | 22.45 | 32 | 220 | 310 | 142.7 | 37.7 | |
| LCE "E" | 88 | 27.67 | -87.89 | 30.6 | 22.36 | 27 | 189 | 282 | 135.2 | 30.2 | |
| LCE "E" | 170 | 27.54 | -87.38 | 30.4 | n/a | 29 | 182 | 275 | 133.3 | 28.3 | |
| LCE "E" | 171 | 27.63 | -87.50 | 30.8 | n/a | 27 | 184 | 279 | 134.3 | 29.3 | |
| LCE "E" | 172 | 27.76 | -87.64 | 30.7 | n/a | 23 | 174 | 273 | 132.7 | 27.7 | |
| LCE "E" | 173 | 27.89 | -87.77 | 30.6 | n/a | 23 | 163 | 265 | 129.9 | 24.9 | |
| | mean (n=38) | 26.99 | -87.84 | 30.5 | 22.40 | 34.58 | 240.34 | 346.84 | 153.88 | 48.88 | |
| | std deviation | 0.49 | 0.52 | 0.2 | 0.07 | 7.14 | 49.6 | 69.2 | 15.7 | 15.7 | |
| other margin | 37 | 28.84 | -88.02 | 30.0 | 19.98 | 17 | 119 | 190 | 107.7 | 2.7 | |
| other margin | 38 | 29.00 | -88.01 | 30.1 | 19.81 | 17 | 120 | 191 | 109.8 | 4.8 | |
| other margin | 39 | 29.17 | -88.00 | 30.1 | 19.17 | 15 | 125 | 196 | depth < 800m | depth < 800m | |
| other margin | 40 | 29.00 | -87.94 | 29.9 | 20.00 | 15 | 120 | 197 | 109.9 | 4.9 | |
| other margin | 41 | 28.83 | -87.89 | 30.1 | 19.91 | 17 | 117 | 192 | 112.2 | 7.2 | |
| other margin | 42 | 28.67 | -87.80 | 30.1 | 20.31 | 13 | 98 | 173 | 106.7 | 1.7 | |
| other margin | 67 | 28.83 | -86.89 | 29.7 | 20.74 | 16 | 100 | 167 | depth < 800m | depth < 800m | |
| other margin | 68 | 29.00 | -86.90 | 29.9 | 20.24 | 13 | 100 | 174 | depth < 800m | depth < 800m | |
| other margin | 69 | 29.17 | -86.91 | 30.1 | 20.10 | 14 | 108 | 162 | depth < 800m | depth < 800m | |
| other margin | 70 | 29.00 | -87.01 | 29.9 | 20.06 | 14 | 112 | 181 | depth < 800m | depth < 800m | |
| other margin | 71 | 28.83 | -87.04 | 29.8 | 20.67 | 9 | 103 | 168 | depth < 800m | depth < 800m | |
| other margin | 93 | 28.50 | -88.39 | 30.5 | 18.60 | 9 | 97 | 168 | 108.8 | 3.8 | |
| other margin | 94 (CTD-6) | 28.62 | -88.47 | 30.1 | 20.25 | 12 | 103 | 172 | 105.9 | 0.9 | |
| other margin | 95 | 28.80 | -88.48 | 30.0 | 20.76 | 17 | 111 | 186 | 109.6 | 4.6 | |
| other margin | 96 | 28.96 | -88.48 | 29.9 | 20.41 | 8 | 104 | 178 | 108.4 | 3.4 | |
| other margin | 97 | 29.11 | -88.48 | 29.9 | 19.37 | 10 | 91 | 166 | depth < 800m | depth < 800m | |
| other margin | 98 | 29.24 | -88.47 | 29.8 | 18.16 | 6 | 84 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 99 | 29.28 | -88.47 | 29.8 | 16.86 | 7 | 70 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 100 | 29.45 | -88.48 | 30.1 | 16.93 | 10 | 57 | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 101 | 29.62 | -88.46 | 29.4 | 19.65 | 10 | bottom >19C | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 102 | 30.03 | -87.83 | 29.3 | n/a | 11 | bottom >19C | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 103 | 29.88 | -87.83 | 29.6 | n/a | 8 | bottom >19C | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 104 | 29.54 | -87.81 | 30.0 | n/a | 9 | bottom >19C | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 117 | 29.98 | -87.04 | 29.9 | n/a | 8 | bottom >19C | bottom >15C | depth < 800m | depth < 800m | |
| other margin | 118 | 29.97 | -86.43 | 30.1 | n/a | 10 | 60 | bottom >15C | depth < 800m | depth < 800m | |
| | mean (n=25) | 29.17 | -87.82 | 29.9 | 19.60 | 11.8 | 99.95 | 178.81 | 108.78 | 3.78 | |
| | std deviation | 0.44 | 0.65 | 0.3 | 1.14 | 3.51 | 19.38 | 11.7 | 1.89 | 1.89 | |

Hydrographic Data spreadsheet (Appendix 2 for Chapter 2), sorted by environment for R/V *Gyre* cruises 96G06 and 97G08

| environment | station | Latitude | Longitude | sfc Temp | sfc sigma-t | MLD | depth 19C | 15C depth | dynht (800m) | dynht anom | comments |
|-------------|---------------|----------|-----------|----------|-------------|-------|-----------|-----------|--------------|--------------|----------|
| MOM | 1 | 28.64 | -89.24 | 29.5 | 16.66 | 12 | 91 | 143 | depth < 800m | depth < 800m | |
| MOM | 2 | 28.66 | -89.00 | 29.2 | 17.00 | 22 | 92 | 182 | depth < 800m | depth < 800m | |
| MOM | 3 | 28.51 | -88.95 | 29.4 | 17.94 | 19 | 101 | 181 | 108.7 | 3.7 | |
| MOM | 4 | 28.34 | -88.90 | 29.4 | 18.67 | 21 | 97 | 174 | 108.1 | 3.1 | |
| MOM | 5 | 28.17 | -88.85 | 29.7 | 17.91 | 18 | 88 | 157 | 106.4 | 1.4 | |
| MOM | 179 | 28.71 | -88.59 | 31.4 | n/a | 18 | 106 | 166 | depth < 800m | depth < 800m | |
| MOM | 180 (CTD-12) | 28.79 | -88.73 | 30.8 | n/a | 13 | 106 | 190 | depth < 800m | depth < 800m | |
| | mean (n=7) | 28.55 | -88.89 | 29.9 | 17.64 | 17.57 | 97.29 | 170.43 | 107.73 | 2.73 | |
| | std deviation | 0.22 | 0.21 | 0.8 | 0.81 | 3.78 | 7.3 | 16.3 | 1.19 | 1.19 | |

Appendices of Hydrographic Data (continued)

- **Bottle Data**

Four tables and two pages of figures present raw data and metadata from biogeochemical analyses of the Niskin bottles that were tripped at the CTD stations made on R/V *Gyre* cruises 96G06 and 97G08.

Chap2_appendix_table3.xls and Chap2_appendix_table4.xls are summaries of bottle sampling for salinity, chlorophyll, and dissolved oxygen on cruises 96G06 and 97G08. The "calc Chl" and "calc DO" columns were computed from first order polynomial fits to the data as explained in Chap2_appendix_table5.xls. Two pages of graphs follow, which for each cruise illustrate the range in the raw data and in the bottle data. The "Chl error" and "DO error" columns in Chap2_appendix_table3.xls and Chap2_appendix_table4.xls were computed by taking the difference from these computed properties and the bottle data. In general, chlorophyll computed from the submersible fluorometer profile generally agreed to within ± 0.05 ug/L with individual bottle samples, and "calc DO" measured by calibrating the raw DO data from the polarographic oxygen probe against bottle DO generally agreed to within ± 0.1 ml/L with any individual bottle sample.

The final table (Chap2_appendix_table6.xls) is a summary of autoanalyzer nutrient analyses for phosphate, nitrate, nitrite, and silicate on bottle data from R/V *Gyre* cruise 96G06. If an individual analysis was suspect, this was flagged as "-999"; if all four analyses did not agree with historical property-property relationships, they were flagged as "problematic data". Nutrient analyses were not performed on cruise 97G08.

Upcast Bottle Data spreadsheet (Appendix 3 for Chapter 2) of salinity, chlorophyll, oxygen, and beam attenuation for R/V Gyre cruise 96G06

| CTD & Sta # | Bottle # | Trip Depth | CTD Temp | CTD Salin | Bottle Salin | Salin error | Fluor volts | calc Chl | Bottle Chl | Chl error | raw DO | calc DO | Bottle DO | DO error | Xmisc volts | volts > min | |
|-------------------------|----------|------------|----------|-----------|--------------|-------------|-------------|----------|------------|-----------|--------|---------|-----------|----------|-------------|-------------|------|
| 96G06 CTD-1 (Sta 12) | 1 | 250 | 10.8 | 35.32 | 35.31 | 0.01 | 0.546 | 0.000 | -999 | -999 | 2.23 | 2.81 | 2.81 | 0.00 | 4.431 | 0.020 | |
| | 2 | 225 | 11.5 | 35.43 | 35.42 | 0.01 | 0.547 | 0.000 | -999 | -999 | 2.26 | 2.86 | 2.84 | 0.02 | 4.432 | 0.019 | |
| | 3 | 200 | 12.5 | 35.57 | 35.55 | 0.02 | 0.537 | 0.000 | -999 | -999 | 2.31 | 2.93 | 2.91 | 0.02 | 4.432 | 0.019 | |
| | 4 | 175 | 13.2 | 35.70 | 35.68 | 0.02 | 0.550 | 0.000 | -999 | -999 | 2.34 | 2.97 | 2.93 | 0.04 | 4.435 | 0.016 | |
| | 5 | 151 | 14.3 | 35.86 | 35.83 | 0.03 | 0.573 | 0.000 | 0.005 | 0.00 | 2.35 | 2.98 | 2.97 | 0.01 | 4.434 | 0.017 | |
| | 6 | 125 | 15.6 | 36.08 | 36.06 | 0.02 | 0.553 | 0.000 | 0.014 | -0.01 | 2.39 | 3.04 | 3.07 | -0.02 | 4.437 | 0.014 | |
| | 7 | 101 | 17.8 | 36.35 | 36.32 | 0.02 | 0.624 | 0.060 | 0.059 | 0.00 | 2.39 | 3.04 | 3.02 | 0.03 | 4.427 | 0.024 | |
| | 8 | 81 | 19.3 | 36.45 | 36.42 | 0.02 | 1.024 | 0.177 | 0.122 | 0.06 | 2.52 | 3.23 | 3.29 | -0.06 | 4.414 | 0.037 | |
| | 9 | 60 | 21.3 | 36.45 | 36.43 | 0.02 | 1.265 | 0.330 | 0.351 | -0.02 | 2.82 | 3.65 | 3.73 | -0.07 | 4.375 | 0.076 | |
| | 10 | 40 | 24.9 | 36.40 | 36.40 | -0.01 | 1.030 | 0.181 | 0.185 | 0.00 | 3.71 | 4.92 | 5.00 | -0.07 | 4.365 | 0.086 | |
| | 11 | 20 | 27.2 | 36.27 | 36.25 | 0.02 | 0.830 | 0.084 | 0.081 | -0.02 | 3.52 | 4.65 | 4.58 | 0.07 | 4.391 | 0.060 | |
| | 12 | 3 | 27.2 | 36.28 | 36.25 | 0.02 | 0.840 | 0.089 | 0.081 | -0.01 | 3.46 | 4.59 | 4.53 | 0.06 | 4.390 | 0.061 | |
| 96G06 CTD-2 (Sta 19) | 1 | 252 | 15.6 | 36.06 | 36.06 | 0.01 | 0.546 | 0.000 | 0.005 | 0.00 | 2.27 | 2.92 | 2.86 | 0.06 | 4.431 | 0.012 | |
| | 2 | 228 | 16.8 | 36.23 | 36.23 | 0.00 | 0.596 | 0.007 | 0.018 | -0.01 | 2.28 | 2.94 | 2.92 | 0.01 | 4.432 | 0.011 | |
| | 3 | 200 | 18.9 | 36.56 | 36.56 | -0.01 | 0.652 | 0.029 | 0.014 | 0.02 | 2.66 | 3.49 | -999 | -999 | 4.436 | 0.007 | |
| | 4 | 176 | 20.3 | 36.64 | 36.63 | 0.01 | 0.607 | 0.011 | 0.018 | -0.01 | 2.61 | 3.42 | 3.44 | -0.02 | 4.437 | 0.006 | |
| | 5 | 151 | 22.6 | 36.83 | 36.64 | -0.02 | 0.753 | 0.067 | 0.045 | 0.02 | 2.82 | 3.72 | 3.60 | -0.08 | 4.431 | 0.012 | |
| | 6 | 122 | 24.3 | 36.50 | 36.51 | -0.01 | 0.899 | 0.123 | 0.122 | 0.00 | 3.13 | 4.18 | 4.20 | -0.02 | 4.426 | 0.017 | |
| | 7 | 101 | 25.5 | 36.42 | 36.42 | 0.01 | 1.214 | 0.245 | 0.216 | 0.03 | 3.35 | 4.50 | 4.56 | -0.06 | 4.418 | 0.025 | |
| | 8 | 77 | 26.7 | 36.38 | 36.38 | 0.00 | 1.046 | 0.180 | 0.230 | -0.05 | 3.55 | 4.79 | 4.68 | 0.10 | 4.399 | 0.044 | |
| | 9 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 |
| | 10 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 |
| | 11 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 |
| | 12 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 |
| 96G06 CTD-3 (Sta 42) | 1 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 2 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 3 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 4 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 5 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 6 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 7 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 8 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 9 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 10 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 11 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 12 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| 96G06 CTD-4 (Sta 58) | 1 | 224 | 12.8 | 35.63 | 35.62 | 0.01 | 0.483 | 0.000 | -999 | -999 | 2.37 | 2.79 | 2.89 | -0.10 | 4.431 | 0.002 | |
| | 2 | 199 | 13.7 | 35.77 | 35.63 | 0.14 | 0.536 | 0.000 | -999 | -999 | 2.43 | 2.86 | 2.90 | -0.04 | 4.431 | 0.002 | |
| | 3 | 176 | 14.6 | 35.92 | 35.75 | 0.16 | 0.553 | 0.000 | -999 | -999 | 2.43 | 2.86 | 2.91 | -0.05 | 4.426 | 0.007 | |
| | 4 | 151 | 16.7 | 36.08 | 35.89 | 0.18 | 0.599 | -0.022 | 0.002 | -0.02 | 2.46 | 2.89 | 2.92 | -0.02 | 4.427 | 0.006 | |
| | 5 | 124 | 16.9 | 36.24 | 36.06 | 0.18 | 0.658 | 0.007 | 0.005 | 0.00 | 2.37 | 2.79 | 2.94 | -0.14 | 4.432 | 0.001 | |
| | 6 | 105 | 17.8 | 36.33 | 36.22 | 0.11 | 0.772 | 0.056 | 0.027 | 0.03 | 2.34 | 2.76 | 2.78 | -0.02 | 4.429 | 0.004 | |
| | 7 | 90 | 18.7 | 36.22 | 36.31 | -0.09 | 0.910 | 0.114 | 0.072 | 0.04 | 2.57 | 3.01 | 2.84 | 0.17 | 4.422 | 0.011 | |
| | 8 | 75 | 19.8 | 36.33 | 36.30 | 0.02 | 1.037 | 0.168 | 0.113 | 0.06 | 3.11 | 3.80 | 3.16 | 0.45 | 4.414 | 0.019 | |
| | 9 | 60 | 21.2 | 36.40 | 36.31 | 0.10 | 1.247 | 0.258 | 0.270 | -0.01 | 3.61 | 4.15 | 3.94 | 0.21 | 4.397 | 0.036 | |
| | 10 | 48 | 22.6 | 36.44 | 36.38 | 0.06 | 1.395 | 0.321 | 0.333 | -0.01 | 3.78 | 4.34 | 4.44 | -0.10 | 4.373 | 0.080 | |
| | 11 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | |
| | 12 | 10 | 26.2 | 35.57 | 35.77 | -0.20 | 0.913 | 0.116 | 0.194 | -0.08 | 3.78 | 4.34 | 4.68 | -0.34 | 4.365 | 0.049 | |

Upcast Bottle Data spreadsheet (Appendix 3 for Chapter 2) of salinity, chlorophyll, oxygen, and beam attenuation for R/V Gyre cruise 96G06

| CTD & Sta # | Bottle # | Trip Depth | CTD Temp | CTD Salin | Bottle Salin | Salin error | Fluor volts | calc Chl | Bottle Chl | Chl error | raw DO | calc DO | Bottle DO | DO error | Xmiss volts | volts > min |
|--------------------------|----------|------------|----------|-----------|--------------|-------------|-------------|----------|------------|-----------|--------|---------|-----------|----------|-------------|-------------|
| 96G06 CTD-5 (Sta 77) | 1 | 225 | 14.0 | 35.80 | 35.80 | 0.01 | 0.532 | 0.000 | 0.000 | 0.00 | 2.37 | 2.91 | 2.92 | -0.01 | 4.435 | 0.002 |
| | 2 | 199 | 14.9 | 35.95 | 35.95 | 0.00 | 0.631 | 0.019 | 0.000 | 0.02 | 2.46 | 3.03 | 3.02 | 0.01 | 4.437 | 0.000 |
| | 3 | 176 | 15.6 | 36.06 | 36.05 | 0.01 | 0.596 | 0.005 | 0.000 | 0.00 | 2.46 | 3.03 | 2.96 | 0.07 | 4.432 | 0.005 |
| | 4 | 150 | 16.4 | 36.18 | 36.17 | 0.00 | 0.607 | 0.009 | 0.014 | 0.00 | 2.42 | 2.98 | 2.95 | 0.03 | 4.431 | 0.006 |
| | 5 | 126 | 17.4 | 36.29 | 36.29 | 0.01 | 0.744 | 0.066 | 0.041 | 0.03 | 2.44 | 3.01 | 2.97 | 0.04 | 4.436 | 0.001 |
| | 6 | 106 | 19.1 | 36.49 | 36.47 | 0.02 | 0.875 | 0.121 | 0.063 | 0.06 | 2.55 | 3.15 | 3.25 | -0.10 | 4.431 | 0.006 |
| | 7 | 91 | 19.9 | 36.52 | 36.51 | 0.01 | 0.962 | 0.157 | 0.081 | 0.08 | 2.74 | 3.41 | 3.46 | -0.05 | 4.424 | 0.013 |
| | 8 | 75 | 21.1 | 36.37 | 36.36 | 0.01 | 1.258 | 0.281 | 0.261 | 0.02 | 3.37 | 4.26 | 4.32 | -0.06 | 4.399 | 0.038 |
| | 9 | 60 | 23.0 | 36.42 | 36.42 | 0.00 | 1.238 | 0.272 | 0.297 | -0.02 | 3.62 | 4.87 | 4.93 | -0.06 | 4.379 | 0.056 |
| | 10 | 45 | 25.6 | 35.96 | 35.97 | -0.02 | 0.877 | 0.122 | 0.207 | -0.09 | 3.76 | 4.79 | 4.73 | 0.06 | 4.397 | 0.040 |
| | 11 | 31 | 25.7 | 35.95 | 35.95 | 0.00 | 0.840 | 0.106 | 0.176 | -0.07 | 3.75 | 4.78 | 4.73 | 0.05 | 4.396 | 0.041 |
| | 12 | 5 | 25.7 | 35.95 | 35.95 | 0.00 | 0.853 | 0.112 | 0.135 | -0.02 | 3.71 | 4.72 | 4.71 | 0.01 | 4.399 | 0.038 |
| 96G06 CTD-6 (Sta 87) | 1 | 850 | 4.8 | 34.95 | 34.94 | 0.02 | 0.539 | 0.000 | -999 | -999 | 3.66 | 4.41 | 4.22 | 0.19 | 4.143 | 0.289 |
| | 2 | 201 | 12.2 | 35.52 | 35.51 | 0.01 | 0.575 | 0.000 | 0.000 | 0.00 | 2.42 | 2.80 | 2.86 | -0.05 | 4.425 | 0.007 |
| | 3 | 176 | 13.0 | 35.65 | 35.64 | 0.01 | 0.524 | 0.000 | 0.000 | 0.00 | 2.46 | 2.85 | 2.88 | -0.03 | 4.430 | 0.002 |
| | 4 | 151 | 14.0 | 35.81 | 35.80 | 0.01 | 0.601 | 0.003 | 0.000 | 0.00 | 2.51 | 2.92 | 2.95 | -0.04 | 4.431 | 0.001 |
| | 5 | 126 | 15.3 | 36.02 | 36.01 | 0.01 | 0.610 | 0.008 | 0.009 | 0.00 | 2.59 | 3.02 | 2.97 | 0.05 | 4.432 | 0.000 |
| | 6 | 106 | 16.4 | 36.18 | 36.17 | 0.01 | 0.623 | 0.014 | 0.023 | -0.01 | 2.63 | 3.07 | 3.06 | 0.01 | 4.431 | 0.001 |
| | 7 | 92 | 17.4 | 36.31 | 36.31 | 0.00 | 0.767 | 0.085 | 0.086 | 0.00 | 2.63 | 3.07 | 3.03 | 0.06 | 4.425 | 0.007 |
| | 8 | 75 | 18.8 | 36.43 | 36.42 | 0.01 | 1.035 | 0.218 | 0.081 | 0.13 | 2.71 | 3.17 | 3.16 | 0.01 | 4.414 | 0.018 |
| | 9 | 60 | 20.8 | 36.50 | 36.50 | 0.01 | 1.271 | 0.332 | 0.363 | -0.05 | 3.32 | 3.95 | 3.89 | 0.07 | 4.370 | 0.062 |
| | 10 | 45 | 22.9 | 36.46 | 36.45 | 0.01 | 0.990 | 0.194 | 0.230 | -0.04 | 3.76 | 4.51 | 4.64 | -0.33 | 4.366 | 0.066 |
| | 11 | 30 | 25.2 | 36.06 | 35.95 | 0.11 | 0.917 | 0.158 | 0.180 | -0.02 | 4.03 | 4.66 | 4.67 | -0.01 | 4.346 | 0.066 |
| | 12 | 11 | 26.1 | 35.53 | 35.52 | 0.01 | 0.766 | 0.084 | 0.104 | -0.02 | 3.98 | 4.79 | 4.70 | 0.09 | 4.359 | 0.073 |
| 96G06 CTD-7 (Sta 103) | 1 | 851 | 5.8 | 34.91 | 34.90 | 0.01 | 0.593 | 0.000 | -999 | -999 | 3.07 | 3.64 | 3.59 | 0.05 | 4.397 | 0.034 |
| | 2 | 202 | 14.5 | 35.89 | 35.88 | 0.01 | 0.498 | 0.000 | 0.000 | 0.00 | 2.44 | 2.86 | 2.88 | -0.02 | 4.403 | 0.026 |
| | 3 | 172 | 15.4 | 36.02 | 36.01 | 0.01 | 0.560 | 0.000 | 0.000 | 0.00 | 2.48 | 2.91 | 2.92 | -0.02 | 4.424 | 0.007 |
| | 4 | 151 | 16.4 | 36.19 | 36.17 | 0.01 | 0.630 | 0.011 | 0.014 | 0.00 | 2.65 | 3.12 | 3.11 | 0.01 | 4.431 | 0.000 |
| | 5 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 | -999 |
| | 6 | 100 | 19.2 | 36.49 | 36.48 | 0.00 | 0.961 | 0.127 | 0.077 | 0.05 | 2.78 | 3.26 | 3.27 | 0.01 | 4.422 | 0.009 |
| | 7 | 75 | 20.5 | 36.43 | 36.43 | 0.00 | 1.237 | 0.224 | 0.171 | 0.05 | 3.41 | 4.06 | -999 | -999 | 4.398 | 0.033 |
| | 8 | 60 | 21.9 | 36.43 | 36.41 | 0.02 | 1.424 | 0.290 | 0.302 | -0.01 | 3.86 | 4.62 | 4.59 | 0.03 | 4.358 | 0.073 |
| | 9 | 51 | 23.8 | 36.36 | 36.15 | 0.21 | 1.160 | 0.197 | 0.248 | -0.05 | 3.96 | 4.74 | 4.80 | -0.06 | 4.365 | 0.066 |
| | 10 | 31 | 25.4 | 35.86 | 35.86 | 0.00 | 0.961 | 0.127 | 0.180 | -0.05 | 3.99 | 4.78 | 4.74 | 0.04 | 4.372 | 0.059 |
| | 11 | 21 | 25.4 | 35.85 | 35.84 | 0.01 | 0.940 | 0.120 | 0.131 | -0.01 | 3.97 | 4.75 | 4.73 | 0.02 | 4.368 | 0.063 |
| | 12 | 11 | 25.5 | 35.84 | 35.84 | 0.00 | 0.946 | 0.122 | 0.095 | 0.03 | 3.95 | 4.73 | 4.77 | -0.04 | 4.374 | 0.057 |
| 96G06 CTD-8 (Sta 129) | 1 | 251 | 19.4 | 36.65 | 36.64 | 0.01 | 0.627 | 0.000 | 0.000 | 0.00 | 3.03 | 3.64 | 3.60 | 0.04 | 4.436 | 0.006 |
| | 2 | 222 | 20.7 | 36.79 | 36.78 | 0.01 | 0.513 | 0.000 | 0.000 | 0.00 | 2.96 | 3.44 | 3.43 | 0.01 | 4.437 | 0.005 |
| | 3 | 199 | 21.7 | 36.85 | 36.85 | 0.01 | 0.607 | 0.020 | 0.000 | 0.02 | 2.98 | 3.43 | 3.41 | 0.01 | 4.436 | 0.004 |
| | 4 | 174 | 23.4 | 36.86 | 36.85 | 0.01 | 0.616 | 0.023 | 0.005 | 0.02 | 3.02 | 3.52 | 3.56 | -0.04 | 4.441 | 0.001 |
| | 5 | 154 | 24.1 | 36.46 | 36.44 | 0.01 | 0.631 | 0.027 | 0.014 | 0.01 | 3.46 | 4.14 | 4.27 | -0.13 | 4.442 | 0.000 |
| | 6 | 127 | 24.4 | 36.40 | 36.39 | 0.00 | 0.862 | 0.097 | 0.090 | 0.01 | 3.62 | 4.36 | 4.35 | 0.01 | 4.426 | 0.016 |
| | 7 | 102 | 25.6 | 36.53 | 36.53 | 0.00 | 1.237 | 0.197 | 0.180 | 0.02 | 3.49 | 4.18 | 4.09 | 0.09 | 4.399 | 0.043 |
| | 8 | 81 | 26.1 | 36.52 | 36.51 | 0.01 | 1.127 | 0.166 | 0.171 | -0.01 | 3.46 | 4.14 | 4.16 | -0.02 | 4.407 | 0.035 |
| | 9 | 59 | 26.4 | 36.47 | 36.46 | 0.01 | 0.979 | 0.124 | 0.144 | -0.02 | 3.62 | 4.36 | 4.37 | -0.01 | 4.405 | 0.037 |
| | 10 | 41 | 27.4 | 36.35 | 36.34 | 0.00 | 0.703 | 0.047 | 0.072 | -0.02 | 3.74 | 4.53 | 4.53 | 0.00 | 4.411 | 0.031 |
| | 11 | 21 | 27.4 | 36.35 | 36.34 | 0.01 | 0.745 | 0.059 | 0.054 | 0.00 | 3.78 | 4.59 | 4.57 | 0.02 | 4.413 | 0.029 |
| | 12 | 5 | 27.4 | 36.35 | 36.34 | 0.01 | 0.662 | 0.036 | 0.066 | -0.03 | 3.77 | 4.57 | 4.57 | 0.00 | 4.415 | 0.027 |

Upcast Bottle Data spreadsheet (Appendix 3 for Chapter 2) of salinity, chlorophyll, oxygen, and beam attenuation for R/V Gyre cruise 96G06

| CTD & Sta # | Bottle # | Trip Depth | CTD Temp | CTD Salin | Bottle Salin | Salin error | Fluor volts | calc Chl | Bottle Chl | Chl error | raw DO | calc DO | Bottle DO | DO error | Xmiss volts | volts > mn |
|---------------------------|----------|------------|----------|-----------|--------------|-------------|-------------|----------|------------|-----------|--------|---------|-----------|----------|-------------|------------|
| 96G06 CTD-9 (Sta 147) | 1 | 177 | 14.7 | 35.92 | 35.91 | 0.01 | 0.524 | 0.000 | 0.000 | 0.00 | 2.47 | 2.82 | 2.86 | -0.03 | 4.415 | 0.021 |
| | 2 | 161 | 15.2 | 35.99 | 35.99 | 0.01 | 0.592 | 0.000 | 0.000 | 0.00 | 2.58 | 2.96 | 2.97 | -0.01 | 4.436 | 0.000 |
| | 3 | 146 | 15.7 | 36.07 | 36.06 | 0.01 | 0.554 | 0.000 | 0.005 | 0.00 | 2.62 | 3.01 | 2.95 | 0.05 | 4.431 | 0.005 |
| | 4 | 130 | 16.5 | 36.18 | 36.16 | 0.02 | 0.661 | 0.018 | 0.009 | 0.01 | 2.54 | 2.91 | 2.87 | 0.04 | 4.426 | 0.010 |
| | 5 | 115 | 17.2 | 36.26 | 36.24 | 0.02 | 0.669 | 0.014 | 0.023 | -0.01 | 2.53 | 2.90 | 2.89 | 0.00 | 4.421 | 0.015 |
| | 6 | 101 | 17.9 | 36.35 | 36.35 | 0.01 | 0.642 | 0.067 | 0.027 | 0.04 | 2.64 | 3.03 | 3.05 | -0.01 | 4.431 | 0.005 |
| | 7 | 85 | 19.3 | 36.36 | 36.35 | 0.01 | 1.067 | 0.136 | 0.090 | 0.05 | 2.71 | 3.12 | 3.16 | -0.04 | 4.414 | 0.022 |
| | 8 | 69 | 20.2 | 36.33 | 36.31 | 0.02 | 1.272 | 0.199 | 0.194 | 0.01 | 3.48 | 4.07 | 3.90 | 0.17 | 4.397 | 0.039 |
| | 9 | 56 | 21.9 | 36.46 | 36.44 | 0.02 | 1.297 | 0.206 | 0.216 | -0.01 | 3.70 | 4.35 | 4.59 | -0.24 | 4.374 | 0.062 |
| | 10 | 39 | 25.7 | 35.98 | 35.98 | 0.00 | 0.937 | 0.096 | 0.144 | -0.05 | 4.04 | 4.77 | 4.67 | 0.10 | 4.386 | 0.050 |
| | 11 | 22 | 25.7 | 35.96 | 35.96 | 0.00 | 0.949 | 0.100 | 0.122 | -0.02 | 4.00 | 4.72 | 4.71 | 0.01 | 4.383 | 0.053 |
| | 12 | 11 | 25.7 | 35.96 | 35.96 | 0.01 | 0.928 | 0.094 | 0.104 | -0.01 | 3.97 | 4.68 | 4.70 | -0.02 | 4.383 | 0.053 |
| 96G06 CTD-10 (Sta 157) | 1 | 178 | 15.7 | 36.07 | 36.06 | 0.01 | 0.593 | 0.000 | 0.009 | -0.01 | 2.60 | 3.01 | 2.97 | 0.04 | 4.340 | 0.094 |
| | 2 | 163 | 16.4 | 36.17 | 36.18 | 0.00 | 0.664 | 0.016 | 0.014 | 0.00 | 2.63 | 3.05 | 3.06 | -0.02 | 4.430 | 0.004 |
| | 3 | 145 | 17.1 | 36.27 | 36.26 | 0.00 | 0.742 | 0.034 | 0.027 | 0.01 | 2.63 | 3.05 | 3.01 | 0.03 | 4.433 | 0.001 |
| | 4 | 129 | 17.5 | 36.34 | 36.33 | 0.01 | 0.796 | 0.046 | 0.036 | 0.01 | 2.71 | 3.15 | 3.17 | -0.02 | 4.432 | 0.002 |
| | 5 | 114 | 18.4 | 36.42 | 36.41 | 0.01 | 0.905 | 0.071 | 0.050 | 0.02 | 2.76 | 3.22 | 3.15 | 0.07 | 4.426 | 0.008 |
| | 6 | 101 | 18.8 | 36.39 | 36.38 | 0.00 | 0.983 | 0.089 | 0.050 | 0.04 | 2.70 | 3.14 | 3.12 | 0.02 | 4.421 | 0.013 |
| | 7 | 87 | 19.7 | 36.47 | 36.45 | 0.02 | 1.066 | 0.108 | 0.086 | 0.02 | 2.90 | 3.40 | 3.46 | -0.06 | 4.407 | 0.027 |
| | 8 | 72 | 21.0 | 36.42 | 36.43 | -0.01 | 1.168 | 0.131 | 0.153 | -0.02 | 3.33 | 3.97 | 4.17 | -0.19 | 4.394 | 0.040 |
| | 9 | 55 | 22.6 | 36.20 | 36.19 | 0.01 | 1.116 | 0.120 | 0.104 | 0.02 | 3.62 | 4.36 | 4.25 | 0.11 | 4.216 | 0.218 |
| | 10 | 42 | 25.4 | 35.89 | 35.89 | 0.01 | 0.908 | 0.072 | 0.117 | -0.05 | 3.69 | 4.45 | 4.50 | -0.05 | 4.190 | 0.244 |
| | 11 | 27 | 25.8 | 35.81 | 35.80 | 0.01 | 1.013 | 0.096 | 0.135 | -0.04 | 3.77 | 4.56 | 4.50 | 0.06 | 3.976 | 0.458 |
| | 12 | 11 | 24.3 | 33.65 | 33.60 | 0.05 | 1.951 | 0.311 | 0.679 | -0.27 | 4.20 | 5.13 | 5.11 | 0.02 | 3.801 | 0.633 |
| 96G06 CTD-11 (Sta 188) | 1 | 250 | 18.7 | 36.56 | 36.55 | 0.01 | 0.476 | 0.000 | 0.000 | 0.00 | 3.06 | 3.57 | 3.50 | 0.07 | 4.441 | 0.004 |
| | 2 | 225 | 19.5 | 36.67 | 36.67 | 0.00 | 0.534 | 0.000 | 0.000 | 0.00 | 3.01 | 3.50 | 3.46 | 0.04 | 4.442 | 0.003 |
| | 3 | 201 | 20.6 | 36.78 | 36.78 | 0.00 | 0.586 | 0.000 | 0.000 | 0.00 | 2.95 | 3.42 | 3.40 | 0.02 | 4.443 | 0.002 |
| | 4 | 175 | 22.0 | 36.88 | 36.87 | 0.01 | 0.587 | 0.023 | 0.005 | 0.02 | 2.95 | 3.42 | 3.43 | -0.01 | 4.444 | 0.001 |
| | 5 | 152 | 23.4 | 36.87 | 36.87 | 0.00 | 0.694 | 0.046 | 0.023 | 0.02 | 2.99 | 3.47 | 3.55 | -0.08 | 4.443 | 0.002 |
| | 6 | 125 | 24.4 | 36.61 | 36.62 | -0.01 | 0.886 | 0.086 | 0.050 | 0.04 | 3.29 | 3.88 | 3.94 | -0.06 | 4.432 | 0.013 |
| | 7 | 105 | 25.0 | 36.49 | 36.48 | 0.00 | 1.200 | 0.152 | 0.144 | 0.01 | 3.51 | 4.16 | 4.20 | -0.01 | 4.408 | 0.037 |
| | 8 | 96 | 25.4 | 36.46 | 36.46 | 0.01 | 1.300 | 0.173 | 0.171 | 0.00 | 3.60 | 4.31 | 4.28 | 0.02 | 4.399 | 0.046 |
| | 9 | 82 | 25.6 | 36.43 | 36.42 | 0.01 | 1.082 | 0.127 | 0.131 | 0.00 | 3.67 | 4.40 | 4.43 | -0.02 | 4.418 | 0.027 |
| | 10 | 60 | 27.2 | 36.36 | 36.36 | 0.00 | 0.875 | 0.084 | 0.113 | -0.03 | 3.79 | 4.57 | 4.53 | 0.04 | 4.416 | 0.029 |
| | 11 | 40 | 27.6 | 36.36 | 36.36 | 0.01 | 0.758 | 0.059 | 0.086 | -0.03 | 3.78 | 4.55 | 4.54 | 0.01 | 4.418 | 0.027 |
| | 12 | 21 | 27.6 | 36.37 | 36.36 | 0.01 | 0.757 | 0.055 | 0.086 | -0.03 | 3.77 | 4.54 | 4.56 | -0.02 | 4.416 | 0.029 |
| 96G06 CTD-12 (Sta 210) | 1 | 174 | 14.9 | 35.95 | 35.95 | 0.01 | 0.487 | 0.000 | 0.000 | 0.00 | 2.69 | 3.12 | 3.18 | -0.06 | 4.440 | 0.000 |
| | 2 | 161 | 15.4 | 36.04 | 36.03 | 0.00 | 0.551 | 0.000 | 0.000 | 0.00 | 2.74 | 3.18 | 3.17 | 0.02 | 4.436 | 0.002 |
| | 3 | 145 | 16.0 | 36.11 | 36.11 | 0.01 | 0.647 | 0.008 | 0.009 | 0.00 | 2.67 | 3.09 | 3.01 | 0.09 | 4.438 | 0.002 |
| | 4 | 128 | 16.8 | 36.23 | 36.23 | 0.00 | 0.650 | 0.009 | 0.018 | -0.01 | 2.59 | 2.99 | 2.95 | 0.04 | 4.436 | 0.004 |
| | 5 | 118 | 17.2 | 36.28 | 36.29 | -0.01 | 0.737 | 0.044 | 0.032 | 0.01 | 2.57 | 2.97 | 2.97 | 0.00 | 4.438 | 0.002 |
| | 6 | 102 | 18.2 | 36.36 | 36.36 | 0.00 | 0.812 | 0.074 | 0.041 | 0.03 | 2.60 | 3.01 | 3.01 | 0.00 | 4.433 | 0.007 |
| | 7 | 85 | 19.2 | 36.34 | 36.34 | 0.01 | 0.873 | 0.099 | 0.059 | 0.04 | 2.91 | 3.40 | 3.43 | -0.03 | 4.429 | 0.011 |
| | 8 | 73 | 20.1 | 36.33 | 36.41 | -0.08 | 1.172 | 0.219 | 0.086 | 0.13 | 3.34 | 3.94 | 3.94 | 0.01 | 4.421 | 0.019 |
| | 9 | 56 | 22.9 | 36.39 | 36.34 | 0.05 | 1.556 | 0.373 | 0.423 | -0.05 | 3.69 | 4.39 | 4.60 | -0.21 | 4.314 | 0.126 |
| | 10 | 40 | 25.1 | 35.90 | 35.89 | 0.01 | 1.012 | 0.154 | 0.207 | -0.05 | 3.99 | 4.77 | 4.71 | 0.06 | 4.377 | 0.063 |
| | 11 | 24 | 25.1 | 35.86 | 35.86 | 0.01 | 0.911 | 0.114 | 0.144 | -0.03 | 4.01 | 4.79 | 4.74 | 0.05 | 4.361 | 0.079 |
| | 12 | 9 | 25.1 | 35.89 | 35.86 | 0.01 | 0.807 | 0.072 | 0.144 | -0.07 | 3.99 | 4.77 | 4.70 | 0.07 | 4.363 | 0.077 |

Upcast Bottle Data spreadsheet (Appendix 4 for Chapter 2) of salinity, chlorophyll, oxygen, and beam attenuation for RV Gyre cruises 97G08

| CTD & Sta # | Bottle # | Trip Depth | CTD Temp | CTD Salin | Bottle Salin | Salin error | Fluor volts | calc Chl | Bottle Chl | Chl error | raw DO | calc DO | Bottle DO | DO error | Xmiss volts | volts > min |
|-------------------------|----------|------------|----------|-----------|--------------|-------------|-------------|----------|------------|-----------|--------|---------|-----------|----------|-------------|-------------|
| 97G08 CTD-1 (Sta 19) | 1 | 173 | 24.9 | 36.74 | -999 | -999 | 0.650 | 0.026 | 0.024 | 0.00 | 3.41 | 4.65 | 4.61 | 0.04 | 4.366 | 0.004 |
| | 2 | 155 | 25.7 | 36.56 | 36.56 | -0.01 | 0.670 | 0.032 | 0.026 | 0.00 | 3.49 | 4.66 | 4.66 | -0.02 | 4.366 | 0.004 |
| | 3 | 139 | 26.2 | 36.39 | 36.40 | -0.01 | 0.778 | 0.066 | 0.060 | 0.01 | 3.59 | 4.80 | 4.77 | 0.02 | 4.362 | 0.010 |
| | 4 | 125 | 26.5 | 36.26 | 36.29 | -0.03 | 0.939 | 0.116 | 0.095 | 0.02 | 3.71 | 4.96 | 4.93 | 0.04 | 4.369 | 0.023 |
| | 5 | 110 | 26.7 | 36.20 | 36.21 | -0.01 | 1.181 | 0.191 | 0.162 | 0.03 | 3.79 | 5.07 | 5.07 | 0.00 | 4.358 | 0.034 |
| | 6 | 100 | 26.8 | 36.12 | 36.13 | -0.01 | 1.140 | 0.178 | 0.207 | -0.03 | 3.93 | 5.27 | 5.25 | 0.02 | 4.360 | 0.032 |
| | 7 | 81 | 27.4 | 36.07 | 36.06 | 0.01 | 1.026 | 0.143 | 0.158 | -0.01 | 4.07 | 5.46 | 5.44 | 0.03 | 4.354 | 0.038 |
| | 8 | 65 | 28.0 | 36.10 | 36.10 | 0.00 | 0.905 | 0.105 | 0.115 | -0.01 | 4.10 | 5.50 | 5.50 | 0.00 | 4.353 | 0.039 |
| | 9 | 50 | 28.6 | 36.09 | 36.08 | 0.01 | 0.652 | 0.089 | 0.098 | -0.01 | 4.10 | 5.50 | 5.49 | 0.01 | 4.353 | 0.039 |
| | 10 | 34 | 30.0 | 36.14 | 36.14 | 0.00 | 0.766 | 0.062 | 0.055 | 0.01 | 3.80 | 5.09 | 5.11 | -0.02 | 4.360 | 0.032 |
| | 11 | 21 | 30.2 | 36.14 | 36.14 | 0.00 | 0.720 | 0.048 | 0.044 | 0.00 | 3.75 | 5.02 | 5.05 | -0.03 | 4.361 | 0.031 |
| | 12 | 5 | 30.2 | 36.14 | 36.13 | 0.01 | 0.664 | 0.031 | 0.047 | -0.02 | 3.73 | 4.99 | 5.06 | -0.09 | 4.363 | 0.029 |
| 97G08 CTD-2 (Sta 31) | 1 | 167 | 15.9 | 36.10 | 36.18 | -0.08 | 0.620 | -999 | 0.010 | -999 | 2.63 | 3.31 | 3.27 | 0.04 | 4.377 | 0.015 |
| | 2 | 154 | 16.5 | 36.18 | 36.18 | 0.00 | 0.648 | -0.005 | 0.019 | -0.02 | 2.60 | 3.27 | 3.26 | -0.01 | 4.362 | 0.010 |
| | 3 | 141 | 17.6 | 36.31 | 36.31 | 0.00 | 0.742 | 0.031 | 0.032 | 0.00 | 2.60 | 3.27 | 3.27 | 0.00 | 4.365 | 0.007 |
| | 4 | 126 | 18.8 | 36.41 | 36.41 | 0.00 | 0.838 | 0.066 | 0.063 | 0.01 | 2.72 | 3.43 | 3.45 | -0.01 | 4.377 | 0.015 |
| | 5 | 111 | 19.9 | 36.44 | 36.42 | 0.01 | 0.830 | 0.065 | 0.057 | 0.01 | 2.98 | 3.79 | 3.78 | 0.01 | 4.365 | 0.027 |
| | 6 | 96 | 20.9 | 36.40 | 36.40 | 0.00 | 1.192 | 0.206 | -999 | -999 | 3.51 | 4.62 | 4.51 | 0.01 | 4.353 | 0.039 |
| | 7 | 81 | 22.0 | 36.47 | 36.47 | 0.00 | 1.321 | 0.256 | 0.270 | -0.01 | 3.74 | 4.83 | 4.78 | 0.05 | 4.326 | 0.066 |
| | 8 | 66 | 23.0 | 36.47 | 36.46 | 0.00 | 1.292 | 0.245 | 0.261 | -0.02 | 4.05 | 5.26 | 5.20 | 0.05 | 4.305 | 0.067 |
| | 9 | 51 | 24.6 | 36.36 | 36.36 | -0.01 | 0.999 | 0.131 | 0.126 | 0.01 | 4.32 | 5.63 | 5.54 | 0.09 | 4.336 | 0.056 |
| | 10 | 36 | 27.5 | 36.26 | 36.26 | 0.00 | 0.965 | 0.116 | 0.135 | -0.02 | 4.25 | 5.53 | 5.55 | -0.02 | 4.335 | 0.057 |
| | 11 | 21 | 29.8 | 35.44 | 35.26 | 0.18 | 0.916 | 0.099 | 0.090 | 0.01 | 3.98 | 5.16 | 5.21 | -0.05 | 4.321 | 0.071 |
| | 12 | 6 | 30.2 | 33.45 | 32.98 | 0.47 | 1.060 | 0.155 | 0.106 | 0.05 | 3.69 | 5.04 | 5.19 | -0.15 | 4.240 | 0.152 |
| 97G08 CTD-3 (Sta 43) | 1 | 170 | 13.9 | 35.79 | -999 | -999 | 0.518 | -999 | -999 | -999 | 2.55 | 3.19 | -999 | -999 | 4.514 | 0.004 |
| | 2 | 158 | 14.6 | 35.90 | 35.90 | 0.00 | 0.640 | 0.000 | 0.003 | 0.00 | 2.56 | 3.20 | 3.20 | 0.00 | 4.516 | 0.003 |
| | 3 | 140 | 15.3 | 36.01 | 36.01 | 0.00 | 0.640 | 0.000 | 0.003 | 0.00 | 2.54 | 3.17 | 3.20 | -0.03 | 4.513 | 0.005 |
| | 4 | 125 | 16.2 | 36.14 | 36.14 | 0.00 | 0.646 | 0.002 | 0.016 | -0.01 | 2.61 | 3.27 | 3.27 | 0.00 | 4.515 | 0.003 |
| | 5 | 110 | 17.1 | 36.25 | 36.24 | 0.00 | 0.800 | 0.053 | 0.047 | 0.01 | 2.60 | 3.25 | 3.20 | 0.05 | 4.513 | 0.005 |
| | 6 | 95 | 18.6 | 36.38 | 36.38 | 0.00 | 0.962 | 0.107 | 0.107 | 0.00 | 2.67 | 3.35 | 3.34 | 0.01 | 4.506 | 0.012 |
| | 7 | 81 | 19.6 | 36.41 | 36.41 | 0.00 | 1.062 | 0.140 | 0.126 | 0.01 | 2.92 | 3.70 | 3.72 | -0.02 | 4.498 | 0.020 |
| | 8 | 65 | 21.6 | 36.49 | 36.47 | 0.02 | 1.286 | 0.214 | 0.234 | -0.02 | 3.62 | 4.67 | 4.65 | 0.02 | 4.478 | 0.040 |
| | 9 | 50 | 23.1 | 36.45 | 36.45 | 0.00 | 1.100 | 0.153 | 0.153 | 0.00 | 4.15 | 5.40 | 5.34 | 0.06 | 4.471 | 0.047 |
| | 10 | 36 | 24.6 | 36.31 | 36.26 | 0.05 | 0.911 | 0.090 | 0.099 | -0.01 | 4.36 | 5.69 | 5.67 | 0.03 | 4.476 | 0.042 |
| | 11 | 21 | 29.1 | 35.83 | -999 | -999 | 0.842 | -999 | -999 | -999 | 4.04 | 5.25 | -999 | -999 | 4.471 | 0.047 |
| | 12 | 6 | 29.3 | 33.75 | 33.71 | 0.04 | 0.939 | 0.099 | 0.072 | 0.03 | 3.69 | 5.04 | 5.16 | -0.12 | 4.425 | 0.093 |
| 97G08 CTD-4 (Sta 62) | 1 | 852 | 4.8 | 34.94 | 34.93 | 0.00 | 0.505 | -999 | -999 | -999 | 3.78 | 4.88 | 4.75 | 0.14 | -999 | -999 |
| | 2 | 157 | 12.5 | 35.57 | 35.57 | 0.00 | 0.523 | -999 | 0.003 | -999 | 2.63 | 3.30 | 3.29 | 0.01 | 4.348 | 0.044 |
| | 3 | 142 | 13.3 | 35.72 | 35.72 | 0.00 | 0.606 | 0.003 | 0.003 | 0.00 | 2.66 | 3.37 | 3.37 | 0.00 | 4.357 | 0.035 |
| | 4 | 127 | 14.8 | 35.92 | 35.93 | -0.01 | 0.585 | -0.005 | 0.010 | -0.01 | 2.76 | 3.48 | 3.49 | -0.01 | 4.364 | 0.028 |
| | 5 | 110 | 16.0 | 36.10 | 36.11 | -0.01 | 0.601 | 0.001 | 0.019 | -0.02 | 2.82 | 3.56 | 3.57 | -0.01 | 4.365 | 0.027 |
| | 6 | 97 | 17.9 | 36.33 | 36.34 | 0.00 | 0.766 | 0.066 | 0.045 | 0.02 | 2.82 | 3.56 | 3.56 | 0.01 | 4.360 | 0.032 |
| | 7 | 81 | 20.2 | 36.51 | 36.50 | 0.00 | 1.087 | 0.166 | 0.117 | 0.05 | 3.09 | 3.93 | 3.93 | 0.00 | 4.346 | 0.046 |
| | 8 | 66 | 21.5 | 36.51 | 36.50 | 0.01 | 1.313 | 0.253 | 0.306 | -0.05 | 3.53 | 4.54 | 4.57 | -0.03 | 4.295 | 0.097 |
| | 9 | 50 | 22.5 | 36.45 | 36.44 | 0.01 | 1.542 | 0.334 | 0.324 | 0.01 | 4.02 | 5.22 | 5.26 | -0.05 | 4.244 | 0.148 |
| | 10 | 35 | 25.7 | 36.35 | 36.35 | 0.00 | 0.897 | 0.106 | 0.117 | -0.01 | 4.32 | 5.63 | 5.60 | 0.03 | 4.305 | 0.087 |
| | 11 | 21 | 28.7 | 36.01 | 36.00 | 0.01 | 0.623 | 0.080 | 0.081 | 0.00 | 4.14 | 5.38 | 5.41 | -0.03 | 4.305 | 0.087 |
| | 12 | 5 | 29.8 | 33.95 | 33.90 | 0.05 | 0.844 | 0.087 | 0.072 | 0.02 | 3.95 | 5.12 | 5.17 | -0.05 | 4.280 | 0.132 |

Upcast Bottle Data spreadsheet (Appendix 4 for Chapter 2) of salinity, chlorophyll, oxygen, and beam attenuation for RV Gyre cruise 97G06

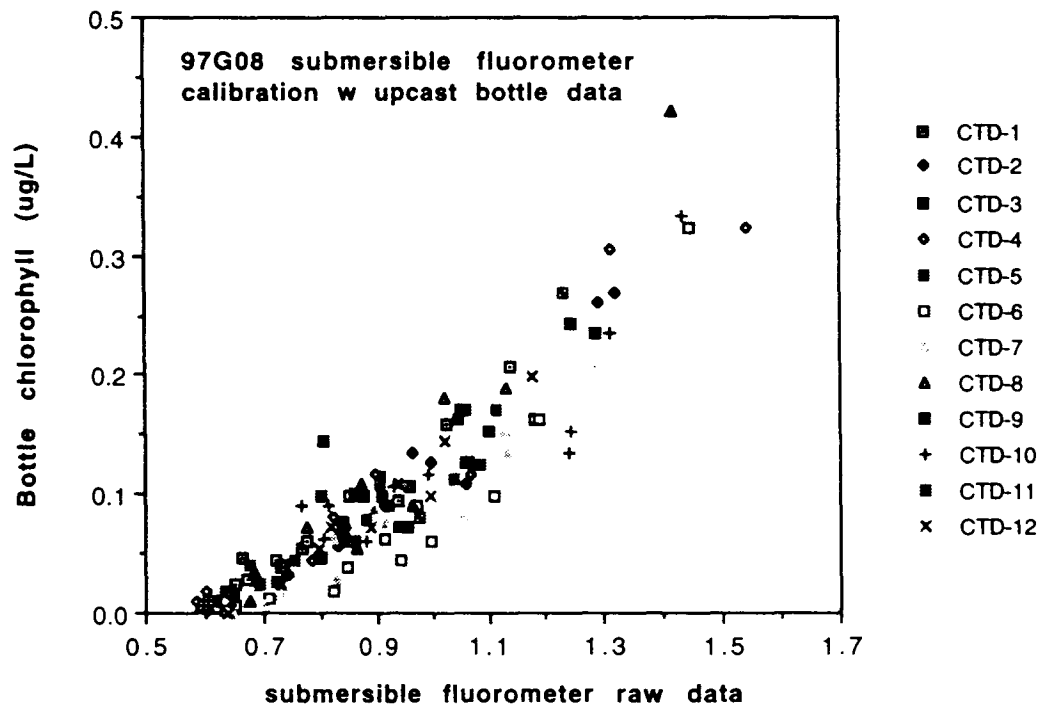
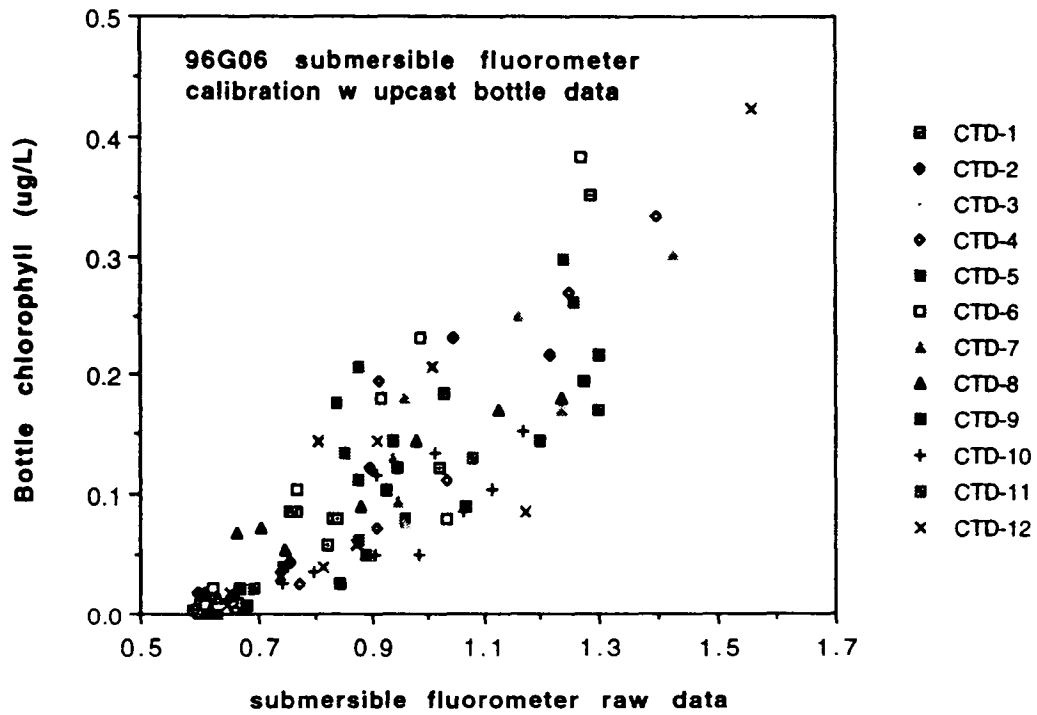
| CTD & Sta # | Bottle # | Trip Depth | CTD Temp | CTD Salin | Bottle Salin | Salin error | Fluor volts | calc Chl | Bottle Chl | Chl error | raw DO | calib DO | Bottle DO | DO error | Xmiles volts | volts > min |
|--------------------------|----------|------------|----------|-----------|--------------|-------------|-------------|----------|------------|-----------|--------|----------|-----------|----------|--------------|-------------|
| 97G06 CTD-5 (Sta 83) | 1 | 167 | 25.5 | 36.59 | 36.59 | 0.00 | 0.676 | 0.022 | 0.041 | -0.02 | 3.67 | 4.69 | 4.64 | 0.05 | 4.365 | 0.027 |
| | 2 | 155 | 25.9 | 36.46 | 36.47 | 0.00 | 0.661 | 0.079 | 0.101 | -0.02 | 3.66 | 4.71 | 4.66 | 0.02 | 4.363 | 0.029 |
| | 3 | 140 | 26.3 | 36.31 | 36.32 | 0.00 | 1.036 | 0.133 | 0.113 | 0.02 | 3.82 | 4.90 | 4.90 | 0.01 | 4.359 | 0.033 |
| | 4 | 126 | 26.6 | 36.22 | 36.23 | 0.00 | 1.115 | 0.157 | 0.171 | -0.01 | 3.95 | 5.09 | 5.06 | 0.02 | 4.359 | 0.033 |
| | 5 | 111 | 26.9 | 36.14 | 36.14 | 0.00 | 1.087 | 0.146 | 0.124 | 0.02 | 4.08 | 5.28 | 5.26 | 0.02 | 4.358 | 0.034 |
| | 6 | 96 | 27.3 | 36.10 | 36.11 | 0.00 | 1.060 | 0.140 | 0.170 | -0.03 | 4.13 | 5.36 | 5.36 | -0.02 | 4.352 | 0.040 |
| | 7 | 81 | 27.7 | 36.08 | 36.09 | -0.01 | 0.922 | 0.096 | 0.090 | 0.01 | 4.23 | 5.50 | 5.43 | 0.07 | 4.352 | 0.040 |
| | 8 | 67 | 28.2 | 36.08 | 36.08 | 0.00 | 0.882 | 0.085 | 0.079 | 0.01 | 4.24 | 5.51 | 5.50 | 0.01 | 4.349 | 0.043 |
| | 9 | 50 | 29.0 | 36.06 | 36.06 | 0.00 | 0.755 | 0.047 | 0.044 | 0.00 | 4.19 | 5.44 | 5.49 | -0.06 | 4.361 | 0.031 |
| | 10 | 36 | 30.1 | 36.10 | 36.10 | 0.00 | 0.725 | 0.037 | 0.027 | 0.01 | 3.91 | 5.04 | 5.10 | -0.06 | 4.363 | 0.029 |
| | 11 | 21 | 30.2 | 36.11 | 36.12 | 0.00 | 0.720 | 0.036 | 0.027 | 0.01 | 3.86 | 4.97 | 5.04 | -0.07 | 4.360 | 0.032 |
| | 12 | 5 | 30.3 | 36.13 | 36.12 | 0.00 | 0.692 | 0.027 | 0.025 | 0.00 | 3.85 | 4.95 | -999 | -999 | 4.363 | 0.029 |
| 97G06 CTD-6 (Sta 94) | 1 | 172 | 15.1 | 35.98 | 35.98 | 0.00 | 0.632 | -0.033 | 0.003 | -0.04 | 2.86 | 3.33 | 3.36 | -0.02 | 4.369 | 0.023 |
| | 2 | 155 | 15.6 | 36.06 | 36.06 | 0.00 | 0.651 | -0.026 | 0.006 | -0.03 | 2.82 | 3.29 | 3.26 | 0.04 | 4.375 | 0.017 |
| | 3 | 140 | 16.3 | 36.18 | 36.18 | 0.00 | 0.707 | -0.006 | 0.013 | -0.02 | 2.95 | 3.46 | 3.54 | -0.09 | 4.379 | 0.013 |
| | 4 | 125 | 17.2 | 36.30 | 36.30 | 0.00 | 0.824 | 0.036 | 0.019 | 0.02 | 2.98 | 3.49 | -999 | -999 | 4.383 | 0.009 |
| | 5 | 111 | 18.5 | 36.39 | 36.40 | 0.00 | 0.846 | 0.044 | 0.038 | 0.01 | 2.75 | 3.20 | 3.30 | -0.10 | 4.382 | 0.010 |
| | 6 | 96 | 19.8 | 36.42 | 36.42 | 0.00 | 0.998 | 0.099 | 0.060 | 0.04 | 3.12 | 3.67 | 3.46 | 0.20 | 4.371 | 0.021 |
| | 7 | 81 | 20.7 | 36.37 | 36.38 | -0.01 | 1.110 | 0.139 | 0.099 | 0.04 | 3.72 | 4.41 | 4.05 | 0.36 | 4.365 | 0.027 |
| | 8 | 66 | 21.5 | 36.37 | 36.36 | 0.01 | 1.446 | 0.260 | 0.324 | -0.06 | 4.24 | 5.06 | 5.22 | -0.17 | 4.342 | 0.050 |
| | 9 | 51 | 22.6 | 36.31 | 36.31 | -0.01 | 1.188 | 0.167 | 0.162 | 0.01 | 4.55 | 5.45 | 5.30 | 0.15 | 4.337 | 0.055 |
| | 10 | 36 | 24.7 | 36.29 | 36.30 | -0.01 | 0.971 | 0.089 | 0.090 | 0.00 | 4.52 | 5.40 | 5.03 | 0.37 | 4.343 | 0.049 |
| | 11 | 21 | 27.1 | 35.46 | 35.51 | -0.05 | 0.915 | 0.069 | 0.063 | 0.01 | 4.39 | 5.25 | 5.60 | -0.36 | 4.333 | 0.059 |
| | 12 | 6 | 30.0 | 33.56 | 33.57 | -0.01 | 0.943 | 0.079 | 0.045 | 0.03 | 4.05 | 4.82 | 5.20 | -0.37 | 4.276 | 0.114 |
| 97G06 CTD-7 (Sta 110) | 1 | 170 | 15.5 | 36.03 | 36.04 | -0.01 | 0.645 | -0.007 | 0.001 | -0.01 | 2.71 | 3.35 | 3.26 | 0.09 | 4.352 | 0.040 |
| | 2 | 155 | 16.3 | 36.16 | 36.17 | -0.01 | 0.699 | 0.010 | 0.006 | 0.00 | 2.71 | 3.36 | 3.32 | 0.03 | 4.358 | 0.034 |
| | 3 | 140 | 17.3 | 36.28 | 36.29 | 0.00 | 0.732 | 0.020 | 0.016 | 0.00 | 2.70 | 3.35 | 3.32 | 0.03 | 4.364 | 0.028 |
| | 4 | 125 | 18.1 | 36.36 | 36.36 | 0.00 | 0.825 | 0.049 | 0.028 | 0.02 | 2.66 | 3.32 | 3.34 | -0.02 | 4.366 | 0.026 |
| | 5 | 109 | 20.1 | 36.53 | 36.53 | 0.00 | 1.050 | 0.120 | 0.082 | 0.04 | 2.95 | 3.67 | 3.74 | -0.07 | 4.338 | 0.054 |
| | 6 | 95 | 20.8 | 36.44 | 36.42 | 0.02 | 1.131 | 0.145 | 0.135 | 0.01 | 3.54 | 4.44 | 4.56 | -0.12 | 4.357 | 0.035 |
| | 7 | 81 | 21.4 | 36.33 | 36.33 | 0.00 | 1.280 | 0.192 | 0.207 | -0.01 | 4.15 | 5.23 | 5.30 | -0.06 | 4.337 | 0.055 |
| | 8 | 66 | 22.3 | 36.33 | 36.34 | 0.00 | 1.126 | 0.144 | 0.153 | -0.01 | 4.49 | 5.67 | 5.63 | 0.04 | 4.333 | 0.059 |
| | 9 | 50 | 23.4 | 36.29 | 36.29 | 0.00 | 0.949 | 0.088 | 0.108 | -0.02 | 4.64 | 5.87 | 5.88 | 0.00 | 4.336 | 0.056 |
| | 10 | 35 | 25.0 | 36.34 | 36.34 | -0.01 | 0.695 | 0.071 | 0.088 | -0.02 | 4.50 | 5.68 | 5.60 | 0.09 | 4.326 | 0.064 |
| | 11 | 20 | 26.2 | 36.10 | 36.09 | 0.01 | 0.820 | 0.048 | 0.063 | -0.02 | 4.27 | 5.39 | 5.36 | 0.01 | 4.326 | 0.066 |
| | 12 | 6 | 30.1 | 33.33 | 33.37 | -0.04 | 0.916 | 0.076 | 0.076 | 0.00 | 4.10 | 5.17 | 5.17 | 0.00 | 4.254 | 0.136 |
| 97G06 CTD-8 (Sta 130) | 1 | 169 | 14.0 | 35.81 | 35.81 | 0.00 | 0.543 | -999 | 0.003 | -999 | 2.64 | 3.21 | 3.21 | 0.00 | 4.347 | 0.045 |
| | 2 | 154 | 14.7 | 35.91 | 35.91 | 0.00 | 0.590 | -0.036 | 0.006 | -0.04 | 2.65 | 3.22 | 3.22 | 0.00 | 4.360 | 0.032 |
| | 3 | 140 | 15.2 | 35.99 | 35.99 | 0.00 | 0.676 | 0.005 | 0.010 | 0.00 | 2.67 | 3.24 | 3.17 | 0.07 | 4.365 | 0.027 |
| | 4 | 125 | 16.6 | 36.17 | 36.17 | -0.01 | 0.686 | 0.010 | 0.035 | -0.02 | 2.63 | 3.19 | 3.23 | -0.03 | 4.365 | 0.027 |
| | 5 | 111 | 17.5 | 36.31 | 36.31 | 0.00 | 0.853 | 0.091 | 0.060 | 0.03 | 2.78 | 3.39 | 3.37 | 0.02 | 4.371 | 0.021 |
| | 6 | 96 | 19.2 | 36.48 | 36.48 | 0.00 | 0.965 | 0.145 | 0.090 | 0.06 | 2.95 | 3.62 | 3.57 | 0.04 | 4.364 | 0.028 |
| | 7 | 82 | 20.3 | 36.47 | 36.46 | 0.01 | 1.133 | 0.227 | 0.189 | 0.04 | 3.23 | 3.99 | 4.05 | -0.06 | 4.346 | 0.046 |
| | 8 | 66 | 21.5 | 36.41 | 36.41 | 0.00 | 1.414 | 0.363 | 0.422 | -0.06 | 3.81 | 4.77 | 4.75 | 0.02 | 4.291 | 0.101 |
| | 9 | 51 | 23.9 | 36.41 | 36.42 | 0.00 | 1.022 | 0.173 | 0.181 | -0.01 | 4.38 | 5.54 | 5.45 | 0.08 | 4.330 | 0.062 |
| | 10 | 35 | 25.7 | 36.39 | 36.39 | 0.00 | 0.872 | 0.100 | 0.108 | -0.01 | 4.46 | 5.64 | 5.57 | 0.06 | 4.328 | 0.064 |
| | 11 | 20 | 26.8 | 35.93 | 35.92 | 0.01 | 0.774 | 0.053 | 0.072 | -0.02 | 4.33 | 5.47 | 5.42 | 0.05 | 4.336 | 0.056 |
| | 12 | 5 | 30.7 | 33.75 | 33.68 | 0.07 | 0.663 | 0.096 | 0.054 | 0.04 | 4.05 | 5.10 | 5.34 | -0.23 | 4.276 | 0.116 |

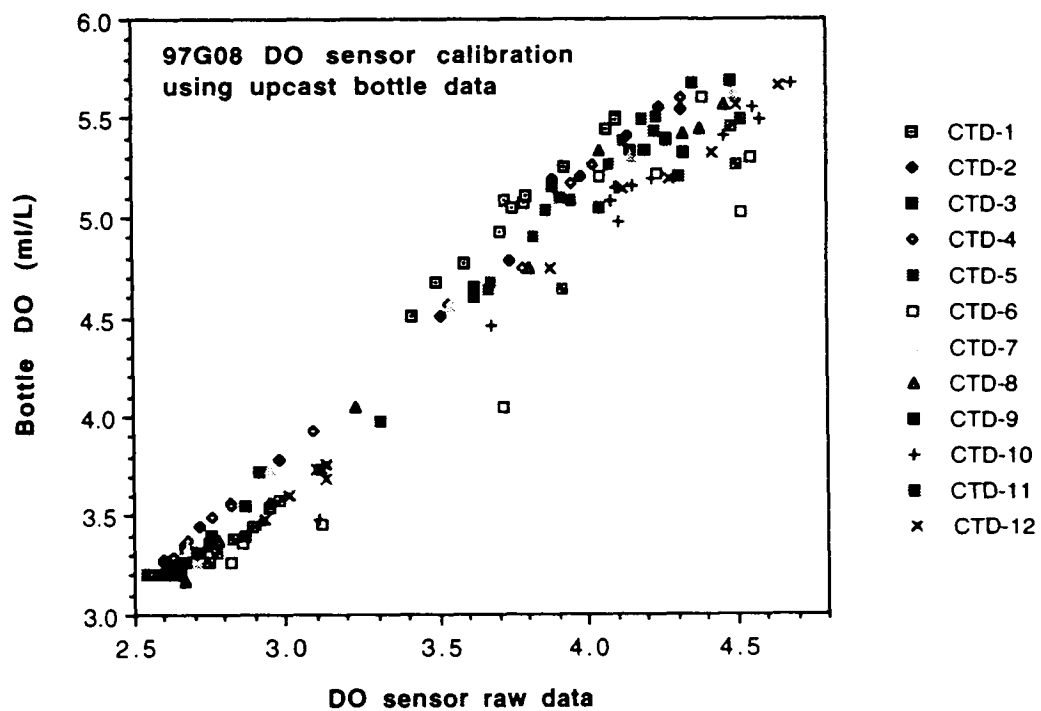
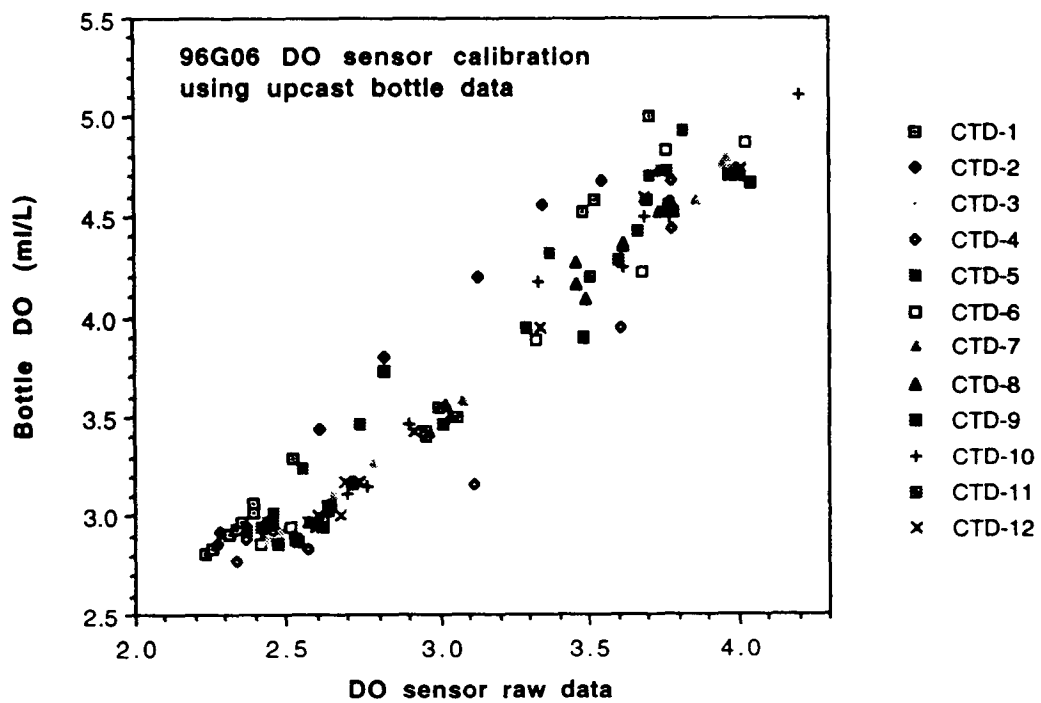
Upcast Bottle Data spreadsheet (Appendix 4 for Chapter 2) of salinity, chlorophyll, oxygen, and beam attenuation for R/V Gyre cruise 97G06

| CTD & Sta # | Bottle # | Trip Depth | CTD Temp | CTD Salin | Bottle Salin | Salin error | Fluor volts | calc Chl | Bottle Chl | Chl error | raw DO | calc DO | Bottle DO | DO error | Xmiss volts | volts > min |
|---------------------------|----------|------------|----------|-----------|--------------|-------------|-------------|----------|------------|-----------|--------|---------|-----------|----------|-------------|-------------|
| 97G08 CTD-9 (Sta 147) | 1 | 170 | 14.6 | 35.90 | 35.90 | 0.00 | 0.526 | -999 | 0.003 | -999 | 2.65 | 3.24 | 3.20 | 0.03 | 4.309 | 0.083 |
| | 2 | 155 | 15.3 | 36.00 | 36.00 | 0.00 | 0.542 | -999 | 0.006 | -999 | 2.67 | 3.27 | 3.26 | 0.01 | 4.321 | 0.071 |
| | 3 | 140 | 15.9 | 36.09 | 36.10 | -0.01 | 0.536 | -999 | 0.006 | -999 | 2.71 | 3.32 | 3.31 | 0.01 | 4.339 | 0.053 |
| | 4 | 125 | 16.8 | 36.22 | 36.22 | 0.00 | 0.616 | 0.014 | 0.010 | 0.00 | 2.76 | 3.39 | 3.40 | -0.01 | 4.348 | 0.044 |
| | 5 | 110 | 17.8 | 36.31 | 36.33 | -0.01 | 0.734 | 0.052 | 0.041 | 0.01 | 2.75 | 3.37 | 3.36 | 0.02 | 4.358 | 0.034 |
| | 6 | 95 | 19.2 | 36.42 | 36.42 | 0.00 | 0.839 | 0.086 | 0.076 | 0.01 | 2.87 | 3.53 | 3.56 | -0.04 | 4.355 | 0.037 |
| | 7 | 80 | 20.9 | 36.41 | 36.41 | 0.00 | 1.066 | 0.160 | 0.126 | 0.03 | 3.62 | 4.52 | 4.60 | -0.09 | 4.328 | 0.064 |
| | 8 | 65 | 22.1 | 36.44 | 36.44 | 0.00 | 1.245 | 0.218 | 0.243 | -0.03 | 4.05 | 5.09 | 5.05 | 0.04 | 4.310 | 0.082 |
| | 9 | 50 | 23.0 | 36.36 | 36.31 | 0.05 | 1.053 | 0.155 | 0.171 | -0.02 | 4.49 | 5.66 | 5.69 | -0.03 | 4.315 | 0.077 |
| | 10 | 35 | 26.0 | 36.43 | 36.45 | -0.02 | 0.877 | 0.098 | 0.099 | 0.00 | 4.33 | 5.46 | 5.33 | 0.13 | 4.320 | 0.072 |
| | 11 | 20 | 29.4 | 35.92 | 35.97 | -0.05 | 0.807 | 0.076 | 0.144 | -0.07 | 4.27 | 5.37 | 5.40 | -0.03 | 4.313 | 0.079 |
| | 12 | 5 | 30.9 | 31.66 | 31.47 | 0.19 | 0.955 | 0.124 | 0.072 | 0.05 | 4.20 | 5.29 | 5.34 | -0.05 | 4.186 | 0.206 |
| 97G08 CTD-10 (Sta 154) | 1 | 88 | 19.3 | 36.36 | 36.35 | 0.01 | 1.241 | 0.199 | 0.135 | 0.06 | 2.92 | 3.42 | 3.46 | -0.04 | 4.260 | 0.112 |
| | 2 | 76 | 19.7 | 36.39 | 36.38 | 0.01 | 1.245 | 0.200 | 0.153 | 0.05 | 3.11 | 3.69 | 3.48 | 0.20 | 4.338 | 0.054 |
| | 3 | 68 | 20.9 | 36.41 | 36.41 | 0.00 | 1.311 | 0.221 | 0.234 | -0.01 | 3.68 | 4.42 | 4.46 | -0.03 | 4.319 | 0.073 |
| | 4 | 60 | 21.6 | 36.38 | 36.38 | 0.00 | 1.432 | 0.260 | 0.333 | -0.07 | 4.11 | 4.99 | 4.97 | 0.02 | 4.272 | 0.120 |
| | 5 | 50 | 22.7 | 36.33 | 36.34 | -0.01 | 0.995 | 0.120 | 0.117 | 0.00 | 4.69 | 5.76 | 5.67 | 0.09 | 4.325 | 0.067 |
| | 6 | 41 | 24.4 | 36.45 | 36.44 | 0.01 | 0.93 | 0.100 | 0.107 | -0.01 | 4.46 | 5.46 | 5.41 | 0.05 | 4.327 | 0.065 |
| | 7 | 31 | 26.2 | 36.33 | 36.33 | 0.00 | 0.813 | 0.062 | 0.091 | -0.03 | 4.58 | 5.61 | 5.49 | 0.11 | 4.327 | 0.065 |
| | 8 | 21 | 28.0 | 36.19 | 36.12 | 0.08 | 0.766 | 0.047 | 0.091 | -0.04 | 4.56 | 5.66 | 5.55 | 0.03 | 4.320 | 0.072 |
| | 9 | 11 | 30.1 | 34.63 | 34.48 | 0.14 | 0.805 | 0.080 | 0.063 | 0.00 | 4.22 | 5.14 | 5.19 | -0.05 | 4.311 | 0.081 |
| | 10 | 5 | 30.1 | 34.12 | 34.11 | 0.00 | 0.891 | 0.078 | 0.060 | 0.02 | 4.18 | 5.05 | 5.16 | -0.11 | 4.293 | 0.099 |
| | 11 | 1 | 30.4 | 33.62 | 33.60 | 0.02 | 0.866 | 0.079 | 0.060 | 0.02 | 4.09 | 4.96 | 5.08 | -0.11 | 4.300 | 0.092 |
| | 12 | 1 | 30.3 | 33.91 | 33.82 | 0.09 | 0.882 | 0.084 | 0.060 | 0.02 | 4.10 | 4.97 | 5.14 | -0.16 | 4.300 | 0.092 |
| 97G08 CTD-11 (Sta 160) | 1 | 171 | 15.3 | 36.02 | 36.02 | 0.00 | 0.477 | -999 | 0.006 | -999 | 2.89 | 3.44 | 3.44 | 0.00 | 4.293 | 0.099 |
| | 2 | 158 | 15.9 | 36.09 | 36.09 | 0.00 | 0.597 | -0.002 | 0.006 | -0.01 | 2.83 | 3.37 | 3.38 | -0.01 | 4.326 | 0.066 |
| | 3 | 140 | 16.5 | 36.18 | 36.18 | 0.00 | 0.603 | 0.000 | 0.010 | -0.01 | 2.77 | 3.30 | 3.31 | -0.01 | 4.315 | 0.077 |
| | 4 | 125 | 16.9 | 36.22 | 36.24 | -0.02 | 0.634 | 0.012 | 0.019 | -0.01 | 2.75 | 3.27 | 3.26 | 0.01 | 4.324 | 0.068 |
| | 5 | 110 | 17.9 | 36.37 | 36.37 | 0.00 | 0.729 | 0.047 | 0.038 | 0.01 | 2.87 | 3.42 | 3.40 | 0.02 | 4.341 | 0.051 |
| | 6 | 95 | 19.4 | 36.51 | 36.52 | -0.01 | 0.839 | 0.088 | 0.069 | 0.02 | 2.98 | 3.56 | 3.58 | -0.02 | 4.355 | 0.037 |
| | 7 | 81 | 20.4 | 36.49 | 36.50 | 0.00 | 0.978 | 0.139 | 0.081 | 0.06 | 3.31 | 3.96 | 3.98 | -0.02 | 4.346 | 0.044 |
| | 8 | 65 | 21.6 | 36.48 | 36.54 | -0.06 | 1.233 | 0.233 | 0.270 | -0.04 | 3.92 | 4.70 | 4.64 | 0.06 | 4.314 | 0.078 |
| | 9 | 50 | 23.0 | 36.40 | 36.41 | -0.01 | 1.046 | 0.164 | 0.162 | 0.00 | 4.49 | 5.38 | 5.46 | -0.08 | 4.320 | 0.072 |
| | 10 | 35 | 24.9 | 36.44 | 36.47 | -0.04 | 0.904 | 0.112 | 0.108 | 0.00 | 4.50 | 5.40 | 5.27 | 0.13 | 4.317 | 0.075 |
| | 11 | 20 | 28.3 | 36.16 | 36.18 | -0.02 | 0.803 | 0.074 | 0.099 | -0.02 | 4.52 | 5.43 | 5.49 | -0.06 | 4.319 | 0.073 |
| | 12 | 5 | 30.9 | 32.64 | 32.69 | -0.06 | 0.844 | -999 | -999 | -999 | 4.31 | 5.17 | 5.20 | -0.02 | 4.243 | 0.149 |
| 97G08 CTD-12 (Sta 180) | 1 | 170 | 15.5 | 36.06 | 36.06 | 0.00 | 0.639 | 0.000 | 0.000 | 0.00 | 3.13 | 3.74 | 3.69 | 0.05 | 4.346 | 0.046 |
| | 2 | 156 | 16.0 | 36.13 | 36.13 | 0.00 | 0.542 | -999 | 0.003 | -999 | 3.12 | 3.73 | 3.73 | 0.01 | 4.348 | 0.044 |
| | 3 | 140 | 16.5 | 36.21 | 36.21 | 0.00 | 0.643 | 0.001 | 0.010 | -0.01 | 3.10 | 3.71 | 3.74 | -0.03 | 4.359 | 0.033 |
| | 4 | 126 | 17.3 | 36.30 | 36.30 | 0.00 | 0.728 | 0.031 | 0.025 | 0.01 | 2.93 | 3.49 | 3.48 | 0.00 | 4.361 | 0.031 |
| | 5 | 111 | 18.4 | 36.44 | 36.44 | 0.00 | 0.797 | 0.055 | 0.054 | 0.00 | 3.01 | 3.59 | 3.60 | -0.01 | 4.363 | 0.029 |
| | 6 | 95 | 19.4 | 36.43 | 36.43 | 0.00 | 0.841 | 0.070 | 0.069 | 0.00 | 3.13 | 3.75 | 3.76 | -0.01 | 4.360 | 0.032 |
| | 7 | 80 | 20.7 | 36.36 | 36.37 | 0.00 | 0.999 | 0.125 | 0.099 | 0.03 | 3.68 | 4.72 | 4.75 | -0.03 | 4.346 | 0.046 |
| | 8 | 65 | 21.7 | 36.39 | 36.39 | 0.00 | 1.178 | 0.187 | 0.198 | -0.01 | 4.28 | 5.23 | 5.19 | 0.04 | 4.326 | 0.066 |
| | 9 | 50 | 22.6 | 36.34 | 36.34 | 0.00 | 1.023 | 0.133 | 0.144 | -0.01 | 4.65 | 5.71 | 5.66 | 0.05 | 4.339 | 0.053 |
| | 10 | 36 | 24.8 | 36.45 | 36.46 | -0.01 | 0.941 | 0.105 | 0.108 | 0.00 | 4.42 | 5.40 | 5.33 | 0.07 | 4.332 | 0.060 |
| | 11 | 20 | 27.1 | 35.68 | 35.60 | 0.08 | 0.819 | 0.062 | 0.072 | -0.01 | 4.60 | 5.51 | 5.57 | -0.06 | 4.328 | 0.064 |
| | 12 | 6 | 30.5 | 33.76 | 33.74 | 0.02 | 0.89 | 0.087 | 0.072 | 0.01 | 4.13 | 5.03 | 5.14 | -0.11 | 4.297 | 0.095 |

First order polynomial fit to submersible fluorometer and DO sensor data (Appendix 5 for Chapter 2) for R/V Gyre cruises 96G06 and 97G08

| Cruise | CTD & Sta # | first-order fit | to profiling | fluorometer data: | first-order fit | to profiling | DO sensor data: |
|--------|--------------|-----------------|---------------|-------------------|-----------------|---------------|-----------------|
| | | slope (m) | intercept (b) | r2 | slope (m) | intercept (b) | r2 |
| 96G06 | 1 (Sta 12) | 0.58622 | -0.423 | 0.934 (n=6) | 1.4249 | -0.364 | 0.996 (n=12) |
| | 2 (Sta 19) | 0.38429 | -0.222 | 0.923 (n=7) | 1.4583 | -0.389 | 0.992 (n=7) |
| | 3 (Sta 42) | 0.43735 | -0.212 | [all data: 1+2] | 1.4455 | -0.345 | [all data: 1+2] |
| | 4 (Sta 58) | 0.42557 | -0.273 | 0.886 (n=8) | 1.0978 | 0.190 | 0.911 (n=11) |
| | 5 (Sta 77) | 0.41715 | -0.244 | 0.789 (n=11) | 1.3521 | -0.294 | 0.996 (n=12) |
| | 6 (Sta 87) | 0.48980 | -0.291 | 0.813 (n=9) | 1.2763 | -0.286 | 0.978 (n=12) |
| | 7 (Sta 103) | 0.35191 | -0.211 | 0.808 (n=8) | 1.2391 | -0.167 | 0.998 (n=10) |
| | 8 (Sta 129) | 0.28025 | -0.150 | 0.916 (n=10) | 1.4017 | -0.710 | 0.988 (n=12) |
| | 9 (Sta 147) | 0.30556 | -0.190 | 0.845 (n=9) | 1.2387 | -0.238 | 0.986 (n=12) |
| | 10 (Sta 157) | 0.22897 | -0.136 | 0.725 (n=11) | 1.3264 | -0.443 | 0.989 (n=12) |
| | 11 (Sta 188) | 0.20984 | -0.100 | 0.817 (n=9) | 1.3647 | -0.606 | 0.992 (n=12) |
| | 12 (Sta 210) | 0.40065 | -0.251 | 0.776 (n=10) | 1.2662 | -0.287 | 0.990 (n=12) |
| | | | | ensemble n=98 | | | ensemble n=124 |
| 97G08 | 1 (Sta 19) | 0.30969 | -0.175 | 0.925 (n=12) | 1.3777 | -0.147 | 0.987 (n=12) |
| | 2 (Sta 31) | 0.38841 | -0.257 | 0.946 (n=10) | 1.3706 | -0.295 | 0.996 (n=12) |
| | 3 (Sta 43) | 0.33164 | -0.212 | 0.966 (n=10) | 1.3856 | -0.348 | 0.998 (n=10) |
| | 4 (Sta 62) | 0.35429 | -0.212 | 0.945 (n=10) | 1.3782 | -0.325 | 0.997 (n=12) |
| | 5 (Sta 83) | 0.30540 | -0.184 | 0.896 (n=12) | 1.4491 | -0.628 | 0.977 (n=11) |
| | 6 (Sta 94) | 0.35977 | -0.260 | 0.873 (n=12) | 1.2441 | -0.219 | 0.929 (n=11) |
| | 7 (Sta 110) | 0.31422 | -0.210 | 0.925 (n=12) | 1.3011 | -0.168 | 0.996 (n=12) |
| | 8 (Sta 130) | 0.48425 | -0.322 | 0.904 (n=11) | 1.3382 | -0.329 | 0.992 (n=12) |
| | 9 (Sta 147) | 0.32426 | -0.186 | 0.762 (n=9) | 1.3175 | -0.250 | 0.997 (n=12) |
| | 10 (Sta 154) | 0.31891 | -0.197 | 0.789 (n=12) | 1.3193 | -0.430 | 0.981 (n=12) |
| | 11 (Sta 160) | 0.37012 | -0.223 | 0.900 (n=10) | 1.2152 | -0.067 | 0.997 (n=12) |
| | 12 (sta 180) | 0.37419 | -0.222 | 0.961 (n=11) | 1.2856 | -0.274 | 0.996 (n=12) |
| | | | | ensemble n=131 | | | ensemble n=140 |





Upcast Bottle Data spreadsheet (Appendix 6 for Chapter 2) for autoanalyzer nutrient analyses for R/V Gyre cruise 96G06

| CTD & Sta # | Bottle # | Trip Depth | comments | PO4 | NO3 | NO2 | SiOH4 |
|-------------|----------|------------|----------|--------|--------|------|--------|
| 96G06 CTD-1 | 1 | 250 | | [1.63] | [26.7] | 0.02 | [14.0] |
| (Sta 12) | 2 | 225 | | [1.32] | [20.4] | 0.03 | [9.1] |
| | 3 | 200 | | [1.16] | [18.2] | 0.03 | [7.8] |
| | 4 | 175 | | 1.29 | 21.7 | 0.05 | 9.4 |
| | 5 | 151 | | 1.11 | 18.0 | 0.05 | 7.4 |
| | 6 | 125 | | 0.94 | 15.9 | 0.07 | 6.2 |
| | 7 | 101 | | 0.76 | 13.5 | 0.07 | 4.5 |
| | 8 | 81 | | 0.62 | 7.8 | 0.10 | 1.9 |
| | 9 | 60 | | 0.27 | 3.0 | 0.22 | [0.4] |
| | 10 | 40 | | 0.15 | 0.4 | 0.01 | 1.6 |
| | 11 | 20 | | 0.05 | 0.4 | 0.05 | 1.3 |
| | 12 | 3 | | [0.51] | 0.4 | 0.05 | 1.4 |
| 96G06 CTD-2 | 1 | 252 | | 1.01 | 17.6 | 0.03 | 7.0 |
| (Sta 19) | 2 | 228 | | 0.85 | 15.4 | 0.03 | 5.7 |
| | 3 | 200 | | 0.40 | 6.6 | 0.03 | 1.8 |
| | 4 | 176 | | [0.94] | 3.7 | 0.05 | 1.6 |
| | 5 | 151 | | [1.39] | 2.7 | 0.06 | [3.1] |
| | 6 | 122 | | 0.09 | 0.7 | 0.07 | 0.8 |
| | 7 | 101 | | 0.02 | 0.3 | 0.03 | 0.8 |
| | 8 | 77 | | 0.10 | 0.2 | 0.02 | 0.9 |
| | 9 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 10 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 11 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 12 | -999 | no trip | -999 | -999 | -999 | -999 |
| 96G06 CTD-3 | 1 | -999 | no trip | -999 | -999 | -999 | -999 |
| (Sta 42) | 2 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 3 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 4 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 5 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 6 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 7 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 8 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 9 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 10 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 11 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 12 | -999 | no trip | -999 | -999 | -999 | -999 |
| 96G06 CTD-4 | 1 | 224 | | [1.13] | [17.1] | 0.03 | [7.6] |
| (Sta 58) | 2 | 199 | | [1.12] | [20.9] | 0.03 | [9.7] |
| | 3 | 176 | | [1.01] | [14.9] | 0.03 | [6.3] |
| | 4 | 151 | | 1.04 | 16.9 | 0.04 | 7.3 |
| | 5 | 124 | | 0.96 | 16.6 | 0.03 | 6.8 |
| | 6 | 105 | | 0.87 | 15.7 | 0.04 | 6.0 |
| | 7 | 90 | | [0.76] | [13.8] | 0.05 | [5.1] |
| | 8 | 75 | | 0.58 | 10.1 | 0.05 | 4.2 |
| | 9 | 60 | | 0.27 | 3.8 | 0.06 | 2.5 |
| | 10 | 48 | | 0.09 | 0.3 | 0.33 | 2.2 |
| | 11 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 12 | 10 | | 0.10 | 0.3 | 0.02 | 0.8 |

Upcast Bottle Data spreadsheet (Appendix 6 for Chapter 2) for autoanalyzer nutrient analyses for R/V Gyre cruise 96G06

| CTD & Sta # | Bottle # | Trip Depth | comments | PO4 | NO3 | NO2 | SiOH4 |
|--------------------------|----------|------------|----------|--------|--------|------|-------|
| 96G06 CTD-5 (Sta 77) | 1 | 225 | | [1.18] | [21.0] | 0.04 | [8.6] |
| | 2 | 199 | | [0.86] | [14.3] | 0.03 | [5.0] |
| | 3 | 176 | | 0.96 | 17.3 | 0.03 | 7.2 |
| | 4 | 150 | | [0.73] | [11.9] | 0.03 | [4.1] |
| | 5 | 126 | | 0.76 | 14.1 | 0.04 | 5.1 |
| | 6 | 106 | | 0.52 | 9.9 | 0.06 | 3.2 |
| | 7 | 91 | | 0.37 | 6.9 | 0.07 | 2.4 |
| | 8 | 75 | | 0.07 | 0.6 | 0.26 | 1.6 |
| | 9 | 60 | | 0.01 | 0.1 | 0.03 | 1.0 |
| | 10 | 45 | | 0.01 | 0.1 | 0.03 | 1.0 |
| | 11 | 31 | | 0.01 | 0.1 | 0.03 | 1.0 |
| | 12 | 5 | | 0.01 | 0.1 | 0.00 | 1.4 |
| 96G06 CTD-6 (Sta 87) | 1 | 850 | | 1.82 | 27.9 | 0.04 | 26.8 |
| | 2 | 201 | | 1.45 | 24.1 | 0.05 | 11.2 |
| | 3 | 176 | | 1.34 | 22.5 | 0.06 | 9.5 |
| | 4 | 151 | | 1.18 | 20.4 | 0.05 | 7.9 |
| | 5 | 126 | | 0.90 | 14.6 | 0.04 | 5.0 |
| | 6 | 106 | | 0.77 | 13.9 | 0.06 | 4.3 |
| | 7 | 92 | | 0.73 | 11.9 | 0.06 | 3.5 |
| | 8 | 75 | | 0.55 | 9.6 | 0.08 | 2.5 |
| | 9 | 60 | | 0.20 | 2.6 | 0.20 | 1.3 |
| | 10 | 45 | | 0.02 | 0.0 | 0.04 | [4.1] |
| | 11 | 30 | | 0.05 | 0.0 | 0.05 | 0.8 |
| | 12 | 11 | | 0.02 | 0.2 | 0.03 | 1.3 |
| 96G06 CTD-7 (Sta 103) | 1 | 851 | | 2.00 | 30.8 | 0.04 | 26.2 |
| | 2 | 202 | | 1.12 | 19.4 | 0.04 | 7.7 |
| | 3 | 172 | | 0.98 | 17.2 | 0.04 | 6.0 |
| | 4 | 151 | | [0.67] | [10.6] | 0.04 | [2.7] |
| | 5 | -999 | no trip | -999 | -999 | -999 | -999 |
| | 6 | 100 | | 0.53 | 10.1 | 0.09 | 2.6 |
| | 7 | 75 | | 0.18 | 2.6 | 0.19 | 1.2 |
| | 8 | 60 | | 0.03 | 0.0 | 0.14 | 0.3 |
| | 9 | 51 | | 0.03 | 0.1 | 0.05 | 0.6 |
| | 10 | 31 | | 0.03 | 0.0 | 0.05 | 0.5 |
| | 11 | 21 | | 0.04 | 0.1 | 0.04 | 0.9 |
| | 12 | 11 | | 0.06 | 0.2 | 0.04 | 1.0 |
| 96G06 CTD-8 (Sta 129) | 1 | 251 | | 0.44 | 9.4 | 0.02 | 1.9 |
| | 2 | 222 | | 0.37 | 7.5 | 0.02 | 1.6 |
| | 3 | 199 | | [0.25] | [4.8] | 0.02 | [0.6] |
| | 4 | 174 | | 0.22 | 4.4 | 0.03 | 0.9 |
| | 5 | 154 | | 0.07 | 1.0 | 0.03 | 0.3 |
| | 6 | 127 | | 0.08 | 0.6 | 0.05 | 0.5 |
| | 7 | 102 | | 0.08 | 0.7 | 0.04 | 0.4 |
| | 8 | 81 | | 0.05 | 0.0 | 0.01 | 0.4 |
| | 9 | 59 | | 0.04 | 0.0 | 0.02 | 0.5 |
| | 10 | 41 | | 0.05 | 0.1 | 0.02 | 0.9 |
| | 11 | 21 | | 0.03 | 0.0 | 0.02 | 0.6 |
| | 12 | 5 | | 0.03 | 0.1 | 0.00 | 1.1 |

Upcast Bottle Data spreadsheet (Appendix 6 for Chapter 2) for autoanalyzer nutrient analyses for R/V Gyre cruise 96G06

| CTD & Sta # | Bottle # | Trip Depth | comments | PO4 | NO3 | NO2 | SiOH4 |
|--------------|----------|------------|----------|--------|--------|------|-------|
| 96G06 CTD-9 | 1 | 177 | | 1.13 | 22.1 | 0.04 | 8.6 |
| (Sta 147) | 2 | 161 | | [1.02] | [19.4] | 0.05 | [6.6] |
| | 3 | 146 | | 0.97 | 19.5 | 0.06 | 6.9 |
| | 4 | 130 | | 0.88 | 17.6 | 0.02 | 6.3 |
| | 5 | 115 | | 0.80 | 16.0 | 0.02 | 4.9 |
| | 6 | 101 | | 0.50 | 9.0 | 0.02 | 2.4 |
| | 7 | 85 | | 0.48 | 9.0 | 0.05 | 2.7 |
| | 8 | 69 | | 0.26 | 4.2 | 0.14 | 2.6 |
| | 9 | 56 | | 0.02 | 0.1 | 0.02 | 0.5 |
| | 10 | 39 | | 0.03 | 0.1 | 0.02 | 0.6 |
| | 11 | 22 | | 0.05 | 0.1 | 0.02 | 0.5 |
| | 12 | 11 | | 0.02 | 0.1 | 0.02 | 0.5 |
| 96G06 CTD-10 | 1 | 178 | | 0.96 | 20.8 | 0.08 | 7.0 |
| (Sta 157) | 2 | 163 | | [0.71] | [14.1] | 0.09 | [3.9] |
| | 3 | 145 | | [0.71] | [14.9] | 0.09 | [4.4] |
| | 4 | 129 | | 0.70 | 15.8 | 0.09 | 4.6 |
| | 5 | 114 | | 0.61 | 14.1 | 0.10 | 4.3 |
| | 6 | 101 | | [0.31] | [8.3] | 0.09 | [2.8] |
| | 7 | 87 | | 0.34 | 8.3 | 0.12 | 2.7 |
| | 8 | 72 | | [0.15] | [1.1] | 0.28 | [1.4] |
| | 9 | 55 | | 0.18 | 1.3 | 0.32 | 2.3 |
| | 10 | 42 | | 0.13 | 0.3 | 0.43 | 1.9 |
| | 11 | 27 | | 0.09 | 0.1 | 0.52 | 1.2 |
| | 12 | 11 | | 0.13 | 0.3 | 0.08 | 1.9 |
| 96G06 CTD-11 | 1 | 250 | | 0.46 | 7.6 | 0.07 | 1.9 |
| (Sta 188) | 2 | 225 | | [0.33] | [5.3] | 0.06 | [0.8] |
| | 3 | 201 | | 0.36 | 6.4 | 0.07 | 1.6 |
| | 4 | 175 | | 0.27 | 4.7 | 0.07 | 0.8 |
| | 5 | 152 | | 0.17 | 2.4 | 0.07 | 0.2 |
| | 6 | 125 | | 0.10 | 1.0 | 0.08 | 0.1 |
| | 7 | 105 | | 0.05 | 0.3 | 0.08 | 0.2 |
| | 8 | 96 | | 0.04 | 0.2 | 0.07 | 0.4 |
| | 9 | 82 | | 0.04 | 0.2 | 0.06 | 0.3 |
| | 10 | 60 | | 0.03 | 0.2 | 0.07 | 0.3 |
| | 11 | 40 | | 0.04 | 0.2 | 0.07 | 0.6 |
| | 12 | 21 | | 0.06 | 0.3 | 0.06 | 0.3 |
| 96G06 CTD-12 | 1 | 174 | | [0.91] | [15.3] | 0.06 | [5.4] |
| (Sta 210) | 2 | 161 | | [0.85] | [14.1] | 0.06 | [4.5] |
| | 3 | 145 | | 0.87 | 15.0 | 0.06 | 5.0 |
| | 4 | 128 | | 0.80 | 14.4 | 0.07 | 4.9 |
| | 5 | 118 | | 0.63 | 10.3 | 0.06 | 3.1 |
| | 6 | 102 | | 0.54 | 9.3 | 0.08 | 3.1 |
| | 7 | 85 | | 0.42 | 7.5 | 0.09 | 2.6 |
| | 8 | 73 | | 0.10 | 1.5 | 0.08 | 0.1 |
| | 9 | 56 | | 0.04 | 0.1 | 0.15 | 0.3 |
| | 10 | 40 | | 0.01 | 0.2 | 0.06 | 0.1 |
| | 11 | 24 | | 0.03 | 0.2 | 0.06 | 0.3 |
| | 12 | 9 | | 0.01 | 0.2 | 0.06 | 0.2 |

Other Hydrographic Data

To keep the length of hard-copy supporting tables to a minimum, no other raw data or metadata from underway hydrographic survey (XBT, SAIL) and from the CTD stations are included in this appendix. However, these raw data and metadata are archived by the GulfCet Data Management Office (DMO) and are available by ftp by query to the GulfCet II web site: <http://www.tamug.tamu.edu/gulfcet/>.

- **XBT raw data (R/V *Oregon II* and R/V *Gyre* cruises):**

XBT processed rawdata (EDF files) that are created by the Sippican manufacturer's software are archived by the GulfCet DMO. Metadata files (SPLINEDXBT files) in which the rawdata depth was first corrected for drop-rate error and then salinity was splined to each (Z,T) rawdata pair are also available. The method is summarized in section 2.2.1 of Volume 2 and described in more detail by Biggs 1992 (J. Geophys. Res. 97: 2143-2154). Additional metadata files (CRUNCHEDEXBT files) which include density and geopotential anomaly calculated as described by Biggs 1992 are also available.

- **CTD raw data (R/V *Oregon II* and R/V *Gyre* cruises):**

One meter averaged processed rawdata (CNV files) that are created by the SeaBird manufacturer's software from sensor calibration files (CON files) are archived by the GulfCet DMO. Metadata files (CRUNCHEDCTD files) which include density and geopotential anomaly calculations are also available.

- **SAIL data (R/V *Gyre* cruises only):**

Data from navigation sensors and from the temperature, conductivity, and fluorescence sensors tied in to R/V *Gyre*'s Serial ASCII Interface Loop were scanned and written to disk every two minutes. Four spreadsheets that summarize these SAIL data separately for Leg One and Leg Two of cruise 96G06 and for Leg One and Leg Two of cruise 97G08 are available by ftp from the GulfCet DMO. The spreadsheets from cruise 96G06 have 12 columns of data:

- Column 1: date-month-year
- Column 2: Greenwich Mean Time (GMT)
- Column 3: Latitude N (decimal degrees, positive for convention for North Latitude)
- Column 4: Longitude W (decimal degrees, negative by convention for West Longitude)
- Column 5: Ship Heading
- Column 6: Ship Speed
- Column 7: Station Work (comments field to describe XBT, CTD, or other over-the-side work)
- Column 8: flow-thru Temp = sea surface temperature (degrees C)
- Column 9: flow-thru Salin = sea surface salinity (practical salinity units)
- Column 10: flow-thru Fluor = sea surface fluorescence (mvolts rawdata signal used to calc Chl)
- Column 11: calc Chl = chlorophyll concentration ($\mu\text{g/L}$) calculated from regression of rawdata in column 10 on measured concentration data in column 12
- Column 12: chl sample = extracted chlorophyll concentration ($\mu\text{g/L}$) measured on one liter samples drawn at intervals from the flow-thru lines to the fluorometer

In 1997, meteorological sensors to measure wind speed and wind direction were tied in to the SAIL system, so the spreadsheets from cruise 97G08 have two additional columns of data:

Column 13: Wind speed (true knots, by difference after subtracting ship speed)

Column 14: Wind direction (true heading, by difference after subtracting ship heading)

- **ADCP data (R/V *Gyre* cruises only):**

Along-track current velocity at 10 m depth, measured by 153 kHz acoustic Doppler current profiler during R/V *Gyre* cruises 96G06 and 97G08, are summarized graphically in Figures 2.8 and 2.10 in Volume II, and gridded ADCP current vectors within the deepwater focal and continental margin areas on these two cruises were summarized graphically in Figures 2.9 and 2.11 in Volume II. The raw data and metadata from the ADCP are archived by the NEGOM Data Management Office and are available on request from Dr. Matthew Howard (mkhoward@tamu.edu).

The acoustic backscatter portion of the metadata from the ADCP were processed by Mr. Patrick Ressler, who has converted these metadata to Predicted Mean Biomass (PMB: see Figures 3.14 through 3.26 in Volume II). This conversion and other ongoing modelling efforts will be described in detail as part of Mr. Ressler's PhD dissertation research, which is in progress with completion expected for December 2000. Please contact Ressler (pressler@ocean.tamu.edu) for additional details.

II. BIOLOGICAL OCEANOGRAPHY

97G8 Myctophid Data - A comparison of the Dominant Myctophid Genera in Three Isaacs Kidd Midwater Trawls (15') and of the Genera Common to All Three for Cruise Gyre 97G8

| CYCLONE MAR-NW (IKMT09) | | CONFLUENCE (IKMT07) | | ANTICYCLONE (IKMT11) | |
|--|--------|-------------------------------------|-----------------------|-------------------------------------|----------|
| 2358-0106 hrs | | 2300-0000 hrs | | 2147-2300 hrs | |
| 9-Aug-97 | | 7-Aug-97 | | 9-Aug-97 | |
| Night, post-midnight | | Night, pre-midnight | | Night, pre-midnight | |
| Depth (m) = cos(45) * mwo 153 | | Depth (m) = cos(45) * mwo(221 | | Depth (m) = cos(45) * mwo(141 | |
| Flowf (counts) 645439 | | Flowf (counts) 313056 | | Flowf (counts) 992708 | |
| Flowi (counts) 493051 | | Flowi (counts) 167015 | | Flowi (counts) 793766 | |
| Volume (m3) = flow counts 67203.108 | | Volume (m3) = flow counts 64404.081 | | Volume (m3) = flow counts 87733.422 | |
| (Note: BOLDED represents Genera common to all trawls in set.) | | | | | |
| | # | #/Area | | # | #/Area |
| | | (#/m**2) | | | (#/m**2) |
| Diaphus | 93 | 0.212 | Ceratoscopelus | 47 | 0.161 |
| Lampanyctus | 69 | 0.157 | Diaphus | 32 | 0.110 |
| Ceratoscopelus | 51 | 0.116 | Lampanyctus | 23 | 0.079 |
| Benthosema | 40 | 0.091 | Benthosema | 16 | 0.055 |
| Lepidophanes | 31 | 0.071 | Notolynchus | 15 | 0.051 |
| Hygophum | 23 | 0.052 | Lepidophanes | 8 | 0.027 |
| Diogenichthys | 10 | 0.023 | Notoscopelus | 7 | 0.024 |
| Bolinichthys | 9 | 0.020 | Diogenichthys | 4 | 0.014 |
| Myctophum | 5 | 0.011 | Myctophum | 4 | 0.014 |
| Notoscopelus | 4 | 0.009 | Lampadena | 2 | 0.007 |
| Notolynchus | 3 | 0.007 | Bolinichthys | 1 | 0.003 |
| Lampadena | 3 | 0.007 | Hygophum | 1 | 0.003 |
| Lobianchia | 1 | 0.002 | Lobianchia | 1 | 0.003 |
| | | | Symbolophorus | 1 | 0.003 |
| Unknown | 15 | 0.034 | Unknown | 5 | 0.017 |
| TOTAL (w/Unknown) | 357 | 0.813 | TOTAL (w/Unknown) | 167 | 0.573 |
| 13 Genera | | | 14 Genera | | |
| 357 fish | | | 167 fish | | |
| | | | | | |
| | | | | | |
| COMPARISON OF COMMON GENERA | | | | | |
| IKMT9 | | IKMT7 | | IKMT11 | |
| | #/m**2 | | #/m**2 | | #/m**2 |
| Benthosema | 0.091 | Benthosema | 0.055 | Benthosema | 0.037 |
| Bolinichthys | 0.020 | Bolinichthys | 0.003 | Bolinichthys | 0.003 |
| Ceratoscopelus | 0.116 | Ceratoscopelus | 0.161 | Ceratoscopelus | 0.006 |
| Diaphus | 0.212 | Diaphus | 0.110 | Diaphus | 0.061 |
| Diogenichthys | 0.023 | Diogenichthys | 0.014 | Diogenichthys | 0.013 |
| Hygophum | 0.052 | Hygophum | 0.003 | Hygophum | 0.002 |
| Lepidophanes | 0.071 | Lepidophanes | 0.027 | Lepidophanes | 0.026 |
| Myctophum | 0.011 | Myctophum | 0.014 | Myctophum | 0.002 |

97G8 IKMT Data - Isaacs Kidd Midwater Trawl (15') Summary Data for Squid Paralarvae for Cruise Gyre 97G8

| IKMT # | Date | Time (local) | Latitude | Longitude | # Squid Paralarvae/m**2 | Depth of Tow | Depth of 15 Deg Isotherm | Environment |
|---------|---------|--------------|----------|-----------|-------------------------|--------------|--------------------------|---------------------|
| IKMT#5 | 8/6/97 | 0505-0600 | 28.66 | 89 | 0.181 | 212 | 181 | MOM Region |
| IKMT#6 | 8/6/97 | 2234-2330 | 26.84 | 88.38 | 0.023 | 212 | 393 | Anticyclone |
| IKMT#7 | 8/7/97 | 2300-0000 | 27.7 | 88.05 | 0.089 | 221 | 234 | Confluence |
| IKMT#8 | 8/8/97 | 0157-0300 | 27.68 | 88.02 | 0.115 | 229 | 205 | Confluence |
| IKMT#9 | 8/9/97 | 2358-0106 | 28.63 | 87.83 | 0.091 | 153 | 173 | Cyclone Margin (NW) |
| IKMT#10 | 8/9/97 | 1801-1900 | 26.87 | 86.94 | 0.071 | 212 | 308 | Anticyclone Margin |
| IKMT#11 | 8/9/97 | 2147-2300 | 26.85 | 86.79 | 0.048 | 141 | 294 | Anticyclone Margin |
| IKMT#12 | 8/10/97 | 1601-1647 | 28.39 | 86.85 | 0 | 225 | 134 | Cyclone |
| IKMT#13 | 8/11/97 | 0046-0146 | 29.13 | 86.91 | 0.121 | 225 | 162 | Cyclone Margin (N) |
| IKMT#14 | 8/12/97 | 0150-0410 | 26.82 | 87.4 | 0.008 | 153 | 389 | Anticyclone |
| IKMT#15 | 8/14/97 | 2229-2352 | 28.92 | 87.53 | 0.013 | 106 | 183 | Cyclone Margin (N) |
| IKMT#16 | 8/17/97 | 0253-0410 | 28.74 | 86.64 | 0.02 | 141 | 171 | Cyclone Margin (N) |
| IKMT#17 | 8/18/97 | 0330-0523 | 28.67 | 85.48 | 0.023 | 141 | 193 | Shallow Shelf |
| IKMT#18 | 8/20/97 | 0023-0225 | 27.42 | 86.99 | 0.08 | 354 | 187 | Confluence |
| IKMT#19 | 8/21/97 | 0308-0440 | 28.76 | 88.67 | 0.062 | 254 | 166 | MOM Region |

97G8 MOCNESS and Squid Data - MOCNESS Data for Zooplankton and Squid Paralarvae by Individual Net and Associated Depth Intervals for RV Gyr 87G8 cruise (see Chapter 3, Table 3.1 for summary by Tow Number)

| MOCNESS # | Net # | Thickness (m) | Open Depth (m) | Close Depth (m) | Displacement Volume (cc) | Volumes Filtered | DV (cc/m ³) | Interval Biomass (cc/Interval) | Integrated DV (ccm ²) | Squid (#) | liquid (#/m ³) | liquid (#/Interval) | liquid (#/m ²) |
|-----------|-------|---------------|----------------|-----------------|--------------------------|------------------|-------------------------|--------------------------------|-----------------------------------|-----------|----------------------------|---------------------|----------------------------|
| 208 | 1 | 20 | 0 | 20 | NS | 429 | 0.02 | 0.41 | | | 0.00 | 0.00 | |
| 208 | 2 | 20 | 20 | 40 | | 560 | 0.02 | 0.41 | | | 0.00 | 0.00 | |
| 208 | 3 | 20 | 40 | 60 | | 299 | 0.03 | 0.60 | | 2 | 0.01 | 0.13 | |
| 208 | 4 | 20 | 60 | 80 | | 328 | 0.04 | 0.73 | | 2 | 0.01 | 0.12 | |
| 208 | 5 | 20 | 80 | 100 | | 313 | 0.04 | 0.77 | | 3 | 0.01 | 0.13 | |
| 208 | 6 | 25 | 100 | 125 | | 257 | 0.04 | 0.87 | | 3 | 0.01 | 0.28 | |
| 208 | 7 | 25 | 125 | 150 | | 336 | 0.02 | 0.60 | | 2 | 0.01 | 0.15 | |
| 208 | 8 | 25 | 150 | 175 | | 209 | 0.05 | 1.20 | | 1 | 0.00 | 0.12 | |
| 208 | 9 | 25 | 175 | 200 | | 353 | 0.01 | 0.28 | 5.95 | 1 | 0.00 | 0.07 | 1.014232411 |
| 209 | 1 | 20 | 0 | 20 | | 463 | 0.03 | 0.69 | | | 0.00 | 0.00 | |
| 209 | 2 | 20 | 20 | 40 | | 213 | 0.05 | 1.03 | | 1 | 0.00 | 0.00 | |
| 209 | 3 | 20 | 40 | 60 | | 237 | 0.06 | 0.94 | | 1 | 0.00 | 0.00 | |
| 209 | 4 | 20 | 60 | 80 | | 247 | 0.04 | 1.17 | | 2 | 0.03 | 0.54 | |
| 209 | 5 | 20 | 80 | 100 | | 272 | 0.04 | 0.73 | | 2 | 0.01 | 0.16 | |
| 209 | 6 | 25 | 100 | 125 | | 206 | 0.02 | 0.92 | | 1 | 0.00 | 0.09 | |
| 209 | 7 | 25 | 125 | 150 | | 262 | 0.02 | 0.60 | | | | | |
| 209 | 8 | 25 | 150 | 175 | | 228 | 0.02 | 0.48 | | 1 | 0.00 | 0.10 | |
| 209 | 9 | 25 | 175 | 200 | | 517 | 0.06 | 2.32 | 6.76 | 18 | 0.03 | 1.39 | |
| 210 | 1 | 40 | 0 | 40 | | 365 | 0.06 | 1.36 | | 28 | 0.07 | 1.45 | |
| 210 | 2 | 20 | 40 | 60 | | 222 | 0.13 | 2.52 | | 8 | 0.04 | 0.72 | |
| 210 | 3 | 20 | 60 | 80 | | 278 | 0.14 | 2.73 | | 6 | 0.02 | 0.96 | |
| 210 | 4 | 20 | 80 | 100 | | 363 | 0.06 | 1.25 | | 1 | 0.00 | 0.05 | |
| 210 | 5 | 20 | 100 | 120 | | 270 | 0.04 | 0.89 | | 2 | 0.01 | 0.15 | |
| 210 | 6 | 20 | 120 | 140 | | 277 | 0.03 | 0.65 | | 1 | 0.00 | 0.07 | |
| 210 | 7 | 20 | 140 | 160 | | 244 | 0.04 | 0.82 | | 1 | 0.00 | 0.08 | |
| 210 | 8 | 20 | 160 | 180 | | 243 | 0.02 | 0.49 | 12.86 | 1 | 0.00 | 0.08 | |
| 210 | 9 | 20 | 180 | 200 | | 245 | 0.06 | 1.55 | | 2 | 0.01 | 0.16 | |
| 211 | 1 | 20 | 0 | 20 | | 259 | 0.03 | 0.82 | | 1 | 0.00 | 0.08 | |
| 211 | 2 | 20 | 20 | 40 | | 351 | 0.02 | 0.48 | | 2 | 0.01 | 0.11 | |
| 211 | 3 | 20 | 40 | 60 | | 316 | 0.04 | 0.76 | | 6 | 0.02 | 0.32 | |
| 211 | 4 | 20 | 60 | 80 | | 296 | 0.03 | 0.63 | | 6 | 0.00 | 0.00 | |
| 211 | 5 | 20 | 80 | 100 | | 344 | 0.01 | 0.22 | | 2 | 0.01 | 0.15 | |
| 211 | 6 | 25 | 100 | 125 | | 210 | 0.01 | 0.36 | | 1 | 0.00 | 0.12 | |
| 211 | 7 | 25 | 125 | 150 | | 174 | 0.03 | 2.03 | 6.82 | 1 | 0.00 | 0.00 | |
| 211 | 8 | 25 | 150 | 175 | | 1303 | 0.04 | 6.02 | | 2 | 0.00 | 0.32 | |
| 211 | 9 | 209 | 209 | 209 | | 438 | 0.12 | 2.39 | | 1 | 0.00 | 0.05 | |
| 212 | 1 | 20 | 0 | 20 | | 448 | 0.04 | 0.84 | | 3 | 0.01 | 0.13 | |
| 212 | 2 | 20 | 20 | 40 | | 431 | 0.06 | 1.02 | | 1 | 0.00 | 0.04 | |
| 212 | 3 | 20 | 40 | 60 | | 328 | 0.04 | 0.82 | | 4 | 0.01 | 0.24 | |
| 212 | 4 | 20 | 60 | 80 | | 310 | 0.02 | 0.32 | | 2 | 0.01 | 0.13 | |
| 212 | 5 | 20 | 80 | 100 | | 394 | 0.02 | 0.39 | | | | | |
| 212 | 6 | 25 | 100 | 125 | | 365 | 0.02 | 0.52 | | 2 | 0.01 | 0.13 | |
| 212 | 7 | 25 | 125 | 150 | | 464 | 0.00 | 0.03 | 6.33 | | | | |
| 212 | 8 | 25 | 150 | 175 | | 393 | 0.00 | 0.79 | | | | | |
| 212 | 9 | 223 | 175 | 200-0 | | 968 | 0.08 | 12.40 | | 2 | 0.00 | 0.00 | |
| 213 | 1 | 150 | 0 | 150 | | 179 | 0.02 | 0.42 | | | | | |
| 213 | 2 | 25 | 150 | 175 | | 312 | 0.01 | 0.32 | | | | | |
| 213 | 3 | 25 | 175 | 200 | | 465 | 0.02 | 0.30 | | 3 | 0.01 | 0.13 | |
| 213 | 4 | 20 | 100 | 80 | | 265 | 0.05 | 0.96 | | 4 | 0.00 | 0.23 | |
| 213 | 5 | 20 | 80 | 60 | | 265 | 0.09 | 1.36 | | 4 | 0.02 | 0.23 | |
| 213 | 6 | 18 | 60 | 45 | | 362 | 0.13 | 1.99 | | 21 | 0.05 | 0.80 | |
| 213 | 7 | 15 | 45 | 30 | | 310 | 0.14 | 2.03 | | 14 | 0.05 | 0.66 | |
| 213 | 8 | 15 | 30 | 15 | | 266 | 0.33 | 5.02 | 12.42 | 2 | 0.01 | 0.11 | 1.949220091 |
| 213 | 9 | 15 | 15 | 0 | | 339 | 0.01 | 0.12 | | 1 | 0.00 | 0.06 | |
| 214 | 1 | 20 | 0 | 20 | | 244 | 0.02 | 0.49 | | 1 | 0.00 | 0.08 | |
| 214 | 2 | 20 | 20 | 40 | | 339 | 0.04 | 0.71 | | 4 | 0.01 | 0.24 | |
| 214 | 3 | 20 | 40 | 60 | | 293 | 0.05 | 1.02 | | 3 | 0.01 | 0.20 | |
| 214 | 4 | 20 | 60 | 80 | | 282 | 0.02 | 0.43 | | 1 | 0.00 | 0.07 | |
| 214 | 5 | 20 | 80 | 100 | | 965 | 0.03 | 0.71 | | 1 | 0.00 | 0.04 | |
| 214 | 6 | 25 | 100 | 125 | | 356 | 0.03 | 0.70 | | | | | |
| 214 | 7 | 25 | 125 | 150 | | 214 | 0.04 | 1.05 | | | | | |
| 214 | 8 | 25 | 150 | 175 | | | | | | | | | |

97G8 MOCNESS and Squid Data - MOCNESS Data for Zooplankton and Squid Parameters by Individual Net and Associated Depth Intervals for RV Gyre 97G8 cruise (see Chapter 3, Table 3.1 for summary by Tow Number)

| MOCNESS # | Net # | Thickness (m) | Open Depth (m) | Close Depth (m) | Deployment Volume (Co) | Volume Filtered (Co) | Filtered DV (Co/m ³) | Interval Biomass (Co/m ³) | Integrated DV (Co/m ²) | Squid (#) | Squid (g/m ³) | Squid (g/m ²) | Squid (g/m ³) | Squid (g/m ²) |
|-----------|-------|---------------|----------------|-----------------|------------------------|----------------------|----------------------------------|---------------------------------------|------------------------------------|-----------|---------------------------|---------------------------|---------------------------|---------------------------|
| 214 | 9 | 25 | 175 | 200 | 61 | 375 | 0.03 | 0.75 | 5.97 | 6 | 0.00 | 0.00 | 0.00 | |
| 214 | 1 | 50 | 0 | 200 | 21 | 2004 | 0.02 | 0.87 | 0.97 | 1 | 0.00 | 0.00 | 0.00 | |
| 215 | 2 | 25 | 150 | 175 | 10 | 482 | 0.05 | 1.14 | 0.92 | 2 | 0.00 | 0.10 | 0.06 | |
| 215 | 3 | 25 | 125 | 100 | 22 | 411 | 0.05 | 1.20 | 0.95 | 6 | 0.01 | 0.29 | 0.10 | |
| 215 | 4 | 20 | 100 | 60 | 25 | 416 | 0.06 | 1.17 | 0.95 | 3 | 0.01 | 0.17 | 0.06 | |
| 215 | 5 | 20 | 60 | 40 | 27 | 199 | 0.06 | 1.28 | 0.95 | 7 | 0.02 | 0.33 | 0.06 | |
| 215 | 6 | 20 | 40 | 20 | 37 | 369 | 0.10 | 2.01 | 1.18 | 2 | 0.01 | 0.11 | 1.405377828 | |
| 215 | 8 | 20 | 0 | 20 | 27 | 457 | 0.04 | 0.82 | 0.82 | 1 | 0.00 | 0.04 | 0.05 | |
| 216 | 1 | 20 | 20 | 40 | 16 | 392 | 0.04 | 0.79 | 1.11 | 13 | 0.03 | 0.64 | 0.13 | |
| 216 | 2 | 20 | 0 | 60 | 16 | 470 | 0.06 | 1.11 | 0.88 | 4 | 0.01 | 0.19 | 0.36 | |
| 216 | 3 | 20 | 60 | 80 | 26 | 432 | 0.04 | 0.82 | 1.32 | 7 | 0.01 | 0.24 | 0.24 | |
| 216 | 4 | 20 | 80 | 100 | 19 | 492 | 0.05 | 0.83 | 1.17 | 4 | 0.01 | 0.22 | 0.22 | |
| 216 | 5 | 20 | 100 | 125 | 26 | 342 | 0.05 | 0.76 | 0.88 | 3 | 0.01 | 0.00 | 0.00 | |
| 216 | 6 | 25 | 125 | 150 | 10 | 402 | 0.13 | 2.64 | 0.88 | 1 | 0.00 | 0.06 | 0.06 | |
| 216 | 7 | 25 | 150 | 175 | 8.5 | 364 | 0.03 | 0.76 | 0.88 | 2 | 0.01 | 0.11 | 0.19 | |
| 216 | 8 | 25 | 175 | 200 | 5.1 | 402 | 0.06 | 1.10 | 1.22 | 7 | 0.02 | 0.36 | 0.36 | |
| 217 | 1 | 20 | 0 | 40 | 23 | 362 | 0.06 | 0.96 | 0.96 | 3 | 0.00 | 0.10 | 0.00 | |
| 217 | 2 | 20 | 40 | 60 | 22 | 605 | 0.02 | 0.58 | 0.58 | 1 | 0.00 | 0.00 | 0.00 | |
| 217 | 3 | 20 | 60 | 80 | 11 | 444 | 0.02 | 0.54 | 0.54 | 0 | 0.00 | 0.00 | 0.00 | |
| 217 | 4 | 20 | 80 | 100 | 11 | 507 | 0.02 | 0.45 | 0.45 | 0 | 0.00 | 0.00 | 0.00 | |
| 217 | 5 | 25 | 125 | 150 | 13 | 486 | 0.03 | 0.73 | 0.81 | 15 | 0.06 | 0.92 | 0.34 | |
| 217 | 6 | 25 | 150 | 175 | 8 | 327 | 0.13 | 2.51 | 1.74 | 7 | 0.02 | 0.20 | 0.12 | |
| 217 | 7 | 25 | 175 | 200 | 4.1 | 413 | 0.09 | 1.20 | 0.97 | 2 | 0.01 | 0.06 | 0.00 | |
| 218 | 1 | 20 | 0 | 40 | 12 | 200 | 0.06 | 0.99 | 0.99 | 1 | 0.00 | 0.00 | 0.00 | |
| 218 | 2 | 20 | 40 | 60 | 24 | 496 | 0.05 | 0.79 | 0.79 | 0 | 0.00 | 0.00 | 0.00 | |
| 218 | 3 | 20 | 60 | 80 | 14 | 353 | 0.04 | 0.75 | 0.45 | 0 | 0.00 | 0.00 | 0.00 | |
| 218 | 4 | 20 | 80 | 100 | 9 | 301 | 0.03 | 0.45 | 0.14 | 0 | 0.00 | 0.00 | 0.00 | |
| 218 | 5 | 25 | 100 | 125 | 6 | 331 | 0.02 | 0.14 | 0.14 | 0 | 0.00 | 0.00 | 0.00 | |
| 218 | 6 | 25 | 125 | 150 | 2 | 363 | 0.01 | 0.14 | 0.14 | 0 | 0.00 | 0.00 | 0.00 | |
| 218 | 7 | 25 | 150 | 175 | 2 | 463 | 0.07 | 3.46 | 1.06 | 0 | 0.01 | 0.05 | 0.05 | |
| 218 | 8 | 25 | 175 | 200 | 3.6 | 1023 | 0.04 | 0.87 | 0.87 | 11 | 0.00 | 0.00 | 0.00 | |
| 219 | 1 | 50 | 0 | 100 | 11 | 632 | 0.02 | 0.99 | 0.99 | 1 | 0.00 | 0.00 | 0.00 | |
| 219 | 2 | 50 | 100 | 150 | 14 | 704 | 0.02 | 0.85 | 1.27 | 0 | 0.00 | 0.00 | 0.00 | |
| 219 | 3 | 50 | 150 | 200 | 15 | 863 | 0.02 | 0.76 | 0.76 | 0 | 0.00 | 0.00 | 0.00 | |
| 219 | 4 | 50 | 200 | 250 | 20 | 790 | 0.03 | 0.95 | 0.95 | 0 | 0.00 | 0.00 | 0.00 | |
| 219 | 5 | 50 | 250 | 300 | 10 | 262 | 0.04 | 0.76 | 0.76 | 0 | 0.00 | 0.00 | 0.00 | |
| 219 | 6 | 25 | 300 | 325 | 5 | 165 | 0.03 | 0.46 | 0.46 | 11 | 0.00 | 0.00 | 1.25690353 | |
| 219 | 7 | 25 | 325 | 350 | 6 | 206 | 0.03 | 1.65 | 0.41 | 0 | 0.00 | 0.00 | 0.00 | |
| 219 | 8 | 350 | 350 | 400 | 4.4 | 633 | 0.06 | 1.31 | 0.08 | 0 | 0.00 | 0.00 | 0.00 | |
| 220 | 1 | 20 | 0 | 40 | 21 | 310 | 0.01 | 0.18 | 0.18 | 1 | 0.00 | 0.00 | 0.00 | |
| 220 | 2 | 20 | 40 | 60 | 3 | 328 | 0.03 | 0.61 | 0.61 | 0 | 0.00 | 0.00 | 0.00 | |
| 220 | 3 | 20 | 60 | 80 | 10 | 411 | 0.03 | 0.54 | 0.54 | 0 | 0.00 | 0.00 | 0.00 | |
| 220 | 4 | 20 | 80 | 100 | 11 | 455 | 0.04 | 0.99 | 0.99 | 0 | 0.00 | 0.00 | 0.00 | |
| 220 | 5 | 25 | 100 | 125 | 7 | 616 | 0.04 | 0.52 | 0.52 | 3 | 0.01 | 0.08 | 0.08 | |
| 220 | 6 | 25 | 125 | 150 | 26 | 669 | 0.02 | 0.54 | 0.54 | 14 | 0.04 | 0.11 | 0.11 | |
| 220 | 7 | 25 | 150 | 175 | 14 | 361 | 0.03 | 0.71 | 0.71 | 0 | 0.00 | 0.00 | 0.00 | |
| 220 | 8 | 25 | 175 | 200 | 13 | 364 | 0.03 | 0.71 | 0.71 | 0 | 0.00 | 0.00 | 0.00 | |
| 221 | 1 | 10 | 0 | 20 | 8 | 188 | 0.05 | 1.28 | 0.13 | 2 | 0.00 | 0.13 | 0.13 | |
| 221 | 2 | 10 | 20 | 40 | 11 | 461 | 0.02 | 0.72 | 0.72 | 0 | 0.00 | 0.00 | 0.00 | |
| 221 | 3 | 18 | 40 | 70 | 16 | 356 | 0.04 | 1.12 | 0.42 | 0 | 0.00 | 0.00 | 0.00 | |
| 221 | 4 | 25 | 70 | 100 | 16 | 347 | 0.05 | 1.15 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | |
| 221 | 5 | 25 | 100 | 125 | 16 | 347 | 0.05 | 1.15 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | |
| 221 | 6 | 25 | 125 | 150 | 16 | 347 | 0.05 | 1.15 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | |
| 221 | 7 | 25 | 150 | 175 | 16 | 347 | 0.05 | 1.15 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | |
| 221 | 8 | 25 | 175 | 200 | 16 | 347 | 0.05 | 1.15 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | |

97GB MOCNESS and Squid Data - MOCNESS Data for Zooplankton and Squid Paralarvae by Individual Net and Associated Depth Intervals for RV Gyr 97GB cruise (see Chapter 3, Table 3.1 for summary by Tow Number)

| MOCNESS # | Net # | Thickness (m) | Open Depth (m) | Close Depth (m) | Displacement Volume (cc) | Volume Filtered | DV (cc/m ³) | Interval Biomass (cc/interval) | Integrated DV (cc/m ²) | Squid (#) | Squid @/m ³ | Squid @/interval | Squid @/m ² |
|-----------|-------|---------------|----------------|-----------------|--------------------------|-----------------|-------------------------|--------------------------------|------------------------------------|-----------|------------------------|------------------|------------------------|
| 221 | 8 | 25 | 150 | 175 | 8 | 324 | 0.02 | 0.82 | | | 0.00 | 0.00 | 0.00 |
| 221 | 9 | 25 | 175 | 200 | 10 | 331 | 0.03 | 0.76 | 8.33 | 1 | 0.00 | 0.00 | 0.00 |
| 222 | 1 | 20 | 20 | 20 | 28 | 295 | 0.06 | 1.90 | | 1 | 0.00 | 0.00 | 0.00 |
| 222 | 2 | 20 | 20 | 40 | 38 | 359 | 0.11 | 2.12 | | 10 | 0.03 | 0.56 | 0.56 |
| 222 | 3 | 20 | 40 | 60 | 27 | 438 | 0.09 | 1.23 | | 1 | 0.00 | 0.00 | 0.00 |
| 222 | 4 | 20 | 60 | 80 | 42 | 532 | 0.06 | 1.68 | | 1 | 0.00 | 0.00 | 0.00 |
| 222 | 5 | 20 | 80 | 100 | 7 | 300 | 0.02 | 0.47 | | 1 | 0.00 | 0.00 | 0.00 |
| 222 | 6 | 25 | 100 | 125 | 17 | 408 | 0.04 | 1.05 | | 2 | 0.00 | 0.00 | 0.00 |
| 222 | 7 | 25 | 125 | 150 | 26 | 837 | 0.03 | 0.78 | | 4 | 0.00 | 0.00 | 0.00 |
| 222 | 8 | 25 | 150 | 175 | 8 | 295 | 0.03 | 0.68 | | 1 | 0.00 | 0.00 | 0.00 |
| 222 | 9 | 25 | 175 | 200 | 4 | 295 | 0.01 | 0.34 | 10.13 | 1 | 0.00 | 0.00 | 0.00 |
| 223 | 1 | 20 | 0 | 20 | 22 | 330 | 0.07 | 1.33 | | 4 | 0.01 | 0.24 | 0.24 |
| 223 | 2 | 20 | 20 | 40 | 24 | 273 | 0.06 | 1.76 | | 5 | 0.02 | 0.37 | 0.37 |
| 223 | 3 | 20 | 40 | 60 | 20 | 243 | 0.06 | 1.65 | | 2 | 0.01 | 0.16 | 0.16 |
| 223 | 4 | 20 | 60 | 80 | 18 | 243 | 0.06 | 1.56 | | 2 | 0.01 | 0.16 | 0.16 |
| 223 | 5 | 20 | 80 | 100 | 8 | 268 | 0.03 | 0.56 | | 5 | 0.02 | 0.35 | 0.35 |
| 223 | 6 | 25 | 100 | 125 | 10 | 270 | 0.04 | 0.93 | | 1 | 0.00 | 0.00 | 0.00 |
| 223 | 7 | 25 | 125 | 150 | 1 | 209 | 0.00 | 0.12 | | | 0.00 | 0.00 | 0.00 |
| 223 | 8 | 25 | 150 | 175 | 5 | 228 | 0.02 | 0.55 | | | 0.00 | 0.00 | 0.00 |
| 223 | 9 | 25 | 175 | 200 | 1 | 218 | 0.00 | 0.11 | 8.57 | | 0.00 | 0.00 | 0.00 |
| 224 | 1 | 147 | 147 | 153 | 59 | 1977 | 0.03 | 0.00 | | | 0.00 | 0.00 | 0.00 |
| 224 | 2 | 152 | 152 | 154 | 31 | 1327 | 0.02 | 0.00 | | 5 | 0.00 | 0.00 | 0.00 |
| 224 | 3 | 148 | 148 | 164 | 13 | 1183 | 0.01 | 0.00 | | | 0.00 | 0.00 | 0.00 |
| 224 | 4 | 150 | 150 | 183 | 28 | 1082 | 0.03 | 0.00 | | 3 | 0.00 | 0.00 | 0.00 |
| 224 | 5 | 151 | 151 | 154 | 19 | 1192 | 0.02 | 0.00 | | 1 | 0.00 | 0.00 | 0.00 |
| 224 | 6 | 152 | 152 | 153 | 19 | 1267 | 0.01 | 0.00 | | 1 | 0.00 | 0.00 | 0.00 |
| 224 | 7 | 148 | 148 | 150 | 22 | 1348 | 0.02 | 0.00 | | 2 | 0.00 | 0.00 | 0.00 |
| 224 | 8 | 148 | 148 | 150 | 28 | 1283 | 0.02 | 0.00 | | 2 | 0.00 | 0.00 | 0.00 |
| 224 | 9 | 150 | 150 | 153 | 31 | 1308 | 0.02 | 0.00 | | 3 | 0.00 | 0.00 | 0.00 |
| 225 | 1 | 20 | 0 | 20 | 74 | 333 | 0.22 | 4.44 | | 5 | 0.02 | 0.30 | 0.30 |
| 225 | 2 | 20 | 20 | 40 | 21 | 359 | 0.06 | 1.17 | | 2 | 0.00 | 0.00 | 0.00 |
| 225 | 3 | 20 | 40 | 60 | 8 | 300 | 0.02 | 0.40 | | 2 | 0.01 | 0.13 | 0.13 |
| 225 | 4 | 20 | 60 | 80 | 32 | 831 | 0.04 | 0.77 | | 5 | 0.01 | 0.12 | 0.12 |
| 225 | 5 | 20 | 80 | 100 | 6 | 229 | 0.03 | 0.52 | | | 0.00 | 0.00 | 0.00 |
| 225 | 6 | 25 | 100 | 125 | 7 | 237 | 0.03 | 0.74 | | | 0.00 | 0.00 | 0.00 |
| 225 | 7 | 25 | 125 | 150 | 6 | 331 | 0.02 | 0.45 | | 2 | 0.01 | 0.15 | 0.15 |
| 225 | 8 | 25 | 150 | 175 | 8 | 393 | 0.02 | 0.51 | | | 0.00 | 0.00 | 0.00 |
| 225 | 9 | 25 | 175 | 200 | 8 | 327 | 0.02 | 0.38 | 9.39 | 1 | 0.00 | 0.00 | 0.00 |
| 225 | | | | | | | | | | | | | 0.752483309 |

96G6 MOCNESS and Squid Data - MOCNESS Data for Zooplankton and Squid Paralarvae by Individual Net and Associated Depth Intervals for Cruise Gyre 96G6 (see Chapter 3, Table 3.1 for summary by Tow Number)

| A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|-----------|-------|---------------|----------------|-----------------|--------------------------|----------------------|-------------------------|---------------------------------------|------------------------------------|-----------|-----------|------------------------------------|---------------------------------|
| MOCNESS # | Net # | Thickness (m) | Open Depth (m) | Close Depth (m) | Displacement Volume (cc) | Volume Filtered (cc) | DV (cc/m ³) | Interval Biomass (cc/m ³) | Integrated DV (cc/m ³) | Squid (#) | Squid (g) | Interval Squid (g/m ³) | Total Squid (g/m ³) |
| 1 | 180 | 1 | 111 | 111 | 36 | 1965 | 0.018 | 2.034 | 0.018 | 22 | 0.01 | 1.24 | 1.24 |
| 2 | 180 | 2 | 17 | 94 | 37 | 4066 | 0.009 | 0.155 | 0.155 | 17 | 0.00 | 0.07 | 0.07 |
| 3 | 180 | 3 | 13 | 81 | 36 | 3658 | 0.009 | 0.118 | 0.118 | 25 | 0.01 | 0.08 | 0.08 |
| 4 | 180 | 4 | 13 | 66 | 66 | 4096 | 0.016 | 0.211 | 0.211 | 15 | 0.00 | 0.05 | 0.05 |
| 5 | 180 | 5 | 17 | 68 | 108 | 2482 | 0.042 | 0.711 | 0.711 | 14 | 0.01 | 0.09 | 0.09 |
| 6 | 180 | 6 | 15 | 51 | 90 | 2387 | 0.058 | 0.583 | 0.583 | 8 | 0.00 | 0.05 | 0.05 |
| 7 | 180 | 7 | 15 | 36 | 21 | 2436 | 0.039 | 0.578 | 0.578 | 20 | 0.01 | 0.12 | 0.12 |
| 8 | 180 | 8 | 14 | 21 | 100 | 2450 | 0.041 | 0.571 | 0.571 | 69 | 0.02 | 0.33 | 0.33 |
| 9 | 180 | 9 | 7 | 0 | 62 | 1621 | 0.038 | 0.268 | 3.177 | 30 | 0.02 | 0.13 | 0.928 |
| 10 | 180 | 10 | 0 | 0 | 63 | 1618 | 0.039 | 4.711 | | 2 | 0.00 | 0.00 | 0.00 |
| 11 | 181 | 1 | 121 | 121 | 21 | 1609 | 0.133 | 0.378 | 0.378 | 2 | 0.00 | 0.04 | 0.04 |
| 12 | 181 | 2 | 29 | 92 | 37 | 1710 | 0.022 | 0.388 | 0.388 | 3 | 0.00 | 0.03 | 0.03 |
| 13 | 181 | 3 | 18 | 74 | 50 | 1761 | 0.028 | 0.428 | 0.428 | 1 | 0.00 | 0.01 | 0.01 |
| 14 | 181 | 4 | 15 | 59 | 74 | 1761 | 0.048 | 0.695 | 0.695 | 16 | 0.01 | 0.16 | 0.16 |
| 15 | 181 | 5 | 15 | 44 | 66 | 1510 | 0.045 | 0.670 | 0.670 | 5 | 0.00 | 0.05 | 0.05 |
| 16 | 181 | 6 | 15 | 29 | 66 | 1522 | 0.045 | 0.670 | 0.670 | 5 | 0.00 | 0.05 | 0.05 |
| 17 | 181 | 7 | 16 | 13 | 95 | 1682 | 0.056 | 0.804 | 0.804 | 46 | 0.03 | 0.44 | 0.44 |
| 18 | 181 | 8 | 14 | 1 | 125 | 1987 | 0.083 | 0.881 | 4.344 | 16 | 0.01 | 0.13 | 0.849 |
| 19 | 181 | 9 | 13 | 0 | 115 | 1876 | 0.068 | 1.442 | | 1 | 0.00 | 0.10 | 0.10 |
| 20 | 182 | 1 | 160 | 160 | 8 | 1180 | 0.007 | 0.163 | 0.163 | 0 | 0.00 | 0.00 | 0.00 |
| 21 | 182 | 2 | 24 | 166 | 9 | 963 | 0.069 | 0.227 | 0.227 | 0 | 0.00 | 0.00 | 0.00 |
| 22 | 182 | 3 | 24 | 142 | 8 | 898 | 0.068 | 0.134 | 0.134 | 0 | 0.00 | 0.00 | 0.00 |
| 23 | 182 | 4 | 24 | 118 | 5 | 1229 | 0.111 | 0.275 | 0.275 | 2 | 0.00 | 0.04 | 0.04 |
| 24 | 182 | 5 | 26 | 92 | 13 | 1505 | 0.037 | 1.005 | 1.005 | 12 | 0.01 | 0.22 | 0.22 |
| 25 | 182 | 6 | 27 | 65 | 56 | 1505 | 0.076 | 1.693 | 1.693 | 9 | 0.01 | 0.20 | 0.20 |
| 26 | 182 | 7 | 22 | 43 | 75 | 992 | 0.049 | 0.237 | 4.703 | 2 | 0.00 | 0.03 | 0.480 |
| 27 | 182 | 8 | 43 | 0 | 76 | 2642 | 0.029 | 5.447 | | 3 | 0.00 | 0.03 | 0.48 |
| 28 | 183 | 1 | 190 | 190 | 34 | 1186 | 0.029 | 0.070 | 0.070 | 0 | 0.00 | 0.00 | 0.00 |
| 29 | 183 | 2 | 22 | 168 | 3 | 939 | 0.003 | 0.291 | 0.291 | 0 | 0.00 | 0.00 | 0.00 |
| 30 | 183 | 3 | 27 | 141 | 13 | 1207 | 0.011 | 0.261 | 0.261 | 1 | 0.00 | 0.02 | 0.02 |
| 31 | 183 | 4 | 22 | 119 | 16 | 1496 | 0.011 | 0.242 | 0.242 | 3 | 0.00 | 0.05 | 0.05 |
| 32 | 183 | 5 | 20 | 93 | 13 | 1184 | 0.011 | 0.285 | 0.285 | 7 | 0.01 | 0.15 | 0.15 |
| 33 | 183 | 6 | 24 | 63 | 30 | 1612 | 0.061 | 1.221 | 1.221 | 3 | 0.00 | 0.04 | 0.04 |
| 34 | 183 | 7 | 26 | 69 | 68 | 1777 | 0.065 | 1.434 | 1.434 | 7 | 0.00 | 0.10 | 0.10 |
| 35 | 183 | 8 | 26 | 43 | 62 | 1672 | 0.049 | 1.228 | 1.228 | 19 | 0.01 | 0.26 | 0.26 |
| 36 | 183 | 9 | 18 | 18 | 76 | 1899 | 0.041 | 0.732 | 8.801 | 28 | 0.01 | 0.27 | 0.92 |
| 37 | 184 | 1 | 190 | 190 | 22 | 2265 | 0.010 | 1.612 | 1.612 | 1 | 0.00 | 0.06 | 0.06 |
| 38 | 184 | 2 | 20 | 169 | 11 | 1563 | 0.007 | 0.138 | 0.138 | 0 | 0.00 | 0.00 | 0.00 |
| 39 | 184 | 3 | 25 | 144 | 7 | 1607 | 0.004 | 0.109 | 0.109 | 0 | 0.00 | 0.00 | 0.00 |
| 40 | 184 | 4 | 25 | 119 | 6 | 1637 | 0.005 | 0.137 | 0.137 | 0 | 0.00 | 0.00 | 0.00 |
| 41 | 184 | 5 | 25 | 94 | 17 | 1867 | 0.010 | 0.285 | 0.285 | 1 | 0.00 | 0.01 | 0.01 |
| 42 | 184 | 6 | 25 | 69 | 50 | 1751 | 0.029 | 0.714 | 0.714 | 2 | 0.00 | 0.03 | 0.03 |
| 43 | 184 | 7 | 26 | 43 | 35 | 1551 | 0.023 | 0.584 | 0.584 | 7 | 0.00 | 0.12 | 0.12 |
| 44 | 184 | 8 | 25 | 18 | 32 | 1682 | 0.019 | 0.342 | 0.342 | 10 | 0.01 | 0.11 | 0.428 |
| 45 | 185 | 1 | 193 | 193 | 14 | 1628 | 0.009 | 1.659 | 1.659 | 1 | 0.00 | 0.12 | 0.12 |
| 46 | 185 | 2 | 15 | 193 | 6 | 1339 | 0.004 | 0.097 | 0.097 | 0 | 0.00 | 0.00 | 0.00 |
| 47 | 185 | 3 | 35 | 178 | 6 | 1668 | 0.005 | 0.168 | 0.168 | 1 | 0.00 | 0.03 | 0.03 |
| 48 | 185 | 4 | 25 | 118 | 6 | 1632 | 0.005 | 0.123 | 0.123 | 1 | 0.00 | 0.02 | 0.02 |
| 49 | 185 | 5 | 20 | 118 | 11 | 1301 | 0.006 | 0.220 | 0.220 | 0 | 0.00 | 0.00 | 0.00 |
| 50 | 185 | 6 | 92 | 92 | 33 | 3100 | 0.011 | 0.978 | 1.665 | 0 | 0.00 | 0.00 | 0.00 |
| 51 | 186 | 1 | 193 | 193 | 50 | 1684 | 0.030 | 5.798 | 5.798 | 5 | 0.00 | 0.58 | 0.58 |
| 52 | 186 | 2 | 29 | 183 | 7 | 1484 | 0.005 | 0.118 | 0.118 | 0 | 0.00 | 0.00 | 0.00 |
| 53 | 186 | 3 | 25 | 168 | 10 | 1600 | 0.007 | 0.167 | 0.167 | 0 | 0.00 | 0.00 | 0.00 |
| 54 | 186 | 4 | 25 | 143 | 15 | 1852 | 0.010 | 0.242 | 0.242 | 2 | 0.00 | 0.03 | 0.03 |
| 55 | 186 | 5 | 25 | 118 | 38 | 1670 | 0.023 | 0.569 | 0.569 | 4 | 0.00 | 0.06 | 0.06 |
| 56 | 186 | 6 | 26 | 93 | 110 | 1789 | 0.062 | 1.617 | 1.617 | 4 | 0.00 | 0.06 | 0.06 |
| 57 | 187 | 1 | 187 | 187 | 0 | 4103 | 0.000 | 0.000 | 2.712 | 3 | 0.00 | 0.00 | 0.151 |
| 58 | 187 | 2 | 18 | 168 | 15 | 1275 | 0.012 | 2.200 | | 0 | 0.00 | 0.00 | 0.00 |
| 59 | 187 | 3 | 25 | 168 | 10 | 1760 | 0.008 | 0.140 | 0.140 | 0 | 0.00 | 0.00 | 0.00 |
| 60 | 187 | 4 | 25 | 143 | 13 | 1491 | 0.009 | 0.218 | 0.218 | 0 | 0.00 | 0.00 | 0.00 |
| 61 | 187 | 5 | 25 | 118 | 6 | 1743 | 0.005 | 0.115 | 0.115 | 0 | 0.00 | 0.00 | 0.00 |
| 62 | 187 | 6 | 20 | 93 | 20 | 1079 | 0.019 | 0.462 | 0.462 | 2 | 0.00 | 0.05 | 0.05 |
| 63 | 187 | 7 | 28 | 67 | 61 | 1443 | 0.042 | 1.184 | 1.184 | 1 | 0.00 | 0.01 | 0.01 |

96G6 MOCNESS and Squid Data - MOCNESS Data for Zooplankton and Squid Parasitvae by Individual Net and Associated Depth Intervals for Cruise Gyre 96G6 (see Chapter 3, Table 3.1 for summary by Tow Number)

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|-----|-----------|-------|---------------|----------------|-----------------|--------------------------|-----------------|-------------------------|---------------------------------------|------------------------------------|-----------|---------------------------|---|---|
| | MOCNESS # | Net # | Thickness (m) | Open Depth (m) | Close Depth (m) | Displacement Volume (cc) | Volume Filtered | DV (cc/m ³) | Interval Biomass (cc/m ³) | Integrated DV (cc/m ³) | Squid (#) | Squid (g/m ³) | Squid (Interval Squid (mm ²)) | |
| 1 | 187 | 8 | 23 | 39 | 16 | 50 | 902 | 0.051 | 1.171 | | 10 | 0.01 | 0.23 | |
| 85 | 187 | 9 | 16 | 16 | 0 | 36 | 1135 | 0.032 | 0.507 | 3.917 | 5 | 0.00 | 0.07 | |
| 86 | 187 | 10 | 16 | 16 | 0 | 36 | 1135 | 0.032 | 0.507 | | 5 | 0.00 | 0.07 | |
| 87 | 188 | 1 | 183 | 0 | 183 | 32 | 1806 | 0.021 | 3.686 | | 6 | 0.00 | 0.73 | |
| 88 | 188 | 2 | 17 | 183 | 166 | 9 | 1824 | 0.006 | 0.100 | | 0 | 0.00 | 0.00 | |
| 89 | 188 | 3 | 24 | 166 | 142 | 13 | 1471 | 0.009 | 0.212 | | 0 | 0.00 | 0.00 | |
| 90 | 188 | 4 | 142 | 142 | 117 | 13 | 1532 | 0.006 | 0.212 | | 0 | 0.00 | 0.02 | |
| 91 | 188 | 5 | 26 | 117 | 91 | 12 | 1492 | 0.006 | 0.209 | | 1 | 0.00 | 0.02 | |
| 92 | 188 | 6 | 25 | 91 | 66 | 32 | 1496 | 0.021 | 0.535 | | 3 | 0.00 | 0.05 | |
| 93 | 188 | 7 | 27 | 66 | 39 | 60 | 1630 | 0.037 | 0.994 | | 2 | 0.00 | 0.03 | |
| 94 | 188 | 8 | 22 | 39 | 17 | 76 | 1462 | 0.052 | 1.144 | | 23 | 0.00 | 0.00 | |
| 95 | 188 | 9 | 17 | 17 | 1 | 64 | 1434 | 0.045 | 1.144 | 4.120 | 23 | 0.00 | 0.26 | |
| 96 | 189 | 1 | 365 | 0 | 365 | 32 | 3282 | 0.010 | 3.754 | | 1 | 0.00 | 0.12 | |
| 97 | 189 | 2 | 43 | 365 | 342 | 11 | 2613 | 0.004 | 0.181 | | 0 | 0.00 | 0.00 | |
| 98 | 189 | 3 | 90 | 342 | 292 | 10 | 1867 | 0.005 | 0.268 | | 0 | 0.00 | 0.00 | |
| 99 | 189 | 4 | 50 | 292 | 242 | 7 | 1719 | 0.004 | 0.204 | | 0 | 0.00 | 0.00 | |
| 100 | 189 | 5 | 50 | 242 | 192 | 11 | 1764 | 0.006 | 0.312 | | 1 | 0.00 | 0.03 | |
| 101 | 189 | 6 | 50 | 192 | 142 | 8 | 945 | 0.006 | 0.423 | | 0 | 0.00 | 0.00 | |
| 102 | 189 | 7 | 142 | 142 | 0 | 96 | 3649 | 0.025 | 3.615 | 5.003 | 6 | 0.00 | 0.22 | |
| 103 | 189 | 8 | 365 | 0 | 365 | 31 | 2329 | 0.013 | 5.128 | | 0 | 0.00 | 0.00 | |
| 104 | 190 | 1 | 83 | 365 | 332 | 6 | 1362 | 0.004 | 0.233 | | 0 | 0.00 | 0.00 | |
| 105 | 190 | 2 | 83 | 332 | 283 | 10 | 1637 | 0.006 | 0.236 | | 0 | 0.00 | 0.00 | |
| 106 | 190 | 3 | 101 | 283 | 192 | 13 | 2133 | 0.006 | 0.616 | | 0 | 0.00 | 0.00 | |
| 107 | 190 | 4 | 101 | 192 | 91 | 16 | 1502 | 0.011 | 1.076 | | 0 | 0.00 | 0.00 | |
| 108 | 190 | 5 | 49 | 91 | 42 | 44 | 1130 | 0.039 | 1.908 | | 3 | 0.00 | 0.13 | |
| 109 | 190 | 6 | 42 | 42 | 0 | 96 | 1695 | 0.057 | 3.379 | 6.450 | 32 | 0.02 | 0.79 | |
| 110 | 191 | 1 | 393 | 0 | 393 | 24 | 2934 | 0.008 | 3.215 | | 1 | 0.00 | 0.13 | |
| 111 | 191 | 2 | 51 | 393 | 342 | 5 | 1327 | 0.004 | 0.192 | | 0 | 0.00 | 0.00 | |
| 112 | 191 | 3 | 50 | 342 | 292 | 6 | 1484 | 0.005 | 0.270 | | 0 | 0.00 | 0.00 | |
| 113 | 191 | 4 | 100 | 292 | 192 | 6 | 1346 | 0.004 | 0.446 | | 0 | 0.00 | 0.00 | |
| 114 | 191 | 5 | 90 | 192 | 93 | 7 | 1117 | 0.008 | 0.620 | | 0 | 0.00 | 0.00 | |
| 115 | 191 | 6 | 52 | 93 | 41 | 58 | 1483 | 0.039 | 2.020 | | 6 | 0.00 | 0.21 | |
| 116 | 191 | 7 | 41 | 41 | 0 | 26 | 1611 | 0.017 | 0.713 | 4.261 | 9 | 0.01 | 0.23 | |
| 117 | 192 | 1 | 393 | 0 | 393 | 26 | 3611 | 0.007 | 2.681 | | 2 | 0.00 | 0.21 | |
| 118 | 192 | 2 | 55 | 393 | 336 | 7 | 2479 | 0.003 | 0.155 | | 0 | 0.00 | 0.00 | |
| 119 | 192 | 3 | 52 | 336 | 266 | 5 | 1015 | 0.005 | 0.256 | | 0 | 0.00 | 0.00 | |
| 120 | 192 | 4 | 94 | 266 | 192 | 10 | 1692 | 0.000 | 0.000 | | 0 | 0.00 | 0.00 | |
| 121 | 192 | 5 | 100 | 192 | 92 | 10 | 1346 | 0.007 | 0.742 | | 0 | 0.00 | 0.00 | |
| 122 | 192 | 6 | 51 | 92 | 41 | 21 | 813 | 0.026 | 1.317 | | 1 | 0.00 | 0.06 | |
| 123 | 192 | 7 | 41 | 41 | 0 | 70 | 1496 | 0.047 | 1.916 | | 11 | 0.01 | 0.30 | |
| 124 | 193 | 1 | 181 | 0 | 181 | 35 | 1917 | 0.018 | 3.467 | 4.369 | 11 | 0.01 | 1.10 | |
| 125 | 193 | 2 | 48 | 181 | 143 | 13 | 1212 | 0.011 | 0.515 | | 0 | 0.00 | 0.00 | |
| 126 | 193 | 3 | 51 | 143 | 92 | 17 | 1104 | 0.016 | 0.785 | | 0 | 0.00 | 0.00 | |
| 127 | 193 | 4 | 26 | 92 | 66 | 38 | 764 | 0.048 | 1.183 | | 0 | 0.00 | 0.00 | |
| 128 | 193 | 5 | 24 | 66 | 42 | 50 | 1022 | 0.049 | 1.233 | | 7 | 0.01 | 0.17 | |
| 129 | 193 | 6 | 28 | 42 | 17 | 35 | 960 | 0.036 | 0.607 | | 5 | 0.01 | 0.09 | |
| 130 | 193 | 7 | 17 | 17 | 0 | 34 | 1611 | 0.021 | 3.662 | 4.264 | 4 | 0.00 | 0.45 | |
| 131 | 194 | 1 | 183 | 0 | 183 | 16 | 848 | 0.006 | 0.355 | | 0 | 0.00 | 0.00 | |
| 132 | 194 | 2 | 43 | 183 | 140 | 7 | 1262 | 0.014 | 0.733 | | 1 | 0.00 | 0.04 | |
| 133 | 194 | 3 | 51 | 140 | 86 | 15 | 698 | 0.025 | 0.622 | | 0 | 0.00 | 0.00 | |
| 134 | 194 | 4 | 24 | 86 | 65 | 24 | 661 | 0.028 | 0.725 | | 1 | 0.00 | 0.00 | |
| 135 | 194 | 5 | 26 | 65 | 39 | 31 | 767 | 0.039 | 0.906 | | 3 | 0.00 | 0.03 | |
| 136 | 194 | 6 | 23 | 39 | 16 | 62 | 1693 | 0.037 | 0.549 | 3.670 | 2 | 0.00 | 0.03 | |
| 137 | 194 | 7 | 15 | 16 | 1 | 46 | 2094 | 0.023 | 4.149 | | 1 | 0.00 | 0.17 | |
| 138 | 195 | 1 | 181 | 0 | 181 | 9 | 794 | 0.011 | 0.487 | | 0 | 0.00 | 0.05 | |
| 139 | 195 | 2 | 43 | 181 | 139 | 12 | 901 | 0.013 | 0.676 | | 0 | 0.00 | 0.00 | |
| 140 | 195 | 3 | 51 | 139 | 87 | 22 | 886 | 0.025 | 0.670 | | 0 | 0.00 | 0.00 | |
| 141 | 195 | 4 | 27 | 87 | 60 | 35 | 663 | 0.032 | 0.852 | | 1 | 0.00 | 0.00 | |
| 142 | 195 | 5 | 21 | 60 | 39 | 64 | 696 | 0.090 | 1.667 | | 4 | 0.00 | 0.12 | |
| 143 | 195 | 6 | 26 | 39 | 13 | 30 | 828 | 0.036 | 0.471 | 4.727 | 3 | 0.00 | 0.06 | |
| 144 | 195 | 7 | 13 | 13 | 0 | 30 | 1032 | 0.029 | 5.436 | | 1 | 0.00 | 0.18 | |
| 145 | 196 | 1 | 187 | 0 | 187 | 6 | 767 | 0.006 | 0.399 | | 0 | 0.00 | 0.00 | |
| 146 | 196 | 2 | 51 | 187 | 136 | 18 | 1682 | 0.012 | 0.568 | | 3 | 0.00 | 0.06 | |
| 147 | 196 | 3 | 49 | 136 | 87 | | | | | | | | | |

96G6 MOCNESS and Squid Data - MOCNESS Data for Zooplankton and Squid Paratraws by Individual Net and Associated Depth Intervals for Cruise Gyr 96G6 (see Chapter 3, Table 3.1 for summary by Tow Number)

| A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|-----------|--------|---------------|----------------|-----------------|--------------------------|-----------------|-------------------------|----------------------------|------------------------------------|-----------|---------------------------|------------------------------------|---------------------------|
| MOCNESS # | Net # | Thickness (m) | Open Depth (m) | Close Depth (m) | Displacement Volume (cc) | Volume Filtered | DV (cc/m ³) | Interval Biomass (cell/ml) | Integrated DV (cc/m ³) | Squid (#) | Squid (#/m ³) | Interval Squid (#/m ³) | Squid (#/m ³) |
| 128 | 180 | 24 | 87 | 63 | 37 | 738 | 0.027 | 0.650 | | 0 | 0.00 | 0.00 | |
| 129 | 180 | 26 | 63 | 12 | 48 | 603 | 0.055 | 1.307 | | 1 | 0.00 | 0.04 | |
| 130 | 180 | 25 | 37 | 0 | 42 | 796 | 0.053 | 0.634 | 4.324 | 27 | 0.03 | 0.77 | 0.818 |
| 131 | 180 | 7 | 12 | 0 | 28 | 2732 | 0.010 | 1.947 | | 7 | 0.00 | 0.49 | |
| 132 | 187 | 180 | 0 | 180 | 0.006 | 662 | 0.006 | 0.232 | | 0 | 0.00 | 0.00 | |
| 133 | 187 | 50 | 180 | 140 | 4 | 872 | 0.008 | 0.468 | | 2 | 0.00 | 0.12 | |
| 134 | 187 | 51 | 140 | 89 | 8 | 894 | 0.020 | 0.488 | | 4 | 0.00 | 0.11 | |
| 135 | 187 | 24 | 89 | 65 | 18 | 810 | 0.123 | 3.077 | | 21 | 0.02 | 0.58 | |
| 136 | 187 | 5 | 05 | 40 | 12 | 608 | 0.020 | 0.493 | | 1 | 0.00 | 0.04 | |
| 137 | 187 | 6 | 40 | 18 | 27 | 781 | 0.006 | 0.518 | 8.277 | 37 | 0.06 | 0.71 | 1.544 |
| 138 | 187 | 15 | 15 | 0 | 21 | 1289 | 0.016 | 3.079 | | 3 | 0.00 | 0.44 | |
| 139 | 180 | 180 | 0 | 180 | 4 | 747 | 0.006 | 0.268 | | 1 | 0.00 | 0.07 | |
| 140 | 180 | 60 | 180 | 139 | 6 | 789 | 0.008 | 0.265 | | 1 | 0.00 | 0.06 | |
| 141 | 180 | 48 | 139 | 91 | 17 | 578 | 0.029 | 0.871 | | 2 | 0.00 | 0.11 | |
| 142 | 180 | 33 | 91 | 58 | 19 | 398 | 0.048 | 1.394 | | 2 | 0.01 | 0.15 | |
| 143 | 180 | 28 | 58 | 29 | 10 | 668 | 0.015 | 0.320 | 3.488 | 3 | 0.00 | 0.03 | 0.448 |
| 144 | 180 | 22 | 29 | 7 | 19 | 738 | 0.020 | 0.180 | | 1 | 0.00 | 0.00 | |
| 145 | 180 | 7 | 7 | 0 | 5 | 10162 | 0.000 | 0.020 | | | 0.00 | 0.00 | |
| 146 | 180 | 400 | 0 | 400 | 13 | 4082 | 0.003 | 0.316 | | | 0.00 | 0.00 | |
| 147 | MOCA-1 | 100 | 300 | 200 | 0.3 | 3120 | 0.000 | 0.016 | | | 0.00 | 0.00 | |
| 148 | MOCA-1 | 100 | 300 | 150 | 10 | 2838 | 0.004 | 0.778 | | | 0.00 | 0.00 | |
| 149 | MOCA-1 | 50 | 150 | 100 | 27 | 3348 | 0.008 | 0.403 | | | 0.00 | 0.00 | |
| 150 | MOCA-1 | 50 | 100 | 50 | 2 | 3630 | 0.001 | 0.028 | | | 0.00 | 0.00 | |
| 151 | MOCA-1 | 50 | 50 | 0 | 5 | 5821 | 0.001 | 0.042 | 0.983 | | 0.00 | 0.00 | |
| 152 | MOCA-1 | 50 | 0 | 0 | 14 | 13668 | 0.001 | 0.404 | | | 0.00 | 0.00 | |
| 153 | MOCA-1 | 101 | 400 | 289 | 2.5 | 5441 | 0.000 | 0.046 | | | 0.00 | 0.00 | |
| 154 | MOCA-1 | 101 | 289 | 186 | 0.5 | 5284 | 0.000 | 0.010 | | | 0.00 | 0.00 | |
| 155 | MOCA-1 | 101 | 186 | 150 | 14 | 6226 | 0.003 | 0.129 | | | 0.00 | 0.00 | |
| 156 | MOCA-1 | 48 | 60 | 100 | 2 | 6301 | 0.000 | 0.016 | 0.250 | | 0.00 | 0.00 | |
| 157 | MOCA-1 | 60 | 100 | 49 | 4 | 5212 | 0.001 | 0.039 | | | 0.00 | 0.00 | |
| 158 | MOCA-1 | 51 | 100 | 49 | 2 | 5046 | 0.004 | 0.011 | | | 0.00 | 0.00 | |
| 159 | MOCA-1 | 3 | 0 | 3 | 18 | 7642 | 0.002 | 0.659 | | | 0.00 | 0.00 | |
| 160 | MOCA-1 | 400 | 0 | 400 | 10 | 8708 | 0.001 | 0.085 | | | 0.00 | 0.00 | |
| 161 | MOCA-1 | 100 | 400 | 300 | 5 | 7642 | 0.001 | 0.028 | | | 0.00 | 0.00 | |
| 162 | MOCA-1 | 100 | 300 | 200 | 5 | 6537 | 0.001 | 0.078 | | | 0.00 | 0.00 | |
| 163 | MOCA-1 | 51 | 200 | 149 | 1 | 2958 | 0.000 | 0.017 | | | 0.00 | 0.00 | |
| 164 | MOCA-1 | 50 | 149 | 99 | 10 | 3488 | 0.003 | 0.143 | | | 0.00 | 0.00 | |
| 165 | MOCA-1 | 48 | 99 | 50 | 17 | 4428 | 0.004 | 0.188 | | | 0.00 | 0.00 | |
| 166 | MOCA-1 | 50 | 50 | 0 | 5 | 4865 | 0.001 | 0.054 | 0.544 | | 0.00 | 0.00 | |
| 167 | MOCA-1 | 399 | 0 | 399 | 19 | 8051 | 0.002 | 0.876 | | | 0.00 | 0.00 | |
| 168 | MOCA-1 | 100 | 399 | 299 | 8 | 8185 | 0.001 | 0.091 | | | 0.00 | 0.00 | |
| 169 | MOCA-1 | 99 | 299 | 200 | 9 | 7441 | 0.001 | 0.117 | | | 0.00 | 0.00 | |
| 170 | MOCA-1 | 51 | 200 | 149 | 17 | 4451 | 0.004 | 0.185 | | | 0.00 | 0.00 | |
| 171 | MOCA-1 | 48 | 149 | 100 | 32 | 5148 | 0.003 | 0.162 | | | 0.00 | 0.00 | |
| 172 | MOCA-1 | 50 | 100 | 50 | 3 | 6363 | 0.006 | 0.251 | | | 0.00 | 0.00 | |
| 173 | MOCA-1 | 50 | 50 | 0 | 22 | 5489 | 0.004 | 0.200 | 0.985 | | 0.00 | 0.00 | |
| 174 | MOCA-1 | | | | | 13868 000 | | | | | 0.00 | | |
| 175 | MOCA-1 | | | | | 7838 000 | | | | | 0.00 | | |

III. VISUAL SURVEYS FROM AIRCRAFT AND SHIPS

Summary of cetacean sightings from GulfCet II aerial surveys. Location, group size, and depth data.

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|-------------|------|---------------------------------|------------|---------------|----------------|
| SUMMER 1996 | | | | | |
| 960711 | 0936 | <i>Tursiops truncatus</i> | 5 | 291643 880580 | 138 |
| 960711 | 0951 | <i>Physeter macrocephalus</i> | 2 | 285837 880641 | 1342 |
| 960711 | 1008 | <i>Kogia sp.</i> | 2 | 285746 875799 | 1534 |
| 960711 | 1209 | <i>Stenella attenuata</i> | 45 | 290878 872417 | 1124 |
| 960711 | 1222 | <i>Grampus griseus</i> | 9 | 292035 872348 | 541 |
| 960711 | 1254 | <i>Tursiops truncatus</i> | 12 | 295263 872385 | 31 |
| 960711 | 1338 | <i>Tursiops truncatus</i> | 10 | 292716 873982 | 64 |
| 960711 | 1343 | <i>Tursiops truncatus</i> | 6 | 292902 874004 | 58 |
| 960711 | 1347 | <i>Tursiops truncatus</i> | 5 | 293367 873993 | 45 |
| 960712 | 1001 | <i>Grampus griseus</i> | 10 | 293115 871360 | 325 |
| 960712 | 1001 | <i>T. truncatus/S.frontalis</i> | 2 | 293115 871360 | 325 |
| 960712 | 1011 | <i>Stenella attenuata</i> | 36 | 292475 871484 | 440 |
| 960712 | 1017 | <i>Grampus griseus</i> | 7 | 292239 871517 | 524 |
| 960712 | 1042 | <i>Stenella attenuata</i> | 10 | 285635 871974 | 1205 |
| 960712 | 1056 | <i>Physeter macrocephalus</i> | 1 | 283922 872261 | 1250 |
| 960712 | 1127 | <i>Stenella longirostris</i> | 140 | 282785 872093 | 1356 |
| 960712 | 1319 | <i>Tursiops truncatus</i> | 13 | 294672 874900 | 34 |
| 960712 | 1424 | <i>Tursiops truncatus</i> | 32 | 294404 880559 | 34 |
| 960712 | 1432 | <i>Tursiops truncatus</i> | 4 | 295344 880595 | 31 |
| 960713 | 1140 | Unidentified dolphin | 5 | 301443 863646 | 25 |
| 960713 | 1153 | <i>Tursiops truncatus</i> | 7 | 301037 864151 | 27 |
| 960713 | 1201 | <i>Stenella frontalis</i> | 42 | 300582 864107 | 40 |
| 960713 | 1240 | <i>Stenella frontalis</i> | 27 | 300547 865844 | 53 |
| 960714 | 1129 | <i>Stenella attenuata</i> | 125 | 282790 870076 | 872 |
| 960714 | 1205 | <i>Kogia sp.</i> | 5 | 285391 864027 | 446 |
| 960715 | 0916 | <i>Kogia sp.</i> | 1 | 282217 865026 | 826 |
| 960715 | 0919 | <i>Kogia sp.</i> | 1 | 281778 865289 | 941 |
| 960715 | 0926 | Unidentified ziphiidae | 2 | 281152 865026 | 1633 |
| 960715 | 0928 | <i>Kogia sp.</i> | 1 | 281271 864796 | 1280 |
| 960715 | 0934 | <i>Physeter macrocephalus</i> | 1 | 281600 864558 | 899 |
| 960715 | 1032 | <i>Kogia sp.</i> | 1 | 290480 860277 | 226 |
| 960715 | 1037 | <i>Kogia sp.</i> | 1 | 285641 860885 | 288 |
| 960715 | 1047 | <i>Tursiops truncatus</i> | 51 | 285485 860948 | 290 |
| 960715 | 1132 | <i>Stenella coeruleoalba</i> | 48 | 280499 863688 | 1596 |
| 960715 | 1205 | <i>Stenella clymene</i> | 150 | 283033 861688 | 422 |
| 960715 | 1248 | <i>Tursiops truncatus</i> | 7 | 292481 860026 | 58 |
| 960719 | 0843 | <i>Tursiops truncatus</i> | 2 | 285519 855042 | 199 |
| 960719 | 0852 | <i>Tursiops truncatus</i> | 4 | 284778 855514 | 45 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|---------------------------------|---------------|---------------|-------------------|
| 960719 | 0919 | <i>Stenella coeruleoalba</i> | 14 | 281411 861676 | 672 |
| 960719 | 0937 | <i>Stenella attenuata</i> | 250 | 281005 861988 | 773 |
| 960719 | 0937 | <i>Kogia sp.</i> | 3 | 281005 861988 | 773 |
| 960719 | 0943 | Unidentified odontocete | 1 | 280540 862304 | 883 |
| 960719 | 0956 | <i>Stenella attenuata</i> | 10 | 275975 861556 | 1161 |
| 960719 | 1026 | <i>Stenella longirostris</i> | 250 | 282766 855883 | 331 |
| 960719 | 1051 | <i>Tursiops truncatus</i> | 10 | 285958 853801 | 144 |
| 960719 | 1122 | <i>Tursiops truncatus</i> | 4 | 283166 854720 | 256 |
| 960719 | 1136 | <i>Grampus griseus</i> | 9 | 281625 855679 | 460 |
| 960719 | 1144 | <i>Stenella attenuata</i> | 90 | 281013 860115 | 619 |
| 960719 | 1237 | <i>Tursiops truncatus</i> | 10 | 284665 852516 | 107 |
| 960719 | 1245 | <i>Tursiops truncatus</i> | 4 | 285984 853089 | 71 |
| 960719 | 1318 | <i>Tursiops truncatus</i> | 3 | 294914 860793 | 40 |
| 960719 | 1322 | <i>Kogia sp.</i> | 1 | 295681 860796 | 34 |
| 960719 | 1331 | <i>Tursiops truncatus</i> | 5 | 295900 860805 | 32 |
| 960719 | 1331 | <i>T. truncatus/S.frontalis</i> | 10 | 300027 860787 | 32 |
| 960719 | 1336 | <i>Tursiops truncatus</i> | 4 | 300586 860777 | 29 |
| 960719 | 1351 | <i>Tursiops truncatus</i> | 17 | 301069 862381 | 29 |
| 960719 | 1401 | <i>Stenella frontalis</i> | 22 | 300888 862405 | 32 |
| 960720 | 0910 | <i>Tursiops truncatus</i> | 3 | 283988 851716 | 129 |
| 960720 | 0924 | <i>Tursiops truncatus</i> | 5 | 282346 853115 | 221 |
| 960720 | 0936 | <i>Stenella attenuata</i> | 170 | 281758 853653 | 303 |
| 960720 | 0943 | <i>Grampus griseus</i> | 6 | 280952 854362 | 471 |
| 960720 | 1005 | <i>Tursiops truncatus</i> | 1 | 275594 854767 | 810 |
| 960720 | 1014 | <i>Stenella attenuata</i> | 55 | 280082 854253 | 658 |
| 960720 | 1029 | <i>Stenella attenuata</i> | 45 | 281030 853269 | 374 |
| 960720 | 1045 | <i>Tursiops truncatus</i> | 1 | 281949 852346 | 213 |
| 960720 | 1059 | Unidentified dolphin | 1 | 283290 850921 | 126 |
| 960720 | 1115 | <i>Stenella frontalis</i> | 35 | 283908 850462 | 87 |
| 960720 | 1155 | <i>Stenella attenuata</i> | 160 | 275468 853913 | 733 |
| 960720 | 1159 | <i>Mesoplodon sp.</i> | 2 | 275320 854076 | 791 |
| 960720 | 1221 | <i>Stenella attenuata</i> | 165 | 274813 853612 | 822 |
| 960720 | 1230 | <i>Kogia sp.</i> | 1 | 275742 852310 | 493 |
| 960720 | 1246 | <i>Tursiops truncatus</i> | 5 | 281274 850278 | 159 |
| 960721 | 1106 | <i>T. truncatus/S.frontalis</i> | 2 | 281334 844915 | 82 |
| 960721 | 1120 | <i>Tursiops truncatus</i> | 6 | 280401 850273 | 217 |
| 960721 | 1130 | <i>Tursiops truncatus</i> | 15 | 275925 850786 | 298 |
| 960721 | 1152 | <i>Stenella clymene</i> | 95 | 275620 851328 | 387 |
| 960721 | 1212 | <i>Tursiops truncatus</i> | 5 | 273846 853729 | 1521 |
| 960721 | 1216 | <i>Kogia sp.</i> | 4 | 273724 853926 | 2168 |
| 960721 | 1223 | <i>Tursiops truncatus</i> | 1 | 273445 853292 | 1444 |
| 960721 | 1406 | <i>Balaenoptera edeni</i> | 7 | 275754 845861 | 237 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|----------------------------------|------------|---------------|----------------|
| 960721 | 1406 | <i>Tursiops truncatus</i> | 6 | 275754 845861 | 237 |
| 960722 | 0903 | <i>Tursiops truncatus</i> | 1 | 275735 843677 | 96 |
| 960722 | 0947 | <i>Ziphius cavirostris</i> | 1 | 272115 853038 | 2446 |
| 960722 | 0947 | Unidentified dolphin | 1 | 272115 853038 | 2446 |
| 960722 | 1000 | <i>Stenella attenuata</i> | 100 | 272687 851873 | 854 |
| 960722 | 1007 | <i>Kogia sp.</i> | 2 | 273333 850572 | 460 |
| 960722 | 1032 | <i>Tursiops truncatus</i> | 15 | 274988 843167 | 98 |
| 960722 | 1056 | <i>Stenella frontalis</i> | 85 | 273836 843563 | 146 |
| 960722 | 1116 | <i>Grampus griseus</i> | 8 | 272828 850108 | 400 |
| 960722 | 1140 | <i>Stenella clymene</i> | 80 | 271994 851984 | 1014 |
| 960722 | 1146 | <i>Stenella attenuata</i> | 16 | 272007 852069 | 1057 |
| 960722 | 1158 | Unidentified dolphin | 2 | 271086 852774 | 3041 |
| 960722 | 1205 | <i>Mesoplodon sp.</i> | 2 | 271080 852110 | 1453 |
| 960722 | 1212 | <i>Ziphius cavirostris</i> | 1 | 271285 851678 | 1086 |
| 960722 | 1248 | <i>Stenella frontalis</i> | 1 | 273551 842226 | 85 |
| 960723 | 0908 | <i>Stenella frontalis</i> | 42 | 270132 841424 | 117 |
| 960723 | 0948 | <i>Kogia sp.</i> | 1 | 265506 850024 | 865 |
| 960723 | 1056 | <i>Grampus griseus</i> | 10 | 265643 851593 | 2569 |
| 960723 | 1059 | <i>Grampus griseus</i> | 11 | 265844 851835 | 2801 |
| 960723 | 1112 | Unidentified odontocete | 3 | 270405 851481 | 1351 |
| 960723 | 1140 | <i>Tursiops truncatus</i> | 4 | 272188 843221 | 140 |
| 960730 | 1345 | <i>Stenella attenuata</i> | 120 | 264412 845219 | 453 |
| 960730 | 1350 | <i>Mesoplodon sp.</i> | 1 | 264303 845898 | 1907 |
| 960730 | 1410 | <i>Grampus griseus</i> | 38 | 263961 844717 | 281 |
| 960730 | 1455 | <i>T. truncatus/S. frontalis</i> | 2 | 263769 841419 | 144 |
| 960730 | 1539 | <i>Tursiops truncatus</i> | 25 | 262528 844126 | 234 |
| 960731 | 0952 | <i>Stenella frontalis</i> | 26 | 260217 835477 | 115 |
| 960731 | 1004 | <i>Tursiops truncatus</i> | 27 | 260117 840149 | 137 |
| 960731 | 1036 | <i>Stenella attenuata</i> | 23 | 255476 844489 | 854 |
| 960731 | 1041 | <i>Mesoplodon sp.</i> | 2 | 255430 845029 | 1397 |
| 960731 | 1234 | <i>Stenella attenuata</i> | 120 | 261712 843716 | 223 |

WINTER 1997

| | | | | | |
|--------|------|-------------------------------|----|---------------|------|
| 970207 | 1038 | <i>Physeter macrocephalus</i> | 2 | 290135 873217 | 1613 |
| 970211 | 1328 | <i>Tursiops truncatus</i> | 1 | 295165 872206 | 36 |
| 970211 | 1404 | <i>Tursiops truncatus</i> | 45 | 295698 871302 | 38 |
| 970211 | 1405 | <i>Tursiops truncatus</i> | 22 | 295489 871336 | 51 |
| 970211 | 1420 | <i>Tursiops truncatus</i> | 1 | 295922 870410 | 62 |
| 970211 | 1427 | <i>Tursiops truncatus</i> | 1 | 300711 870393 | 27 |
| 970211 | 1432 | <i>Tursiops truncatus</i> | 2 | 301462 865836 | 25 |
| 970211 | 1520 | <i>Stenella frontalis</i> | 6 | 300699 863089 | 34 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|---------------------------------|------------|---------------|----------------|
| 970211 | 1527 | <i>Tursiops truncatus</i> | 56 | 300786 863079 | 32 |
| 970211 | 1548 | <i>Tursiops truncatus</i> | 6 | 300032 862177 | 45 |
| 970211 | 1610 | <i>Tursiops truncatus</i> | 3 | 294448 861398 | 53 |
| 970216 | 0931 | <i>Tursiops truncatus</i> | 18 | 300546 880494 | 14 |
| 970216 | 0948 | <i>Tursiops truncatus</i> | 3 | 294091 880422 | 36 |
| 970216 | 1024 | <i>Tursiops truncatus</i> | 32 | 294031 875578 | 38 |
| 970216 | 1031 | <i>Tursiops truncatus</i> | 6 | 294206 875586 | 36 |
| 970216 | 1043 | <i>Tursiops truncatus</i> | 2 | 300001 875621 | 21 |
| 970216 | 1048 | <i>Tursiops truncatus</i> | 3 | 300227 875631 | 18 |
| 970216 | 1049 | <i>Tursiops truncatus</i> | 1 | 300424 875616 | 16 |
| 970219 | 0953 | <i>Tursiops truncatus</i> | 6 | 295838 875588 | 25 |
| 970219 | 1019 | <i>Tursiops truncatus</i> | 4 | 294975 874753 | 32 |
| 970219 | 1056 | <i>Tursiops truncatus</i> | 4 | 293804 873836 | 38 |
| 970219 | 1125 | <i>Stenella frontalis</i> | 14 | 300350 874031 | 23 |
| 970219 | 1138 | <i>Tursiops truncatus</i> | 3 | 300204 873032 | 23 |
| 970219 | 1213 | <i>T. truncatus/S.frontalis</i> | 1 | 294817 872212 | 60 |
| 970302 | 1449 | <i>Stenella coeruleoalba</i> | 65 | 290588 870832 | 866 |
| 970302 | 1551 | <i>Stenella attenuata</i> | 80 | 290156 871709 | 1068 |
| 970303 | 1250 | <i>Tursiops truncatus</i> | 4 | 292167 862213 | 212 |
| 970303 | 1301 | <i>Tursiops truncatus</i> | 7 | 291478 862664 | 307 |
| 970303 | 1333 | <i>Kogia sp.</i> | 1 | 283170 865005 | 678 |
| 970303 | 1400 | <i>Stenella coeruleoalba</i> | 40 | 282254 865533 | 863 |
| 970303 | 1434 | <i>Kogia sp.</i> | 2 | 283986 865266 | 645 |
| 970303 | 1441 | <i>Tursiops truncatus</i> | 11 | 284230 865106 | 607 |
| 970303 | 1512 | <i>Tursiops truncatus</i> | 6 | 291442 863666 | 380 |
| 970303 | 1520 | <i>Grampus griseus</i> | 4 | 291614 863584 | 365 |
| 970303 | 1534 | <i>T. truncatus/S.frontalis</i> | 6 | 292583 863187 | 235 |
| 970303 | 1540 | <i>T. truncatus/S.frontalis</i> | 2 | 292708 863124 | 219 |
| 970303 | 1637 | <i>Stenella frontalis</i> | 10 | 300889 860573 | 27 |
| 970304 | 0849 | <i>Tursiops truncatus</i> | 6 | 295412 864305 | 118 |
| 970304 | 0909 | <i>Grampus griseus</i> | 5 | 292345 865349 | 480 |
| 970304 | 0913 | <i>Tursiops truncatus</i> | 4 | 292245 865388 | 501 |
| 970304 | 0941 | <i>Stenella coeruleoalba</i> | 55 | 291737 865554 | 566 |
| 970304 | 1037 | <i>Stenella attenuata</i> | 85 | 281677 871629 | 1764 |
| 970304 | 1038 | <i>Grampus griseus</i> | 10 | 281561 871607 | 2040 |
| 970304 | 1050 | Unidentified large whale | 1 | 282101 870731 | 1106 |
| 970304 | 1126 | <i>Grampus griseus</i> | 3 | 291313 864717 | 459 |
| 970304 | 1137 | <i>Tursiops truncatus</i> | 140 | 291910 864446 | 407 |
| 970304 | 1335 | <i>Grampus griseus</i> | 4 | 285776 862633 | 358 |
| 970304 | 1405 | Unidentified small whale | 1 | 281164 865364 | 059 |
| 970304 | 1434 | <i>Tursiops truncatus</i> | 42 | 283232 863260 | 521 |
| 970304 | 1530 | <i>Tursiops truncatus</i> | 1 | 294306 855808 | 38 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|----------------------------------|------------|---------------|----------------|
| 970304 | 1542 | <i>Tursiops truncatus</i> | 10 | 295670 855809 | 32 |
| 970305 | 1119 | <i>Stenella frontalis</i> | 2 | 290566 855957 | 206 |
| 970305 | 1149 | <i>Grampus griseus</i> | 5 | 283273 862268 | 435 |
| 970305 | 1154 | <i>Grampus griseus</i> | 3 | 283141 862362 | 459 |
| 970305 | 1232 | <i>Stenella attenuata</i> | 105 | 280783 864038 | 1313 |
| 970305 | 1326 | <i>Stenella longirostris</i> | 630 | 282655 861563 | 446 |
| 970305 | 1336 | <i>Tursiops truncatus</i> | 9 | 283174 861313 | 387 |
| 970305 | 1344 | <i>Grampus griseus</i> | 2 | 283704 860963 | 340 |
| 970305 | 1412 | <i>Tursiops truncatus</i> | 2 | 291089 854570 | 93 |
| 970305 | 1425 | <i>Tursiops truncatus</i> | 2 | 290543 854085 | 133 |
| 970305 | 1505 | <i>Stenella longirostris</i> | 350 | 282348 860830 | 438 |
| 970305 | 1530 | <i>Stenella attenuata</i> | 53 | 275834 862449 | 2426 |
| 970305 | 1544 | <i>Stenella attenuata</i> | 17 | 280864 860764 | 707 |
| 970305 | 1553 | <i>Stenella attenuata</i> | 24 | 281694 860258 | 497 |
| 970305 | 1618 | <i>Tursiops truncatus</i> | 1 | 285098 854091 | 177 |
| 970308 | 1137 | <i>T. truncatus/S. frontalis</i> | 4 | 300355 860611 | 29 |
| 970308 | 1254 | <i>Grampus griseus</i> | 2 | 281143 855708 | 561 |
| 970308 | 1323 | <i>Grampus griseus</i> | 5 | 281052 854872 | 495 |
| 970308 | 1327 | <i>Tursiops truncatus</i> | 10 | 281146 854780 | 486 |
| 970308 | 1335 | <i>Grampus griseus</i> | 2 | 281894 854289 | 323 |
| 970308 | 1349 | <i>Tursiops truncatus</i> | 4 | 282622 853794 | 241 |
| 970308 | 1411 | <i>Stenella frontalis</i> | 14 | 284462 852363 | 117 |
| 970308 | 1447 | <i>Tursiops truncatus</i> | 6 | 281594 853495 | 312 |
| 970308 | 1447 | <i>Grampus griseus</i> | 11 | 281594 853495 | 312 |
| 970308 | 1450 | <i>Grampus griseus</i> | 3 | 281466 853665 | 338 |
| 970308 | 1508 | <i>Stenella coeruleoalba</i> | 60 | 280643 854261 | 535 |
| 970308 | 1648 | <i>Tursiops truncatus</i> | 2 | 294080 860632 | 45 |
| 970308 | 1705 | <i>Tursiops truncatus</i> | 1 | 300872 860607 | 27 |
| 970310 | 0921 | <i>Tursiops truncatus</i> | 1 | 275181 850093 | 290 |
| 970310 | 1014 | <i>Tursiops truncatus</i> | 1 | 274666 845200 | 234 |
| 970310 | 1056 | <i>Grampus griseus</i> | 4 | 273533 845652 | 307 |
| 970310 | 1139 | <i>Grampus griseus</i> | 4 | 272653 845817 | 352 |
| 970310 | 1152 | <i>Tursiops truncatus</i> | 8 | 273181 844548 | 210 |
| 970310 | 1229 | Unidentified odontocete | 1 | 272531 844164 | 193 |
| 970310 | 1242 | <i>Grampus griseus</i> | 1 | 272172 844995 | 250 |
| 970310 | 1319 | <i>Tursiops truncatus</i> | 19 | 270850 850006 | 541 |
| 970310 | 1341 | <i>Stenella frontalis</i> | 53 | 271657 844052 | 184 |
| 970311 | 0936 | <i>Stenella frontalis</i> | 21 | 282496 850102 | 106 |
| 970311 | 0957 | <i>Grampus griseus</i> | 4 | 280489 852352 | 373 |
| 970311 | 1002 | <i>Grampus griseus</i> | 4 | 280360 852516 | 396 |
| 970311 | 1048 | <i>Stenella attenuata</i> | 90 | 275382 852459 | 579 |
| 970311 | 1224 | <i>Tursiops truncatus</i> | 8 | 280725 850584 | 212 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|-----------------------------|------------|---------------|----------------|
| 970311 | 1224 | <i>Balaenoptera edeni</i> | 1 | 280725 850584 | 212 |
| 970311 | 1226 | <i>Tursiops truncatus</i> | 6 | 280811 850505 | 197 |
| 970311 | 1309 | <i>Tursiops truncatus</i> | 3 | 274749 852104 | 601 |
| 970319 | 0955 | <i>Pseudorca crassidens</i> | 30 | 265056 850754 | 2403 |
| 970319 | 1007 | <i>Grampus griseus</i> | 12 | 265059 841839 | 140 |
| 970319 | 1243 | <i>Stenella attenuata</i> | 50 | 263299 850061 | 2503 |
| 970319 | 1256 | <i>Tursiops truncatus</i> | 3 | 262941 844815 | 395 |
| 970319 | 1309 | <i>Stenella attenuata</i> | 27 | 263075 844147 | 235 |
| 970319 | 1340 | <i>Tursiops truncatus</i> | 7 | 263826 840129 | 111 |
| 970319 | 1346 | <i>Tursiops truncatus</i> | 5 | 263916 835562 | 91 |
| 970320 | 1001 | <i>Mesoplodon sp.</i> | 2 | 260066 844543 | 735 |

SUMMER 1997

| | | | | | |
|--------|------|---------------------------------|----|---------------|------|
| 970715 | 1038 | Unidentified odontocete | 1 | 285335 874841 | 1810 |
| 970715 | 1121 | <i>Stenella attenuata</i> | 60 | 291650 873184 | 716 |
| 970715 | 1150 | <i>Stenella attenuata</i> | 14 | 282882 873326 | 2339 |
| 970715 | 1225 | <i>Stenella attenuata</i> | 95 | 291214 872386 | 1020 |
| 970715 | 1312 | <i>Tursiops truncatus</i> | 28 | 294749 872300 | 60 |
| 970715 | 1319 | <i>T. truncatus/S.frontalis</i> | 4 | 295376 872309 | 29 |
| 970715 | 1331 | <i>T. truncatus/S.frontalis</i> | 6 | 295858 872306 | 29 |
| 970716 | 0913 | <i>Tursiops truncatus</i> | 5 | 295639 880495 | 29 |
| 970716 | 0919 | <i>Tursiops truncatus</i> | 2 | 294904 880514 | 32 |
| 970716 | 0945 | <i>Tursiops truncatus</i> | 3 | 292565 875745 | 56 |
| 970716 | 1040 | <i>T. truncatus/S.frontalis</i> | 6 | 293500 874829 | 38 |
| 970716 | 1107 | <i>Tursiops truncatus</i> | 2 | 294606 873888 | 34 |
| 970716 | 1117 | <i>Tursiops truncatus</i> | 1 | 300135 873895 | 25 |
| 970716 | 1138 | <i>Tursiops truncatus</i> | 90 | 300099 873132 | 25 |
| 970716 | 1154 | <i>Tursiops truncatus</i> | 6 | 294194 873103 | 43 |
| 970716 | 1204 | <i>Tursiops truncatus</i> | 65 | 293725 873098 | 60 |
| 970716 | 1226 | <i>Tursiops truncatus</i> | 6 | 294453 872290 | 69 |
| 970716 | 1316 | <i>T. truncatus/S.frontalis</i> | 4 | 301113 870526 | 27 |
| 970716 | 1326 | <i>Tursiops truncatus</i> | 2 | 301134 865728 | 25 |
| 970716 | 1335 | <i>Stenella frontalis</i> | 57 | 300722 865738 | 40 |
| 970716 | 1342 | <i>Tursiops truncatus</i> | 30 | 300446 865734 | 71 |
| 970717 | 1001 | <i>Stenella longirostris</i> | 47 | 291679 871546 | 669 |
| 970717 | 1015 | <i>Stenella attenuata</i> | 75 | 290669 871702 | 980 |
| 970717 | 1027 | <i>Stenella attenuata</i> | 12 | 290026 871835 | 1117 |
| 970717 | 1121 | <i>Physeter macrocephalus</i> | 1 | 291173 870754 | 784 |
| 970717 | 1156 | <i>T. truncatus/S.frontalis</i> | 1 | 295915 865395 | 122 |
| 970717 | 1220 | <i>T. truncatus/S.frontalis</i> | 5 | 300708 863984 | 34 |
| 970723 | 0914 | <i>Kogia sp.</i> | 2 | 290312 870133 | 694 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|---------------------------------|------------|---------------|----------------|
| 970723 | 0934 | <i>Kogia sp.</i> | 1 | 283617 871024 | 929 |
| 970723 | 0946 | <i>Stenella attenuata</i> | 23 | 282742 871313 | 1126 |
| 970723 | 0956 | <i>Physeter macrocephalus</i> | 3 | 282563 871470 | 1199 |
| 970723 | 1014 | <i>Kogia sp.</i> | 1 | 282036 870844 | 1166 |
| 970723 | 1018 | <i>Kogia sp.</i> | 6 | 282181 870782 | 1104 |
| 970723 | 1022 | <i>Physeter macrocephalus</i> | 1 | 282514 870664 | 1018 |
| 970723 | 1029 | <i>Stenella attenuata</i> | 30 | 282784 870542 | 930 |
| 970723 | 1107 | <i>Stenella coeruleoalba</i> | 28 | 284301 870144 | 726 |
| 970723 | 1146 | <i>Tursiops truncatus</i> | 1 | 293706 863854 | 177 |
| 970723 | 1211 | <i>T. truncatus/S.frontalis</i> | 3 | 293686 861504 | 65 |
| 970723 | 1214 | <i>T. truncatus/S.frontalis</i> | 1 | 293891 861489 | 60 |
| 970723 | 1222 | <i>Tursiops truncatus</i> | 2 | 294832 861508 | 54 |
| 970723 | 1301 | <i>T. truncatus/S.frontalis</i> | 3 | 293233 860703 | 73 |
| 970723 | 1315 | <i>Tursiops truncatus</i> | 4 | 292482 855888 | 54 |
| 970723 | 1323 | <i>Tursiops truncatus</i> | 2 | 293456 855905 | 42 |
| 970723 | 1338 | <i>Tursiops truncatus</i> | 29 | 295057 855890 | 36 |
| 970724 | 0857 | <i>Stenella frontalis</i> | 13 | 292917 863161 | 206 |
| 970724 | 0915 | <i>Tursiops truncatus</i> | 20 | 291698 863781 | 373 |
| 970724 | 1009 | <i>Stenella attenuata</i> | 6 | 282195 865687 | 899 |
| 970724 | 1038 | <i>Stenella longirostris</i> | 325 | 284078 864621 | 559 |
| 970724 | 1110 | <i>Tursiops truncatus</i> | 4 | 291219 862895 | 336 |
| 970724 | 1130 | <i>Stenella frontalis</i> | 11 | 292990 861897 | 133 |
| 970724 | 1149 | <i>Tursiops truncatus</i> | 3 | 292516 861125 | 109 |
| 970724 | 1202 | <i>Tursiops truncatus</i> | 9 | 291264 861832 | 267 |
| 970724 | 1222 | <i>Tursiops truncatus</i> | 12 | 290118 862597 | 352 |
| 970724 | 1231 | <i>T. truncatus/S.frontalis</i> | 30 | 285690 862823 | 369 |
| 970724 | 1308 | <i>Tursiops truncatus</i> | 22 | 281448 865286 | 1353 |
| 970724 | 1339 | <i>Tursiops truncatus</i> | 11 | 284010 862892 | 426 |
| 970724 | 1355 | <i>Tursiops truncatus</i> | 7 | 285905 861714 | 316 |
| 970724 | 1404 | <i>Stenella attenuata</i> | 135 | 285988 861199 | 292 |
| 970725 | 0914 | <i>Kogia sp.</i> | 1 | 283130 862454 | 464 |
| 970725 | 0919 | <i>Tursiops truncatus</i> | 12 | 282913 862665 | 502 |
| 970725 | 1011 | <i>Tursiops truncatus</i> | 4 | 284116 860763 | 318 |
| 970725 | 1021 | <i>Stenella attenuata</i> | 130 | 284686 860351 | 288 |
| 970725 | 1032 | <i>Tursiops truncatus</i> | 1 | 290130 855368 | 201 |
| 970725 | 1042 | <i>Tursiops truncatus</i> | 10 | 291281 854585 | 84 |
| 970725 | 1058 | <i>Stenella frontalis</i> | 3 | 290867 853994 | 98 |
| 970725 | 1112 | <i>Tursiops truncatus</i> | 2 | 285404 854966 | 201 |
| 970725 | 1117 | <i>Tursiops truncatus</i> | 11 | 284950 855252 | 232 |
| 970725 | 1130 | <i>Tursiops truncatus</i> | 7 | 283532 860261 | 318 |
| 970725 | 1139 | <i>Tursiops truncatus</i> | 2 | 282788 860649 | 369 |
| 970725 | 1156 | Unidentified odontocete | 1 | 280603 862156 | 863 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|------------------------------|---------------|---------------|-------------------|
| 970725 | 1234 | <i>Tursiops truncatus</i> | 38 | 282118 860074 | 415 |
| 970725 | 1300 | <i>Stenella attenuata</i> | 225 | 282642 855672 | 336 |
| 970725 | 1307 | <i>Tursiops truncatus</i> | 4 | 283303 855374 | 285 |
| 970725 | 1311 | <i>Tursiops truncatus</i> | 1 | 283932 854975 | 246 |
| 970726 | 0924 | <i>Tursiops truncatus</i> | 9 | 283583 854230 | 219 |
| 970726 | 1051 | <i>Tursiops truncatus</i> | 2 | 283688 851808 | 146 |
| 970726 | 1109 | <i>Tursiops truncatus</i> | 13 | 282093 853216 | 245 |
| 970726 | 1218 | <i>Tursiops truncatus</i> | 8 | 282800 851267 | 157 |
| 970726 | 1223 | <i>Tursiops truncatus</i> | 2 | 283176 850905 | 129 |
| 970727 | 0932 | Unidentified odontocete | 1 | 275192 853986 | 795 |
| 970727 | 1031 | <i>Stenella attenuata</i> | 50 | 275995 851245 | 327 |
| 970727 | 1057 | Unidentified dolphin | 1 | 281219 844841 | 80 |
| 970729 | 1441 | <i>Stenella sp.</i> | 375 | 273684 854426 | 2980 |
| 970729 | 1547 | <i>Pseudorca crassidens</i> | 31 | 274768 851718 | 528 |
| 970729 | 1604 | <i>Stenella attenuata</i> | 70 | 275552 851101 | 363 |
| 970730 | 0851 | <i>Stenella frontalis</i> | 9 | 265155 841683 | 135 |
| 970730 | 0902 | <i>Tursiops truncatus</i> | 3 | 265090 842032 | 148 |
| 970730 | 1033 | <i>Tursiops truncatus</i> | 1 | 263769 840974 | 137 |
| 970730 | 1051 | <i>Stenella frontalis</i> | 19 | 263658 841546 | 148 |
| 970731 | 1001 | <i>Tursiops truncatus</i> | 8 | 263234 843841 | 212 |
| 970731 | 1026 | Unidentified small whale | 3 | 262254 845366 | 1375 |
| 970731 | 1139 | <i>Ziphius cavirostris</i> | 3 | 261472 844968 | 985 |
| 970731 | 1355 | <i>Tursiops truncatus</i> | 9 | 265929 844613 | 232 |
| 970801 | 1009 | <i>Stenella attenuata</i> | 75 | 271273 845135 | 272 |
| 970801 | 1146 | <i>Steno bredanensis</i> | 34 | 271862 850190 | 490 |
| 970801 | 1244 | <i>Stenella coeruleoalba</i> | 45 | 272555 850318 | 449 |
| 970804 | 0953 | <i>Stenella attenuata</i> | 70 | 255998 845382 | 1907 |
| 970804 | 1022 | <i>Stenella attenuata</i> | 41 | 255558 843587 | 268 |
| 970806 | 1000 | <i>Stenella attenuata</i> | 21 | 273273 853414 | 1781 |
| 970806 | 1006 | <i>Stenella attenuata</i> | 34 | 272802 853660 | 3112 |
| 970806 | 1036 | <i>Stenella attenuata</i> | 67 | 274006 850605 | 413 |
| 970806 | 1051 | <i>Tursiops truncatus</i> | 8 | 274395 850182 | 338 |
| 970806 | 1105 | <i>Tursiops truncatus</i> | 2 | 275357 844120 | 135 |
| 970806 | 1140 | <i>Kogia sp.</i> | 1 | 273056 850886 | 554 |
| 970806 | 1209 | <i>Mesoplodon sp.</i> | 4 | 272204 851114 | 749 |
| 970806 | 1236 | <i>Tursiops truncatus</i> | 10 | 273679 843641 | 146 |
| 970806 | 1239 | <i>Tursiops truncatus</i> | 10 | 273737 843444 | 137 |

WINTER 1998

| | | | | | |
|--------|------|---------------------------------|----|---------------|----|
| 980208 | 1058 | <i>T. truncatus/S.frontalis</i> | 1 | 293876 880840 | 36 |
| 980208 | 1111 | <i>Tursiops truncatus</i> | 25 | 293282 880909 | 40 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|---------------------------------|---------------|---------------|-------------------|
| 980208 | 1142 | <i>Stenella frontalis</i> | 38 | 293584 875999 | 38 |
| 980208 | 1230 | <i>Stenella frontalis</i> | 72 | 293062 875150 | 43 |
| 980208 | 1307 | <i>Tursiops truncatus</i> | 2 | 300023 874228 | 27 |
| 980208 | 1315 | <i>Tursiops truncatus</i> | 4 | 300470 874203 | 20 |
| 980209 | 0907 | <i>Physeter macrocephalus</i> | 5 | 285938 880774 | 1190 |
| 980209 | 1002 | <i>Grampus griseus</i> | 57 | 291107 875105 | 590 |
| 980209 | 1012 | <i>Grampus griseus</i> | 21 | 285618 875149 | 1633 |
| 980209 | 1051 | <i>Stenella coeruleoalba</i> | 160 | 291237 874235 | 735 |
| 980209 | 1052 | <i>Physeter macrocephalus</i> | 1 | 291394 874230 | 544 |
| 980209 | 1119 | <i>Tursiops truncatus</i> | 110 | 292218 873255 | 221 |
| 980209 | 1136 | <i>Stenella sp.</i> | 15 | 285148 873618 | 2061 |
| 980209 | 1218 | <i>Globicephala sp.</i> | 33 | 290882 872724 | 1212 |
| 980209 | 1218 | <i>Grampus griseus</i> | 10 | 290882 872724 | 1212 |
| 980209 | 1229 | <i>Tursiops truncatus</i> | 30 | 292813 872457 | 212 |
| 980209 | 1251 | <i>Tursiops truncatus</i> | 9 | 293991 871401 | 230 |
| 980209 | 1301 | <i>Tursiops truncatus</i> | 5 | 292843 871644 | 363 |
| 980209 | 1314 | <i>Stenella coeruleoalba</i> | 73 | 291368 871863 | 817 |
| 980209 | 1336 | <i>Stenella clymene</i> | 130 | 290877 872010 | 993 |
| 980212 | 1222 | <i>Tursiops truncatus</i> | 52 | 292548 871668 | 422 |
| 980212 | 1301 | <i>Stenella attenuata</i> | 36 | 283809 872514 | 1329 |
| 980212 | 1330 | <i>Stenella attenuata</i> | 47 | 284969 871692 | 1064 |
| 980212 | 1359 | <i>Stenella clymene</i> | 32 | 285186 871819 | 1099 |
| 980212 | 1404 | <i>Stenella sp.</i> | 50 | 285126 871809 | 1099 |
| 980212 | 1507 | <i>T. truncatus/S.frontalis</i> | 5 | 300569 870003 | 36 |
| 980212 | 1525 | <i>Tursiops truncatus</i> | 2 | 300112 870829 | 34 |
| 980212 | 1542 | <i>Tursiops truncatus</i> | 1 | 295451 871724 | 36 |
| 980212 | 1614 | <i>Tursiops truncatus</i> | 8 | 294422 872644 | 51 |
| 980212 | 1618 | <i>Tursiops truncatus</i> | 4 | 294261 872624 | 53 |
| 980212 | 1638 | <i>Tursiops truncatus</i> | 3 | 294101 873426 | 40 |
| 980212 | 1646 | <i>Tursiops truncatus</i> | 2 | 295269 873417 | 32 |
| 980213 | 1231 | <i>Tursiops truncatus</i> | 8 | 300676 870047 | 2 |
| 980213 | 1244 | <i>Tursiops truncatus</i> | 2 | 301237 865214 | 25 |
| 980213 | 1256 | <i>Tursiops truncatus</i> | 3 | 300908 864325 | 29 |
| 980213 | 1343 | <i>Physeter macrocephalus</i> | 1 | 285523 870776 | 828 |
| 980213 | 1359 | <i>Grampus griseus</i> | 11 | 283593 871407 | 1018 |
| 980213 | 1428 | <i>Ziphius cavirostris</i> | 3 | 282150 871156 | 1269 |
| 980213 | 1530 | <i>Tursiops truncatus</i> | 8 | 295244 863582 | 98 |
| 980219 | 1105 | <i>Tursiops truncatus</i> | 5 | 300384 861848 | 36 |
| 980219 | 1124 | <i>Tursiops truncatus</i> | 3 | 300340 861048 | 32 |
| 980219 | 1145 | <i>Tursiops truncatus</i> | 4 | 294285 861089 | 47 |
| 980219 | 1146 | <i>Tursiops truncatus</i> | 2 | 294022 861076 | 51 |
| 980224 | 1240 | <i>Stenella frontalis</i> | 31 | 295997 862617 | 49 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|---------------------------------|---------------|---------------|-------------------|
| 980224 | 1330 | <i>Tursiops truncatus</i> | 110 | 285375 864284 | 471 |
| 980224 | 1345 | <i>Stenella attenuata</i> | 8 | 283512 865356 | 693 |
| 980224 | 1352 | <i>Stenella attenuata</i> | 27 | 283144 865572 | 757 |
| 980224 | 1402 | <i>Stenella attenuata</i> | 99 | 282782 865756 | 832 |
| 980224 | 1408 | <i>Stenella attenuata</i> | 73 | 282425 865978 | 916 |
| 980224 | 1418 | <i>Stenella attenuata</i> | 20 | 281450 865722 | 1505 |
| 980224 | 1423 | <i>Physeter macrocephalus</i> | 1 | 281787 865478 | 978 |
| 980224 | 1432 | <i>Stenella attenuata</i> | 11 | 282625 865037 | 764 |
| 980224 | 1439 | <i>Stenella attenuata</i> | 16 | 283301 864510 | 625 |
| 980224 | 1454 | <i>Feresa attenuata</i> | 6 | 283503 864492 | 603 |
| 980224 | 1519 | <i>Tursiops truncatus</i> | 1 | 290962 862448 | 318 |
| 980224 | 1543 | <i>Tursiops truncatus</i> | 3 | 292182 860601 | 98 |
| 980224 | 1636 | <i>Ziphius cavirostris</i> | 2 | 281057 864871 | 1792 |
| 980224 | 1636 | Unidentified dolphin | 6 | 281057 864871 | 1792 |
| 980224 | 1658 | <i>Stenella attenuata</i> | 26 | 283085 862986 | 502 |
| 980224 | 1702 | <i>Stenella attenuata</i> | 21 | 283336 862745 | 459 |
| 980225 | 0817 | <i>Tursiops truncatus</i> | 4 | 291328 855020 | 102 |
| 980225 | 0836 | <i>Tursiops truncatus</i> | 18 | 284950 860668 | 296 |
| 980225 | 0937 | <i>Feresa attenuata</i> | 9 | 282064 861563 | 528 |
| 980225 | 1149 | <i>Tursiops truncatus</i> | 1 | 292100 860232 | 80 |
| 980225 | 1201 | <i>Tursiops truncatus</i> | 23 | 293593 860225 | 43 |
| 980225 | 1217 | <i>Stenella frontalis</i> | 18 | 295291 860262 | 36 |
| 980225 | 1225 | <i>T. truncatus/S.frontalis</i> | 6 | 295930 860249 | 31 |
| 980228 | 1309 | <i>T. truncatus/S.frontalis</i> | 2 | 293017 861062 | 91 |
| 980228 | 1323 | <i>Stenella frontalis</i> | 30 | 294768 861035 | 43 |
| 980228 | 1330 | <i>T. truncatus/S.frontalis</i> | 1 | 295708 861033 | 38 |
| 980304 | 0959 | <i>Stenella attenuata</i> | 75 | 282196 855556 | 367 |
| 980304 | 1138 | <i>Tursiops truncatus</i> | 1 | 282256 853549 | 241 |
| 980304 | 1222 | <i>Tursiops truncatus</i> | 2 | 281628 852990 | 277 |
| 980304 | 1252 | Unidentified odontocete | 1 | 274662 855149 | 881 |
| 980314 | 1209 | <i>Stenella longirostris</i> | 100 | 275120 853600 | 764 |
| 980314 | 1355 | <i>Grampus griseus</i> | 6 | 273466 852259 | 811 |
| 980314 | 1410 | <i>Tursiops truncatus</i> | 11 | 274371 850653 | 407 |
| 980314 | 1451 | <i>Stenella frontalis</i> | 60 | 274531 844654 | 210 |
| 980314 | 1543 | <i>Grampus griseus</i> | 11 | 273140 845691 | 323 |

Summary of cetacean sightings from GulfCet II ship surveys from NOAA Ship *Oregon II*.
 Location, group size, and depth data.

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|-----------------------------|------|-------------------------------|------------|---------------|----------------|
| OREGON II CRUISE 220 - 1996 | | | | | |
| 960417 | 1453 | <i>Tursiops truncatus</i> | 3 | 293072 863253 | 156 |
| 960417 | 1650 | <i>Tursiops truncatus</i> | 7 | 292500 862492 | 220 |
| 960418 | 1151 | <i>Stenella longirostris</i> | 750 | 273029 850022 | 520 |
| 960418 | 1513 | <i>Stenella longirostris</i> | 500 | 270988 845803 | 439 |
| 960419 | 1603 | <i>Stenella frontalis</i> | 11 | 251269 840018 | 128 |
| 960419 | 1629 | <i>Tursiops truncatus</i> | 8 | 250779 840021 | 132 |
| 960420 | 1259 | <i>Stenella attenuata</i> | 5 | 245996 851163 | 3331 |
| 960421 | 1623 | <i>Stenella attenuata</i> | 18 | 272730 860019 | 3239 |
| 960421 | 1850 | <i>Stenella attenuata</i> | 21 | 274731 860044 | 3020 |
| 960422 | 0620 | Unidentified odontocete | 1 | 290012 863338 | 401 |
| 960422 | 0735 | <i>Grampus griseus</i> | 2 | 290093 864637 | 512 |
| 960422 | 1003 | <i>Stenella attenuata</i> | 125 | 285973 865998 | 695 |
| 960422 | 1225 | Unidentified large whale | 1 | 283999 870064 | 732 |
| 960423 | 1302 | Unidentified dolphin | 1 | 260391 872570 | 3148 |
| 960423 | 1521 | <i>Stenella attenuata</i> | 150 | 260004 873552 | 3148 |
| 960423 | 1720 | <i>Stenella attenuata</i> | 125 | 260083 875443 | 3111 |
| 960423 | 1810 | <i>Stenella clymene</i> | 78 | 260011 875962 | 3020 |
| 960424 | 1533 | Unidentified ziphiidae | 1 | 280756 875943 | 2525 |
| 960425 | 0713 | Unidentified dolphin | 1 | 285992 883358 | 494 |
| 960425 | 0742 | <i>Grampus griseus</i> | 8 | 285957 883759 | 357 |
| 960425 | 1112 | <i>Tursiops truncatus</i> | 8 | 285302 890096 | 117 |
| 960425 | 1159 | <i>Grampus griseus</i> | 3 | 284547 890059 | 522 |
| 960425 | 1226 | <i>Grampus griseus</i> | 3 | 284286 890021 | 622 |
| 960425 | 1318 | <i>Physeter macrocephalus</i> | 1 | 283495 885878 | 805 |
| 960425 | 1347 | <i>Physeter macrocephalus</i> | 1 | 283077 885981 | 805 |
| 960425 | 1355 | <i>Physeter macrocephalus</i> | 1 | 283014 885994 | 805 |
| 960425 | 1517 | <i>Physeter macrocephalus</i> | 1 | 282645 885934 | 1007 |
| 960425 | 1542 | <i>Physeter macrocephalus</i> | 4 | 282275 885934 | 1105 |
| 960425 | 1558 | <i>Physeter macrocephalus</i> | 2 | 282003 885936 | 1157 |
| 960425 | 1602 | <i>Physeter macrocephalus</i> | 1 | 281942 885940 | 1157 |
| 960426 | 1101 | <i>Stenella attenuata</i> | 80 | 255900 890437 | 3111 |
| 960426 | 1614 | <i>Physeter macrocephalus</i> | 1 | 260056 895313 | 2928 |
| 960427 | 0725 | <i>Stenella attenuata</i> | 75 | 273147 903033 | 1007 |
| 960427 | 0846 | Unidentified dolphin | 1 | 273012 904366 | 1007 |
| 960427 | 0945 | <i>Stenella coeruleoalba</i> | 80 | 273312 905178 | 1299 |
| 960427 | 1052 | <i>Stenella clymene</i> | 68 | 273017 910025 | 1116 |
| 960428 | 0658 | Unidentified dolphin | 2 | 260549 920029 | 2150 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|-------------------------------|------------|---------------|----------------|
| 960428 | 1200 | <i>Stenella clymene</i> | 100 | 265170 915948 | 1885 |
| 960429 | 0940 | <i>Stenella clymene</i> | 75 | 261571 925999 | 1885 |
| 960430 | 1836 | <i>Stenella attenuata</i> | 50 | 272308 945870 | 1116 |
| 960430 | 1911 | <i>Stenella clymene</i> | 150 | 271898 950104 | 1136 |
| 960501 | 0715 | <i>Mesoplodon sp.</i> | 2 | 255979 950976 | 1830 |
| 960501 | 1254 | <i>Stenella attenuata</i> | 45 | 260109 955986 | 1025 |
| 960501 | 1833 | Unidentified small whale | 3 | 263547 955939 | 1098 |
| 960502 | 1405 | <i>Tursiops truncatus</i> | 12 | 280055 950136 | 90 |
| 960502 | 1715 | <i>Tursiops truncatus</i> | 7 | 275991 943536 | 68 |
| 960502 | 1728 | <i>Stenella frontalis</i> | 40 | 275996 943290 | 66 |
| 960503 | 0717 | <i>Grampus griseus</i> | 3 | 280013 923397 | 110 |
| 960503 | 0717 | <i>Tursiops truncatus</i> | 2 | 280013 923397 | 110 |
| 960503 | 1100 | Unidentified dolphin | 2 | 275938 915954 | 110 |
| 960504 | 1005 | <i>Stenella attenuata</i> | 40 | 281933 891748 | 824 |
| 960504 | 1128 | <i>Kogia simus</i> | 4 | 283051 890950 | 549 |
| 960504 | 1231 | <i>Tursiops truncatus</i> | 4 | 283960 890214 | 694 |
| 960508 | 0722 | <i>Tursiops truncatus</i> | 1 | 292174 862155 | 231 |
| 960508 | 1344 | <i>Tursiops truncatus</i> | 2 | 285263 855422 | 243 |
| 960508 | 1454 | Unidentified dolphin | 4 | 284563 854445 | 210 |
| 960508 | 1603 | <i>Stenella frontalis</i> | 10 | 283630 853621 | 207 |
| 960508 | 1742 | <i>Balaenoptera edeni</i> | 2 | 282900 853017 | 203 |
| 960509 | 1144 | <i>Stenella attenuata</i> | 220 | 262420 850261 | 3289 |
| 960509 | 1315 | <i>Grampus griseus</i> | 9 | 261092 850051 | 3312 |
| 960509 | 1738 | <i>Tursiops truncatus</i> | 30 | 260002 844036 | 481 |
| 960510 | 1103 | <i>Stenella attenuata</i> | 20 | 242594 840670 | 2379 |
| 960510 | 1212 | Unidentified dolphin | 3 | 242748 840710 | 2196 |
| 960510 | 1731 | <i>Stenella longirostris</i> | 500 | 242739 832742 | 351 |
| 960512 | 1106 | <i>Tursiops truncatus</i> | 12 | 241728 821047 | 242 |
| 960512 | 1554 | <i>Tursiops truncatus</i> | 12 | 242122 831345 | 384 |
| 960512 | 1621 | <i>Tursiops truncatus</i> | 10 | 242321 831583 | 320 |
| 960512 | 1739 | <i>Grampus griseus</i> | 7 | 242471 833096 | 575 |
| 960512 | 1858 | <i>Stenella attenuata</i> | 100 | 242534 834512 | 988 |
| 960513 | 0639 | <i>Physeter macrocephalus</i> | 2 | 244305 850030 | 3386 |
| 960513 | 0707 | <i>Physeter macrocephalus</i> | 1 | 244582 850139 | 3386 |
| 960513 | 1606 | <i>Grampus griseus</i> | 15 | 250063 855126 | 3294 |
| 960513 | 1629 | <i>Grampus griseus</i> | 6 | 250114 855476 | 3294 |
| 960513 | 1901 | <i>Grampus griseus</i> | 4 | 250265 855905 | 3395 |
| 960514 | 1239 | <i>Grampus griseus</i> | 4 | 264028 860047 | 3203 |
| 960514 | 1646 | Unidentified large whale | 1 | 270409 855733 | 3221 |
| 960515 | 1524 | <i>Stenella sp.</i> | 2 | 285970 863607 | 423 |
| 960515 | 1723 | <i>Stenella attenuata</i> | 35 | 290014 865853 | 672 |
| 960516 | 0617 | <i>Physeter macrocephalus</i> | 3 | 272286 870063 | 3038 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|---------------------------------|---------------|---------------|-------------------|
| 960516 | 0622 | <i>Physeter macrocephalus</i> | 1 | 272208 870072 | 3038 |
| 960516 | 1116 | <i>Stenella attenuata</i> | 30 | 264726 865936 | 3001 |
| 960516 | 1508 | Unidentified dolphin | 1 | 262301 870062 | 3038 |
| 960517 | 0627 | <i>Stenella clymene</i> | 15 | 264177 875963 | 2699 |
| 960517 | 1001 | <i>Stenella attenuata</i> | 150 | 270611 875949 | 2745 |
| 960517 | 1126 | <i>Mesoplodon sp.</i> | 1 | 272007 875922 | 2562 |
| 960517 | 1311 | Unidentified dolphin | 2 | 272939 880051 | 2425 |
| 960517 | 1313 | <i>Physeter macrocephalus</i> | 4 | 272949 880040 | 2425 |
| 960517 | 1348 | <i>Physeter macrocephalus</i> | 1 | 272958 875991 | 2562 |
| 960517 | 1719 | <i>Stenella attenuata</i> | 300 | 275935 875870 | 2471 |
| 960517 | 1933 | <i>Stenella attenuata</i> | 200 | 281026 880118 | 2379 |
| 960518 | 0618 | <i>T. truncatus/S.frontalis</i> | 5 | 293738 875985 | 22 |
| 960518 | 0651 | <i>Stenella frontalis</i> | 4 | 294241 875972 | 22 |
| 960518 | 0941 | <i>Tursiops truncatus</i> | 23 | 291935 881348 | 86 |
| 960518 | 1116 | <i>Tursiops truncatus</i> | 10 | 290768 882485 | 124 |
| 960518 | 1325 | <i>Grampus griseus</i> | 24 | 285901 883242 | 525 |
| 960518 | 1404 | Unidentified dolphin | 1 | 290170 883714 | 366 |
| 960518 | 1427 | <i>Tursiops truncatus</i> | 10 | 290287 884116 | 220 |
| 960518 | 1455 | <i>Tursiops truncatus</i> | 11 | 290106 884579 | 201 |
| 960518 | 1607 | <i>Tursiops truncatus</i> | 15 | 290162 885902 | 64 |
| 960518 | 1714 | Unidentified dolphin | 2 | 285937 885969 | 81 |
| 960518 | 1852 | <i>Grampus griseus</i> | 4 | 284386 885992 | 604 |
| 960519 | 0720 | <i>Stenella attenuata</i> | 13 | 270668 885983 | 2196 |
| 960519 | 0811 | <i>Stenella attenuata</i> | 200 | 265846 885956 | 2288 |
| 960519 | 1023 | <i>Stenella attenuata</i> | 150 | 265199 890038 | 2269 |
| 960519 | 1121 | <i>Stenella attenuata</i> | 650 | 264324 885953 | 2677 |
| 960519 | 1237 | <i>Physeter macrocephalus</i> | 3 | 263415 890209 | 3294 |
| 960519 | 1853 | <i>Physeter macrocephalus</i> | 1 | 255901 890971 | 3203 |
| 960519 | 1911 | <i>Physeter macrocephalus</i> | 1 | 255912 891285 | 3248 |
| 960520 | 1050 | Unidentified ziphiidae | 2 | 270908 895949 | 2196 |
| 960520 | 1131 | <i>Stenella attenuata</i> | 150 | 271613 900058 | 1354 |
| 960520 | 1217 | <i>Grampus griseus</i> | 20 | 272263 900042 | 1254 |
| 960520 | 1230 | <i>Stenella attenuata</i> | 150 | 272335 895919 | 1241 |
| 960520 | 1258 | <i>Ziphius cavirostris</i> | 4 | 272726 900007 | 1197 |
| 960520 | 1516 | <i>Physeter macrocephalus</i> | 1 | 274460 900020 | 897 |
| 960520 | 1518 | <i>Physeter macrocephalus</i> | 2 | 274513 900019 | 878 |
| 960520 | 1937 | <i>Tursiops truncatus</i> | 75 | 280290 901401 | 346 |
| 960521 | 0630 | <i>Stenella attenuata</i> | 20 | 272029 910014 | 1373 |
| 960521 | 0644 | <i>Stenella attenuata</i> | 18 | 271792 910014 | 1336 |
| 960521 | 0703 | <i>Stenella attenuata</i> | 15 | 271552 910185 | 1373 |
| 960521 | 0747 | <i>Stenella attenuata</i> | 20 | 270893 905927 | 1556 |
| 960521 | 1027 | <i>Stenella clymene</i> | 55 | 265662 910012 | 1830 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|-------------------------------|---------------|---------------|-------------------|
| 960521 | 1236 | <i>Orcinus orca</i> | 4 | 264729 910204 | 1922 |
| 960521 | 1719 | Unidentified dolphin | 1 | 260631 910176 | 2946 |
| 960522 | 0651 | <i>Stenella clymene</i> | 75 | 263487 915888 | 1647 |
| 960522 | 0736 | <i>Stenella attenuata</i> | 45 | 264058 920022 | 1647 |
| 960522 | 0738 | <i>Stenella attenuata</i> | 40 | 264095 920016 | 1647 |
| 960522 | 0751 | <i>Grampus griseus</i> | 12 | 264265 915976 | 1647 |
| 960522 | 0806 | <i>Stenella attenuata</i> | 45 | 264464 915889 | 1739 |
| 960522 | 0935 | <i>Stenella attenuata</i> | 20 | 265806 915921 | 1501 |
| 960522 | 1115 | <i>Mesoplodon sp.</i> | 1 | 270189 915984 | 1427 |
| 960522 | 1127 | <i>Kogia breviceps</i> | 1 | 270366 915999 | 1482 |
| 960522 | 1132 | <i>Kogia breviceps</i> | 1 | 270452 920003 | 1501 |
| 960522 | 1204 | <i>Stenella attenuata</i> | 17 | 270880 920019 | 1524 |
| 960522 | 1206 | <i>Kogia breviceps</i> | 1 | 270847 920017 | 1524 |
| 960522 | 1218 | <i>Kogia sp.</i> | 5 | 271000 920045 | 1519 |
| 960522 | 1244 | <i>Grampus griseus</i> | 10 | 271130 920237 | 1499 |
| 960522 | 1330 | <i>Stenella attenuata</i> | 25 | 271580 920168 | 1153 |
| 960522 | 1336 | <i>Mesoplodon sp.</i> | 1 | 271673 920148 | 1007 |
| 960522 | 1342 | <i>Kogia sp.</i> | 3 | 271769 920141 | 970 |
| 960522 | 1446 | <i>Stenella attenuata</i> | 175 | 272782 915939 | 778 |
| 960522 | 1636 | <i>Globicephala sp.</i> | 27 | 273680 915740 | 877 |
| 960522 | 1638 | <i>Stenella attenuata</i> | 30 | 273714 915739 | 877 |
| 960522 | 1640 | Unidentified dolphin | 15 | 273747 915740 | 877 |
| 960522 | 1645 | <i>Kogia simus</i> | 2 | 273778 915735 | 877 |
| 960522 | 1648 | <i>Kogia simus</i> | 6 | 273793 915739 | 877 |
| 960522 | 1735 | <i>Kogia simus</i> | 4 | 274533 915814 | 452 |
| 960522 | 1810 | Unidentified small whale | 1 | 275082 915963 | 346 |
| 960522 | 1826 | <i>Stenella frontalis</i> | 15 | 275254 915732 | 220 |
| 960522 | 1831 | <i>Stenella frontalis</i> | 10 | 275265 915648 | 220 |
| 960522 | 1833 | Unidentified dolphin | 4 | 275290 915612 | 220 |
| 960522 | 1920 | <i>Stenella frontalis</i> | 30 | 275762 915390 | 135 |
| 960522 | 1943 | Unidentified dolphin | 1 | 275930 915731 | 112 |
| 960523 | 0652 | <i>Globicephala sp.</i> | 35 | 273527 925638 | 553 |
| 960523 | 0856 | <i>Stenella attenuata</i> | 100 | 272542 925718 | 769 |
| 960523 | 0932 | <i>Stenella attenuata</i> | 115 | 272123 930068 | 778 |
| 960523 | 1006 | <i>Mesoplodon sp.</i> | 2 | 271629 925958 | 1135 |
| 960523 | 1119 | <i>Peponocephala electra</i> | 125 | 271322 930199 | 1025 |
| 960523 | 1520 | Unidentified odontocete | 2 | 264548 925975 | 1519 |
| 960523 | 1657 | <i>Physeter macrocephalus</i> | 1 | 263004 925999 | 1733 |
| 960523 | 1755 | Unidentified ziphiidae | 1 | 262732 930036 | 1775 |
| 960523 | 1933 | <i>Grampus griseus</i> | 4 | 261684 930091 | 1976 |
| 960524 | 0730 | <i>Ziphius cavirostris</i> | 1 | 262991 935999 | 1556 |
| 960525 | 0706 | <i>Stenella frontalis</i> | 6 | 280628 911199 | 112 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|---------------------------------|------------|---------------|----------------|
| 960525 | 0802 | <i>Tursiops truncatus</i> | 1 | 280860 910033 | 101 |
| 960525 | 0851 | <i>T. truncatus/S.frontalis</i> | 3 | 281057 905021 | 93 |
| 960525 | 1006 | Unidentified dolphin | 2 | 281387 903437 | 77 |
| 960525 | 1013 | <i>Stenella frontalis</i> | 10 | 281447 903296 | 73 |
| 960525 | 1013 | <i>Tursiops truncatus</i> | 2 | 281447 903296 | 73 |
| 960525 | 1130 | <i>T. truncatus/S.frontalis</i> | 4 | 281893 901726 | 70 |
| 960525 | 1433 | <i>Stenella attenuata</i> | 40 | 282657 893869 | 695 |
| 960525 | 1449 | <i>Grampus griseus</i> | 2 | 282722 893521 | 732 |
| 960525 | 1521 | <i>Stenella attenuata</i> | 25 | 282837 892840 | 458 |
| 960525 | 1521 | <i>Grampus griseus</i> | 6 | 282837 892840 | 458 |
| 960525 | 1524 | Unidentified small whale | 1 | 282851 892773 | 458 |
| 960525 | 1659 | <i>Physeter macrocephalus</i> | 3 | 283065 890804 | 540 |
| 960525 | 1738 | <i>Physeter macrocephalus</i> | 1 | 283638 890360 | 540 |
| 960525 | 1748 | <i>Grampus griseus</i> | 8 | 283795 890285 | 586 |
| 960525 | 1823 | Unidentified dolphin | 4 | 284294 885875 | 659 |
| 960525 | 1841 | Unidentified odontocete | 1 | 284489 885581 | 695 |
| 960525 | 1924 | <i>Grampus griseus</i> | 8 | 285116 885054 | 604 |
| 960529 | 1838 | <i>Tursiops truncatus</i> | 3 | 292986 874907 | 53 |
| 960530 | 0711 | <i>Stenella attenuata</i> | 40 | 275247 860535 | 3111 |
| 960530 | 0755 | <i>Stenella attenuata</i> | 60 | 274749 860117 | 3175 |
| 960530 | 0959 | <i>Stenella attenuata</i> | 115 | 273535 854279 | 3235 |
| 960530 | 1021 | <i>Stenella attenuata</i> | 48 | 273361 853933 | 3228 |
| 960530 | 1353 | <i>Stenella attenuata</i> | 65 | 271804 852228 | 1281 |
| 960530 | 1510 | <i>Stenella attenuata</i> | 20 | 272470 850978 | 745 |
| 960530 | 1729 | <i>Tursiops truncatus</i> | 6 | 273805 844674 | 205 |
| 960530 | 1729 | <i>Stenella frontalis</i> | 12 | 273805 844674 | 205 |
| 960531 | 0559 | <i>Stenella frontalis</i> | 7 | 281081 844817 | 99 |
| 960531 | 1145 | <i>Stenella attenuata</i> | 40 | 274446 853080 | 869 |
| 960531 | 1238 | <i>Stenella attenuata</i> | 175 | 274019 853752 | 1739 |
| 960531 | 1517 | <i>Stenella attenuata</i> | 50 | 274468 854505 | 2379 |
| 960531 | 1754 | <i>T. truncatus/S.frontalis</i> | 1 | 280374 853821 | 710 |
| 960531 | 1914 | <i>Stenella longirostris</i> | 32 | 281244 853376 | 381 |
| 960601 | 1630 | <i>Stenella frontalis</i> | 9 | 282140 852190 | 205 |
| 960601 | 1630 | <i>T. truncatus/S.frontalis</i> | 2 | 282140 852190 | 205 |
| 960602 | 1553 | <i>Physeter macrocephalus</i> | 5 | 280324 860052 | 877 |
| 960602 | 1743 | Unidentified small whale | 1 | 274573 860742 | 3157 |
| 960603 | 0722 | <i>Stenella attenuata</i> | 120 | 281200 861143 | 719 |
| 960603 | 0946 | <i>Tursiops truncatus</i> | 15 | 283367 861172 | 377 |
| 960603 | 1034 | <i>Tursiops truncatus</i> | 8 | 284008 861417 | 366 |
| 960603 | 1114 | <i>Tursiops truncatus</i> | 6 | 284503 861306 | 342 |
| 960603 | 1540 | <i>Tursiops truncatus</i> | 10 | 291946 861406 | 205 |
| 960603 | 1611 | <i>Tursiops truncatus</i> | 4 | 292454 861441 | 161 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|---------------------------------|---------------|---------------|-------------------|
| 960603 | 1803 | <i>Tursiops truncatus</i> | 5 | 293587 861527 | 71 |
| 960603 | 1836 | <i>Stenella frontalis</i> | 70 | 293897 861347 | 62 |
| 960604 | 0609 | <i>Stenella frontalis</i> | 15 | 295015 861503 | 62 |
| 960604 | 0639 | <i>Tursiops truncatus</i> | 15 | 295483 861452 | 62 |
| 960604 | 0657 | Unidentified dolphin | 4 | 295804 861524 | 49 |
| 960604 | 0754 | <i>Tursiops truncatus</i> | 12 | 300681 861733 | 55 |
| 960604 | 0810 | <i>Tursiops truncatus</i> | 17 | 300783 861706 | 35 |
| 960604 | 0834 | <i>T. truncatus/S.frontalis</i> | 2 | 301185 861793 | 35 |
| 960604 | 0927 | <i>T. truncatus/S.frontalis</i> | 5 | 301184 861953 | 31 |
| 960604 | 0934 | <i>Tursiops truncatus</i> | 12 | 301213 862082 | 29 |
| 960604 | 0937 | <i>T. truncatus/S.frontalis</i> | 1 | 301230 862147 | 29 |
| 960604 | 0941 | <i>Tursiops truncatus</i> | 4 | 301245 862205 | 29 |
| 960604 | 1118 | <i>T. truncatus/S.frontalis</i> | 1 | 300960 863061 | 33 |
| 960604 | 1120 | <i>T. truncatus/S.frontalis</i> | 1 | 300922 863060 | 33 |
| 960604 | 1207 | <i>Stenella frontalis</i> | 38 | 300746 863153 | 38 |
| 960604 | 1254 | <i>Stenella frontalis</i> | 20 | 300467 863088 | 46 |
| 960604 | 1334 | Unidentified dolphin | 1 | 295863 863251 | 75 |
| 960604 | 1445 | Unidentified small whale | 1 | 294685 863299 | 123 |
| 960604 | 1743 | Unidentified dolphin | 1 | 292520 863255 | 313 |
| 960604 | 1838 | <i>Kogia breviceps</i> | 2 | 291837 863682 | 379 |
| 960604 | 1927 | <i>Stenella coeruleoalba</i> | 30 | 291624 863991 | 404 |
| 960605 | 0619 | <i>Stenella coeruleoalba</i> | 21 | 291245 863904 | 414 |
| 960605 | 0635 | <i>Kogia sp.</i> | 1 | 291104 863737 | 406 |
| 960605 | 0643 | Unidentified dolphin | 1 | 290959 863727 | 408 |
| 960605 | 0656 | Unidentified dolphin | 1 | 290725 863707 | 415 |
| 960605 | 0707 | <i>Grampus griseus</i> | 20 | 290564 863669 | 414 |
| 960605 | 0844 | Unidentified dolphin | 5 | 285995 863959 | 447 |
| 960605 | 0849 | Unidentified dolphin | 8 | 285991 863937 | 447 |
| 960605 | 0851 | <i>Grampus griseus</i> | 12 | 290012 863904 | 410 |
| 960605 | 0856 | <i>Kogia sp.</i> | 1 | 290054 863832 | 439 |
| 960605 | 0910 | <i>Kogia sp.</i> | 1 | 290087 863615 | 439 |
| 960605 | 0940 | <i>Tursiops truncatus</i> | 45 | 285964 863331 | 404 |
| 960605 | 0949 | <i>Kogia sp.</i> | 1 | 285842 863397 | 412 |
| 960605 | 1112 | <i>Stenella longirostris</i> | 250 | 285697 863563 | 723 |
| 960605 | 1142 | <i>Stenella longirostris</i> | 100 | 285425 863588 | 434 |
| 960605 | 1237 | <i>Kogia sp.</i> | 1 | 284649 863826 | 485 |
| 960605 | 1246 | <i>Grampus griseus</i> | 6 | 284579 863867 | 489 |
| 960605 | 1333 | <i>Grampus griseus</i> | 10 | 284013 863787 | 522 |
| 960605 | 1358 | <i>Grampus griseus</i> | 8 | 283664 863970 | 567 |
| 960605 | 1410 | <i>Grampus griseus</i> | 4 | 283562 863857 | 569 |
| 960605 | 1426 | <i>Grampus griseus</i> | 8 | 283313 863899 | 602 |
| 960605 | 1611 | <i>Stenella attenuata</i> | 200 | 281720 863803 | 844 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|-------------------------------|---------------|---------------|-------------------|
| 960605 | 1830 | <i>Stenella attenuata</i> | 100 | 280546 864277 | 2937 |
| 960605 | 1929 | <i>Grampus griseus</i> | 15 | 281199 864556 | 1135 |
| 960606 | 0636 | <i>Stenella attenuata</i> | 85 | 281492 865027 | 1144 |
| 960606 | 0658 | <i>Physeter macrocephalus</i> | 3 | 281720 865158 | 1030 |
| 960606 | 0827 | <i>Stenella attenuata</i> | 85 | 283104 865066 | 737 |
| 960606 | 1253 | <i>Grampus griseus</i> | 7 | 290849 865535 | 604 |
| 960606 | 1423 | <i>Kogia sp.</i> | 1 | 292455 865721 | 567 |
| 960606 | 1450 | <i>Tursiops truncatus</i> | 4 | 292699 865388 | 556 |
| 960606 | 1452 | Unidentified dolphin | 5 | 292698 865357 | 556 |
| 960606 | 1502 | <i>Tursiops truncatus</i> | 172 | 292701 865163 | 479 |
| 960606 | 1645 | <i>Grampus griseus</i> | 15 | 293311 865424 | 304 |
| 960606 | 1930 | <i>Balaenoptera sp.</i> | 1 | 294483 870350 | 212 |
| 960606 | 1932 | <i>Balaenoptera edeni</i> | 4 | 294484 870352 | 212 |
| 960607 | 0713 | <i>Stenella frontalis</i> | 28 | 295504 865836 | 163 |
| 960607 | 0837 | <i>Stenella frontalis</i> | 28 | 300806 870248 | 26 |
| 960607 | 0942 | <i>Stenella frontalis</i> | 7 | 300960 870321 | 27 |
| 960607 | 1026 | <i>Stenella frontalis</i> | 21 | 300300 870710 | 31 |
| 960607 | 1106 | <i>Tursiops truncatus</i> | 10 | 295704 870782 | 55 |
| 960607 | 1129 | <i>Stenella frontalis</i> | 25 | 295424 870995 | 77 |
| 960607 | 1312 | <i>Tursiops truncatus</i> | 5 | 294007 871734 | 185 |
| 960608 | 1027 | <i>Stenella attenuata</i> | 75 | 291029 873923 | 1098 |

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|--------|------|-------------------------------|----|---------------|------|
| 970417 | 1139 | <i>Tursiops truncatus</i> | 2 | 293030 863044 | 203 |
| 970417 | 1401 | <i>Physeter macrocephalus</i> | 1 | 291987 861934 | 231 |
| 970417 | 1548 | Unidentified dolphin | 1 | 290630 860614 | 243 |
| 970419 | 0628 | <i>Stenella frontalis</i> | 20 | 250652 840033 | 124 |
| 970419 | 1049 | <i>Physeter macrocephalus</i> | 1 | 243908 835941 | 970 |
| 970419 | 1122 | <i>Grampus griseus</i> | 4 | 243434 840003 | 1464 |
| 970419 | 1249 | <i>Kogia sp.</i> | 1 | 242952 840097 | 2288 |
| 970419 | 1407 | <i>Grampus griseus</i> | 12 | 242909 840927 | 2379 |
| 970419 | 1433 | <i>Grampus griseus</i> | 4 | 243052 841000 | 2379 |
| 970419 | 1439 | <i>Kogia sp.</i> | 2 | 243021 841086 | 2745 |
| 970419 | 1448 | <i>Kogia sp.</i> | 1 | 243001 841231 | 2562 |
| 970419 | 1502 | <i>Kogia sp.</i> | 1 | 242991 841469 | 2236 |
| 970419 | 1604 | <i>Grampus griseus</i> | 11 | 243088 842205 | 3440 |
| 970419 | 1604 | Unidentified dolphin | 6 | 243088 842205 | 3440 |
| 970419 | 1625 | Unidentified dolphin | 3 | 243047 842580 | 3440 |
| 970419 | 1817 | <i>Kogia sp.</i> | 2 | 242968 843244 | 3422 |
| 970419 | 1912 | <i>Feresa attenuata</i> | 13 | 242881 843580 | 3422 |
| 970420 | 0705 | <i>Stenella attenuata</i> | 8 | 250091 854492 | 3294 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|---------------------------------|---------------|---------------|-------------------|
| 970420 | 0820 | Unidentified odontocete | 1 | 250037 855968 | 3294 |
| 970420 | 0846 | Unidentified dolphin | 6 | 245996 855994 | 3294 |
| 970420 | 1053 | Unidentified dolphin | 4 | 250913 860030 | 3276 |
| 970420 | 1240 | <i>Stenella attenuata</i> | 33 | 252261 860029 | 3239 |
| 970420 | 1259 | <i>Mesoplodon sp.</i> | 1 | 252571 855996 | 3257 |
| 970420 | 1436 | <i>Pseudorca crassidens</i> | 65 | 252903 855930 | 3203 |
| 970420 | 1642 | <i>Grampus griseus</i> | 10 | 253054 860935 | 3203 |
| 970420 | 1742 | <i>Grampus griseus</i> | 3 | 253164 861787 | 3221 |
| 970420 | 1742 | Unidentified dolphin | 1 | 253164 861787 | 3221 |
| 970421 | 1119 | <i>Stenella attenuata</i> | 25 | 273976 855882 | 3203 |
| 970421 | 1635 | <i>Stenella longirostris</i> | 100 | 281722 855191 | 423 |
| 970421 | 1657 | Unidentified dolphin | 1 | 281913 855305 | 401 |
| 970421 | 1742 | <i>Stenella longirostris</i> | 110 | 282406 855562 | 351 |
| 970421 | 1838 | <i>Stenella sp.</i> | 4 | 283005 860025 | 326 |
| 970422 | 0748 | <i>Stenella attenuata</i> | 35 | 282077 865940 | 1067 |
| 970422 | 0845 | <i>Steno bredanensis</i> | 6 | 281913 865984 | 1098 |
| 970422 | 0940 | <i>Peponocephala/Feresa</i> | 6 | 281395 870072 | 2745 |
| 970422 | 0940 | <i>Stenella attenuata</i> | 17 | 281395 870072 | 2745 |
| 970422 | 1105 | Unidentified ziphiidae | 1 | 280278 870013 | 2815 |
| 970422 | 1245 | <i>Stenella attenuata</i> | 20 | 275712 870019 | 2855 |
| 970424 | 0846 | <i>Stenella attenuata</i> | 32 | 285775 880005 | 1510 |
| 970424 | 1542 | <i>Tursiops truncatus</i> | 7 | 291531 881502 | 92 |
| 970424 | 1634 | <i>Stenella frontalis</i> | 17 | 291089 881831 | 221 |
| 970424 | 1714 | <i>Tursiops truncatus</i> | 85 | 291023 882008 | 240 |
| 970429 | 0642 | Unidentified dolphin | 1 | 260051 930562 | 2196 |
| 970429 | 0756 | <i>Stenella attenuata</i> | 50 | 260089 931781 | 2379 |
| 970429 | 1708 | Unidentified small whale | 1 | 262336 940007 | 1885 |
| 970430 | 0935 | <i>Stenella frontalis</i> | 19 | 280022 945358 | 82 |
| 970430 | 1546 | <i>Stenella attenuata</i> | 17 | 272685 950007 | 999 |
| 970430 | 1834 | <i>Stenella attenuata</i> | 200 | 270185 950060 | 1382 |
| 970501 | 1724 | Unidentified ziphiidae | 1 | 270959 955951 | 531 |
| 970503 | 0728 | <i>Grampus griseus</i> | 22 | 274008 915746 | 641 |
| 970503 | 0832 | <i>Stenella attenuata</i> | 55 | 273062 920023 | 778 |
| 970503 | 1008 | <i>Stenella attenuata</i> | 250 | 272667 915197 | 970 |
| 970503 | 1031 | <i>Stenella attenuata</i> | 13 | 272682 914951 | 1007 |
| 970503 | 1153 | <i>Globicephala sp.</i> | 39 | 272756 914247 | 1058 |
| 970503 | 1319 | <i>Grampus griseus</i> | 7 | 272376 912988 | 1089 |
| 970503 | 1443 | <i>Stenella attenuata</i> | 300 | 272235 911882 | 1292 |
| 970504 | 0651 | <i>Stenella attenuata</i> | 14 | 270360 890038 | 2196 |
| 970504 | 1907 | <i>Physeter macrocephalus</i> | 6 | 282740 885766 | 961 |
| 970505 | 0655 | <i>T. truncatus/S.frontalis</i> | 1 | 283286 892620 | 214 |
| 970505 | 1753 | Unidentified odontocete | 1 | 285079 883202 | 871 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|-------------------------------|---------------|---------------|-------------------|
| 970505 | 1932 | <i>Stenella attenuata</i> | 37 | 290479 883156 | 329 |
| 970509 | 0635 | <i>Tursiops truncatus</i> | 24 | 291664 863058 | 275 |
| 970509 | 0802 | <i>Stenella longirostris</i> | 40 | 290236 862904 | 357 |
| 970509 | 0927 | <i>Stenella longirostris</i> | 80 | 290034 863057 | 357 |
| 970509 | 1015 | <i>Kogia sp.</i> | 1 | 290281 862467 | 339 |
| 970509 | 1016 | <i>Grampus griseus</i> | 7 | 290289 862439 | 339 |
| 970509 | 1115 | <i>Tursiops truncatus</i> | 17 | 290640 861558 | 293 |
| 970509 | 114 | <i>Tursiops truncatus</i> | 13 | 290851 861090 | 260 |
| 970509 | 1239 | <i>Balaenoptera edeni</i> | 2 | 290999 860671 | 229 |
| 970509 | 1241 | Unidentified dolphin | 2 | 290997 860655 | 229 |
| 970509 | 1601 | <i>Tursiops truncatus</i> | 1 | 290780 855601 | 187 |
| 970509 | 1626 | <i>Tursiops truncatus</i> | 3 | 290664 855434 | 187 |
| 970509 | 1756 | <i>Tursiops truncatus</i> | 3 | 285552 854318 | 178 |
| 970509 | 1839 | <i>Tursiops truncatus</i> | 9 | 284896 854051 | 181 |
| 970509 | 1847 | <i>Tursiops truncatus</i> | 5 | 284791 854000 | 181 |
| 970510 | 0701 | <i>Stenella attenuata</i> | 12 | 272795 855849 | 3203 |
| 970510 | 0753 | <i>Stenella attenuata</i> | 35 | 272232 855709 | 3203 |
| 970510 | 0807 | Unidentified dolphin | 3 | 272075 855895 | 3203 |
| 970510 | 0838 | Unidentified dolphin | 4 | 271658 855714 | 3203 |
| 970510 | 0853 | <i>Stenella attenuata</i> | 32 | 271607 855898 | 3203 |
| 970510 | 0956 | <i>Stenella attenuata</i> | 80 | 270707 860020 | 3203 |
| 970510 | 1008 | <i>Kogia sp.</i> | 1 | 270508 860057 | 3203 |
| 970510 | 1049 | <i>Stenella attenuata</i> | 15 | 270042 855961 | 3203 |
| 970511 | 1540 | <i>Steno bredanensis</i> | 30 | 261352 865943 | 3111 |
| 970511 | 1655 | <i>Stenella attenuata</i> | 30 | 262459 865883 | 3056 |
| 970512 | 1206 | <i>Grampus griseus</i> | 2 | 285873 865886 | 644 |
| 970512 | 1412 | <i>Physeter macrocephalus</i> | 3 | 290377 870694 | 781 |
| 970512 | 1552 | <i>Stenella attenuata</i> | 200 | 291187 871749 | 1010 |
| 970512 | 1651 | <i>Stenella attenuata</i> | 120 | 291075 872341 | 1098 |
| 970512 | 1748 | <i>Stenella coeruleoalba</i> | 90 | 291536 873034 | 919 |
| 970512 | 1840 | <i>Tursiops truncatus</i> | 27 | 291829 873385 | 439 |
| 970512 | 1910 | <i>Stenella longirostris</i> | 15 | 291946 873892 | 275 |
| 970512 | 1943 | <i>Tursiops truncatus</i> | 40 | 291871 874417 | 201 |
| 970513 | 0646 | <i>Stenella attenuata</i> | 28 | 284759 880054 | 1830 |
| 970513 | 0754 | <i>Stenella longirostris</i> | 70 | 283756 880013 | 2269 |
| 970513 | 1455 | <i>Stenella attenuata</i> | 17 | 274889 875997 | 2525 |
| 970513 | 1631 | <i>Stenella attenuata</i> | 25 | 273335 880061 | 3056 |
| 970513 | 1655 | <i>Stenella attenuata</i> | 12 | 272944 880188 | 2562 |
| 970513 | 1657 | Unidentified dolphin | 1 | 272933 880176 | 2562 |
| 970513 | 1800 | <i>Stenella attenuata</i> | 7 | 272772 880040 | 2562 |
| 970513 | 1823 | <i>Stenella attenuata</i> | 19 | 272519 875837 | 2654 |
| 970513 | 1907 | <i>Stenella attenuata</i> | 35 | 271872 875922 | 2654 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|-------------------------------|---------------|---------------|-------------------|
| 970514 | 0642 | <i>Stenella attenuata</i> | 35 | 260269 880670 | 2965 |
| 970514 | 0712 | Unidentified dolphin | 14 | 260298 881190 | 3001 |
| 970514 | 0738 | <i>Stenella attenuata</i> | 19 | 260153 881619 | 3001 |
| 970514 | 0742 | <i>Kogia sp.</i> | 2 | 260148 881689 | 3001 |
| 970514 | 0752 | <i>Kogia sp.</i> | 1 | 260105 881844 | 3001 |
| 970514 | 0803 | <i>Stenella attenuata</i> | 19 | 255975 881962 | 3001 |
| 970514 | 0831 | <i>Stenella attenuata</i> | 19 | 260165 882413 | 3001 |
| 970514 | 0906 | <i>Ziphius cavirostris</i> | 4 | 255886 882765 | 3001 |
| 970514 | 1059 | <i>Kogia sp.</i> | 6 | 260005 883635 | 3020 |
| 970514 | 1127 | Unidentified odontocete | 1 | 260048 884077 | 3001 |
| 970514 | 1129 | Unidentified dolphin | 15 | 260051 884105 | 3020 |
| 970514 | 1156 | Unidentified dolphin | 30 | 260042 884584 | 3056 |
| 970514 | 1246 | <i>Stenella attenuata</i> | 70 | 260117 885149 | 3203 |
| 970514 | 1403 | <i>Stenella attenuata</i> | 60 | 260233 890256 | 3129 |
| 970514 | 1413 | <i>Kogia sp.</i> | 2 | 260136 890148 | 3129 |
| 970514 | 1548 | <i>Stenella attenuata</i> | 35 | 260459 890071 | 2928 |
| 970514 | 1702 | <i>Stenella coeruleoalba</i> | 95 | 261101 890155 | 3020 |
| 970514 | 1709 | Unidentified dolphin | 20 | 261181 890174 | 3020 |
| 970514 | 1839 | <i>Physeter macrocephalus</i> | 6 | 262609 885915 | 2745 |
| 970514 | 1852 | <i>Orcinus orca</i> | 1 | 262685 885852 | 2745 |
| 970515 | 0652 | <i>Physeter macrocephalus</i> | 5 | 275757 890113 | 1327 |
| 970515 | 0711 | <i>Stenella attenuata</i> | 65 | 275913 885845 | 1318 |
| 970515 | 0856 | <i>Kogia sp.</i> | 2 | 280341 885624 | 1373 |
| 970515 | 0923 | <i>Kogia sp.</i> | 2 | 280624 885604 | 1464 |
| 970515 | 0946 | Unidentified odontocete | 1 | 280978 885565 | 1363 |
| 970515 | 1030 | <i>Physeter macrocephalus</i> | 1 | 281540 885970 | 1171 |
| 970515 | 1104 | <i>Physeter macrocephalus</i> | 2 | 282058 885941 | 1061 |
| 970515 | 1119 | <i>Stenella attenuata</i> | 55 | 282231 885735 | 1098 |
| 970515 | 1144 | <i>Physeter macrocephalus</i> | 1 | 282629 885717 | 1016 |
| 970515 | 1205 | <i>Kogia sp.</i> | 3 | 282886 885906 | 878 |
| 970515 | 1211 | <i>Physeter macrocephalus</i> | 1 | 282950 885963 | 822 |
| 970515 | 1323 | <i>Kogia sp.</i> | 4 | 282734 890283 | 747 |
| 970515 | 1331 | <i>Physeter macrocephalus</i> | 1 | 282638 890371 | 739 |
| 970515 | 1334 | <i>Physeter macrocephalus</i> | 4 | 282605 890404 | 739 |
| 970515 | 1439 | <i>Globicephala sp.</i> | 85 | 281928 890566 | 908 |
| 970515 | 1507 | <i>Physeter macrocephalus</i> | 1 | 281819 890995 | 880 |
| 970515 | 1525 | Unidentified odontocete | 2 | 281589 891128 | 880 |
| 970515 | 1622 | <i>Stenella attenuata</i> | 42 | 281665 892015 | 750 |
| 970515 | 1652 | <i>Kogia sp.</i> | 3 | 281213 891976 | 988 |
| 970515 | 1719 | <i>Kogia sp.</i> | 1 | 280877 892259 | 1039 |
| 970515 | 1744 | <i>Stenella coeruleoalba</i> | 58 | 280589 892256 | 1113 |
| 970515 | 1824 | <i>Grampus griseus</i> | 25 | 280166 892395 | 1147 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|-------------------------------|---------------|---------------|-------------------|
| 970515 | 1828 | Unidentified dolphin | 10 | 280161 892472 | 1147 |
| 970515 | 1913 | <i>Stenella attenuata</i> | 53 | 280089 893171 | 915 |
| 970516 | 0855 | Unidentified dolphin | 1 | 265517 900164 | 2562 |
| 970516 | 1232 | <i>Stenella attenuata</i> | 30 | 262475 895967 | 2763 |
| 970517 | 1402 | <i>Stenella attenuata</i> | 100 | 272517 910151 | 1391 |
| 970519 | 1306 | <i>Tursiops truncatus</i> | 5 | 285447 950345 | 18 |
| 970519 | 1435 | <i>Tursiops truncatus</i> | 20 | 284049 951728 | 22 |
| 970519 | 1739 | <i>Tursiops truncatus</i> | 9 | 281302 954591 | 31 |
| 970519 | 1752 | <i>Tursiops truncatus</i> | 6 | 281113 954834 | 33 |
| 970520 | 0701 | <i>Kogia sp.</i> | 1 | 261611 960010 | 952 |
| 970520 | 0728 | <i>Kogia sp.</i> | 1 | 261188 960008 | 1007 |
| 970520 | 1453 | Unidentified dolphin | 12 | 260117 951488 | 1793 |
| 970520 | 1533 | <i>Stenella clymene</i> | 70 | 260248 950968 | 1757 |
| 970520 | 1622 | <i>Stenella attenuata</i> | 87 | 260255 950220 | 2397 |
| 970521 | 0940 | <i>Stenella frontalis</i> | 14 | 275376 945979 | 110 |
| 970521 | 1312 | <i>Tursiops truncatus</i> | 2 | 275886 943555 | 73 |
| 970521 | 1341 | <i>Tursiops truncatus</i> | 4 | 275911 943154 | 73 |
| 970521 | 1354 | <i>Tursiops truncatus</i> | 4 | 280030 943115 | 68 |
| 970521 | 1507 | <i>Tursiops truncatus</i> | 5 | 280006 942233 | 81 |
| 970523 | 0703 | <i>Globicephala sp.</i> | 3 | 263060 921314 | 1903 |
| 970523 | 1015 | <i>Globicephala sp.</i> | 10 | 262991 924402 | 1647 |
| 970523 | 1410 | <i>Stenella attenuata</i> | 150 | 263927 930009 | 1506 |
| 970523 | 1550 | <i>Mesoplodon sp.</i> | 1 | 265320 925980 | 1318 |
| 970523 | 1903 | <i>M. densirostris</i> | 1 | 270503 930067 | 1365 |
| 970523 | 1924 | <i>Stenella attenuata</i> | 6 | 270695 925993 | 1299 |
| 970524 | 1005 | Unidentified dolphin | 4 | 273008 920017 | 732 |
| 970524 | 1636 | Unidentified dolphin | 3 | 273478 904898 | 1138 |
| 970525 | 0836 | <i>Stenella attenuata</i> | 25 | 280667 895046 | 595 |
| 970525 | 1008 | <i>Physeter macrocephalus</i> | 1 | 281636 893807 | 851 |
| 970525 | 1035 | <i>Stenella clymene</i> | 20 | 281862 893547 | 833 |
| 970525 | 1155 | <i>Grampus griseus</i> | 4 | 282603 892432 | 571 |
| 970525 | 1242 | <i>Grampus griseus</i> | 2 | 282997 892011 | 393 |
| 970525 | 1329 | Unidentified dolphin | 2 | 283433 891323 | 309 |
| 970525 | 1600 | <i>Grampus griseus</i> | 25 | 284636 885567 | 573 |
| 970525 | 1617 | <i>Grampus griseus</i> | 3 | 284655 885437 | 620 |
| 970525 | 1654 | Unidentified dolphin | 2 | 284710 885059 | 673 |
| 970525 | 1849 | <i>Stenella attenuata</i> | 160 | 284471 883568 | 941 |
| 970525 | 1922 | <i>Grampus griseus</i> | 11 | 284504 883066 | 1190 |
| 970525 | 1934 | Unidentified dolphin | 3 | 284625 883023 | 1248 |
| 970530 | 1218 | <i>Tursiops truncatus</i> | 30 | 280198 850012 | 223 |
| 970530 | 1251 | Unidentified dolphin | 3 | 280666 845959 | 188 |
| 970530 | 1434 | <i>Stenella frontalis</i> | 38 | 281910 845452 | 93 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|---------------------------------|------------|---------------|----------------|
| 970530 | 1456 | <i>T. truncatus/S.frontalis</i> | 4 | 282242 845348 | 79 |
| 970530 | 1631 | <i>Stenella frontalis</i> | 5 | 282393 844661 | 59 |
| 970530 | 1658 | <i>Tursiops truncatus</i> | 2 | 282633 844307 | 57 |
| 970530 | 1744 | <i>Stenella frontalis</i> | 11 | 282815 843499 | 53 |
| 970530 | 1758 | <i>Stenella frontalis</i> | 3 | 282963 843309 | 49 |
| 970530 | 1830 | <i>T. truncatus/S.frontalis</i> | 2 | 283276 843080 | 46 |
| 970530 | 1914 | <i>Tursiops truncatus</i> | 1 | 283402 842830 | 42 |
| 970531 | 0601 | <i>Stenella frontalis</i> | 14 | 283189 845759 | 82 |
| 970531 | 0619 | <i>Stenella frontalis</i> | 10 | 282928 845942 | 93 |
| 970531 | 0631 | Unidentified dolphin | 5 | 282837 850137 | 106 |
| 970531 | 0634 | <i>Stenella frontalis</i> | 1 | 282818 850175 | 106 |
| 970531 | 0648 | <i>T. truncatus/S.frontalis</i> | 3 | 282646 850318 | 119 |
| 970531 | 0651 | <i>T. truncatus/S.frontalis</i> | 25 | 282603 850342 | 119 |
| 970531 | 0658 | <i>Stenella frontalis</i> | 7 | 282503 850417 | 126 |
| 970531 | 0813 | Unidentified dolphin | 1 | 281361 850780 | 181 |
| 970531 | 0903 | Unidentified dolphin | 1 | 280659 851156 | 271 |
| 970531 | 0944 | <i>Stenella longirostris</i> | 130 | 280466 851373 | 313 |
| 970531 | 1214 | Unidentified dolphin | 4 | 275294 852063 | 549 |
| 970531 | 1522 | <i>Stenella attenuata</i> | 115 | 273006 853662 | 2745 |
| 970531 | 1609 | <i>Stenella attenuata</i> | 8 | 272420 853616 | 2745 |
| 970601 | 0632 | <i>Stenella attenuata</i> | 10 | 274214 853494 | 1427 |
| 970601 | 0635 | Unidentified small whale | 1 | 274247 853489 | 1427 |
| 970601 | 0727 | <i>Stenella attenuata</i> | 37 | 275014 853579 | 813 |
| 970601 | 1045 | Unidentified dolphin | 2 | 282043 853511 | 276 |
| 970601 | 1157 | <i>Tursiops truncatus</i> | 3 | 282614 853424 | 223 |
| 970601 | 1205 | <i>Tursiops truncatus</i> | 3 | 282748 853409 | 216 |
| 970601 | 1240 | <i>Tursiops truncatus</i> | 4 | 283298 853357 | 192 |
| 970601 | 1754 | <i>Stenella frontalis</i> | 30 | 290477 853868 | 132 |
| 970602 | 0933 | Unidentified odontocete | 1 | 282436 855627 | 355 |
| 970602 | 1020 | <i>Grampus griseus</i> | 3 | 282051 855768 | 415 |
| 970602 | 1218 | <i>Physeter macrocephalus</i> | 2 | 280533 860423 | 820 |
| 970602 | 1408 | <i>Pseudorca crassidens</i> | 35 | 280355 860729 | 915 |
| 970602 | 1408 | <i>Steno bredanensis</i> | 2 | 280355 860729 | 915 |
| 970602 | 1813 | <i>Pseudorca crassidens</i> | 22 | 280436 861529 | 915 |
| 970603 | 0621 | <i>Stenella sp.</i> | 3 | 281798 860972 | 547 |
| 970603 | 1343 | <i>Lagenodelphis hosei</i> | 117 | 291241 861466 | 251 |
| 970603 | 1415 | Unidentified large whale | 1 | 291709 861295 | 210 |
| 970603 | 1912 | <i>Stenella frontalis</i> | 30 | 293941 861649 | 66 |
| 970604 | 0813 | <i>Tursiops truncatus</i> | 15 | 295999 861772 | 40 |
| 970604 | 0851 | <i>Tursiops truncatus</i> | 16 | 300560 861742 | 31 |
| 970604 | 0916 | <i>Tursiops truncatus</i> | 3 | 300832 861749 | 29 |
| 970604 | 1009 | <i>T. truncatus/S.frontalis</i> | 1 | 301330 862274 | 26 |

| DATE | TIME | SPECIES | GROUP SIZE | POSITION | DEPTH (METERS) |
|--------|------|---------------------------------|---------------|---------------|-------------------|
| 970604 | 1030 | <i>Tursiops truncatus</i> | 15 | 301417 862464 | 24 |
| 970604 | 1033 | <i>T. truncatus/S.frontalis</i> | 20 | 301415 862502 | 24 |
| 970604 | 1109 | <i>Stenella frontalis</i> | 8 | 301328 863064 | 24 |
| 970604 | 1112 | <i>T. truncatus/S.frontalis</i> | 3 | 301269 863066 | 24 |
| 970604 | 1121 | <i>Tursiops truncatus</i> | 9 | 301162 863128 | 24 |
| 970604 | 1123 | <i>Tursiops truncatus</i> | 5 | 301133 863143 | 24 |
| 970604 | 1130 | <i>T. truncatus/S.frontalis</i> | 6 | 301027 863152 | 24 |
| 970604 | 1147 | <i>Tursiops truncatus</i> | 2 | 300763 863166 | 24 |
| 970604 | 1156 | <i>Tursiops truncatus</i> | 5 | 300624 863165 | 24 |
| 970604 | 1157 | <i>T. truncatus/S.frontalis</i> | 3 | 300609 863166 | 24 |
| 970604 | 1612 | <i>Stenella frontalis</i> | 23 | 293933 863206 | 143 |
| 970604 | 1732 | <i>Stenella frontalis</i> | 25 | 292988 863304 | 216 |
| 970604 | 1811 | <i>Grampus griseus</i> | 7 | 292885 863546 | 242 |
| 970604 | 1925 | <i>Tursiops truncatus</i> | 6 | 291861 863701 | 179 |
| 970605 | 1311 | <i>Tursiops truncatus</i> | 1 | 281739 864053 | 831 |
| 970605 | 1447 | <i>Kogia sp.</i> | 1 | 280857 864418 | 2882 |
| 970606 | 1343 | <i>Stenella longirostris</i> | 485 | 292450 865284 | 845 |
| 970606 | 1643 | <i>Tursiops truncatus</i> | 12 | 294702 870019 | 185 |
| 970606 | 1730 | <i>Tursiops truncatus</i> | 5 | 295394 870111 | 156 |
| 970606 | 1732 | <i>T. truncatus/S.frontalis</i> | 12 | 295426 870113 | 156 |
| 970606 | 1844 | <i>T. truncatus/S.frontalis</i> | 2 | 300048 870084 | 59 |
| 970606 | 1857 | <i>T. truncatus/S.frontalis</i> | 3 | 300251 870085 | 53 |
| 970606 | 1907 | <i>Stenella frontalis</i> | 8 | 300391 865990 | 53 |
| 970606 | 1948 | <i>Stenella frontalis</i> | 17 | 300649 870039 | 27 |
| 970607 | 0612 | <i>Tursiops truncatus</i> | 7 | 300657 871526 | 24 |
| 970607 | 0622 | <i>Stenella frontalis</i> | 11 | 300492 871513 | 31 |
| 970607 | 0722 | <i>Stenella frontalis</i> | 29 | 295782 871625 | 86 |
| 970607 | 0806 | <i>Stenella frontalis</i> | 42 | 295483 871971 | 27 |
| 970607 | 0900 | <i>Stenella frontalis</i> | 3 | 294662 871951 | 88 |
| 970607 | 1117 | <i>Tursiops truncatus</i> | 3 | 293083 871862 | 302 |
| 970607 | 1840 | Unidentified dolphin | 1 | 283320 872291 | 1347 |
| 970608 | 0921 | <i>Stenella attenuata</i> | 35 | 284710 873828 | 2196 |
| 970608 | 1226 | <i>Stenella attenuata</i> | 55 | 291001 873929 | 1136 |
| 970608 | 1257 | Unidentified odontocete | 2 | 291509 873979 | 589 |
| 970608 | 1344 | <i>Tursiops truncatus</i> | 10 | 292260 874071 | 104 |
| 970609 | 1107 | <i>Stenella attenuata</i> | 43 | 285560 880535 | 1519 |
| 970609 | 1333 | <i>Stenella attenuata</i> | 40 | 285251 882957 | 816 |
| 970609 | 1620 | <i>Grampus griseus</i> | 3 | 284425 885785 | 564 |
| 970609 | 1645 | Unidentified small whale | 3 | 284292 890116 | 580 |
| 970609 | 1736 | <i>Tursiops truncatus</i> | 38 | 284061 890974 | 269 |

GulfCet II: All ship and aerial surveys. Locations, group size, and effort data

| Platform | Survey | Date | Time | Latitude | Longitude | Species | Group size | Effort |
|-----------|--------|-----------|-------|----------|-----------|-------------------------------|------------|--------|
| Oregon II | 220 | 17 Apr 96 | 14:53 | 29.512 | 86.542 | <i>Tursiops truncatus</i> | 3 | ON |
| Oregon II | 220 | 17 Apr 96 | 16:50 | 29.417 | 86.415 | <i>Tursiops truncatus</i> | 7 | ON |
| Oregon II | 220 | 18 Apr 96 | 11:51 | 27.505 | 85.004 | <i>Stenella longirostris</i> | 750 | ON |
| Oregon II | 220 | 18 Apr 96 | 15:13 | 27.165 | 84.967 | <i>Stenella longirostris</i> | 500 | ON |
| Oregon II | 220 | 19 Apr 96 | 16:03 | 25.212 | 84.003 | <i>Stenella frontalis</i> | 11 | ON |
| Oregon II | 220 | 19 Apr 96 | 16:29 | 25.130 | 84.004 | <i>Tursiops truncatus</i> | 8 | ON |
| Oregon II | 220 | 20 Apr 96 | 12:59 | 24.999 | 85.194 | <i>Stenella attenuata</i> | 5 | ON |
| Oregon II | 220 | 21 Apr 96 | 16:23 | 27.455 | 86.003 | <i>Stenella attenuata</i> | 18 | ON |
| Oregon II | 220 | 21 Apr 96 | 18:50 | 27.789 | 86.007 | <i>Stenella attenuata</i> | 21 | ON |
| Oregon II | 220 | 22 Apr 96 | 06:20 | 29.002 | 86.556 | Unidentified odontocete | 1 | ON |
| Oregon II | 220 | 22 Apr 96 | 07:35 | 29.016 | 86.773 | <i>Grampus griseus</i> | 2 | ON |
| Oregon II | 220 | 22 Apr 96 | 10:03 | 28.996 | 87.000 | <i>Stenella attenuata</i> | 125 | OFF |
| Oregon II | 220 | 22 Apr 96 | 12:25 | 28.667 | 87.011 | Unidentified large whale | 1 | ON |
| Oregon II | 220 | 23 Apr 96 | 13:02 | 26.065 | 87.428 | Unidentified dolphin | 1 | ON |
| Oregon II | 220 | 23 Apr 96 | 15:21 | 26.001 | 87.592 | <i>Stenella attenuata</i> | 150 | ON |
| Oregon II | 220 | 23 Apr 96 | 17:20 | 26.014 | 87.907 | <i>Stenella attenuata</i> | 125 | ON |
| Oregon II | 220 | 23 Apr 96 | 18:10 | 26.002 | 87.994 | <i>Stenella clymene</i> | 78 | ON |
| Oregon II | 220 | 24 Apr 96 | 15:33 | 28.126 | 87.991 | <i>Ziphiidae fm.</i> | 1 | ON |
| Oregon II | 220 | 25 Apr 96 | 07:13 | 28.999 | 88.560 | Unidentified dolphin | 1 | ON |
| Oregon II | 220 | 25 Apr 96 | 07:42 | 28.993 | 88.627 | <i>Grampus griseus</i> | 8 | ON |
| Oregon II | 220 | 25 Apr 96 | 11:12 | 28.884 | 89.016 | <i>Tursiops truncatus</i> | 8 | ON |
| Oregon II | 220 | 25 Apr 96 | 11:59 | 28.758 | 89.010 | <i>Grampus griseus</i> | 3 | ON |
| Oregon II | 220 | 25 Apr 96 | 12:26 | 28.714 | 89.004 | <i>Grampus griseus</i> | 3 | ON |
| Oregon II | 220 | 25 Apr 96 | 13:18 | 28.583 | 88.980 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 220 | 25 Apr 96 | 13:47 | 28.513 | 88.997 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 220 | 25 Apr 96 | 13:55 | 28.502 | 88.999 | <i>Physeter macrocephalus</i> | 1 | ON |

| | | | | | | | | |
|-----------|-----|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Oregon II | 220 | 25 Apr 96 | 15:17 | 28.441 | 88.989 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 220 | 25 Apr 96 | 15:42 | 28.379 | 88.989 | <i>Physeter macrocephalus</i> | 4 | ON |
| Oregon II | 220 | 25 Apr 96 | 15:58 | 28.334 | 88.989 | <i>Physeter macrocephalus</i> | 2 | ON |
| Oregon II | 220 | 25 Apr 96 | 16:02 | 28.324 | 88.990 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 220 | 26 Apr 96 | 11:01 | 25.983 | 89.073 | <i>Stenella attenuata</i> | 80 | ON |
| Oregon II | 220 | 26 Apr 96 | 16:14 | 26.009 | 89.886 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 220 | 27 Apr 96 | 07:25 | 27.525 | 90.506 | <i>Stenella attenuata</i> | 75 | ON |
| Oregon II | 220 | 27 Apr 96 | 08:46 | 27.502 | 90.728 | Unidentified dolphin | 1 | ON |
| Oregon II | 220 | 27 Apr 96 | 09:45 | 27.552 | 90.863 | <i>Stenella coeruleoalba</i> | 80 | ON |
| Oregon II | 220 | 27 Apr 96 | 10:52 | 27.503 | 91.004 | <i>Stenella clymene</i> | 68 | ON |
| Oregon II | 220 | 28 Apr 96 | 06:58 | 26.092 | 92.005 | Unidentified dolphin | 2 | ON |
| Oregon II | 220 | 28 Apr 96 | 12:00 | 26.862 | 91.991 | <i>Stenella clymene</i> | 100 | ON |
| Oregon II | 220 | 29 Apr 96 | 09:40 | 26.262 | 93.000 | <i>Stenella clymene</i> | 75 | ON |
| Oregon II | 220 | 30 Apr 96 | 18:36 | 27.385 | 94.978 | <i>Stenella attenuata</i> | 50 | ON |
| Oregon II | 220 | 30 Apr 96 | 19:11 | 27.316 | 95.017 | <i>Stenella clymene</i> | 150 | ON |
| Oregon II | 220 | 01 May 96 | 07:15 | 25.997 | 95.163 | <i>Ziphius cavirostris</i> | 2 | ON |
| Oregon II | 220 | 01 May 96 | 12:54 | 26.018 | 95.998 | <i>Stenella attenuata</i> | 45 | ON |
| Oregon II | 220 | 01 May 96 | 18:33 | 26.591 | 95.990 | Unidentified small whale | 3 | ON |
| Oregon II | 220 | 02 May 96 | 14:05 | 28.009 | 95.023 | <i>Tursiops truncatus</i> | 12 | ON |
| Oregon II | 220 | 02 May 96 | 17:15 | 27.999 | 94.589 | <i>Tursiops truncatus</i> | 7 | ON |
| Oregon II | 220 | 02 May 96 | 17:28 | 27.999 | 94.548 | <i>Stenella frontalis</i> | 40 | ON |
| Oregon II | 220 | 03 May 96 | 07:17 | 28.002 | 92.566 | <i>Tursiops truncatus</i> | 2 | ON |
| Oregon II | 220 | 03 May 96 | 07:17 | 28.002 | 92.566 | <i>Grampus griseus</i> | 3 | ON |
| Oregon II | 220 | 03 May 96 | 11:00 | 27.990 | 91.992 | Unidentified dolphin | 2 | ON |
| Oregon II | 220 | 04 May 96 | 10:05 | 28.322 | 89.291 | <i>Stenella attenuata</i> | 40 | ON |
| Oregon II | 220 | 04 May 96 | 11:28 | 28.509 | 89.158 | <i>Kogia simus</i> | 4 | ON |
| Oregon II | 220 | 04 May 96 | 12:31 | 28.660 | 89.036 | <i>Tursiops truncatus</i> | 4 | OFF |

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|-----------|-----|-----------|-------|--------|--------|---|-----|-----|
| Oregon II | 220 | 08 May 96 | 07:22 | 29.362 | 86.359 | <i>Tursiops truncatus</i> | 1 | ON |
| Oregon II | 220 | 08 May 96 | 13:44 | 28.877 | 85.904 | <i>Tursiops truncatus</i> | 2 | ON |
| Oregon II | 220 | 08 May 96 | 14:54 | 28.761 | 85.741 | Unidentified dolphin | 4 | ON |
| Oregon II | 220 | 08 May 96 | 16:03 | 28.605 | 85.604 | <i>Stenella frontalis</i> | 10 | ON |
| Oregon II | 220 | 08 May 96 | 17:42 | 28.483 | 85.503 | <i>Balaenoptera edeni</i> | 2 | OFF |
| Oregon II | 220 | 09 May 96 | 11:44 | 26.403 | 85.044 | <i>Stenella attenuata</i> | 220 | ON |
| Oregon II | 220 | 09 May 96 | 13:15 | 26.182 | 85.009 | <i>Grampus griseus</i> | 9 | ON |
| Oregon II | 220 | 09 May 96 | 17:38 | 26.000 | 84.673 | <i>Tursiops truncatus</i> | 30 | ON |
| Oregon II | 220 | 10 May 96 | 11:03 | 24.432 | 84.112 | <i>Stenella attenuata</i> | 20 | ON |
| Oregon II | 220 | 10 May 96 | 12:12 | 24.458 | 84.118 | Unidentified dolphin | 3 | ON |
| Oregon II | 220 | 10 May 96 | 17:31 | 24.457 | 83.457 | <i>Stenella longirostris</i> | 500 | ON |
| Oregon II | 220 | 12 May 96 | 11:06 | 24.288 | 82.175 | <i>Tursiops truncatus</i> | 12 | ON |
| Oregon II | 220 | 12 May 96 | 15:54 | 24.354 | 83.224 | <i>Tursiops truncatus</i> | 12 | ON |
| Oregon II | 220 | 12 May 96 | 16:21 | 24.387 | 83.264 | <i>Tursiops truncatus</i> | 10 | ON |
| Oregon II | 220 | 12 May 96 | 17:39 | 24.412 | 83.516 | <i>Grampus griseus</i> | 7 | ON |
| Oregon II | 220 | 12 May 96 | 18:58 | 24.422 | 83.752 | <i>Stenella attenuata</i> | 100 | ON |
| Oregon II | 220 | 13 May 96 | 06:39 | 24.718 | 85.005 | <i>Physeter macrocephalus</i> | 2 | ON |
| Oregon II | 220 | 13 May 96 | 07:07 | 24.764 | 85.023 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 220 | 13 May 96 | 16:06 | 25.011 | 85.854 | <i>Grampus griseus</i> | 15 | ON |
| Oregon II | 220 | 13 May 96 | 16:29 | 25.019 | 85.913 | <i>Grampus griseus</i> | 6 | ON |
| Oregon II | 220 | 13 May 96 | 19:01 | 25.044 | 85.984 | <i>Grampus griseus</i> | 4 | ON |
| Oregon II | 220 | 14 May 96 | 12:39 | 26.671 | 86.008 | <i>Grampus griseus</i> | 4 | ON |
| Oregon II | 220 | 14 May 96 | 16:46 | 27.068 | 85.956 | Unidentified large whale | 1 | ON |
| Oregon II | 220 | 15 May 96 | 15:24 | 28.995 | 86.601 | <i>Stenella clymene/ longirostris/coerulealba</i> | 2 | ON |
| Oregon II | 220 | 15 May 96 | 17:23 | 29.002 | 86.976 | <i>Stenella attenuata</i> | 35 | ON |
| Oregon II | 220 | 16 May 96 | 06:17 | 27.381 | 87.011 | <i>Physeter macrocephalus</i> | 3 | ON |
| Oregon II | 220 | 16 May 96 | 06:22 | 27.368 | 87.012 | <i>Physeter macrocephalus</i> | 1 | ON |

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|-----------|-----|-----------|-------|--------|--------|--|-----|-----|
| Oregon II | 220 | 16 May 96 | 11:16 | 26.788 | 86.989 | <i>Stenella attenuata</i> | 30 | ON |
| Oregon II | 220 | 16 May 96 | 15:08 | 26.384 | 87.010 | Unidentified dolphin | 1 | ON |
| Oregon II | 220 | 17 May 96 | 06:27 | 26.696 | 87.994 | <i>Stenella clymene</i> | 15 | ON |
| Oregon II | 220 | 17 May 96 | 10:01 | 27.102 | 87.992 | <i>Stenella attenuata</i> | 150 | ON |
| Oregon II | 220 | 17 May 96 | 11:26 | 27.335 | 87.987 | <i>Ziphius cavirostris</i> | 1 | ON |
| Oregon II | 220 | 17 May 96 | 13:11 | 27.490 | 88.009 | Unidentified dolphin | 2 | ON |
| Oregon II | 220 | 17 May 96 | 13:13 | 27.492 | 88.007 | <i>Physeter macrocephalus</i> | 4 | OFF |
| Oregon II | 220 | 17 May 96 | 13:48 | 27.493 | 87.999 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Oregon II | 220 | 17 May 96 | 17:19 | 27.989 | 87.978 | <i>Stenella attenuata</i> | 300 | ON |
| Oregon II | 220 | 17 May 96 | 19:33 | 28.171 | 88.020 | <i>Stenella attenuata</i> | 200 | ON |
| Oregon II | 220 | 18 May 96 | 06:18 | 29.623 | 87.998 | <i>Tursiops truncatus/Stenella frontalis</i> | 5 | ON |
| Oregon II | 220 | 18 May 96 | 06:51 | 29.707 | 87.995 | <i>Stenella frontalis</i> | 4 | ON |
| Oregon II | 220 | 18 May 96 | 09:41 | 29.323 | 88.225 | <i>Tursiops truncatus</i> | 23 | ON |
| Oregon II | 220 | 18 May 96 | 11:16 | 29.128 | 88.414 | <i>Tursiops truncatus</i> | 10 | ON |
| Oregon II | 220 | 18 May 96 | 13:25 | 28.984 | 88.540 | <i>Grampus griseus</i> | 24 | ON |
| Oregon II | 220 | 18 May 96 | 14:04 | 29.028 | 88.619 | Unidentified dolphin | 1 | OFF |
| Oregon II | 220 | 18 May 96 | 14:27 | 29.048 | 88.686 | <i>Tursiops truncatus</i> | 10 | ON |
| Oregon II | 220 | 18 May 96 | 14:55 | 29.018 | 88.763 | <i>Tursiops truncatus</i> | 11 | ON |
| Oregon II | 220 | 18 May 96 | 16:07 | 29.027 | 88.984 | <i>Tursiops truncatus</i> | 15 | ON |
| Oregon II | 220 | 18 May 96 | 17:14 | 28.990 | 88.995 | Unidentified dolphin | 2 | ON |
| Oregon II | 220 | 18 May 96 | 18:52 | 28.731 | 88.999 | <i>Grampus griseus</i> | 4 | ON |
| Oregon II | 220 | 19 May 96 | 07:20 | 27.111 | 88.997 | <i>Stenella attenuata</i> | 13 | ON |
| Oregon II | 220 | 19 May 96 | 08:11 | 26.974 | 88.993 | <i>Stenella attenuata</i> | 200 | ON |
| Oregon II | 220 | 19 May 96 | 10:23 | 26.867 | 89.006 | <i>Stenella attenuata</i> | 150 | ON |
| Oregon II | 220 | 19 May 96 | 11:21 | 26.721 | 88.992 | <i>Stenella attenuata</i> | 650 | ON |
| Oregon II | 220 | 19 May 96 | 12:37 | 26.569 | 89.035 | <i>Physeter macrocephalus</i> | 3 | ON |
| Oregon II | 220 | 19 May 96 | 18:53 | 25.984 | 89.162 | <i>Physeter macrocephalus</i> | 1 | ON |

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|-----------|-----|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Oregon II | 220 | 19 May 96 | 19:11 | 25.985 | 89.214 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 220 | 20 May 96 | 10:50 | 27.151 | 89.992 | <i>Ziphiidae fm.</i> | 2 | ON |
| Oregon II | 220 | 20 May 96 | 11:31 | 27.269 | 90.010 | <i>Stenella attenuata</i> | 150 | ON |
| Oregon II | 220 | 20 May 96 | 12:17 | 27.377 | 90.007 | <i>Grampus griseus</i> | 20 | ON |
| Oregon II | 220 | 20 May 96 | 12:30 | 27.389 | 89.987 | <i>Stenella attenuata</i> | 150 | ON |
| Oregon II | 220 | 20 May 96 | 12:58 | 27.454 | 90.001 | <i>Ziphiidae fm.</i> | 4 | ON |
| Oregon II | 220 | 20 May 96 | 15:16 | 27.743 | 90.003 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 220 | 20 May 96 | 15:18 | 27.752 | 90.003 | <i>Physeter macrocephalus</i> | 2 | ON |
| Oregon II | 220 | 20 May 96 | 19:37 | 28.048 | 90.234 | <i>Tursiops truncatus</i> | 75 | ON |
| Oregon II | 220 | 21 May 96 | 06:30 | 27.338 | 91.002 | <i>Stenella attenuata</i> | 20 | ON |
| Oregon II | 220 | 21 May 96 | 06:44 | 27.299 | 91.002 | <i>Stenella attenuata</i> | 18 | ON |
| Oregon II | 220 | 21 May 96 | 07:03 | 27.259 | 91.031 | <i>Stenella attenuata</i> | 15 | ON |
| Oregon II | 220 | 21 May 96 | 07:47 | 27.149 | 90.988 | <i>Stenella attenuata</i> | 20 | ON |
| Oregon II | 220 | 21 May 96 | 10:27 | 26.944 | 91.002 | <i>Stenella clymene</i> | 55 | ON |
| Oregon II | 220 | 21 May 96 | 12:36 | 26.788 | 91.034 | <i>Orcinus orca</i> | 4 | ON |
| Oregon II | 220 | 21 May 96 | 17:19 | 26.105 | 91.029 | Unidentified dolphin | 1 | ON |
| Oregon II | 220 | 22 May 96 | 06:51 | 26.581 | 91.981 | <i>Stenella clymene</i> | 75 | ON |
| Oregon II | 220 | 22 May 96 | 07:36 | 26.676 | 92.004 | <i>Stenella attenuata</i> | 45 | ON |
| Oregon II | 220 | 22 May 96 | 07:38 | 26.683 | 92.003 | <i>Stenella attenuata</i> | 40 | OFF |
| Oregon II | 220 | 22 May 96 | 07:51 | 26.711 | 91.996 | <i>Grampus griseus</i> | 12 | ON |
| Oregon II | 220 | 22 May 96 | 08:06 | 26.744 | 91.982 | <i>Stenella attenuata</i> | 45 | ON |
| Oregon II | 220 | 22 May 96 | 09:35 | 26.968 | 91.987 | <i>Stenella attenuata</i> | 20 | ON |
| Oregon II | 220 | 22 May 96 | 11:15 | 27.032 | 91.997 | <i>Ziphius cavirostris</i> | 1 | ON |
| Oregon II | 220 | 22 May 96 | 11:27 | 27.061 | 92.000 | <i>Kogia breviceps</i> | 1 | ON |
| Oregon II | 220 | 22 May 96 | 11:32 | 27.075 | 92.001 | <i>Kogia breviceps</i> | 1 | ON |
| Oregon II | 220 | 22 May 96 | 12:04 | 27.147 | 92.003 | <i>Stenella attenuata</i> | 17 | ON |
| Oregon II | 220 | 22 May 96 | 12:06 | 27.141 | 92.003 | <i>Kogia breviceps</i> | 1 | OFF |

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|-----------|-----|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Oregon II | 220 | 22 May 96 | 12:18 | 27.167 | 92.008 | <i>Kogia sp.</i> | 5 | ON |
| Oregon II | 220 | 22 May 96 | 12:44 | 27.188 | 92.040 | <i>Grampus griseus</i> | 10 | ON |
| Oregon II | 220 | 22 May 96 | 13:30 | 27.263 | 92.028 | <i>Stenella attenuata</i> | 25 | ON |
| Oregon II | 220 | 22 May 96 | 13:36 | 27.279 | 92.025 | <i>Ziphius cavirostris</i> | 1 | ON |
| Oregon II | 220 | 22 May 96 | 13:42 | 27.295 | 92.024 | <i>Kogia sp.</i> | 3 | ON |
| Oregon II | 220 | 22 May 96 | 14:46 | 27.464 | 91.990 | <i>Stenella attenuata</i> | 175 | ON |
| Oregon II | 220 | 22 May 96 | 16:36 | 27.613 | 91.957 | <i>Globicephala sp.</i> | 27 | ON |
| Oregon II | 220 | 22 May 96 | 16:38 | 27.619 | 91.957 | <i>Stenella attenuata</i> | 30 | OFF |
| Oregon II | 220 | 22 May 96 | 16:40 | 27.625 | 91.957 | Unidentified dolphin | 15 | OFF |
| Oregon II | 220 | 22 May 96 | 16:45 | 27.630 | 91.956 | <i>Kogia simus</i> | 2 | OFF |
| Oregon II | 220 | 22 May 96 | 16:48 | 27.632 | 91.957 | <i>Kogia simus</i> | 6 | OFF |
| Oregon II | 220 | 22 May 96 | 17:35 | 27.756 | 91.969 | <i>Kogia simus</i> | 4 | ON |
| Oregon II | 220 | 22 May 96 | 18:10 | 27.847 | 91.994 | Unidentified small whale | 1 | ON |
| Oregon II | 220 | 22 May 96 | 18:26 | 27.876 | 91.955 | <i>Stenella frontalis</i> | 15 | ON |
| Oregon II | 220 | 22 May 96 | 18:31 | 27.878 | 91.941 | <i>Stenella frontalis</i> | 10 | OFF |
| Oregon II | 220 | 22 May 96 | 18:33 | 27.882 | 91.935 | Unidentified dolphin | 4 | ON |
| Oregon II | 220 | 22 May 96 | 19:20 | 27.960 | 91.898 | <i>Stenella frontalis</i> | 30 | ON |
| Oregon II | 220 | 22 May 96 | 19:43 | 27.988 | 91.955 | Unidentified dolphin | 1 | ON |
| Oregon II | 220 | 23 May 96 | 06:52 | 27.588 | 92.940 | <i>Globicephala sp.</i> | 35 | ON |
| Oregon II | 220 | 23 May 96 | 08:56 | 27.424 | 92.953 | <i>Stenella attenuata</i> | 100 | ON |
| Oregon II | 220 | 23 May 96 | 09:32 | 27.354 | 93.011 | <i>Stenella attenuata</i> | 115 | ON |
| Oregon II | 220 | 23 May 96 | 10:06 | 27.272 | 92.993 | <i>Ziphius cavirostris</i> | 2 | ON |
| Oregon II | 220 | 23 May 96 | 11:19 | 27.220 | 93.033 | <i>Peponocephala electra</i> | 125 | ON |
| Oregon II | 220 | 23 May 96 | 15:20 | 26.758 | 92.996 | Unidentified odontocete | 2 | ON |
| Oregon II | 220 | 23 May 96 | 16:57 | 26.501 | 93.000 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 220 | 23 May 96 | 17:55 | 26.455 | 93.006 | <i>Ziphiidae fm.</i> | 1 | ON |
| Oregon II | 220 | 23 May 96 | 19:33 | 26.281 | 93.015 | <i>Grampus griseus</i> | 4 | ON |

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|-----------|-----|-----------|-------|--------|--------|--|-----|-----|
| Oregon II | 220 | 24 May 96 | 07:30 | 26.499 | 94.000 | <i>Ziphius cavirostris</i> | 1 | ON |
| Oregon II | 220 | 25 May 96 | 07:06 | 28.105 | 91.200 | <i>Stenella frontalis</i> | 6 | OFF |
| Oregon II | 220 | 25 May 96 | 08:02 | 28.143 | 91.006 | <i>Tursiops truncatus</i> | 1 | OFF |
| Oregon II | 220 | 25 May 96 | 08:51 | 28.176 | 90.837 | <i>Tursiops truncatus/Stenella frontalis</i> | 3 | ON |
| Oregon II | 220 | 25 May 96 | 10:06 | 28.231 | 90.573 | Unidentified dolphin | 2 | ON |
| Oregon II | 220 | 25 May 96 | 10:13 | 28.241 | 90.549 | <i>Tursiops truncatus</i> | 2 | ON |
| Oregon II | 220 | 25 May 96 | 10:13 | 28.241 | 90.549 | <i>Stenella frontalis</i> | 10 | ON |
| Oregon II | 220 | 25 May 96 | 11:30 | 28.316 | 90.288 | <i>Tursiops truncatus/Stenella frontalis</i> | 4 | ON |
| Oregon II | 220 | 25 May 96 | 14:33 | 28.443 | 89.645 | <i>Stenella attenuata</i> | 40 | ON |
| Oregon II | 220 | 25 May 96 | 14:49 | 28.454 | 89.587 | <i>Grampus griseus</i> | 2 | ON |
| Oregon II | 220 | 25 May 96 | 15:21 | 28.473 | 89.473 | <i>Grampus griseus</i> | 6 | ON |
| Oregon II | 220 | 25 May 96 | 15:21 | 28.473 | 89.473 | <i>Stenella attenuata</i> | 25 | ON |
| Oregon II | 220 | 25 May 96 | 15:24 | 28.475 | 89.462 | Unidentified small whale | 1 | OFF |
| Oregon II | 220 | 25 May 96 | 16:59 | 28.511 | 89.134 | <i>Physeter macrocephalus</i> | 3 | ON |
| Oregon II | 220 | 25 May 96 | 17:38 | 28.606 | 89.060 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 220 | 25 May 96 | 17:48 | 28.633 | 89.048 | <i>Grampus griseus</i> | 8 | ON |
| Oregon II | 220 | 25 May 96 | 18:23 | 28.716 | 88.979 | Unidentified dolphin | 4 | OFF |
| Oregon II | 220 | 25 May 96 | 18:41 | 28.748 | 88.930 | Unidentified odontocete | 1 | ON |
| Oregon II | 220 | 25 May 96 | 19:24 | 28.853 | 88.842 | <i>Grampus griseus</i> | 8 | ON |
| Oregon II | 220 | 29 May 96 | 18:38 | 29.498 | 87.818 | <i>Tursiops truncatus</i> | 3 | ON |
| Oregon II | 220 | 30 May 96 | 07:11 | 27.875 | 86.089 | <i>Stenella attenuata</i> | 40 | ON |
| Oregon II | 220 | 30 May 96 | 07:55 | 27.792 | 86.020 | <i>Stenella attenuata</i> | 60 | ON |
| Oregon II | 220 | 30 May 96 | 09:59 | 27.589 | 85.713 | <i>Stenella attenuata</i> | 115 | ON |
| Oregon II | 220 | 30 May 96 | 10:21 | 27.560 | 85.656 | <i>Stenella attenuata</i> | 48 | ON |
| Oregon II | 220 | 30 May 96 | 13:53 | 27.301 | 85.371 | <i>Stenella attenuata</i> | 65 | ON |
| Oregon II | 220 | 30 May 96 | 15:10 | 27.412 | 85.163 | <i>Stenella attenuata</i> | 20 | ON |
| Oregon II | 220 | 30 May 96 | 17:29 | 27.634 | 84.779 | <i>Tursiops truncatus</i> | 6 | ON |

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|-----------|-----|-----------|-------|--------|--------|--|-----|-----|
| Oregon II | 220 | 31 May 96 | 05:59 | 28.180 | 84.803 | <i>Stenella frontalis</i> | 7 | OFF |
| Oregon II | 220 | 31 May 96 | 11:45 | 27.741 | 85.513 | <i>Stenella attenuata</i> | 40 | ON |
| Oregon II | 220 | 31 May 96 | 12:38 | 27.670 | 85.625 | <i>Stenella attenuata</i> | 175 | ON |
| Oregon II | 220 | 31 May 96 | 15:17 | 27.745 | 85.751 | <i>Stenella attenuata</i> | 50 | ON |
| Oregon II | 220 | 31 May 96 | 17:54 | 28.062 | 85.637 | <i>Tursiops truncatus/Stenella frontalis</i> | 1 | OFF |
| Oregon II | 220 | 31 May 96 | 19:14 | 28.207 | 85.563 | <i>Stenella longirostris</i> | 32 | ON |
| Oregon II | 220 | 01 Jun 96 | 16:30 | 28.357 | 85.365 | <i>Tursiops truncatus</i> | 2 | OFF |
| Oregon II | 220 | 01 Jun 96 | 16:30 | 28.357 | 85.365 | <i>Stenella frontalis</i> | 9 | OFF |
| Oregon II | 220 | 02 Jun 96 | 15:53 | 28.054 | 86.009 | <i>Physeter macrocephalus</i> | 5 | ON |
| Oregon II | 220 | 02 Jun 96 | 17:43 | 27.762 | 86.124 | Unidentified small whale | 1 | ON |
| Oregon II | 220 | 03 Jun 96 | 07:22 | 28.200 | 86.191 | <i>Stenella attenuata</i> | 120 | ON |
| Oregon II | 220 | 03 Jun 96 | 09:46 | 28.561 | 86.195 | <i>Tursiops truncatus</i> | 15 | ON |
| Oregon II | 220 | 03 Jun 96 | 10:34 | 28.668 | 86.236 | <i>Tursiops truncatus</i> | 8 | ON |
| Oregon II | 220 | 03 Jun 96 | 11:14 | 28.751 | 86.218 | <i>Tursiops truncatus</i> | 6 | ON |
| Oregon II | 220 | 03 Jun 96 | 15:40 | 29.324 | 86.234 | <i>Tursiops truncatus</i> | 10 | ON |
| Oregon II | 220 | 03 Jun 96 | 16:11 | 29.409 | 86.240 | <i>Tursiops truncatus</i> | 4 | ON |
| Oregon II | 220 | 03 Jun 96 | 18:03 | 29.598 | 86.255 | <i>Tursiops truncatus</i> | 5 | ON |
| Oregon II | 220 | 03 Jun 96 | 18:36 | 29.650 | 86.225 | <i>Stenella frontalis</i> | 70 | ON |
| Oregon II | 220 | 04 Jun 96 | 06:09 | 29.836 | 86.251 | <i>Stenella frontalis</i> | 15 | OFF |
| Oregon II | 220 | 04 Jun 96 | 06:39 | 29.914 | 86.242 | <i>Tursiops truncatus</i> | 15 | ON |
| Oregon II | 220 | 04 Jun 96 | 06:57 | 29.967 | 86.254 | Unidentified dolphin | 4 | ON |
| Oregon II | 220 | 04 Jun 96 | 07:54 | 30.114 | 86.289 | <i>Tursiops truncatus</i> | 12 | ON |
| Oregon II | 220 | 04 Jun 96 | 08:10 | 30.131 | 86.284 | <i>Tursiops truncatus</i> | 17 | ON |
| Oregon II | 220 | 04 Jun 96 | 08:34 | 30.198 | 86.299 | <i>Tursiops truncatus/Stenella frontalis</i> | 2 | ON |
| Oregon II | 220 | 04 Jun 96 | 09:27 | 30.197 | 86.326 | <i>Tursiops truncatus/Stenella frontalis</i> | 5 | ON |
| Oregon II | 220 | 04 Jun 96 | 09:34 | 30.202 | 86.347 | <i>Tursiops truncatus</i> | 12 | ON |
| Oregon II | 220 | 04 Jun 96 | 09:37 | 30.205 | 86.358 | <i>Tursiops truncatus/Stenella frontalis</i> | 1 | ON |

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|-----------|-----|-----------|-------|--------|--------|--|-----|-----|
| Oregon II | 220 | 04 Jun 96 | 09:41 | 30.208 | 86.368 | <i>Tursiops truncatus</i> | 4 | ON |
| Oregon II | 220 | 04 Jun 96 | 11:18 | 30.160 | 86.510 | <i>Tursiops truncatus/Stenella frontalis</i> | 1 | ON |
| Oregon II | 220 | 04 Jun 96 | 11:20 | 30.154 | 86.510 | <i>Tursiops truncatus/Stenella frontalis</i> | 1 | ON |
| Oregon II | 220 | 04 Jun 96 | 12:07 | 30.124 | 86.526 | <i>Stenella frontalis</i> | 38 | ON |
| Oregon II | 220 | 04 Jun 96 | 12:54 | 30.078 | 86.515 | <i>Stenella frontalis</i> | 20 | ON |
| Oregon II | 220 | 04 Jun 96 | 13:34 | 29.977 | 86.542 | Unidentified dolphin | 1 | ON |
| Oregon II | 220 | 04 Jun 96 | 14:45 | 29.781 | 86.550 | Unidentified small whale | 1 | ON |
| Oregon II | 220 | 04 Jun 96 | 17:43 | 29.420 | 86.543 | Unidentified dolphin | 1 | ON |
| Oregon II | 220 | 04 Jun 96 | 18:38 | 29.306 | 86.614 | <i>Kogia breviceps</i> | 2 | OFF |
| Oregon II | 220 | 04 Jun 96 | 19:27 | 29.271 | 86.665 | <i>Stenella coeruleoalba</i> | 30 | ON |
| Oregon II | 220 | 05 Jun 96 | 06:19 | 29.208 | 86.651 | <i>Stenella coeruleoalba</i> | 21 | ON |
| Oregon II | 220 | 05 Jun 96 | 06:35 | 29.184 | 86.623 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 220 | 05 Jun 96 | 06:43 | 29.160 | 86.621 | Unidentified dolphin | 1 | ON |
| Oregon II | 220 | 05 Jun 96 | 06:56 | 29.121 | 86.618 | Unidentified dolphin | 1 | ON |
| Oregon II | 220 | 05 Jun 96 | 07:07 | 29.094 | 86.612 | <i>Grampus griseus</i> | 20 | ON |
| Oregon II | 220 | 05 Jun 96 | 08:44 | 28.999 | 86.660 | Unidentified dolphin | 5 | ON |
| Oregon II | 220 | 05 Jun 96 | 08:49 | 28.999 | 86.656 | Unidentified dolphin | 8 | OFF |
| Oregon II | 220 | 05 Jun 96 | 08:51 | 29.002 | 86.651 | <i>Grampus griseus</i> | 12 | OFF |
| Oregon II | 220 | 05 Jun 96 | 08:56 | 29.009 | 86.639 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 220 | 05 Jun 96 | 09:10 | 29.015 | 86.603 | <i>Kogia sp.</i> | 1 | OFF |
| Oregon II | 220 | 05 Jun 96 | 09:40 | 28.994 | 86.555 | <i>Tursiops truncatus</i> | 45 | ON |
| Oregon II | 220 | 05 Jun 96 | 09:49 | 28.974 | 86.566 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 220 | 05 Jun 96 | 11:12 | 28.950 | 86.594 | <i>Stenella longirostris</i> | 250 | OFF |
| Oregon II | 220 | 05 Jun 96 | 11:42 | 28.904 | 86.598 | <i>Stenella longirostris</i> | 100 | ON |
| Oregon II | 220 | 05 Jun 96 | 12:37 | 28.775 | 86.638 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 220 | 05 Jun 96 | 12:46 | 28.763 | 86.645 | <i>Grampus griseus</i> | 6 | ON |
| Oregon II | 220 | 05 Jun 96 | 13:33 | 28.669 | 86.631 | <i>Grampus griseus</i> | 10 | ON |

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|-----------|-----------|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Oregon II | 220 | 05 Jun 96 | 13:58 | 28.611 | 86.662 | <i>Grampus griseus</i> | 8 | ON |
| Oregon II | 220 | 05 Jun 96 | 14:10 | 28.594 | 86.643 | <i>Grampus griseus</i> | 4 | ON |
| Oregon II | 220 | 05 Jun 96 | 14:26 | 28.552 | 86.650 | <i>Grampus griseus</i> | 8 | ON |
| Oregon II | 220 | 05 Jun 96 | 16:11 | 28.287 | 86.634 | <i>Stenella attenuata</i> | 200 | ON |
| Oregon II | 220 | 05 Jun 96 | 18:30 | 28.091 | 86.713 | <i>Stenella attenuata</i> | 100 | ON |
| Oregon II | 220 | 05 Jun 96 | 19:29 | 28.200 | 86.759 | <i>Grampus griseus</i> | 15 | ON |
| Oregon II | 220 | 06 Jun 96 | 06:36 | 28.249 | 86.838 | <i>Stenella attenuata</i> | 85 | ON |
| Oregon II | 220 | 06 Jun 96 | 06:58 | 28.287 | 86.860 | <i>Physeter macrocephalus</i> | 3 | ON |
| Oregon II | 220 | 06 Jun 96 | 08:27 | 28.517 | 86.844 | <i>Stenella attenuata</i> | 85 | ON |
| Oregon II | 220 | 06 Jun 96 | 12:53 | 29.142 | 86.923 | <i>Grampus griseus</i> | 7 | ON |
| Oregon II | 220 | 06 Jun 96 | 14:23 | 29.409 | 86.954 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 220 | 06 Jun 96 | 14:50 | 29.450 | 86.898 | <i>Tursiops truncatus</i> | 4 | OFF |
| Oregon II | 220 | 06 Jun 96 | 14:52 | 29.450 | 86.893 | Unidentified dolphin | 5 | OFF |
| Oregon II | 220 | 06 Jun 96 | 15:02 | 29.450 | 86.861 | <i>Tursiops truncatus</i> | 172 | ON |
| Oregon II | 220 | 06 Jun 96 | 16:45 | 29.552 | 86.904 | <i>Grampus griseus</i> | 15 | ON |
| Oregon II | 220 | 06 Jun 96 | 19:30 | 29.747 | 87.058 | <i>Balaenoptera sp.</i> | 1 | ON |
| Oregon II | 220 | 06 Jun 96 | 19:32 | 29.747 | 87.059 | <i>Balaenoptera edeni</i> | 4 | ON |
| Oregon II | 220 | 07 Jun 96 | 07:13 | 29.917 | 86.973 | <i>Stenella frontalis</i> | 28 | ON |
| Oregon II | 220 | 07 Jun 96 | 08:37 | 30.134 | 87.041 | <i>Stenella frontalis</i> | 28 | ON |
| Oregon II | 220 | 07 Jun 96 | 09:42 | 30.160 | 87.054 | <i>Stenella frontalis</i> | 7 | ON |
| Oregon II | 220 | 07 Jun 96 | 10:26 | 30.050 | 87.118 | <i>Stenella frontalis</i> | 21 | ON |
| Oregon II | 220 | 07 Jun 96 | 11:06 | 29.951 | 87.130 | <i>Tursiops truncatus</i> | 10 | ON |
| Oregon II | 220 | 07 Jun 96 | 11:29 | 29.904 | 87.166 | <i>Stenella frontalis</i> | 25 | ON |
| Oregon II | 220 | 07 Jun 96 | 13:12 | 29.668 | 87.289 | <i>Tursiops truncatus</i> | 5 | ON |
| Oregon II | 220 | 08 Jun 96 | 10:27 | 29.172 | 87.654 | <i>Stenella attenuata</i> | 75 | ON |
| Aerial | Summer 96 | 11 Jul 96 | 09:36 | 29.274 | 88.097 | <i>Tursiops truncatus</i> | 5 | ON |
| Aerial | Summer 96 | 11 Jul 96 | 09:51 | 28.973 | 88.107 | <i>Physeter macrocephalus</i> | 2 | ON |

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|--------|-----------|-----------|-------|--------|--------|--|-----|-----|
| Aerial | Summer 96 | 11 Jul 96 | 10:08 | 28.958 | 87.967 | <i>Kogia sp.</i> | 2 | ON |
| Aerial | Summer 96 | 11 Jul 96 | 12:09 | 29.146 | 87.403 | <i>Stenella attenuata</i> | 45 | OFF |
| Aerial | Summer 96 | 11 Jul 96 | 12:22 | 29.339 | 87.391 | <i>Grampus griseus</i> | 9 | OFF |
| Aerial | Summer 96 | 11 Jul 96 | 12:54 | 29.877 | 87.398 | <i>Tursiops truncatus</i> | 12 | ON |
| Aerial | Summer 96 | 11 Jul 96 | 13:38 | 29.453 | 87.664 | <i>Tursiops truncatus</i> | 10 | ON |
| Aerial | Summer 96 | 11 Jul 96 | 13:43 | 29.484 | 87.667 | <i>Tursiops truncatus</i> | 6 | ON |
| Aerial | Summer 96 | 11 Jul 96 | 13:47 | 29.561 | 87.666 | <i>Tursiops truncatus</i> | 5 | ON |
| Aerial | Summer 96 | 12 Jul 96 | 10:01 | 29.519 | 87.227 | <i>Tursiops truncatus/Stenella frontalis</i> | 2 | ON |
| Aerial | Summer 96 | 12 Jul 96 | 10:01 | 29.519 | 87.227 | <i>Grampus griseus</i> | 10 | ON |
| Aerial | Summer 96 | 12 Jul 96 | 10:11 | 29.413 | 87.247 | <i>Stenella attenuata</i> | 36 | ON |
| Aerial | Summer 96 | 12 Jul 96 | 10:17 | 29.373 | 87.253 | <i>Grampus griseus</i> | 7 | ON |
| Aerial | Summer 96 | 12 Jul 96 | 10:42 | 28.939 | 87.329 | <i>Stenella attenuata</i> | 10 | ON |
| Aerial | Summer 96 | 12 Jul 96 | 10:56 | 28.654 | 87.377 | <i>Physeter macrocephalus</i> | 1 | ON |
| Aerial | Summer 96 | 12 Jul 96 | 11:27 | 28.464 | 87.349 | <i>Stenella longirostris</i> | 140 | ON |
| Aerial | Summer 96 | 12 Jul 96 | 13:19 | 29.779 | 87.817 | <i>Tursiops truncatus</i> | 13 | ON |
| Aerial | Summer 96 | 12 Jul 96 | 14:24 | 29.734 | 88.093 | <i>Tursiops truncatus</i> | 32 | ON |
| Aerial | Summer 96 | 12 Jul 96 | 14:32 | 29.891 | 88.099 | <i>Tursiops truncatus</i> | 4 | OFF |
| Aerial | Summer 96 | 13 Jul 96 | 11:40 | 30.241 | 86.608 | Unidentified dolphin | 5 | OFF |
| Aerial | Summer 96 | 13 Jul 96 | 11:53 | 30.173 | 86.692 | <i>Tursiops truncatus</i> | 7 | OFF |
| Aerial | Summer 96 | 13 Jul 96 | 12:01 | 30.097 | 86.685 | <i>Stenella frontalis</i> | 42 | ON |
| Aerial | Summer 96 | 13 Jul 96 | 12:40 | 30.091 | 86.974 | <i>Stenella frontalis</i> | 27 | ON |
| Aerial | Summer 96 | 14 Jul 96 | 11:29 | 28.465 | 87.013 | <i>Stenella attenuata</i> | 125 | ON |
| Aerial | Summer 96 | 14 Jul 96 | 12:05 | 28.899 | 86.671 | <i>Kogia sp.</i> | 5 | ON |
| Aerial | Summer 96 | 15 Jul 96 | 09:16 | 28.370 | 86.838 | <i>Kogia sp.</i> | 1 | ON |
| Aerial | Summer 96 | 15 Jul 96 | 09:19 | 28.296 | 86.882 | <i>Kogia sp.</i> | 1 | ON |
| Aerial | Summer 96 | 15 Jul 96 | 09:26 | 28.192 | 86.838 | <i>Ziphiidae fm.</i> | 2 | OFF |
| Aerial | Summer 96 | 15 Jul 96 | 09:28 | 28.212 | 86.799 | <i>Kogia sp.</i> | 1 | ON |

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|--------|-----------|-----------|-------|--------|--------|--|-----|-----|
| Aerial | Summer 96 | 15 Jul 96 | 09:34 | 28.267 | 86.760 | <i>Physeter macrocephalus</i> | 1 | ON |
| Aerial | Summer 96 | 15 Jul 96 | 10:32 | 29.080 | 86.046 | <i>Kogia sp.</i> | 1 | ON |
| Aerial | Summer 96 | 15 Jul 96 | 10:37 | 28.940 | 86.148 | <i>Kogia sp.</i> | 1 | ON |
| Aerial | Summer 96 | 15 Jul 96 | 10:47 | 28.914 | 86.158 | <i>Tursiops truncatus</i> | 51 | ON |
| Aerial | Summer 96 | 15 Jul 96 | 11:32 | 28.083 | 86.615 | <i>Stenella coeruleoalba</i> | 48 | OFF |
| Aerial | Summer 96 | 15 Jul 96 | 12:05 | 28.506 | 86.281 | <i>Stenella clymene</i> | 150 | ON |
| Aerial | Summer 96 | 15 Jul 96 | 12:48 | 29.414 | 86.004 | <i>Tursiops truncatus</i> | 7 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 08:43 | 28.920 | 85.840 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 08:52 | 28.796 | 85.919 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 09:19 | 28.235 | 86.279 | <i>Stenella coeruleoalba</i> | 14 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 09:37 | 28.168 | 86.331 | <i>Kogia sp.</i> | 3 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 09:37 | 28.168 | 86.331 | <i>Stenella attenuata</i> | 250 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 09:43 | 28.090 | 86.384 | Unidentified odontocete | 1 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 09:56 | 27.996 | 86.259 | <i>Stenella attenuata</i> | 10 | OFF |
| Aerial | Summer 96 | 19 Jul 96 | 10:26 | 28.461 | 85.981 | <i>Stenella longirostris</i> | 250 | OFF |
| Aerial | Summer 96 | 19 Jul 96 | 10:51 | 28.993 | 85.634 | <i>Tursiops truncatus</i> | 10 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 11:22 | 28.528 | 85.787 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 11:36 | 28.271 | 85.947 | <i>Grampus griseus</i> | 9 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 11:44 | 28.169 | 86.019 | <i>Stenella attenuata</i> | 90 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 12:37 | 28.778 | 85.419 | <i>Tursiops truncatus</i> | 10 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 12:45 | 28.997 | 85.515 | <i>Tursiops truncatus</i> | 4 | OFF |
| Aerial | Summer 96 | 19 Jul 96 | 13:18 | 29.819 | 86.132 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 13:22 | 29.947 | 86.133 | <i>Kogia sp.</i> | 1 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 13:31 | 29.983 | 86.134 | <i>Tursiops truncatus</i> | 5 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 13:31 | 30.005 | 86.131 | <i>Tursiops truncatus/Stenella frontalis</i> | 10 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 13:36 | 30.098 | 86.130 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Summer 96 | 19 Jul 96 | 13:51 | 30.178 | 86.397 | <i>Tursiops truncatus</i> | 17 | OFF |

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|--------|-----------|-----------|-------|--------|--------|--|-----|-----|
| Aerial | Summer 96 | 19 Jul 96 | 14:01 | 30.148 | 86.401 | <i>Stenella frontalis</i> | 22 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 09:10 | 28.665 | 85.286 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 09:24 | 28.391 | 85.519 | <i>Tursiops truncatus</i> | 5 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 09:36 | 28.293 | 85.609 | <i>Stenella attenuata</i> | 170 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 09:43 | 28.159 | 85.727 | <i>Grampus griseus</i> | 6 | OFF |
| Aerial | Summer 96 | 20 Jul 96 | 10:05 | 27.932 | 85.795 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 10:14 | 28.014 | 85.709 | <i>Stenella attenuata</i> | 55 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 10:29 | 28.172 | 85.545 | <i>Stenella attenuata</i> | 45 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 10:45 | 28.325 | 85.391 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 10:59 | 28.548 | 85.154 | Unidentified dolphin | 1 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 11:15 | 28.651 | 85.077 | <i>Stenella frontalis</i> | 35 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 11:55 | 27.911 | 85.652 | <i>Stenella attenuata</i> | 160 | OFF |
| Aerial | Summer 96 | 20 Jul 96 | 11:59 | 27.887 | 85.679 | <i>Mesoplodon sp.</i> | 2 | OFF |
| Aerial | Summer 96 | 20 Jul 96 | 12:21 | 27.802 | 85.602 | <i>Stenella attenuata</i> | 165 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 12:30 | 27.957 | 85.385 | <i>Kogia sp.</i> | 1 | ON |
| Aerial | Summer 96 | 20 Jul 96 | 12:46 | 28.212 | 85.046 | <i>Tursiops truncatus</i> | 5 | ON |
| Aerial | Summer 96 | 21 Jul 96 | 11:06 | 28.222 | 84.819 | <i>Tursiops truncatus/Stenella frontalis</i> | 2 | OFF |
| Aerial | Summer 96 | 21 Jul 96 | 11:20 | 28.067 | 85.046 | <i>Tursiops truncatus</i> | 6 | OFF |
| Aerial | Summer 96 | 21 Jul 96 | 11:30 | 27.988 | 85.131 | <i>Tursiops truncatus</i> | 15 | OFF |
| Aerial | Summer 96 | 21 Jul 96 | 11:52 | 27.937 | 85.221 | <i>Stenella clymene</i> | 95 | OFF |
| Aerial | Summer 96 | 21 Jul 96 | 12:12 | 27.641 | 85.622 | <i>Tursiops truncatus</i> | 5 | ON |
| Aerial | Summer 96 | 21 Jul 96 | 12:16 | 27.621 | 85.654 | <i>Kogia sp.</i> | 4 | ON |
| Aerial | Summer 96 | 21 Jul 96 | 12:23 | 27.574 | 85.549 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Summer 96 | 21 Jul 96 | 14:06 | 27.959 | 84.977 | <i>Tursiops truncatus</i> | 6 | OFF |
| Aerial | Summer 96 | 21 Jul 96 | 14:06 | 27.959 | 84.977 | <i>Balaenoptera edeni</i> | 7 | OFF |
| Aerial | Summer 96 | 22 Jul 96 | 09:03 | 27.956 | 84.613 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Summer 96 | 22 Jul 96 | 09:47 | 27.353 | 85.506 | Unidentified dolphin | 1 | ON |

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|--------|-----------|-----------|-------|--------|--------|--|-----|-----|
| Aerial | Summer 96 | 22 Jul 96 | 09:47 | 27.353 | 85.506 | <i>Ziphius cavirostris</i> | 1 | ON |
| Aerial | Summer 96 | 22 Jul 96 | 10:00 | 27.448 | 85.312 | <i>Stenella attenuata</i> | 100 | ON |
| Aerial | Summer 96 | 22 Jul 96 | 10:07 | 27.556 | 85.095 | <i>Kogia sp.</i> | 2 | ON |
| Aerial | Summer 96 | 22 Jul 96 | 10:32 | 27.831 | 84.528 | <i>Tursiops truncatus</i> | 15 | ON |
| Aerial | Summer 96 | 22 Jul 96 | 10:56 | 27.639 | 84.594 | <i>Stenella frontalis</i> | 85 | ON |
| Aerial | Summer 96 | 22 Jul 96 | 11:16 | 27.471 | 85.018 | <i>Grampus griseus</i> | 8 | OFF |
| Aerial | Summer 96 | 22 Jul 96 | 11:40 | 27.332 | 85.331 | <i>Stenella clymene</i> | 80 | ON |
| Aerial | Summer 96 | 22 Jul 96 | 11:46 | 27.335 | 85.345 | <i>Stenella attenuata</i> | 16 | OFF |
| Aerial | Summer 96 | 22 Jul 96 | 11:58 | 27.181 | 85.462 | Unidentified dolphin | 2 | OFF |
| Aerial | Summer 96 | 22 Jul 96 | 12:05 | 27.180 | 85.352 | <i>Mesoplodon sp.</i> | 2 | ON |
| Aerial | Summer 96 | 22 Jul 96 | 12:12 | 27.214 | 85.280 | <i>Ziphius cavirostris</i> | 1 | ON |
| Aerial | Summer 96 | 22 Jul 96 | 12:48 | 27.592 | 84.371 | <i>Stenella frontalis</i> | 21 | OFF |
| Aerial | Summer 96 | 23 Jul 96 | 09:08 | 27.022 | 84.237 | <i>Stenella frontalis</i> | 42 | ON |
| Aerial | Summer 96 | 23 Jul 96 | 09:48 | 26.918 | 85.004 | <i>Kogia sp.</i> | 1 | OFF |
| Aerial | Summer 96 | 23 Jul 96 | 10:56 | 26.941 | 85.266 | <i>Grampus griseus</i> | 10 | ON |
| Aerial | Summer 96 | 23 Jul 96 | 10:59 | 26.974 | 85.306 | <i>Grampus griseus</i> | 11 | OFF |
| Aerial | Summer 96 | 23 Jul 96 | 11:12 | 27.068 | 85.247 | Unidentified odontocete | 3 | OFF |
| Aerial | Summer 96 | 23 Jul 96 | 11:40 | 27.365 | 84.537 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Summer 96 | 30 Jul 96 | 13:45 | 26.735 | 84.870 | <i>Stenella attenuata</i> | 120 | OFF |
| Aerial | Summer 96 | 30 Jul 96 | 13:50 | 26.717 | 84.983 | <i>Mesoplodon sp.</i> | 1 | OFF |
| Aerial | Summer 96 | 30 Jul 96 | 14:10 | 26.660 | 84.786 | <i>Grampus griseus</i> | 38 | ON |
| Aerial | Summer 96 | 30 Jul 96 | 14:55 | 26.628 | 84.237 | <i>Tursiops truncatus/Stenella frontalis</i> | 2 | ON |
| Aerial | Summer 96 | 30 Jul 96 | 15:39 | 26.421 | 84.688 | <i>Tursiops truncatus</i> | 25 | ON |
| Aerial | Summer 96 | 31 Jul 96 | 09:52 | 26.036 | 83.913 | <i>Stenella frontalis</i> | 26 | ON |
| Aerial | Summer 96 | 31 Jul 96 | 10:04 | 26.020 | 84.025 | <i>Tursiops truncatus</i> | 27 | ON |
| Aerial | Summer 96 | 31 Jul 96 | 10:36 | 25.913 | 84.748 | <i>Stenella attenuata</i> | 23 | ON |
| Aerial | Summer 96 | 31 Jul 96 | 10:41 | 25.905 | 84.838 | <i>Mesoplodon sp.</i> | 2 | ON |

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|--------|-----------|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Aerial | Summer 96 | 31 Jul 96 | 12:34 | 26.285 | 84.619 | <i>Stenella attenuata</i> | 120 | OFF |
| Gyre | 96G06 | 11 Oct 96 | 16:17 | 28.035 | 87.833 | Unidentified dolphin | 2 | ON |
| Gyre | 96G06 | 13 Oct 96 | 07:10 | 26.683 | 85.950 | <i>Stenella attenuata</i> | 20 | OFF |
| Gyre | 96G06 | 14 Oct 96 | 07:15 | 27.964 | 84.920 | <i>Tursiops truncatus</i> | 6 | ON |
| Gyre | 96G06 | 15 Oct 96 | 03:08 | 28.850 | 85.480 | <i>Stenella frontalis</i> | 5 | OFF |
| Gyre | 96G06 | 15 Oct 96 | 10:30 | 28.367 | 86.433 | <i>Physeter macrocephalus</i> | 2 | ON |
| Gyre | 96G06 | 15 Oct 96 | 12:18 | 28.262 | 86.527 | Unidentified odontocete | 1 | ON |
| Gyre | 96G06 | 15 Oct 96 | 12:44 | 28.249 | 86.589 | <i>Stenella attenuata</i> | 70 | ON |
| Gyre | 96G06 | 16 Oct 96 | 06:50 | 29.797 | 86.748 | <i>Tursiops truncatus</i> | 6 | ON |
| Gyre | 96G06 | 16 Oct 96 | 07:50 | 29.921 | 86.757 | <i>Tursiops truncatus</i> | 10 | OFF |
| Gyre | 96G06 | 16 Oct 96 | 10:37 | 30.199 | 86.827 | <i>Stenella frontalis</i> | 3 | OFF |
| Gyre | 96G06 | 16 Oct 96 | 11:48 | 30.091 | 86.944 | <i>Tursiops truncatus</i> | 1 | OFF |
| Gyre | 96G06 | 16 Oct 96 | 12:06 | 30.066 | 86.973 | <i>Tursiops truncatus</i> | 2 | ON |
| Gyre | 96G06 | 16 Oct 96 | 12:39 | 30.018 | 87.027 | Unidentified dolphin | 2 | ON |
| Gyre | 96G06 | 16 Oct 96 | 12:46 | 30.009 | 87.041 | <i>Tursiops truncatus</i> | 1 | ON |
| Gyre | 96G06 | 16 Oct 96 | 13:06 | 29.986 | 87.080 | <i>Stenella frontalis</i> | 40 | ON |
| Gyre | 96G06 | 16 Oct 96 | 14:56 | 29.916 | 87.320 | <i>Tursiops truncatus</i> | 2 | ON |
| Gyre | 96G06 | 16 Oct 96 | 15:31 | 29.910 | 87.402 | <i>Tursiops truncatus</i> | 15 | ON |
| Gyre | 96G06 | 16 Oct 96 | 18:12 | 29.589 | 87.401 | Unidentified dolphin | 1 | ON |
| Gyre | 96G06 | 17 Oct 96 | 09:10 | 28.564 | 87.359 | <i>Ziphiidae fm.</i> | 1 | ON |
| Gyre | 96G06 | 17 Oct 96 | 09:45 | 28.606 | 87.364 | Unidentified cetacean | 1 | ON |
| Gyre | 96G06 | 17 Oct 96 | 15:04 | 27.867 | 87.404 | <i>Kogia sp.</i> | 1 | ON |
| Gyre | 96G06 | 18 Oct 96 | 08:29 | 29.201 | 88.180 | <i>Tursiops truncatus</i> | 3 | ON |
| Gyre | 96G06 | 20 Oct 96 | 06:58 | 28.664 | 88.990 | <i>Physeter macrocephalus</i> | 3 | ON |
| Gyre | 96G06 | 20 Oct 96 | 09:00 | 28.619 | 88.993 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 20 Oct 96 | 09:41 | 28.624 | 88.983 | <i>Physeter macrocephalus</i> | 3 | OFF |
| Gyre | 96G06 | 20 Oct 96 | 09:48 | 28.629 | 88.973 | <i>Physeter macrocephalus</i> | N/A | OFF |

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|------|-------|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Gyre | 96G06 | 20 Oct 96 | 09:55 | 28.634 | 88.963 | <i>Physeter macrocephalus</i> | 2 | OFF |
| Gyre | 96G06 | 20 Oct 96 | 10:06 | 28.639 | 88.953 | <i>Physeter macrocephalus</i> | N/A | OFF |
| Gyre | 96G06 | 20 Oct 96 | 10:20 | 28.644 | 88.943 | <i>Physeter macrocephalus</i> | 5 | OFF |
| Gyre | 96G06 | 20 Oct 96 | 12:01 | 28.649 | 88.933 | <i>Physeter macrocephalus</i> | N/A | OFF |
| Gyre | 96G06 | 20 Oct 96 | 12:11 | 28.654 | 88.923 | <i>Physeter macrocephalus</i> | N/A | OFF |
| Gyre | 96G06 | 20 Oct 96 | 12:15 | 28.659 | 88.913 | <i>Physeter macrocephalus</i> | N/A | OFF |
| Gyre | 96G06 | 20 Oct 96 | 13:01 | 28.664 | 88.903 | <i>Physeter macrocephalus</i> | N/A | OFF |
| Gyre | 96G06 | 20 Oct 96 | 13:13 | 28.669 | 88.893 | <i>Physeter macrocephalus</i> | N/A | OFF |
| Gyre | 96G06 | 20 Oct 96 | 13:38 | 28.674 | 88.883 | <i>Physeter macrocephalus</i> | N/A | OFF |
| Gyre | 96G06 | 20 Oct 96 | 16:52 | 28.676 | 88.723 | <i>Stenella longirostris</i> | 15 | ON |
| Gyre | 96G06 | 21 Oct 96 | 07:16 | 27.717 | 88.418 | <i>Physeter macrocephalus</i> | 1 | ON |
| Gyre | 96G06 | 21 Oct 96 | 07:23 | 27.703 | 88.410 | <i>Physeter macrocephalus</i> | 2 | ON |
| Gyre | 96G06 | 21 Oct 96 | 07:33 | 27.689 | 88.402 | <i>Physeter macrocephalus</i> | 1 | ON |
| Gyre | 96G06 | 21 Oct 96 | 07:44 | 27.665 | 88.390 | <i>Physeter macrocephalus</i> | 6 | ON |
| Gyre | 96G06 | 21 Oct 96 | 10:04 | 27.438 | 88.222 | <i>Ziphius cavirostris</i> | 1 | OFF |
| Gyre | 96G06 | 21 Oct 96 | 16:07 | 26.862 | 87.925 | <i>Stenella coeruleoalba</i> | 40 | ON |
| Gyre | 96G06 | 22 Oct 96 | 08:43 | 25.254 | 87.398 | <i>Stenella attenuata</i> | 20 | ON |
| Gyre | 96G06 | 23 Oct 96 | 07:08 | 26.150 | 88.067 | <i>Stenella attenuata</i> | 15 | OFF |
| Gyre | 96G06 | 23 Oct 96 | 08:40 | 26.333 | 88.167 | <i>Stenella attenuata</i> | 25 | OFF |
| Gyre | 96G06 | 23 Oct 96 | 14:30 | 27.016 | 88.516 | <i>Physeter macrocephalus</i> | 2 | OFF |
| Gyre | 96G06 | 24 Oct 96 | 07:20 | 28.367 | 88.450 | <i>Physeter macrocephalus</i> | 5 | ON |
| Gyre | 96G06 | 24 Oct 96 | 14:14 | 27.878 | 89.282 | <i>Stenella coeruleoalba</i> | 40 | ON |
| Gyre | 96G06 | 26 Oct 96 | 07:04 | 26.102 | 87.438 | <i>Stenella clymene</i> | 12 | ON |
| Gyre | 96G06 | 26 Oct 96 | 08:56 | 26.358 | 87.543 | <i>Stenella attenuata</i> | 4 | ON |
| Gyre | 96G06 | 28 Oct 96 | 09:00 | 28.070 | 89.127 | <i>Physeter macrocephalus</i> | 2 | ON |
| Gyre | 96G06 | 28 Oct 96 | 09:08 | 28.080 | 89.135 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 09:20 | 28.093 | 89.145 | <i>Physeter macrocephalus</i> | 1 | OFF |

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|------|-------|-----------|-------|--------|--------|-------------------------------|----|-----|
| Gyre | 96G06 | 28 Oct 96 | 09:59 | 28.102 | 89.157 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 10:07 | 28.093 | 89.162 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 10:25 | 28.075 | 89.164 | <i>Physeter macrocephalus</i> | 2 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 10:36 | 28.065 | 89.148 | <i>Physeter macrocephalus</i> | 2 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 10:38 | 28.063 | 89.144 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 10:53 | 28.058 | 89.138 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 11:11 | 28.046 | 89.137 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 11:19 | 28.041 | 89.135 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 11:32 | 28.029 | 89.134 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 11:33 | 28.027 | 89.133 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 11:53 | 28.026 | 89.149 | <i>Physeter macrocephalus</i> | 2 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 12:26 | 28.018 | 89.168 | <i>Physeter macrocephalus</i> | 2 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 14:43 | 28.027 | 89.207 | <i>Physeter macrocephalus</i> | 1 | ON |
| Gyre | 96G06 | 28 Oct 96 | 14:44 | 28.027 | 89.207 | <i>Physeter macrocephalus</i> | 1 | ON |
| Gyre | 96G06 | 28 Oct 96 | 16:08 | 28.173 | 89.259 | <i>Physeter macrocephalus</i> | 1 | ON |
| Gyre | 96G06 | 28 Oct 96 | 16:33 | 28.191 | 85.000 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 28 Oct 96 | 17:41 | 28.274 | 89.330 | <i>Physeter macrocephalus</i> | 1 | ON |
| Gyre | 96G06 | 28 Oct 96 | 17:44 | 28.282 | 89.332 | Unidentified dolphin | 30 | ON |
| Gyre | 96G06 | 28 Oct 96 | 18:01 | 28.291 | 89.373 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 96G06 | 29 Oct 96 | 07:08 | 29.132 | 88.169 | <i>Ziphiidae fm.</i> | 2 | ON |
| Gyre | 96G06 | 29 Oct 96 | 07:37 | 29.197 | 88.167 | <i>Ziphiidae fm.</i> | 1 | ON |
| Gyre | 96G06 | 29 Oct 96 | 07:47 | 29.222 | 88.167 | <i>Tursiops truncatus</i> | 2 | ON |
| Gyre | 96G06 | 29 Oct 96 | 07:55 | 29.239 | 88.166 | Unidentified small whale | 1 | OFF |
| Gyre | 96G06 | 29 Oct 96 | 09:12 | 29.432 | 88.148 | <i>Tursiops truncatus</i> | 10 | ON |
| Gyre | 96G06 | 29 Oct 96 | 09:59 | 29.541 | 88.159 | <i>Tursiops truncatus</i> | 30 | ON |
| Gyre | 96G06 | 29 Oct 96 | 10:29 | 29.613 | 88.163 | <i>Tursiops truncatus</i> | 15 | ON |
| Gyre | 96G06 | 29 Oct 96 | 11:28 | 29.756 | 88.173 | <i>Tursiops truncatus</i> | 9 | ON |

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|--------|-----------|-----------|-------|--------|--------|--|----|-----|
| Gyre | 96G06 | 29 Oct 96 | 11:50 | 29.811 | 88.174 | Unidentified dolphin | 12 | ON |
| Gyre | 96G06 | 29 Oct 96 | 11:59 | 29.835 | 88.174 | Unidentified dolphin | 6 | ON |
| Aerial | Winter 97 | 07 Feb 97 | 10:38 | 29.023 | 87.536 | <i>Physeter macrocephalus</i> | 2 | ON |
| Aerial | Winter 97 | 11 Feb 97 | 13:28 | 29.861 | 87.368 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Winter 97 | 11 Feb 97 | 14:04 | 29.950 | 87.217 | <i>Tursiops truncatus</i> | 45 | OFF |
| Aerial | Winter 97 | 11 Feb 97 | 14:05 | 29.915 | 87.223 | <i>Tursiops truncatus</i> | 22 | OFF |
| Aerial | Winter 97 | 11 Feb 97 | 14:20 | 29.987 | 87.068 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Winter 97 | 11 Feb 97 | 14:27 | 30.119 | 87.066 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Winter 97 | 11 Feb 97 | 14:32 | 30.244 | 86.973 | <i>Tursiops truncatus</i> | 2 | OFF |
| Aerial | Winter 97 | 11 Feb 97 | 15:20 | 30.117 | 86.515 | <i>Stenella frontalis</i> | 6 | OFF |
| Aerial | Winter 97 | 11 Feb 97 | 15:27 | 30.131 | 86.513 | <i>Tursiops truncatus</i> | 56 | ON |
| Aerial | Winter 97 | 11 Feb 97 | 15:48 | 30.005 | 86.363 | <i>Tursiops truncatus</i> | 6 | OFF |
| Aerial | Winter 97 | 11 Feb 97 | 16:10 | 29.741 | 86.233 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Winter 97 | 16 Feb 97 | 09:31 | 30.091 | 88.082 | <i>Tursiops truncatus</i> | 18 | OFF |
| Aerial | Winter 97 | 16 Feb 97 | 09:48 | 29.682 | 88.070 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Winter 97 | 16 Feb 97 | 10:24 | 29.672 | 87.930 | <i>Tursiops truncatus</i> | 32 | ON |
| Aerial | Winter 97 | 16 Feb 97 | 10:31 | 29.701 | 87.931 | <i>Tursiops truncatus</i> | 6 | ON |
| Aerial | Winter 97 | 16 Feb 97 | 10:43 | 30.000 | 87.937 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Winter 97 | 16 Feb 97 | 10:48 | 30.038 | 87.939 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Winter 97 | 16 Feb 97 | 10:49 | 30.071 | 87.936 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Winter 97 | 19 Feb 97 | 09:53 | 29.973 | 87.931 | <i>Tursiops truncatus</i> | 6 | OFF |
| Aerial | Winter 97 | 19 Feb 97 | 10:19 | 29.829 | 87.792 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Winter 97 | 19 Feb 97 | 10:56 | 29.634 | 87.639 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Winter 97 | 19 Feb 97 | 11:25 | 30.058 | 87.672 | <i>Stenella frontalis</i> | 14 | OFF |
| Aerial | Winter 97 | 19 Feb 97 | 11:38 | 30.034 | 87.505 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Winter 97 | 19 Feb 97 | 12:13 | 29.803 | 87.369 | <i>Tursiops truncatus/Stenella frontalis</i> | 1 | ON |
| Aerial | Winter 97 | 02 Mar 97 | 14:49 | 29.098 | 87.139 | <i>Stenella coeruleoalba</i> | 65 | ON |

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|--------|-----------|-----------|-------|--------|--------|--|-----|-----|
| Aerial | Winter 97 | 02 Mar 97 | 15:51 | 29.026 | 87.285 | <i>Stenella attenuata</i> | 80 | ON |
| Aerial | Winter 97 | 03 Mar 97 | 12:50 | 29.361 | 86.369 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Winter 97 | 03 Mar 97 | 13:01 | 29.246 | 86.444 | <i>Tursiops truncatus</i> | 7 | ON |
| Aerial | Winter 97 | 03 Mar 97 | 13:33 | 28.528 | 86.834 | <i>Kogia sp.</i> | 1 | ON |
| Aerial | Winter 97 | 03 Mar 97 | 14:00 | 28.376 | 86.922 | <i>Stenella coeruleoalba</i> | 40 | ON |
| Aerial | Winter 97 | 03 Mar 97 | 14:34 | 28.664 | 86.878 | <i>Kogia sp.</i> | 2 | ON |
| Aerial | Winter 97 | 03 Mar 97 | 14:41 | 28.705 | 86.851 | <i>Tursiops truncatus</i> | 11 | OFF |
| Aerial | Winter 97 | 03 Mar 97 | 15:12 | 29.240 | 86.611 | <i>Tursiops truncatus</i> | 6 | ON |
| Aerial | Winter 97 | 03 Mar 97 | 15:20 | 29.269 | 86.597 | <i>Grampus griseus</i> | 4 | ON |
| Aerial | Winter 97 | 03 Mar 97 | 15:34 | 29.431 | 86.531 | <i>Tursiops truncatus/Stenella frontalis</i> | 6 | ON |
| Aerial | Winter 97 | 03 Mar 97 | 15:40 | 29.451 | 86.521 | <i>Tursiops truncatus/Stenella frontalis</i> | 2 | ON |
| Aerial | Winter 97 | 03 Mar 97 | 16:37 | 30.148 | 86.096 | <i>Stenella frontalis</i> | 10 | ON |
| Aerial | Winter 97 | 04 Mar 97 | 08:49 | 29.902 | 86.718 | <i>Tursiops truncatus</i> | 6 | ON |
| Aerial | Winter 97 | 04 Mar 97 | 09:09 | 29.391 | 86.892 | <i>Grampus griseus</i> | 5 | ON |
| Aerial | Winter 97 | 04 Mar 97 | 09:13 | 29.374 | 86.898 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Winter 97 | 04 Mar 97 | 09:41 | 29.290 | 86.926 | <i>Stenella coeruleoalba</i> | 55 | ON |
| Aerial | Winter 97 | 04 Mar 97 | 10:37 | 28.280 | 87.272 | <i>Stenella attenuata</i> | 85 | ON |
| Aerial | Winter 97 | 04 Mar 97 | 10:38 | 28.260 | 87.268 | <i>Grampus griseus</i> | 10 | OFF |
| Aerial | Winter 97 | 04 Mar 97 | 10:50 | 28.350 | 87.122 | Unidentified large whale | 1 | ON |
| Aerial | Winter 97 | 04 Mar 97 | 11:26 | 29.219 | 86.786 | <i>Grampus griseus</i> | 3 | OFF |
| Aerial | Winter 97 | 04 Mar 97 | 11:37 | 29.318 | 86.741 | <i>Tursiops truncatus</i> | 140 | OFF |
| Aerial | Winter 97 | 04 Mar 97 | 13:35 | 28.963 | 86.439 | <i>Grampus griseus</i> | 4 | ON |
| Aerial | Winter 97 | 04 Mar 97 | 14:05 | 28.194 | 86.894 | Unidentified small whale | 1 | ON |
| Aerial | Winter 97 | 04 Mar 97 | 14:34 | 28.539 | 86.543 | <i>Tursiops truncatus</i> | 42 | ON |
| Aerial | Winter 97 | 04 Mar 97 | 15:30 | 29.718 | 85.968 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Winter 97 | 04 Mar 97 | 15:42 | 29.945 | 85.968 | <i>Tursiops truncatus</i> | 10 | ON |
| Aerial | Winter 97 | 05 Mar 97 | 11:19 | 29.094 | 85.993 | <i>Stenella frontalis</i> | 2 | ON |

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|--------|-----------|-----------|-------|--------|--------|--|-----|-----|
| Aerial | Winter 97 | 05 Mar 97 | 11:49 | 28.546 | 86.378 | <i>Grampus griseus</i> | 5 | ON |
| Aerial | Winter 97 | 05 Mar 97 | 11:54 | 28.524 | 86.394 | <i>Grampus griseus</i> | 3 | ON |
| Aerial | Winter 97 | 05 Mar 97 | 12:32 | 28.131 | 86.673 | <i>Stenella attenuata</i> | 105 | OFF |
| Aerial | Winter 97 | 05 Mar 97 | 13:26 | 28.443 | 86.261 | <i>Stenella longirostris</i> | 630 | OFF |
| Aerial | Winter 97 | 05 Mar 97 | 13:36 | 28.529 | 86.219 | <i>Tursiops truncatus</i> | 9 | ON |
| Aerial | Winter 97 | 05 Mar 97 | 13:44 | 28.617 | 86.161 | <i>Grampus griseus</i> | 2 | ON |
| Aerial | Winter 97 | 05 Mar 97 | 14:12 | 29.182 | 85.762 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Winter 97 | 05 Mar 97 | 14:25 | 29.091 | 85.681 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Winter 97 | 05 Mar 97 | 15:05 | 28.391 | 86.138 | <i>Stenella longirostris</i> | 350 | ON |
| Aerial | Winter 97 | 05 Mar 97 | 15:30 | 27.972 | 86.408 | <i>Stenella attenuata</i> | 53 | ON |
| Aerial | Winter 97 | 05 Mar 97 | 15:44 | 28.144 | 86.127 | <i>Stenella attenuata</i> | 17 | ON |
| Aerial | Winter 97 | 05 Mar 97 | 15:53 | 28.282 | 86.043 | <i>Stenella attenuata</i> | 24 | ON |
| Aerial | Winter 97 | 05 Mar 97 | 16:18 | 28.850 | 85.682 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Winter 97 | 08 Mar 97 | 11:37 | 30.059 | 86.102 | <i>Tursiops truncatus/Stenella frontalis</i> | 4 | ON |
| Aerial | Winter 97 | 08 Mar 97 | 12:54 | 28.191 | 85.951 | <i>Grampus griseus</i> | 2 | OFF |
| Aerial | Winter 97 | 08 Mar 97 | 13:23 | 28.175 | 85.812 | <i>Grampus griseus</i> | 5 | ON |
| Aerial | Winter 97 | 08 Mar 97 | 13:27 | 28.191 | 85.797 | <i>Tursiops truncatus</i> | 10 | ON |
| Aerial | Winter 97 | 08 Mar 97 | 13:35 | 28.316 | 85.715 | <i>Grampus griseus</i> | 2 | OFF |
| Aerial | Winter 97 | 08 Mar 97 | 13:49 | 28.437 | 85.632 | <i>Tursiops truncatus</i> | 4 | OFF |
| Aerial | Winter 97 | 08 Mar 97 | 14:11 | 28.744 | 85.394 | <i>Stenella frontalis</i> | 14 | ON |
| Aerial | Winter 97 | 08 Mar 97 | 14:47 | 28.266 | 85.583 | <i>Grampus griseus</i> | 11 | ON |
| Aerial | Winter 97 | 08 Mar 97 | 14:47 | 28.266 | 85.583 | <i>Tursiops truncatus</i> | 6 | ON |
| Aerial | Winter 97 | 08 Mar 97 | 14:50 | 28.244 | 85.611 | <i>Grampus griseus</i> | 3 | OFF |
| Aerial | Winter 97 | 08 Mar 97 | 15:08 | 28.107 | 85.710 | <i>Stenella coeruleoalba</i> | 60 | OFF |
| Aerial | Winter 97 | 08 Mar 97 | 16:48 | 29.680 | 86.105 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Winter 97 | 08 Mar 97 | 17:05 | 30.145 | 86.101 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Winter 97 | 10 Mar 97 | 09:21 | 27.864 | 85.016 | <i>Tursiops truncatus</i> | 1 | ON |

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|-----------|-----------|-----------|-------|--------|--------|-------------------------------|----|-----|
| Aerial | Winter 97 | 10 Mar 97 | 10:14 | 27.778 | 84.867 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Winter 97 | 10 Mar 97 | 10:56 | 27.589 | 84.942 | <i>Grampus griseus</i> | 4 | OFF |
| Aerial | Winter 97 | 10 Mar 97 | 11:39 | 27.442 | 84.970 | <i>Grampus griseus</i> | 4 | ON |
| Aerial | Winter 97 | 10 Mar 97 | 11:52 | 27.530 | 84.758 | <i>Tursiops truncatus</i> | 8 | ON |
| Aerial | Winter 97 | 10 Mar 97 | 12:29 | 27.422 | 84.694 | Unidentified odontocete | 1 | ON |
| Aerial | Winter 97 | 10 Mar 97 | 12:42 | 27.362 | 84.833 | <i>Grampus griseus</i> | 1 | OFF |
| Aerial | Winter 97 | 10 Mar 97 | 13:19 | 27.142 | 85.001 | <i>Tursiops truncatus</i> | 19 | ON |
| Aerial | Winter 97 | 10 Mar 97 | 13:41 | 27.276 | 84.675 | <i>Stenella frontalis</i> | 53 | ON |
| Aerial | Winter 97 | 11 Mar 97 | 09:36 | 28.416 | 85.017 | <i>Stenella frontalis</i> | 21 | ON |
| Aerial | Winter 97 | 11 Mar 97 | 09:57 | 28.082 | 85.392 | <i>Grampus griseus</i> | 4 | OFF |
| Aerial | Winter 97 | 11 Mar 97 | 10:02 | 28.060 | 85.419 | <i>Grampus griseus</i> | 4 | OFF |
| Aerial | Winter 97 | 11 Mar 97 | 10:48 | 27.897 | 85.410 | <i>Stenella attenuata</i> | 90 | ON |
| Aerial | Winter 97 | 11 Mar 97 | 12:24 | 28.121 | 85.097 | <i>Balaenoptera pycalus</i> | 1 | OFF |
| Aerial | Winter 97 | 11 Mar 97 | 12:24 | 28.121 | 85.097 | <i>Tursiops truncatus</i> | 8 | OFF |
| Aerial | Winter 97 | 11 Mar 97 | 12:26 | 28.135 | 85.084 | <i>Tursiops truncatus</i> | 6 | ON |
| Aerial | Winter 97 | 11 Mar 97 | 13:09 | 27.792 | 85.351 | <i>Tursiops truncatus</i> | 3 | OFF |
| Aerial | Winter 97 | 19 Mar 97 | 09:55 | 26.843 | 85.126 | <i>Pseudorca crassidens</i> | 30 | ON |
| Aerial | Winter 97 | 19 Mar 97 | 10:07 | 26.940 | 84.857 | <i>Grampus griseus</i> | 3 | ON |
| Aerial | Winter 97 | 19 Mar 97 | 11:47 | 26.843 | 84.307 | <i>Stenella frontalis</i> | 12 | OFF |
| Aerial | Winter 97 | 19 Mar 97 | 12:43 | 26.550 | 85.010 | <i>Stenella attenuata</i> | 50 | OFF |
| Aerial | Winter 97 | 19 Mar 97 | 12:56 | 26.490 | 84.803 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Winter 97 | 19 Mar 97 | 13:09 | 26.513 | 84.691 | <i>Stenella attenuata</i> | 27 | ON |
| Aerial | Winter 97 | 19 Mar 97 | 13:40 | 26.638 | 84.022 | <i>Tursiops truncatus</i> | 7 | ON |
| Aerial | Winter 97 | 19 Mar 97 | 13:46 | 26.653 | 83.927 | <i>Tursiops truncatus</i> | 5 | ON |
| Aerial | Winter 97 | 20 Mar 97 | 10:01 | 26.011 | 84.757 | <i>Mesoplodon sp.</i> | 2 | ON |
| Oregon II | 225 | 17 Apr 97 | 11:39 | 29.505 | 86.507 | <i>Tursiops truncatus</i> | 2 | ON |
| Oregon II | 225 | 17 Apr 97 | 14:01 | 29.331 | 86.322 | <i>Physeter macrocephalus</i> | 1 | ON |

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|-----------|-----|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Oregon II | 225 | 17 Apr 97 | 15:48 | 29.105 | 86.102 | Unidentified dolphin | 1 | ON |
| Oregon II | 225 | 19 Apr 97 | 06:28 | 25.109 | 84.006 | <i>Stenella frontalis</i> | 20 | OFF |
| Oregon II | 225 | 19 Apr 97 | 10:49 | 24.651 | 83.990 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 225 | 19 Apr 97 | 11:22 | 24.572 | 84.001 | <i>Grampus griseus</i> | 4 | ON |
| Oregon II | 225 | 19 Apr 97 | 12:49 | 24.492 | 84.016 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 225 | 19 Apr 97 | 14:07 | 24.485 | 84.155 | <i>Grampus griseus</i> | 12 | ON |
| Oregon II | 225 | 19 Apr 97 | 14:33 | 24.509 | 84.167 | <i>Grampus griseus</i> | 4 | ON |
| Oregon II | 225 | 19 Apr 97 | 14:39 | 24.504 | 84.181 | <i>Kogia sp.</i> | 2 | ON |
| Oregon II | 225 | 19 Apr 97 | 14:48 | 24.500 | 84.205 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 225 | 19 Apr 97 | 15:02 | 24.499 | 84.245 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 225 | 19 Apr 97 | 16:04 | 24.515 | 84.368 | Unidentified dolphin | 6 | ON |
| Oregon II | 225 | 19 Apr 97 | 16:04 | 24.515 | 84.368 | <i>Grampus griseus</i> | 11 | ON |
| Oregon II | 225 | 19 Apr 97 | 16:25 | 24.508 | 84.430 | Unidentified dolphin | 3 | ON |
| Oregon II | 225 | 19 Apr 97 | 18:17 | 24.495 | 84.541 | <i>Kogia sp.</i> | 2 | ON |
| Oregon II | 225 | 19 Apr 97 | 19:12 | 24.480 | 84.597 | <i>Feresa attenuata</i> | 13 | ON |
| Oregon II | 225 | 20 Apr 97 | 07:05 | 25.015 | 85.749 | <i>Stenella attenuata</i> | 8 | ON |
| Oregon II | 225 | 20 Apr 97 | 08:20 | 25.006 | 85.995 | Unidentified odontocete | 1 | ON |
| Oregon II | 225 | 20 Apr 97 | 08:46 | 24.999 | 85.999 | Unidentified dolphin | 6 | ON |
| Oregon II | 225 | 20 Apr 97 | 10:53 | 25.152 | 86.005 | Unidentified dolphin | 4 | ON |
| Oregon II | 225 | 20 Apr 97 | 12:40 | 25.377 | 86.005 | <i>Stenella attenuata</i> | 33 | ON |
| Oregon II | 225 | 20 Apr 97 | 12:59 | 25.429 | 85.999 | <i>Mesoplodon sp.</i> | 1 | ON |
| Oregon II | 225 | 20 Apr 97 | 14:36 | 25.484 | 85.988 | <i>Pseudorca crassidens</i> | 65 | ON |
| Oregon II | 225 | 20 Apr 97 | 16:42 | 25.509 | 86.156 | <i>Grampus griseus</i> | 10 | ON |
| Oregon II | 225 | 20 Apr 97 | 17:42 | 25.527 | 86.298 | Unidentified dolphin | 1 | ON |
| Oregon II | 225 | 20 Apr 97 | 17:42 | 25.527 | 86.298 | <i>Grampus griseus</i> | 3 | ON |
| Oregon II | 225 | 21 Apr 97 | 11:19 | 27.663 | 85.980 | <i>Stenella attenuata</i> | 25 | ON |
| Oregon II | 225 | 21 Apr 97 | 16:35 | 28.287 | 85.865 | <i>Stenella longirostris</i> | 100 | ON |

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|-----------|-----|-----------|-------|--------|--------|------------------------------|-----|-----|
| Oregon II | 225 | 21 Apr 97 | 16:57 | 28.319 | 85.884 | Unidentified dolphin | 1 | ON |
| Oregon II | 225 | 21 Apr 97 | 17:42 | 28.401 | 85.927 | <i>Stenella longirostris</i> | 110 | ON |
| Oregon II | 225 | 21 Apr 97 | 18:38 | 28.501 | 86.004 | <i>Stenella sp.</i> | 4 | ON |
| Oregon II | 225 | 22 Apr 97 | 07:48 | 28.346 | 86.990 | <i>Stenella attenuata</i> | 35 | ON |
| Oregon II | 225 | 22 Apr 97 | 08:45 | 28.319 | 86.997 | <i>Steno bredanensis</i> | 6 | ON |
| Oregon II | 225 | 22 Apr 97 | 09:40 | 28.233 | 87.012 | <i>Stenella attenuata</i> | 17 | ON |
| Oregon II | 225 | 22 Apr 97 | 09:40 | 28.233 | 87.012 | <i>Peponocephala/Feresa</i> | 6 | ON |
| Oregon II | 225 | 22 Apr 97 | 11:05 | 28.046 | 87.002 | <i>Ziphiidae fm.</i> | 1 | ON |
| Oregon II | 225 | 22 Apr 97 | 12:45 | 27.952 | 87.003 | <i>Stenella attenuata</i> | 20 | ON |
| Oregon II | 225 | 24 Apr 97 | 08:46 | 28.963 | 88.001 | <i>Stenella attenuata</i> | 32 | ON |
| Oregon II | 225 | 24 Apr 97 | 15:42 | 29.255 | 88.250 | <i>Tursiops truncatus</i> | 7 | ON |
| Oregon II | 225 | 24 Apr 97 | 16:34 | 29.182 | 88.305 | <i>Stenella frontalis</i> | 17 | ON |
| Oregon II | 225 | 24 Apr 97 | 17:14 | 29.171 | 88.335 | <i>Tursiops truncatus</i> | 85 | ON |
| Oregon II | 225 | 29 Apr 97 | 06:42 | 26.009 | 93.094 | Unidentified dolphin | 1 | ON |
| Oregon II | 225 | 29 Apr 97 | 07:56 | 26.015 | 93.297 | <i>Stenella attenuata</i> | 50 | ON |
| Oregon II | 225 | 29 Apr 97 | 17:08 | 26.389 | 94.001 | Unidentified small whale | 1 | ON |
| Oregon II | 225 | 30 Apr 97 | 09:35 | 28.004 | 94.893 | <i>Stenella frontalis</i> | 19 | ON |
| Oregon II | 225 | 30 Apr 97 | 15:46 | 27.448 | 95.001 | <i>Stenella attenuata</i> | 17 | OFF |
| Oregon II | 225 | 30 Apr 97 | 18:34 | 27.031 | 95.010 | <i>Stenella attenuata</i> | 200 | ON |
| Oregon II | 225 | 01 May 97 | 17:24 | 27.160 | 95.992 | <i>Ziphiidae fm.</i> | 1 | ON |
| Oregon II | 225 | 03 May 97 | 07:28 | 27.668 | 91.958 | <i>Grampus griseus</i> | 22 | ON |
| Oregon II | 225 | 03 May 97 | 08:32 | 27.510 | 92.004 | <i>Stenella attenuata</i> | 55 | ON |
| Oregon II | 225 | 03 May 97 | 10:08 | 27.445 | 91.866 | <i>Stenella attenuata</i> | 250 | ON |
| Oregon II | 225 | 03 May 97 | 10:31 | 27.447 | 91.825 | <i>Stenella attenuata</i> | 13 | ON |
| Oregon II | 225 | 03 May 97 | 11:53 | 27.459 | 91.708 | <i>Peponocephala electra</i> | 39 | ON |
| Oregon II | 225 | 03 May 97 | 13:19 | 27.396 | 91.498 | <i>Grampus griseus</i> | 7 | ON |
| Oregon II | 225 | 03 May 97 | 14:43 | 27.373 | 91.314 | <i>Stenella attenuata</i> | 300 | ON |

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|-----------|-----|-----------|-------|--------|--------|--|----|-----|
| Oregon II | 225 | 04 May 97 | 06:51 | 27.060 | 89.006 | <i>Stenella attenuata</i> | 14 | ON |
| Oregon II | 225 | 04 May 97 | 19:07 | 28.457 | 88.961 | <i>Physeter macrocephalus</i> | 6 | ON |
| Oregon II | 225 | 05 May 97 | 06:55 | 28.548 | 89.437 | <i>Tursiops truncatus/Stenella frontalis</i> | 1 | ON |
| Oregon II | 225 | 05 May 97 | 17:53 | 28.847 | 88.534 | Unidentified odontocete | 1 | ON |
| Oregon II | 225 | 05 May 97 | 19:32 | 29.080 | 88.526 | <i>Stenella attenuata</i> | 37 | ON |
| Oregon II | 225 | 09 May 97 | 06:35 | 29.277 | 86.510 | <i>Tursiops truncatus</i> | 24 | ON |
| Oregon II | 225 | 09 May 97 | 08:02 | 29.039 | 86.484 | <i>Stenella longirostris</i> | 40 | ON |
| Oregon II | 225 | 09 May 97 | 09:27 | 29.006 | 86.510 | <i>Stenella longirostris</i> | 80 | ON |
| Oregon II | 225 | 09 May 97 | 10:15 | 29.047 | 86.411 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 225 | 09 May 97 | 10:16 | 29.048 | 86.407 | <i>Grampus griseus</i> | 7 | OFF |
| Oregon II | 225 | 09 May 97 | 11:15 | 29.107 | 86.260 | <i>Tursiops truncatus</i> | 17 | ON |
| Oregon II | 225 | 09 May 97 | 11:47 | 29.142 | 86.182 | <i>Tursiops truncatus</i> | 13 | ON |
| Oregon II | 225 | 09 May 97 | 12:39 | 29.167 | 86.112 | <i>Balaenoptera edeni</i> | 2 | ON |
| Oregon II | 225 | 09 May 97 | 12:41 | 29.166 | 86.109 | Unidentified dolphin | 2 | OFF |
| Oregon II | 225 | 09 May 97 | 16:01 | 29.130 | 85.934 | <i>Tursiops truncatus</i> | 1 | ON |
| Oregon II | 225 | 09 May 97 | 16:26 | 29.111 | 85.906 | <i>Tursiops truncatus</i> | 3 | ON |
| Oregon II | 225 | 09 May 97 | 17:56 | 28.925 | 85.720 | <i>Tursiops truncatus</i> | 3 | ON |
| Oregon II | 225 | 09 May 97 | 18:39 | 28.816 | 85.675 | <i>Tursiops truncatus</i> | 9 | ON |
| Oregon II | 225 | 09 May 97 | 18:47 | 28.799 | 85.667 | <i>Tursiops truncatus</i> | 5 | OFF |
| Oregon II | 225 | 10 May 97 | 07:01 | 27.466 | 85.975 | <i>Stenella attenuata</i> | 12 | ON |
| Oregon II | 225 | 10 May 97 | 07:53 | 27.372 | 85.952 | <i>Stenella attenuata</i> | 35 | ON |
| Oregon II | 225 | 10 May 97 | 08:07 | 27.346 | 85.983 | Unidentified dolphin | 3 | ON |
| Oregon II | 225 | 10 May 97 | 08:38 | 27.276 | 85.952 | Unidentified dolphin | 4 | ON |
| Oregon II | 225 | 10 May 97 | 08:53 | 27.268 | 85.983 | <i>Stenella attenuata</i> | 32 | ON |
| Oregon II | 225 | 10 May 97 | 09:56 | 27.118 | 86.003 | <i>Stenella attenuata</i> | 80 | ON |
| Oregon II | 225 | 10 May 97 | 10:08 | 27.085 | 86.010 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 225 | 10 May 97 | 10:49 | 27.007 | 85.994 | <i>Stenella attenuata</i> | 15 | ON |

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|-----------|-----|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Oregon II | 225 | 11 May 97 | 15:40 | 26.225 | 86.991 | <i>Steno bredanensis</i> | 30 | ON |
| Oregon II | 225 | 11 May 97 | 16:55 | 26.410 | 86.981 | <i>Stenella attenuata</i> | 30 | ON |
| Oregon II | 225 | 12 May 97 | 12:06 | 28.979 | 86.981 | <i>Grampus griseus</i> | 2 | ON |
| Oregon II | 225 | 12 May 97 | 14:12 | 29.063 | 87.116 | <i>Physeter macrocephalus</i> | 3 | ON |
| Oregon II | 225 | 12 May 97 | 15:52 | 29.198 | 87.292 | <i>Stenella attenuata</i> | 200 | ON |
| Oregon II | 225 | 12 May 97 | 16:51 | 29.179 | 87.390 | <i>Stenella attenuata</i> | 120 | ON |
| Oregon II | 225 | 12 May 97 | 17:48 | 29.256 | 87.506 | <i>Stenella coeruleoalba</i> | 90 | ON |
| Oregon II | 225 | 12 May 97 | 18:40 | 29.305 | 87.564 | <i>Tursiops truncatus</i> | 27 | ON |
| Oregon II | 225 | 12 May 97 | 19:10 | 29.324 | 87.649 | <i>Stenella longirostris</i> | 15 | ON |
| Oregon II | 225 | 12 May 97 | 19:43 | 29.312 | 87.736 | <i>Tursiops truncatus</i> | 40 | ON |
| Oregon II | 225 | 13 May 97 | 06:46 | 28.793 | 88.009 | <i>Stenella attenuata</i> | 28 | ON |
| Oregon II | 225 | 13 May 97 | 07:54 | 28.626 | 88.002 | <i>Stenella longirostris</i> | 70 | ON |
| Oregon II | 225 | 13 May 97 | 14:55 | 27.815 | 88.000 | <i>Stenella attenuata</i> | 17 | ON |
| Oregon II | 225 | 13 May 97 | 16:31 | 27.556 | 88.010 | <i>Stenella attenuata</i> | 25 | ON |
| Oregon II | 225 | 13 May 97 | 16:55 | 27.491 | 88.031 | <i>Stenella attenuata</i> | 12 | OFF |
| Oregon II | 225 | 13 May 97 | 16:57 | 27.489 | 88.029 | Unidentified dolphin | 1 | ON |
| Oregon II | 225 | 13 May 97 | 18:00 | 27.462 | 88.007 | <i>Stenella attenuata</i> | 7 | ON |
| Oregon II | 225 | 13 May 97 | 18:23 | 27.420 | 87.973 | <i>Stenella attenuata</i> | 19 | ON |
| Oregon II | 225 | 13 May 97 | 19:07 | 27.312 | 87.987 | <i>Stenella attenuata</i> | 35 | ON |
| Oregon II | 225 | 14 May 97 | 06:42 | 26.045 | 88.112 | <i>Stenella attenuata</i> | 35 | ON |
| Oregon II | 225 | 14 May 97 | 07:12 | 26.050 | 88.198 | Unidentified dolphin | 14 | ON |
| Oregon II | 225 | 14 May 97 | 07:38 | 26.026 | 88.270 | <i>Stenella attenuata</i> | 19 | ON |
| Oregon II | 225 | 14 May 97 | 07:42 | 26.025 | 88.282 | <i>Kogia sp.</i> | 2 | ON |
| Oregon II | 225 | 14 May 97 | 07:52 | 26.018 | 88.307 | <i>Kogia sp.</i> | 1 | OFF |
| Oregon II | 225 | 14 May 97 | 08:03 | 25.996 | 88.327 | <i>Stenella attenuata</i> | 19 | ON |
| Oregon II | 225 | 14 May 97 | 08:31 | 26.028 | 88.402 | <i>Stenella attenuata</i> | 19 | ON |
| Oregon II | 225 | 14 May 97 | 09:06 | 25.981 | 88.461 | <i>Ziphius cavirostris</i> | 4 | ON |

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|-----------|-----|-----------|-------|--------|--------|-------------------------------|----|-----|
| Oregon II | 225 | 14 May 97 | 10:59 | 26.001 | 88.606 | <i>Kogia sp.</i> | 6 | ON |
| Oregon II | 225 | 14 May 97 | 11:27 | 26.008 | 88.680 | Unidentified odontocete | 1 | ON |
| Oregon II | 225 | 14 May 97 | 11:29 | 26.009 | 88.684 | Unidentified dolphin | 15 | OFF |
| Oregon II | 225 | 14 May 97 | 11:56 | 26.007 | 88.764 | Unidentified dolphin | 30 | ON |
| Oregon II | 225 | 14 May 97 | 12:46 | 26.020 | 88.858 | <i>Stenella attenuata</i> | 70 | ON |
| Oregon II | 225 | 14 May 97 | 14:03 | 26.039 | 89.043 | <i>Stenella attenuata</i> | 60 | OFF |
| Oregon II | 225 | 14 May 97 | 14:13 | 26.023 | 89.025 | <i>Kogia sp.</i> | 2 | OFF |
| Oregon II | 225 | 14 May 97 | 15:48 | 26.077 | 89.012 | <i>Stenella attenuata</i> | 35 | ON |
| Oregon II | 225 | 14 May 97 | 17:02 | 26.184 | 89.026 | <i>Stenella coeruleoalba</i> | 95 | ON |
| Oregon II | 225 | 14 May 97 | 17:09 | 26.197 | 89.029 | Unidentified dolphin | 20 | OFF |
| Oregon II | 225 | 14 May 97 | 18:39 | 26.435 | 88.986 | <i>Physeter macrocephalus</i> | 6 | OFF |
| Oregon II | 225 | 14 May 97 | 18:52 | 26.448 | 88.975 | <i>Orcinus orca</i> | 1 | ON |
| Oregon II | 225 | 15 May 97 | 06:52 | 27.960 | 89.019 | <i>Physeter macrocephalus</i> | 5 | ON |
| Oregon II | 225 | 15 May 97 | 07:11 | 27.986 | 88.974 | <i>Stenella attenuata</i> | 65 | ON |
| Oregon II | 225 | 15 May 97 | 08:56 | 28.057 | 88.937 | <i>Kogia sp.</i> | 2 | ON |
| Oregon II | 225 | 15 May 97 | 09:23 | 28.104 | 88.934 | <i>Kogia sp.</i> | 2 | ON |
| Oregon II | 225 | 15 May 97 | 09:46 | 28.163 | 88.928 | Unidentified odontocete | 1 | ON |
| Oregon II | 225 | 15 May 97 | 10:30 | 28.257 | 88.995 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 225 | 15 May 97 | 11:04 | 28.343 | 88.990 | <i>Physeter macrocephalus</i> | 2 | ON |
| Oregon II | 225 | 15 May 97 | 11:19 | 28.372 | 88.956 | <i>Stenella attenuata</i> | 55 | ON |
| Oregon II | 225 | 15 May 97 | 11:44 | 28.438 | 88.953 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 225 | 15 May 97 | 12:05 | 28.481 | 88.984 | <i>Kogia sp.</i> | 3 | ON |
| Oregon II | 225 | 15 May 97 | 12:11 | 28.492 | 88.994 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 225 | 15 May 97 | 13:23 | 28.456 | 89.047 | <i>Kogia sp.</i> | 4 | ON |
| Oregon II | 225 | 15 May 97 | 13:31 | 28.440 | 89.062 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 225 | 15 May 97 | 13:34 | 28.434 | 89.067 | <i>Physeter macrocephalus</i> | 4 | ON |
| Oregon II | 225 | 15 May 97 | 14:39 | 28.321 | 89.094 | <i>Peponocephala electra</i> | 85 | ON |

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|-----------|-----|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Oregon II | 225 | 15 May 97 | 15:07 | 28.303 | 89.166 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 225 | 15 May 97 | 15:25 | 28.265 | 89.188 | Unidentified odontocete | 2 | ON |
| Oregon II | 225 | 15 May 97 | 16:22 | 28.278 | 89.336 | <i>Stenella attenuata</i> | 42 | ON |
| Oregon II | 225 | 15 May 97 | 16:52 | 28.202 | 89.329 | <i>Kogia sp.</i> | 3 | ON |
| Oregon II | 225 | 15 May 97 | 17:19 | 28.146 | 89.377 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 225 | 15 May 97 | 17:44 | 28.098 | 89.376 | <i>Stenella coeruleoalba</i> | 58 | ON |
| Oregon II | 225 | 15 May 97 | 18:24 | 28.028 | 89.399 | <i>Grampus griseus</i> | 25 | ON |
| Oregon II | 225 | 15 May 97 | 18:28 | 28.027 | 89.412 | Unidentified dolphin | 10 | OFF |
| Oregon II | 225 | 15 May 97 | 19:13 | 28.015 | 89.529 | <i>Stenella attenuata</i> | 53 | ON |
| Oregon II | 225 | 16 May 97 | 08:55 | 26.920 | 90.027 | Unidentified dolphin | 1 | ON |
| Oregon II | 225 | 16 May 97 | 12:32 | 26.413 | 89.995 | <i>Stenella attenuata</i> | 30 | ON |
| Oregon II | 225 | 17 May 97 | 14:02 | 27.420 | 91.025 | <i>Stenella attenuata</i> | 100 | ON |
| Oregon II | 225 | 19 May 97 | 13:06 | 28.908 | 95.058 | <i>Tursiops truncatus</i> | 5 | ON |
| Oregon II | 225 | 19 May 97 | 14:35 | 28.675 | 95.288 | <i>Tursiops truncatus</i> | 20 | ON |
| Oregon II | 225 | 19 May 97 | 17:39 | 28.217 | 95.765 | <i>Tursiops truncatus</i> | 9 | ON |
| Oregon II | 225 | 19 May 97 | 17:52 | 28.186 | 95.806 | <i>Tursiops truncatus</i> | 6 | ON |
| Oregon II | 225 | 20 May 97 | 07:01 | 26.269 | 96.002 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 225 | 20 May 97 | 07:28 | 26.198 | 96.001 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 225 | 20 May 97 | 14:53 | 26.020 | 95.248 | Unidentified dolphin | 12 | ON |
| Oregon II | 225 | 20 May 97 | 15:33 | 26.041 | 95.161 | <i>Stenella clymene</i> | 70 | ON |
| Oregon II | 225 | 20 May 97 | 16:22 | 26.043 | 95.037 | <i>Stenella attenuata</i> | 87 | ON |
| Oregon II | 225 | 21 May 97 | 09:40 | 27.896 | 94.997 | <i>Stenella frontalis</i> | 14 | ON |
| Oregon II | 225 | 21 May 97 | 13:12 | 27.981 | 94.593 | <i>Tursiops truncatus</i> | 2 | ON |
| Oregon II | 225 | 21 May 97 | 13:41 | 27.985 | 94.526 | <i>Tursiops truncatus</i> | 4 | ON |
| Oregon II | 225 | 21 May 97 | 13:54 | 28.005 | 94.519 | <i>Tursiops truncatus</i> | 4 | ON |
| Oregon II | 225 | 21 May 97 | 15:07 | 28.001 | 94.372 | <i>Tursiops truncatus</i> | 5 | OFF |
| Oregon II | 225 | 23 May 97 | 07:03 | 26.510 | 92.219 | <i>Peponocephala electra</i> | 3 | ON |

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|-----------|-----|-----------|-------|--------|--------|--|-----|----|
| Oregon II | 225 | 23 May 97 | 10:15 | 26.499 | 92.734 | <i>Peponocephala electra</i> | 10 | ON |
| Oregon II | 225 | 23 May 97 | 14:10 | 26.655 | 93.002 | <i>Stenella attenuata</i> | 150 | ON |
| Oregon II | 225 | 23 May 97 | 15:50 | 26.887 | 92.997 | <i>Mesoplodon sp.</i> | 1 | ON |
| Oregon II | 225 | 23 May 97 | 19:03 | 27.084 | 93.011 | <i>Mesoplodon densirostris</i> | 1 | ON |
| Oregon II | 225 | 23 May 97 | 19:24 | 27.116 | 92.999 | <i>Stenella attenuata</i> | 6 | ON |
| Oregon II | 225 | 24 May 97 | 10:05 | 27.501 | 92.003 | Unidentified dolphin | 4 | ON |
| Oregon II | 225 | 24 May 97 | 16:36 | 27.580 | 90.816 | Unidentified dolphin | 3 | ON |
| Oregon II | 225 | 25 May 97 | 08:36 | 28.111 | 89.841 | <i>Stenella attenuata</i> | 25 | ON |
| Oregon II | 225 | 25 May 97 | 10:08 | 28.273 | 89.635 | <i>Physeter macrocephalus</i> | 1 | ON |
| Oregon II | 225 | 25 May 97 | 10:35 | 28.310 | 89.591 | <i>Stenella clymene</i> | 20 | ON |
| Oregon II | 225 | 25 May 97 | 11:55 | 28.434 | 89.405 | <i>Grampus griseus</i> | 4 | ON |
| Oregon II | 225 | 25 May 97 | 12:42 | 28.500 | 89.335 | <i>Grampus griseus</i> | 2 | ON |
| Oregon II | 225 | 25 May 97 | 13:29 | 28.572 | 89.221 | Unidentified dolphin | 2 | ON |
| Oregon II | 225 | 25 May 97 | 16:00 | 28.773 | 88.928 | <i>Grampus griseus</i> | 25 | ON |
| Oregon II | 225 | 25 May 97 | 16:17 | 28.776 | 88.906 | <i>Grampus griseus</i> | 3 | ON |
| Oregon II | 225 | 25 May 97 | 16:54 | 28.785 | 88.843 | Unidentified dolphin | 2 | ON |
| Oregon II | 225 | 25 May 97 | 18:49 | 28.745 | 88.595 | <i>Stenella attenuata</i> | 160 | ON |
| Oregon II | 225 | 25 May 97 | 19:22 | 28.751 | 88.511 | <i>Grampus griseus</i> | 11 | ON |
| Oregon II | 225 | 25 May 97 | 19:34 | 28.771 | 88.504 | Unidentified dolphin | 3 | ON |
| Oregon II | 225 | 30 May 97 | 12:18 | 28.033 | 85.002 | <i>Tursiops truncatus</i> | 30 | ON |
| Oregon II | 225 | 30 May 97 | 12:51 | 28.111 | 84.993 | Unidentified dolphin | 3 | ON |
| Oregon II | 225 | 30 May 97 | 14:34 | 28.318 | 84.909 | <i>Stenella frontalis</i> | 38 | ON |
| Oregon II | 225 | 30 May 97 | 14:56 | 28.374 | 84.891 | <i>Tursiops truncatus/Stenella frontalis</i> | 4 | ON |
| Oregon II | 225 | 30 May 97 | 16:31 | 28.399 | 84.777 | <i>Stenella frontalis</i> | 5 | ON |
| Oregon II | 225 | 30 May 97 | 16:58 | 28.439 | 84.718 | <i>Tursiops truncatus</i> | 2 | ON |
| Oregon II | 225 | 30 May 97 | 17:44 | 28.469 | 84.583 | <i>Stenella frontalis</i> | 11 | ON |
| Oregon II | 225 | 30 May 97 | 17:58 | 28.494 | 84.552 | <i>Stenella frontalis</i> | 3 | ON |

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|-----------|-----|-----------|-------|--------|--------|--|-----|-----|
| Oregon II | 225 | 30 May 97 | 18:30 | 28.546 | 84.513 | <i>Tursiops truncatus/Stenella frontalis</i> | 2 | ON |
| Oregon II | 225 | 30 May 97 | 19:14 | 28.567 | 84.472 | <i>Tursiops truncatus</i> | 1 | ON |
| Oregon II | 225 | 31 May 97 | 06:01 | 28.532 | 84.960 | <i>Stenella frontalis</i> | 14 | OFF |
| Oregon II | 225 | 31 May 97 | 06:19 | 28.488 | 84.990 | <i>Stenella frontalis</i> | 10 | ON |
| Oregon II | 225 | 31 May 97 | 06:31 | 28.473 | 85.023 | Unidentified dolphin | 5 | ON |
| Oregon II | 225 | 31 May 97 | 06:34 | 28.470 | 85.029 | <i>Stenella frontalis</i> | 1 | ON |
| Oregon II | 225 | 31 May 97 | 06:48 | 28.441 | 85.053 | <i>Tursiops truncatus/Stenella frontalis</i> | 3 | ON |
| Oregon II | 225 | 31 May 97 | 06:51 | 28.434 | 85.057 | <i>Tursiops truncatus/Stenella frontalis</i> | 25 | ON |
| Oregon II | 225 | 31 May 97 | 06:58 | 28.417 | 85.070 | <i>Stenella frontalis</i> | 7 | ON |
| Oregon II | 225 | 31 May 97 | 08:13 | 28.227 | 85.130 | Unidentified dolphin | 1 | ON |
| Oregon II | 225 | 31 May 97 | 09:03 | 28.110 | 85.193 | Unidentified dolphin | 1 | ON |
| Oregon II | 225 | 31 May 97 | 09:44 | 28.078 | 85.229 | <i>Stenella longirostris</i> | 130 | ON |
| Oregon II | 225 | 31 May 97 | 12:14 | 27.882 | 85.344 | Unidentified dolphin | 4 | ON |
| Oregon II | 225 | 31 May 97 | 15:22 | 27.501 | 85.610 | <i>Stenella attenuata</i> | 115 | ON |
| Oregon II | 225 | 31 May 97 | 16:09 | 27.403 | 85.603 | <i>Stenella attenuata</i> | 8 | ON |
| Oregon II | 225 | 01 Jun 97 | 06:32 | 27.702 | 85.582 | <i>Stenella attenuata</i> | 10 | ON |
| Oregon II | 225 | 01 Jun 97 | 06:35 | 27.708 | 85.582 | Unidentified small whale | 1 | OFF |
| Oregon II | 225 | 01 Jun 97 | 07:27 | 27.836 | 85.597 | <i>Stenella attenuata</i> | 37 | ON |
| Oregon II | 225 | 01 Jun 97 | 10:45 | 28.341 | 85.585 | Unidentified dolphin | 2 | ON |
| Oregon II | 225 | 01 Jun 97 | 11:57 | 28.436 | 85.571 | <i>Tursiops truncatus</i> | 3 | ON |
| Oregon II | 225 | 01 Jun 97 | 12:05 | 28.458 | 85.568 | <i>Tursiops truncatus</i> | 3 | ON |
| Oregon II | 225 | 01 Jun 97 | 12:40 | 28.550 | 85.560 | <i>Tursiops truncatus</i> | 4 | ON |
| Oregon II | 225 | 01 Jun 97 | 17:54 | 29.080 | 85.645 | <i>Stenella frontalis</i> | 30 | ON |
| Oregon II | 225 | 02 Jun 97 | 09:33 | 28.406 | 85.938 | Unidentified odontocete | 1 | ON |
| Oregon II | 225 | 02 Jun 97 | 10:20 | 28.342 | 85.961 | <i>Grampus griseus</i> | 3 | ON |
| Oregon II | 225 | 02 Jun 97 | 12:18 | 28.089 | 86.071 | <i>Physeter macrocephalus</i> | 2 | ON |
| Oregon II | 225 | 02 Jun 97 | 14:08 | 28.059 | 86.122 | <i>Steno bredanensis</i> | 2 | ON |

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|-----------|-----|-----------|-------|--------|--------|--|-----|----|
| Oregon II | 225 | 02 Jun 97 | 14:08 | 28.059 | 86.122 | <i>Pseudorca crassidens</i> | 35 | ON |
| Oregon II | 225 | 02 Jun 97 | 18:13 | 28.073 | 86.255 | <i>Pseudorca crassidens</i> | 22 | ON |
| Oregon II | 225 | 03 Jun 97 | 06:21 | 28.300 | 86.162 | <i>Stenella sp.</i> | 3 | ON |
| Oregon II | 225 | 03 Jun 97 | 13:43 | 29.207 | 86.244 | <i>Lagenodelphis hosei</i> | 117 | ON |
| Oregon II | 225 | 03 Jun 97 | 14:15 | 29.285 | 86.216 | Unidentified large whale | 1 | ON |
| Oregon II | 225 | 03 Jun 97 | 19:12 | 29.657 | 86.275 | <i>Stenella frontalis</i> | 30 | ON |
| Oregon II | 225 | 04 Jun 97 | 08:13 | 30.000 | 86.295 | <i>Tursiops truncatus</i> | 15 | ON |
| Oregon II | 225 | 04 Jun 97 | 08:51 | 30.093 | 86.290 | <i>Tursiops truncatus</i> | 16 | ON |
| Oregon II | 225 | 04 Jun 97 | 09:16 | 30.139 | 86.292 | <i>Tursiops truncatus</i> | 3 | ON |
| Oregon II | 225 | 04 Jun 97 | 10:09 | 30.222 | 86.379 | <i>Tursiops truncatus/Stenella frontalis</i> | 1 | ON |
| Oregon II | 225 | 04 Jun 97 | 10:30 | 30.236 | 86.411 | <i>Tursiops truncatus</i> | 15 | ON |
| Oregon II | 225 | 04 Jun 97 | 10:33 | 30.236 | 86.417 | <i>Tursiops truncatus/Stenella frontalis</i> | 20 | ON |
| Oregon II | 225 | 04 Jun 97 | 11:09 | 30.221 | 86.511 | <i>Stenella frontalis</i> | 8 | ON |
| Oregon II | 225 | 04 Jun 97 | 11:12 | 30.212 | 86.511 | <i>Tursiops truncatus/Stenella frontalis</i> | 3 | ON |
| Oregon II | 225 | 04 Jun 97 | 11:21 | 30.194 | 86.521 | <i>Tursiops truncatus</i> | 9 | ON |
| Oregon II | 225 | 04 Jun 97 | 11:23 | 30.189 | 86.524 | <i>Tursiops truncatus</i> | 5 | ON |
| Oregon II | 225 | 04 Jun 97 | 11:30 | 30.171 | 86.525 | <i>Tursiops truncatus/Stenella frontalis</i> | 6 | ON |
| Oregon II | 225 | 04 Jun 97 | 11:47 | 30.127 | 86.528 | <i>Tursiops truncatus</i> | 2 | ON |
| Oregon II | 225 | 04 Jun 97 | 11:56 | 30.104 | 86.528 | <i>Tursiops truncatus</i> | 5 | ON |
| Oregon II | 225 | 04 Jun 97 | 11:57 | 30.102 | 86.528 | <i>Tursiops truncatus/Stenella frontalis</i> | 3 | ON |
| Oregon II | 225 | 04 Jun 97 | 16:12 | 29.656 | 86.534 | <i>Stenella frontalis</i> | 23 | ON |
| Oregon II | 225 | 04 Jun 97 | 17:32 | 29.498 | 86.551 | <i>Stenella frontalis</i> | 25 | ON |
| Oregon II | 225 | 04 Jun 97 | 18:11 | 29.481 | 86.591 | <i>Grampus griseus</i> | 7 | ON |
| Oregon II | 225 | 04 Jun 97 | 19:25 | 29.310 | 86.617 | <i>Tursiops truncatus</i> | 6 | ON |
| Oregon II | 225 | 05 Jun 97 | 13:11 | 28.290 | 86.676 | <i>Tursiops truncatus</i> | 1 | ON |
| Oregon II | 225 | 05 Jun 97 | 14:47 | 28.143 | 86.736 | <i>Kogia sp.</i> | 1 | ON |
| Oregon II | 225 | 06 Jun 97 | 13:43 | 29.408 | 86.881 | <i>Stenella longirostris</i> | 485 | ON |

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|-----------|-----------|-----------|-------|--------|--------|--|----|-----|
| Oregon II | 225 | 06 Jun 97 | 16:43 | 29.784 | 87.003 | <i>Tursiops truncatus</i> | 12 | ON |
| Oregon II | 225 | 06 Jun 97 | 17:30 | 29.899 | 87.019 | <i>Tursiops truncatus</i> | 5 | ON |
| Oregon II | 225 | 06 Jun 97 | 18:44 | 30.008 | 87.014 | <i>Tursiops truncatus/Stenella frontalis</i> | 2 | ON |
| Oregon II | 225 | 06 Jun 97 | 18:57 | 30.042 | 87.014 | <i>Tursiops truncatus/Stenella frontalis</i> | 3 | ON |
| Oregon II | 225 | 06 Jun 97 | 19:07 | 30.065 | 86.998 | <i>Stenella frontalis</i> | 8 | ON |
| Oregon II | 225 | 06 Jun 97 | 19:48 | 30.108 | 87.007 | <i>Stenella frontalis</i> | 17 | ON |
| Oregon II | 225 | 07 Jun 97 | 06:12 | 30.110 | 87.254 | <i>Tursiops truncatus</i> | 7 | ON |
| Oregon II | 225 | 07 Jun 97 | 06:22 | 30.082 | 87.252 | <i>Stenella frontalis</i> | 11 | ON |
| Oregon II | 225 | 07 Jun 97 | 07:22 | 29.964 | 87.271 | <i>Stenella frontalis</i> | 29 | ON |
| Oregon II | 225 | 07 Jun 97 | 08:06 | 29.914 | 87.329 | <i>Stenella frontalis</i> | 42 | ON |
| Oregon II | 225 | 07 Jun 97 | 09:00 | 29.777 | 87.325 | <i>Stenella frontalis</i> | 3 | ON |
| Oregon II | 225 | 07 Jun 97 | 11:17 | 29.514 | 87.310 | <i>Tursiops truncatus</i> | 3 | ON |
| Oregon II | 225 | 07 Jun 97 | 18:40 | 28.553 | 87.382 | Unidentified dolphin | 1 | ON |
| Oregon II | 225 | 08 Jun 97 | 09:21 | 28.785 | 87.638 | <i>Stenella attenuata</i> | 35 | ON |
| Oregon II | 225 | 08 Jun 97 | 12:26 | 29.167 | 87.655 | <i>Stenella attenuata</i> | 55 | ON |
| Oregon II | 225 | 08 Jun 97 | 12:57 | 29.252 | 87.663 | Unidentified odontocete | 2 | ON |
| Oregon II | 225 | 08 Jun 97 | 13:44 | 29.377 | 87.679 | <i>Tursiops truncatus</i> | 10 | ON |
| Oregon II | 225 | 09 Jun 97 | 11:07 | 28.927 | 88.089 | <i>Stenella attenuata</i> | 43 | ON |
| Oregon II | 225 | 09 Jun 97 | 13:33 | 28.875 | 88.493 | <i>Stenella attenuata</i> | 40 | ON |
| Oregon II | 225 | 09 Jun 97 | 16:20 | 28.738 | 88.964 | <i>Grampus griseus</i> | 3 | ON |
| Oregon II | 225 | 09 Jun 97 | 16:45 | 28.715 | 89.019 | Unidentified small whale | 3 | ON |
| Oregon II | 225 | 09 Jun 97 | 17:36 | 28.677 | 89.162 | <i>Tursiops truncatus</i> | 38 | ON |
| Aerial | Summer 97 | 15 Jul 97 | 10:38 | 28.889 | 87.807 | Unidentified odontocete | 1 | ON |
| Aerial | Summer 97 | 15 Jul 97 | 11:21 | 29.275 | 87.531 | <i>Stenella attenuata</i> | 60 | ON |
| Aerial | Summer 97 | 15 Jul 97 | 11:50 | 28.480 | 87.554 | <i>Stenella attenuata</i> | 14 | OFF |
| Aerial | Summer 97 | 15 Jul 97 | 12:25 | 29.202 | 87.398 | <i>Stenella attenuata</i> | 95 | ON |
| Aerial | Summer 97 | 15 Jul 97 | 13:12 | 29.792 | 87.383 | <i>Tursiops truncatus</i> | 28 | ON |

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|--------|-----------|-----------|-------|--------|--------|--|----|-----|
| Aerial | Summer 97 | 15 Jul 97 | 13:19 | 29.896 | 87.385 | <i>Tursiops truncatus/Stenella frontalis</i> | 4 | ON |
| Aerial | Summer 97 | 15 Jul 97 | 13:31 | 29.976 | 87.384 | <i>Tursiops truncatus/Stenella frontalis</i> | 6 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 09:13 | 29.940 | 88.083 | <i>Tursiops truncatus</i> | 5 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 09:19 | 29.817 | 88.086 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 09:45 | 29.428 | 87.958 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 10:40 | 29.583 | 87.805 | <i>Tursiops truncatus/Stenella frontalis</i> | 6 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 11:07 | 29.768 | 87.648 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 11:17 | 30.023 | 87.649 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 11:38 | 30.017 | 87.522 | <i>Tursiops truncatus</i> | 90 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 11:54 | 29.699 | 87.517 | <i>Tursiops truncatus</i> | 6 | OFF |
| Aerial | Summer 97 | 16 Jul 97 | 12:04 | 29.621 | 87.516 | <i>Tursiops truncatus</i> | 65 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 12:26 | 29.742 | 87.382 | <i>Tursiops truncatus</i> | 6 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 13:16 | 30.186 | 87.088 | <i>Tursiops truncatus/Stenella frontalis</i> | 4 | OFF |
| Aerial | Summer 97 | 16 Jul 97 | 13:26 | 30.189 | 86.955 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 13:35 | 30.120 | 86.956 | <i>Stenella frontalis</i> | 57 | ON |
| Aerial | Summer 97 | 16 Jul 97 | 13:42 | 30.074 | 86.956 | <i>Tursiops truncatus</i> | 30 | ON |
| Aerial | Summer 97 | 17 Jul 97 | 10:01 | 29.280 | 87.258 | <i>Stenella longirostris</i> | 47 | ON |
| Aerial | Summer 97 | 17 Jul 97 | 10:15 | 29.112 | 87.284 | <i>Stenella attenuata</i> | 75 | OFF |
| Aerial | Summer 97 | 17 Jul 97 | 10:27 | 29.004 | 87.306 | <i>Stenella attenuata</i> | 12 | ON |
| Aerial | Summer 97 | 17 Jul 97 | 11:21 | 29.196 | 87.126 | <i>Physeter macrocephalus</i> | 1 | ON |
| Aerial | Summer 97 | 17 Jul 97 | 11:56 | 29.986 | 86.899 | <i>Tursiops truncatus/Stenella frontalis</i> | 1 | ON |
| Aerial | Summer 97 | 17 Jul 97 | 12:20 | 30.118 | 86.664 | <i>Tursiops truncatus/Stenella frontalis</i> | 5 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 09:14 | 29.052 | 87.022 | <i>Kogia sp.</i> | 2 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 09:34 | 28.603 | 87.171 | <i>Kogia sp.</i> | 1 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 09:46 | 28.457 | 87.219 | <i>Stenella attenuata</i> | 23 | OFF |
| Aerial | Summer 97 | 23 Jul 97 | 09:56 | 28.427 | 87.245 | <i>Physeter macrocephalus</i> | 3 | OFF |
| Aerial | Summer 97 | 23 Jul 97 | 10:14 | 28.339 | 87.141 | <i>Kogia sp.</i> | 1 | ON |

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|--------|-----------|-----------|-------|--------|--------|--|-----|-----|
| Aerial | Summer 97 | 23 Jul 97 | 10:18 | 28.364 | 87.130 | <i>Kogia sp.</i> | 6 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 10:22 | 28.419 | 87.111 | <i>Physeter macrocephalus</i> | 1 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 10:29 | 28.464 | 87.090 | <i>Stenella attenuata</i> | 30 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 11:07 | 28.717 | 87.024 | <i>Stenella coeruleoalba</i> | 28 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 11:46 | 29.618 | 86.642 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 12:11 | 29.614 | 86.251 | <i>Tursiops truncatus/Stenella frontalis</i> | 3 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 12:14 | 29.649 | 86.248 | <i>Tursiops truncatus/Stenella frontalis</i> | 1 | OFF |
| Aerial | Summer 97 | 23 Jul 97 | 12:22 | 29.805 | 86.251 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 13:01 | 29.539 | 86.117 | <i>Tursiops truncatus/Stenella frontalis</i> | 3 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 13:15 | 29.414 | 85.981 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 13:23 | 29.576 | 85.984 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Summer 97 | 23 Jul 97 | 13:38 | 29.843 | 85.982 | <i>Tursiops truncatus</i> | 29 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 08:57 | 29.486 | 86.527 | <i>Stenella frontalis</i> | 13 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 09:15 | 29.283 | 86.630 | <i>Tursiops truncatus</i> | 20 | OFF |
| Aerial | Summer 97 | 24 Jul 97 | 10:09 | 28.366 | 86.948 | <i>Stenella attenuata</i> | 6 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 10:38 | 28.680 | 86.770 | <i>Stenella longirostris</i> | 325 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 11:10 | 29.203 | 86.483 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 11:30 | 29.498 | 86.316 | <i>Stenella frontalis</i> | 11 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 11:49 | 29.419 | 86.188 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 12:02 | 29.211 | 86.305 | <i>Tursiops truncatus</i> | 9 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 12:22 | 29.020 | 86.433 | <i>Tursiops truncatus</i> | 12 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 12:31 | 28.948 | 86.471 | <i>Tursiops truncatus/Stenella frontalis</i> | 30 | OFF |
| Aerial | Summer 97 | 24 Jul 97 | 13:08 | 28.241 | 86.881 | <i>Tursiops truncatus</i> | 22 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 13:39 | 28.668 | 86.482 | <i>Tursiops truncatus</i> | 11 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 13:55 | 28.984 | 86.286 | <i>Tursiops truncatus</i> | 7 | ON |
| Aerial | Summer 97 | 24 Jul 97 | 14:04 | 28.998 | 86.200 | <i>Stenella attenuata</i> | 135 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 09:14 | 28.522 | 86.409 | <i>Kogia sp.</i> | 1 | ON |

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|--------|-----------|-----------|-------|--------|--------|---|-----|-----|
| Aerial | Summer 97 | 25 Jul 97 | 09:19 | 28.486 | 86.444 | <i>Tursiops truncatus</i> | 12 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 10:11 | 28.686 | 86.127 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 10:21 | 28.781 | 86.059 | <i>Stenella attenuata</i> | 130 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 10:32 | 29.022 | 85.895 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 10:42 | 29.214 | 85.764 | <i>Tursiops truncatus</i> | 10 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 10:58 | 29.145 | 85.666 | <i>Stenella frontalis</i> | 3 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 11:12 | 28.901 | 85.828 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 11:17 | 28.825 | 85.875 | <i>Tursiops truncatus</i> | 11 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 11:30 | 28.589 | 86.044 | <i>Tursiops truncatus</i> | 7 | OFF |
| Aerial | Summer 97 | 25 Jul 97 | 11:39 | 28.465 | 86.108 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 11:56 | 28.101 | 86.359 | Unidentified odontocete | 1 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 12:34 | 28.353 | 86.012 | <i>Tursiops truncatus</i> | 38 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 13:00 | 28.440 | 85.945 | <i>Stenella attenuata</i> | 225 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 13:07 | 28.551 | 85.896 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Summer 97 | 25 Jul 97 | 13:11 | 28.655 | 85.829 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Summer 97 | 26 Jul 97 | 09:24 | 28.597 | 85.705 | <i>Tursiops truncatus</i> | 9 | ON |
| Aerial | Summer 97 | 26 Jul 97 | 10:51 | 28.615 | 85.301 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Summer 97 | 26 Jul 97 | 11:09 | 28.349 | 85.536 | <i>Tursiops truncatus</i> | 13 | ON |
| Aerial | Summer 97 | 26 Jul 97 | 12:18 | 28.467 | 85.211 | <i>Tursiops truncatus</i> | 8 | ON |
| Aerial | Summer 97 | 26 Jul 97 | 12:23 | 28.529 | 85.151 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Summer 97 | 27 Jul 97 | 09:32 | 27.865 | 85.664 | Unidentified odontocete | 1 | OFF |
| Aerial | Summer 97 | 27 Jul 97 | 10:31 | 27.999 | 85.208 | <i>Stenella attenuata</i> | 50 | OFF |
| Aerial | Summer 97 | 27 Jul 97 | 10:57 | 28.203 | 84.807 | Unidentified dolphin | 1 | OFF |
| Aerial | Summer 97 | 29 Jul 97 | 14:41 | 27.614 | 85.738 | <i>Stenella clymene/ longirostris/coerulealba</i> | 375 | OFF |
| Aerial | Summer 97 | 29 Jul 97 | 15:47 | 27.795 | 85.286 | <i>Pseudorca crassidens</i> | 31 | OFF |
| Aerial | Summer 97 | 29 Jul 97 | 16:04 | 27.925 | 85.184 | <i>Stenella attenuata</i> | 70 | OFF |
| Aerial | Summer 97 | 30 Jul 97 | 08:51 | 26.859 | 84.281 | <i>Stenella frontalis</i> | 9 | OFF |

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|--------|-----------|-----------|-------|--------|--------|------------------------------|-----|-----|
| Aerial | Summer 97 | 30 Jul 97 | 09:02 | 26.848 | 84.339 | <i>Tursiops truncatus</i> | 3 | OFF |
| Aerial | Summer 97 | 30 Jul 97 | 10:33 | 26.628 | 84.162 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Summer 97 | 30 Jul 97 | 10:51 | 26.610 | 84.258 | <i>Stenella frontalis</i> | 19 | ON |
| Aerial | Summer 97 | 31 Jul 97 | 10:01 | 26.539 | 84.640 | <i>Tursiops truncatus</i> | 8 | ON |
| Aerial | Summer 97 | 31 Jul 97 | 10:26 | 26.376 | 84.894 | Unidentified small whale | 3 | ON |
| Aerial | Summer 97 | 31 Jul 97 | 11:39 | 26.245 | 84.828 | <i>Ziphius cavirostris</i> | 3 | ON |
| Aerial | Summer 97 | 31 Jul 97 | 13:55 | 26.988 | 84.769 | <i>Tursiops truncatus</i> | 9 | ON |
| Aerial | Summer 97 | 01 Aug 97 | 10:09 | 27.212 | 84.856 | <i>Stenella attenuata</i> | 75 | ON |
| Aerial | Summer 97 | 01 Aug 97 | 11:46 | 27.310 | 85.032 | <i>Steno bredanensis</i> | 34 | ON |
| Aerial | Summer 97 | 01 Aug 97 | 12:44 | 27.426 | 85.053 | <i>Stenella coeruleoalba</i> | 45 | ON |
| Aerial | Summer 97 | 04 Aug 97 | 09:53 | 26.000 | 84.897 | <i>Stenella attenuata</i> | 70 | ON |
| Aerial | Summer 97 | 04 Aug 97 | 10:22 | 25.926 | 84.598 | <i>Stenella attenuata</i> | 41 | ON |
| Gyre | Summer 97 | 05 Aug 97 | 10:02 | 28.863 | 92.204 | <i>Tursiops truncatus</i> | 20 | OFF |
| Gyre | Summer 97 | 05 Aug 97 | 10:15 | 28.857 | 92.166 | <i>Tursiops truncatus</i> | 20 | OFF |
| Gyre | Summer 97 | 05 Aug 97 | 12:23 | 28.850 | 92.127 | <i>Tursiops truncatus</i> | 7 | OFF |
| Gyre | Summer 97 | 05 Aug 97 | 12:45 | 28.838 | 92.065 | <i>Tursiops truncatus</i> | 6 | OFF |
| Gyre | Summer 97 | 05 Aug 97 | 14:00 | 28.783 | 91.827 | <i>Tursiops truncatus</i> | 7 | OFF |
| Gyre | Summer 97 | 05 Aug 97 | 14:39 | 28.748 | 91.699 | <i>Tursiops truncatus</i> | 1 | OFF |
| Gyre | Summer 97 | 05 Aug 97 | 14:48 | 28.741 | 91.674 | <i>Tursiops truncatus</i> | 12 | OFF |
| Gyre | Summer 97 | 05 Aug 97 | 15:08 | 28.725 | 91.611 | <i>Tursiops truncatus</i> | 9 | OFF |
| Gyre | Summer 97 | 05 Aug 97 | 15:25 | 28.712 | 91.555 | <i>Tursiops truncatus</i> | 5 | OFF |
| Gyre | Summer 97 | 06 Aug 97 | 06:43 | 28.534 | 88.961 | Unidentified dolphin | N/A | ON |
| Gyre | Summer 97 | 06 Aug 97 | 09:47 | 28.171 | 88.854 | <i>Stenella longirostris</i> | 35 | ON |
| Aerial | Summer 97 | 06 Aug 97 | 10:00 | 27.546 | 85.569 | <i>Stenella attenuata</i> | 21 | OFF |
| Aerial | Summer 97 | 06 Aug 97 | 10:06 | 27.467 | 85.610 | <i>Stenella attenuata</i> | 34 | OFF |
| Aerial | Summer 97 | 06 Aug 97 | 10:36 | 27.668 | 85.101 | <i>Stenella attenuata</i> | 67 | ON |
| Gyre | Summer 97 | 06 Aug 97 | 10:47 | 28.070 | 88.828 | Unidentified small dolphin | N/A | ON |

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|--------|-----------|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Aerial | Summer 97 | 06 Aug 97 | 10:51 | 27.733 | 85.030 | <i>Tursiops truncatus</i> | 8 | OFF |
| Aerial | Summer 97 | 06 Aug 97 | 11:05 | 27.893 | 84.687 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Summer 97 | 06 Aug 97 | 11:40 | 27.509 | 85.148 | <i>Kogia sp.</i> | 1 | ON |
| Gyre | Summer 97 | 06 Aug 97 | 11:41 | 27.967 | 88.788 | Unidentified <i>Stenella</i> | 12 | ON |
| Aerial | Summer 97 | 06 Aug 97 | 12:09 | 27.367 | 85.186 | <i>Mesoplodon sp.</i> | 4 | ON |
| Aerial | Summer 97 | 06 Aug 97 | 12:36 | 27.613 | 84.607 | <i>Tursiops truncatus</i> | 10 | ON |
| Aerial | Summer 97 | 06 Aug 97 | 12:39 | 27.623 | 84.574 | <i>Tursiops truncatus</i> | 10 | ON |
| Gyre | 97G08 | 06 Aug 97 | 12:53 | 27.809 | 88.735 | <i>Physeter macrocephalus</i> | 5 | ON |
| Gyre | 97G08 | 06 Aug 97 | 13:07 | 27.795 | 88.723 | Unidentified <i>Stenella</i> | 45 | OFF |
| Gyre | 97G08 | 06 Aug 97 | 13:56 | 27.711 | 88.643 | <i>Physeter macrocephalus</i> | 3 | ON |
| Gyre | 97G08 | 06 Aug 97 | 14:13 | 27.676 | 88.627 | <i>Steno bredanensis</i> | 25 | ON |
| Gyre | 97G08 | 06 Aug 97 | 16:23 | 27.436 | 88.520 | Unidentified dolphin | N/A | OFF |
| Gyre | 97G08 | 07 Aug 97 | 06:53 | 26.119 | 88.231 | <i>Physeter macrocephalus</i> | N/A | ON |
| Gyre | 97G08 | 07 Aug 97 | 11:10 | 26.257 | 88.201 | <i>Pseudorca crassidens</i> | 12 | ON |
| Gyre | 97G08 | 07 Aug 97 | 12:34 | 26.388 | 88.199 | Unidentified cetacean | 1 | ON |
| Gyre | 97G08 | 07 Aug 97 | 13:15 | 26.466 | 88.170 | Unidentified small whale | 5 | ON |
| Gyre | 97G08 | 07 Aug 97 | 14:29 | 26.634 | 88.157 | Unidentified small dolphin | 5 | ON |
| Gyre | 97G08 | 07 Aug 97 | 14:32 | 26.643 | 88.156 | Unidentified odontocete | 3 | ON |
| Gyre | 97G08 | 07 Aug 97 | 16:03 | 26.852 | 88.139 | Unidentified small dolphin | 4 | ON |
| Gyre | 97G08 | 07 Aug 97 | 16:27 | 26.904 | 88.131 | <i>Stenella attenuata</i> | 25* | OFF |
| Gyre | 97G08 | 08 Aug 97 | 06:20 | 27.947 | 87.943 | Unidentified small dolphin | N/A | OFF |
| Gyre | 97G08 | 08 Aug 97 | 07:26 | 28.085 | 87.952 | <i>Steno bredanensis</i> | 22 | OFF |
| Gyre | 97G08 | 08 Aug 97 | 09:30 | 28.360 | 87.973 | <i>Stenella coeruleoalba</i> | 35 | ON |
| Gyre | 97G08 | 08 Aug 97 | 12:51 | 28.785 | 87.996 | <i>Stenella attenuata</i> | 55 | ON |
| Gyre | 97G08 | 08 Aug 97 | 13:22 | 28.834 | 88.024 | Unidentified small dolphin | N/A | ON |
| Gyre | 97G08 | 08 Aug 97 | 15:55 | 29.170 | 88.008 | Unidentified cetacean | N/A | OFF |
| Gyre | 97G08 | 08 Aug 97 | 17:08 | 29.067 | 87.961 | <i>Stenella attenuata</i> | 40 | OFF |

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|------|-------|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Gyre | 97G08 | 08 Aug 97 | 17:53 | 29.027 | 87.943 | <i>Stenella attenuata</i> | 60 | ON |
| Gyre | 97G08 | 08 Aug 97 | 18:21 | 28.979 | 87.930 | <i>Stenella attenuata</i> | 12 | OFF |
| Gyre | 97G08 | 09 Aug 97 | 06:24 | 28.284 | 87.582 | <i>Physeter macrocephalus</i> | 2 | OFF |
| Gyre | 97G08 | 09 Aug 97 | 06:33 | 28.267 | 87.577 | <i>Stenella attenuata</i> | 25 | OFF |
| Gyre | 97G08 | 09 Aug 97 | 06:50 | 28.242 | 87.571 | Unidentified <i>Stenella</i> | N/A | ON |
| Gyre | 97G08 | 09 Aug 97 | 07:08 | 28.205 | 87.551 | <i>Physeter macrocephalus</i> | 3 | ON |
| Gyre | 97G08 | 09 Aug 97 | 07:24 | 28.171 | 87.534 | <i>Stenella attenuata</i> | 25 | OFF |
| Gyre | 97G08 | 09 Aug 97 | 07:43 | 28.127 | 87.518 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 97G08 | 09 Aug 97 | 07:51 | 28.104 | 87.506 | Unidentified small dolphin | N/A | ON |
| Gyre | 97G08 | 09 Aug 97 | 08:05 | 28.080 | 87.493 | <i>Stenella attenuata</i> | 10 | ON |
| Gyre | 97G08 | 09 Aug 97 | 08:09 | 28.071 | 87.488 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 97G08 | 09 Aug 97 | 11:23 | 27.662 | 87.281 | Unidentified large whale | N/A | ON |
| Gyre | 97G08 | 09 Aug 97 | 14:52 | 27.216 | 87.073 | Unidentified small dolphin | N/A | OFF |
| Gyre | 97G08 | 10 Aug 97 | 07:20 | 27.640 | 86.826 | <i>Physeter macrocephalus</i> | 3 | ON |
| Gyre | 97G08 | 10 Aug 97 | 07:53 | 27.704 | 86.838 | <i>Physeter macrocephalus</i> | 4 | OFF |
| Gyre | 97G08 | 10 Aug 97 | 09:12 | 27.823 | 86.864 | <i>Stenella attenuata</i> | 35 | ON |
| Gyre | 97G08 | 10 Aug 97 | 09:33 | 27.870 | 86.869 | Unidentified large whale | 1 | ON |
| Gyre | 97G08 | 10 Aug 97 | 10:07 | 27.923 | 86.890 | <i>Stenella attenuata</i> | 50 | ON |
| Gyre | 97G08 | 10 Aug 97 | 10:26 | 27.966 | 86.881 | <i>Physeter macrocephalus</i> | 4 | ON |
| Gyre | 97G08 | 10 Aug 97 | 14:26 | 28.339 | 86.876 | <i>Stenella attenuata</i> | 30 | ON |
| Gyre | 97G08 | 10 Aug 97 | 14:38 | 28.366 | 86.877 | <i>Stenella attenuata</i> | 130 | OFF |
| Gyre | 97G08 | 10 Aug 97 | 15:11 | 28.427 | 86.842 | <i>Physeter macrocephalus</i> | 3 | OFF |
| Gyre | 97G08 | 10 Aug 97 | 15:24 | 28.441 | 86.852 | <i>Stenella attenuata</i> | 80 | OFF |
| Gyre | 97G08 | 10 Aug 97 | 16:03 | 28.389 | 86.854 | <i>Physeter macrocephalus</i> | 2 | OFF |
| Gyre | 97G08 | 10 Aug 97 | 16:09 | 28.393 | 86.854 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 97G08 | 10 Aug 97 | 16:09 | 28.404 | 86.854 | Unidentified <i>Stenella</i> | 15 | OFF |
| Gyre | 97G08 | 10 Aug 97 | 17:04 | 28.441 | 86.857 | <i>Stenella attenuata</i> | 150 | ON |

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|------|-------|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Gyre | 97G08 | 10 Aug 97 | 18:13 | 28.590 | 86.861 | Unidentified large whale | 2 | ON |
| Gyre | 97G08 | 11 Aug 97 | 13:22 | 27.745 | 87.243 | <i>Physeter macrocephalus</i> | 6 | ON |
| Gyre | 97G08 | 11 Aug 97 | 13:28 | 27.727 | 87.247 | <i>Stenella attenuata</i> | 40 | OFF |
| Gyre | 97G08 | 12 Aug 97 | 07:23 | 27.098 | 87.552 | <i>Stenella attenuata</i> | 20 | ON |
| Gyre | 97G08 | 12 Aug 97 | 17:44 | 28.158 | 88.193 | <i>Stenella attenuata</i> | 1 | OFF |
| Gyre | 97G08 | 12 Aug 97 | 17:44 | 28.158 | 88.193 | <i>Stenella coeruleoalba</i> | 2 | ON |
| Gyre | 97G08 | 12 Aug 97 | 19:20 | 28.310 | 88.237 | <i>Grampus griseus</i> | 7 | OFF |
| Gyre | 97G08 | 12 Aug 97 | 19:20 | 28.310 | 88.237 | <i>Pseudorca crassidens</i> | 9 | OFF |
| Gyre | 97G08 | 13 Aug 97 | 06:55 | 29.568 | 88.477 | <i>Tursiops truncatus</i> | 5 | ON |
| Gyre | 97G08 | 13 Aug 97 | 07:41 | 29.652 | 88.461 | <i>Tursiops truncatus</i> | 3 | OFF |
| Gyre | 97G08 | 13 Aug 97 | 07:44 | 29.661 | 88.460 | <i>Tursiops truncatus</i> | 6 | ON |
| Gyre | 97G08 | 13 Aug 97 | 07:52 | 29.677 | 88.459 | <i>Tursiops truncatus</i> | 2 | ON |
| Gyre | 97G08 | 13 Aug 97 | 07:52 | 29.678 | 88.459 | <i>Tursiops truncatus</i> | 3 | ON |
| Gyre | 97G08 | 13 Aug 97 | 07:58 | 29.689 | 88.458 | Unidentified dolphin | 1 | ON |
| Gyre | 97G08 | 13 Aug 97 | 08:46 | 29.795 | 88.446 | <i>Tursiops truncatus</i> | 2 | ON |
| Gyre | 97G08 | 13 Aug 97 | 09:31 | 29.900 | 88.443 | <i>Tursiops truncatus</i> | 2 | OFF |
| Gyre | 97G08 | 13 Aug 97 | 11:01 | 30.089 | 88.490 | <i>Tursiops truncatus</i> | 2 | OFF |
| Gyre | 97G08 | 13 Aug 97 | 11:33 | 30.162 | 88.529 | <i>Tursiops truncatus</i> | 2 | OFF |
| Gyre | 97G08 | 14 Aug 97 | 06:58 | 30.048 | 87.834 | Unidentified dolphin | 1 | ON |
| Gyre | 97G08 | 14 Aug 97 | 08:10 | 29.845 | 87.832 | <i>Tursiops truncatus</i> | 9 | ON |
| Gyre | 97G08 | 14 Aug 97 | 09:58 | 29.604 | 87.815 | <i>Tursiops truncatus</i> | 30 | ON |
| Gyre | 97G08 | 14 Aug 97 | 10:25 | 29.542 | 87.814 | <i>Tursiops truncatus</i> | 40 | ON |
| Gyre | 97G08 | 14 Aug 97 | 11:10 | 29.442 | 87.819 | <i>Tursiops truncatus</i> | 15 | ON |
| Gyre | 97G08 | 14 Aug 97 | 13:56 | 29.075 | 87.830 | <i>Tursiops truncatus</i> | 3 | ON |
| Gyre | 97G08 | 14 Aug 97 | 14:20 | 29.022 | 87.832 | <i>Stenella attenuata</i> | 500 | ON |
| Gyre | 97G08 | 14 Aug 97 | 15:34 | 28.932 | 87.876 | <i>Ziphiidae fm.</i> | 1 | ON |
| Gyre | 97G08 | 14 Aug 97 | 16:58 | 28.847 | 87.770 | <i>Stenella attenuata</i> | 40 | ON |

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|------|-------|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Gyre | 97G08 | 15 Aug 97 | 07:06 | 29.515 | 87.296 | <i>Stenella longirostris</i> | 80 | ON |
| Gyre | 97G08 | 15 Aug 97 | 07:28 | 29.549 | 87.252 | Unidentified small whale | 1 | OFF |
| Gyre | 97G08 | 15 Aug 97 | 11:18 | 29.951 | 87.053 | <i>Stenella frontalis</i> | 5 | OFF |
| Gyre | 97G08 | 15 Aug 97 | 12:08 | 30.050 | 87.026 | <i>Stenella frontalis</i> | 8 | OFF |
| Gyre | 97G08 | 15 Aug 97 | 13:31 | 30.194 | 86.929 | Unidentified dolphin | 2 | ON |
| Gyre | 97G08 | 15 Aug 97 | 14:06 | 30.198 | 86.837 | <i>Stenella frontalis</i> | 4 | OFF |
| Gyre | 97G08 | 15 Aug 97 | 15:02 | 30.212 | 86.691 | <i>Stenella frontalis</i> | 5 | OFF |
| Gyre | 97G08 | 15 Aug 97 | 15:05 | 30.213 | 86.684 | <i>Stenella frontalis</i> | 4 | OFF |
| Gyre | 97G08 | 15 Aug 97 | 15:17 | 30.213 | 86.650 | <i>Stenella frontalis</i> | 4 | ON |
| Gyre | 97G08 | 15 Aug 97 | 15:17 | 30.213 | 86.650 | <i>Tursiops truncatus</i> | 4 | ON |
| Gyre | 97G08 | 15 Aug 97 | 15:34 | 30.213 | 86.606 | <i>Stenella frontalis</i> | 4 | ON |
| Gyre | 97G08 | 15 Aug 97 | 15:34 | 30.213 | 86.606 | <i>Tursiops truncatus</i> | 2 | ON |
| Gyre | 97G08 | 15 Aug 97 | 16:12 | 30.213 | 86.505 | <i>Tursiops truncatus</i> | 1 | ON |
| Gyre | 97G08 | 15 Aug 97 | 16:57 | 30.200 | 86.404 | <i>Stenella frontalis</i> | 1 | ON |
| Gyre | 97G08 | 15 Aug 97 | 16:57 | 30.200 | 86.404 | Unidentified dolphin | 1 | ON |
| Gyre | 97G08 | 16 Aug 97 | 16:39 | 29.746 | 86.680 | <i>Tursiops truncatus</i> | 5 | ON |
| Gyre | 97G08 | 16 Aug 97 | 17:04 | 29.696 | 86.692 | <i>Tursiops truncatus</i> | 1 | ON |
| Gyre | 97G08 | 16 Aug 97 | 19:02 | 29.430 | 86.693 | <i>Stenella longirostris</i> | 51 | ON |
| Gyre | 97G08 | 17 Aug 97 | 06:27 | 28.516 | 86.662 | <i>Stenella attenuata</i> | 26 | ON |
| Gyre | 97G08 | 17 Aug 97 | 06:56 | 28.485 | 86.664 | <i>Stenella attenuata</i> | 80 | ON |
| Gyre | 97G08 | 17 Aug 97 | 07:52 | 28.381 | 86.664 | Unidentified dolphin | 3 | ON |
| Gyre | 97G08 | 17 Aug 97 | 08:22 | 28.314 | 86.666 | <i>Stenella attenuata</i> | 100 | ON |
| Gyre | 97G08 | 17 Aug 97 | 08:48 | 28.270 | 86.692 | <i>Physeter macrocephalus</i> | 3 | OFF |
| Gyre | 97G08 | 17 Aug 97 | 08:48 | 28.270 | 86.692 | <i>Stenella coeruleoalba</i> | 95 | ON |
| Gyre | 97G08 | 17 Aug 97 | 11:33 | 28.160 | 86.637 | <i>Physeter macrocephalus</i> | 2 | ON |
| Gyre | 97G08 | 17 Aug 97 | 11:50 | 28.139 | 86.602 | <i>Physeter macrocephalus</i> | 1 | ON |
| Gyre | 97G08 | 17 Aug 97 | 12:04 | 28.115 | 86.577 | <i>Physeter macrocephalus</i> | 2 | ON |

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|------|-------|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Gyre | 97G08 | 17 Aug 97 | 12:15 | 28.095 | 86.560 | <i>Physeter macrocephalus</i> | 2 | ON |
| Gyre | 97G08 | 17 Aug 97 | 12:21 | 28.084 | 86.551 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 97G08 | 17 Aug 97 | 12:34 | 28.091 | 86.531 | <i>Physeter macrocephalus</i> | 3 | ON |
| Gyre | 97G08 | 17 Aug 97 | 12:49 | 28.119 | 86.512 | <i>Stenella coeruleoalba</i> | 63 | ON |
| Gyre | 97G08 | 17 Aug 97 | 12:58 | 28.138 | 86.517 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Gyre | 97G08 | 17 Aug 97 | 13:36 | 28.183 | 86.496 | Unidentified large whale | 1 | ON |
| Gyre | 97G08 | 18 Aug 97 | 06:23 | 28.490 | 85.580 | <i>Tursiops truncatus</i> | 9 | ON |
| Gyre | 97G08 | 18 Aug 97 | 07:43 | 28.355 | 85.670 | Unidentified small whale | 1 | OFF |
| Gyre | 97G08 | 18 Aug 97 | 09:27 | 28.155 | 85.748 | <i>Stenella coeruleoalba</i> | 40 | ON |
| Gyre | 97G08 | 18 Aug 97 | 10:27 | 28.093 | 85.814 | <i>Tursiops truncatus</i> | 35 | OFF |
| Gyre | 97G08 | 18 Aug 97 | 10:27 | 28.093 | 85.814 | Unidentified small whale | 4 | OFF |
| Gyre | 97G08 | 18 Aug 97 | 13:13 | 27.963 | 85.879 | Unidentified dolphin | 1 | ON |
| Gyre | 97G08 | 18 Aug 97 | 13:15 | 27.957 | 85.881 | Unidentified dolphin | 3 | OFF |
| Gyre | 97G08 | 18 Aug 97 | 15:56 | 27.783 | 85.812 | <i>Ziphius cavirostris</i> | 2 | ON |
| Gyre | 97G08 | 18 Aug 97 | 16:24 | 27.741 | 85.758 | Unidentified dolphin | 2 | ON |
| Gyre | 97G08 | 18 Aug 97 | 16:44 | 27.711 | 85.722 | Unidentified dolphin | 2 | ON |
| Gyre | 97G08 | 18 Aug 97 | 17:05 | 27.684 | 85.685 | <i>Stenella attenuata</i> | 35 | ON |
| Gyre | 97G08 | 18 Aug 97 | 17:58 | 27.734 | 85.569 | Unidentified dolphin | 47 | ON |
| Gyre | 97G08 | 18 Aug 97 | 18:54 | 27.742 | 85.483 | <i>Stenella attenuata</i> | 68 | OFF |
| Gyre | 97G08 | 18 Aug 97 | 18:54 | 27.742 | 85.483 | <i>Stenella attenuata</i> | 140 | ON |
| Gyre | 97G08 | 19 Aug 97 | 06:18 | 27.770 | 84.938 | <i>Stenella attenuata</i> | 190 | ON |
| Gyre | 97G08 | 19 Aug 97 | 06:51 | 27.785 | 85.001 | <i>Tursiops truncatus</i> | 29 | ON |
| Gyre | 97G08 | 19 Aug 97 | 07:56 | 27.685 | 85.108 | <i>Tursiops truncatus</i> | 1 | ON |
| Gyre | 97G08 | 19 Aug 97 | 08:51 | 27.585 | 85.180 | Unidentified small dolphin | 1 | ON |
| Gyre | 97G08 | 19 Aug 97 | 09:14 | 27.543 | 85.206 | <i>Stenella attenuata</i> | 83 | ON |
| Gyre | 97G08 | 19 Aug 97 | 09:38 | 27.504 | 85.238 | <i>Stenella attenuata</i> | 178 | ON |
| Gyre | 97G08 | 19 Aug 97 | 14:20 | 27.380 | 85.672 | Unidentified dolphin | 1 | ON |

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|--------|-----------|-----------|-------|--------|--------|--|-----|-----|
| Gyre | 97G08 | 19 Aug 97 | 17:20 | 27.396 | 86.127 | Unidentified dolphin | 1 | ON |
| Gyre | 97G08 | 19 Aug 97 | 17:38 | 27.398 | 86.172 | <i>Stenella attenuata</i> | 350 | ON |
| Gyre | 97G08 | 19 Aug 97 | 18:19 | 27.446 | 86.216 | <i>Stenella attenuata</i> | 40 | ON |
| Gyre | 97G08 | 20 Aug 97 | 09:14 | 27.457 | 87.129 | Unidentified small dolphin | 10 | ON |
| Gyre | 97G08 | 20 Aug 97 | 09:42 | 27.475 | 87.173 | Unidentified dolphin | 1 | OFF |
| Gyre | 97G08 | 20 Aug 97 | 09:49 | 27.483 | 87.184 | Unidentified dolphin | 2 | OFF |
| Gyre | 97G08 | 20 Aug 97 | 10:32 | 27.536 | 87.243 | <i>Kogia sp.</i> | 3 | ON |
| Gyre | 97G08 | 20 Aug 97 | 11:04 | 27.560 | 87.303 | <i>Kogia sp.</i> | 1 | ON |
| Gyre | 97G08 | 20 Aug 97 | 12:23 | 27.563 | 87.411 | <i>Kogia sp.</i> | 2 | ON |
| Gyre | 97G08 | 20 Aug 97 | 13:34 | 27.654 | 87.534 | Unidentified dolphin | 12 | ON |
| Gyre | 97G08 | 20 Aug 97 | 15:21 | 27.801 | 87.692 | Unidentified small whale | 3 | ON |
| Gyre | 97G08 | 20 Aug 97 | 17:13 | 27.953 | 87.805 | Unidentified dolphin | 5 | ON |
| Gyre | 97G08 | 20 Aug 97 | 19:19 | 28.105 | 87.880 | Unidentified dolphin | 2 | OFF |
| Gyre | 97G08 | 21 Aug 97 | 09:26 | 28.643 | 88.923 | Unidentified small dolphin | 3 | OFF |
| Gyre | 97G08 | 21 Aug 97 | 09:50 | 28.578 | 88.923 | Unidentified dolphin | 3 | OFF |
| Gyre | 97G08 | 21 Aug 97 | 11:56 | 28.280 | 88.919 | <i>Physeter macrocephalus</i> | 3 | OFF |
| Aerial | Winter 98 | 08 Feb 98 | 10:58 | 29.646 | 88.140 | <i>Tursiops truncatus/Stenella frontalis</i> | 1 | ON |
| Aerial | Winter 98 | 08 Feb 98 | 11:11 | 29.547 | 88.152 | <i>Tursiops truncatus</i> | 25 | OFF |
| Aerial | Winter 98 | 08 Feb 98 | 11:42 | 29.597 | 88.000 | <i>Stenella frontalis</i> | 38 | ON |
| Aerial | Winter 98 | 08 Feb 98 | 12:30 | 29.510 | 87.858 | <i>Stenella frontalis</i> | 72 | ON |
| Aerial | Winter 98 | 08 Feb 98 | 13:07 | 30.004 | 87.705 | <i>Tursiops truncatus</i> | 2 | OFF |
| Aerial | Winter 98 | 08 Feb 98 | 13:15 | 30.078 | 87.701 | <i>Tursiops truncatus</i> | 4 | OFF |
| Aerial | Winter 98 | 09 Feb 98 | 09:07 | 28.990 | 88.129 | <i>Physeter macrocephalus</i> | 5 | OFF |
| Aerial | Winter 98 | 09 Feb 98 | 10:02 | 29.185 | 87.851 | <i>Grampus griseus</i> | 57 | ON |
| Aerial | Winter 98 | 09 Feb 98 | 10:12 | 28.936 | 87.858 | <i>Grampus griseus</i> | 21 | ON |
| Aerial | Winter 98 | 09 Feb 98 | 10:51 | 29.206 | 87.706 | <i>Stenella coeruleoalba</i> | 160 | ON |
| Aerial | Winter 98 | 09 Feb 98 | 10:52 | 29.232 | 87.705 | <i>Physeter macrocephalus</i> | 1 | ON |

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|--------|-----------|-----------|-------|--------|--------|--|-----|-----|
| Aerial | Winter 98 | 09 Feb 98 | 11:19 | 29.370 | 87.543 | <i>Tursiops truncatus</i> | 110 | OFF |
| Aerial | Winter 98 | 09 Feb 98 | 11:36 | 28.858 | 87.603 | <i>Stenella clymene/ longirostris/coeruleoalba</i> | 15 | OFF |
| Aerial | Winter 98 | 09 Feb 98 | 12:18 | 29.147 | 87.454 | <i>Grampus griseus</i> | 10 | ON |
| Aerial | Winter 98 | 09 Feb 98 | 12:18 | 29.147 | 87.454 | <i>Globicephala sp.</i> | 33 | ON |
| Aerial | Winter 98 | 09 Feb 98 | 12:29 | 29.469 | 87.410 | <i>Tursiops truncatus</i> | 30 | ON |
| Aerial | Winter 98 | 09 Feb 98 | 12:51 | 29.665 | 87.234 | <i>Tursiops truncatus</i> | 9 | ON |
| Aerial | Winter 98 | 09 Feb 98 | 13:01 | 29.474 | 87.274 | <i>Tursiops truncatus</i> | 5 | ON |
| Aerial | Winter 98 | 09 Feb 98 | 13:14 | 29.228 | 87.311 | <i>Stenella coeruleoalba</i> | 73 | ON |
| Aerial | Winter 98 | 09 Feb 98 | 13:36 | 29.146 | 87.335 | <i>Stenella clymene</i> | 130 | ON |
| Aerial | Winter 98 | 12 Feb 98 | 12:22 | 29.425 | 87.278 | <i>Tursiops truncatus</i> | 52 | OFF |
| Aerial | Winter 98 | 12 Feb 98 | 13:01 | 28.635 | 87.419 | <i>Stenella attenuata</i> | 36 | ON |
| Aerial | Winter 98 | 12 Feb 98 | 13:30 | 28.828 | 87.282 | <i>Stenella attenuata</i> | 47 | ON |
| Aerial | Winter 98 | 12 Feb 98 | 13:59 | 28.864 | 87.303 | <i>Stenella clymene</i> | 32 | OFF |
| Aerial | Winter 98 | 12 Feb 98 | 14:04 | 28.854 | 87.302 | <i>Stenella clymene/ longirostris/coeruleoalba</i> | 50 | OFF |
| Aerial | Winter 98 | 12 Feb 98 | 15:07 | 30.095 | 87.001 | <i>Tursiops truncatus/Stenella frontalis</i> | 5 | OFF |
| Aerial | Winter 98 | 12 Feb 98 | 15:25 | 30.019 | 87.138 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Winter 98 | 12 Feb 98 | 15:42 | 29.909 | 87.287 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Winter 98 | 12 Feb 98 | 16:14 | 29.737 | 87.441 | <i>Tursiops truncatus</i> | 8 | ON |
| Aerial | Winter 98 | 12 Feb 98 | 16:18 | 29.710 | 87.437 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Winter 98 | 12 Feb 98 | 16:38 | 29.684 | 87.571 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Winter 98 | 12 Feb 98 | 16:46 | 29.878 | 87.570 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Winter 98 | 13 Feb 98 | 12:31 | 30.113 | 87.008 | <i>Tursiops truncatus</i> | 8 | ON |
| Aerial | Winter 98 | 13 Feb 98 | 12:44 | 30.206 | 86.869 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Winter 98 | 13 Feb 98 | 12:56 | 30.151 | 86.721 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Winter 98 | 13 Feb 98 | 13:43 | 28.921 | 87.129 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Aerial | Winter 98 | 13 Feb 98 | 13:59 | 28.599 | 87.235 | <i>Grampus griseus</i> | 11 | ON |
| Aerial | Winter 98 | 13 Feb 98 | 14:28 | 28.358 | 87.193 | <i>Ziphius cavirostris</i> | 3 | ON |

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|--------|-----------|-----------|-------|--------|--------|-------------------------------|-----|-----|
| Aerial | Winter 98 | 13 Feb 98 | 15:30 | 29.874 | 86.597 | <i>Tursiops truncatus</i> | 8 | OFF |
| Aerial | Winter 98 | 19 Feb 98 | 11:05 | 30.064 | 86.308 | <i>Tursiops truncatus</i> | 5 | ON |
| Aerial | Winter 98 | 19 Feb 98 | 11:24 | 30.057 | 86.175 | <i>Tursiops truncatus</i> | 3 | ON |
| Aerial | Winter 98 | 19 Feb 98 | 11:45 | 29.714 | 86.182 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Winter 98 | 19 Feb 98 | 11:46 | 29.670 | 86.179 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Winter 98 | 24 Feb 98 | 12:40 | 30.000 | 86.436 | <i>Stenella frontalis</i> | 31 | ON |
| Aerial | Winter 98 | 24 Feb 98 | 13:30 | 28.896 | 86.714 | <i>Tursiops truncatus</i> | 110 | OFF |
| Aerial | Winter 98 | 24 Feb 98 | 13:45 | 28.585 | 86.893 | <i>Stenella attenuata</i> | 8 | ON |
| Aerial | Winter 98 | 24 Feb 98 | 13:52 | 28.524 | 86.929 | <i>Stenella attenuata</i> | 27 | ON |
| Aerial | Winter 98 | 24 Feb 98 | 14:02 | 28.464 | 86.959 | <i>Stenella attenuata</i> | 99 | ON |
| Aerial | Winter 98 | 24 Feb 98 | 14:08 | 28.404 | 86.996 | <i>Stenella attenuata</i> | 73 | ON |
| Aerial | Winter 98 | 24 Feb 98 | 14:18 | 28.242 | 86.954 | <i>Stenella attenuata</i> | 20 | OFF |
| Aerial | Winter 98 | 24 Feb 98 | 14:23 | 28.298 | 86.913 | <i>Physeter macrocephalus</i> | 1 | OFF |
| Aerial | Winter 98 | 24 Feb 98 | 14:32 | 28.438 | 86.840 | <i>Stenella attenuata</i> | 11 | OFF |
| Aerial | Winter 98 | 24 Feb 98 | 14:39 | 28.550 | 86.752 | <i>Stenella attenuata</i> | 16 | OFF |
| Aerial | Winter 98 | 24 Feb 98 | 14:54 | 28.584 | 86.749 | <i>Feresa attenuata</i> | 6 | OFF |
| Aerial | Winter 98 | 24 Feb 98 | 15:19 | 29.160 | 86.408 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Winter 98 | 24 Feb 98 | 15:43 | 29.364 | 86.100 | <i>Tursiops truncatus</i> | 3 | OFF |
| Aerial | Winter 98 | 24 Feb 98 | 16:36 | 28.176 | 86.812 | Unidentified dolphin | 6 | OFF |
| Aerial | Winter 98 | 24 Feb 98 | 16:36 | 28.176 | 86.812 | <i>Ziphius cavirostris</i> | 2 | OFF |
| Aerial | Winter 98 | 24 Feb 98 | 16:58 | 28.514 | 86.498 | <i>Stenella attenuata</i> | 26 | OFF |
| Aerial | Winter 98 | 24 Feb 98 | 17:02 | 28.556 | 86.458 | <i>Stenella attenuata</i> | 21 | OFF |
| Aerial | Winter 98 | 25 Feb 98 | 08:17 | 29.221 | 85.837 | <i>Tursiops truncatus</i> | 4 | ON |
| Aerial | Winter 98 | 25 Feb 98 | 08:36 | 28.825 | 86.111 | <i>Tursiops truncatus</i> | 18 | ON |
| Aerial | Winter 98 | 25 Feb 98 | 09:37 | 28.344 | 86.261 | <i>Feresa attenuata</i> | 9 | ON |
| Aerial | Winter 98 | 25 Feb 98 | 11:49 | 29.350 | 86.039 | <i>Tursiops truncatus</i> | 1 | ON |
| Aerial | Winter 98 | 25 Feb 98 | 12:01 | 29.599 | 86.038 | <i>Tursiops truncatus</i> | 23 | ON |

| | | | | | | | | |
|--------|-----------|-----------|-------|--------|--------|--|-----|-----|
| Aerial | Winter 98 | 25 Feb 98 | 12:17 | 29.882 | 86.044 | <i>Stenella frontalis</i> | 18 | ON |
| Aerial | Winter 98 | 25 Feb 98 | 12:25 | 29.988 | 86.042 | <i>Tursiops truncatus/Stenella frontalis</i> | 6 | ON |
| Aerial | Winter 98 | 28 Feb 98 | 13:09 | 29.503 | 86.177 | <i>Tursiops truncatus/Stenella frontalis</i> | 2 | OFF |
| Aerial | Winter 98 | 28 Feb 98 | 13:23 | 29.795 | 86.173 | <i>Stenella frontalis</i> | 30 | OFF |
| Aerial | Winter 98 | 28 Feb 98 | 13:30 | 29.951 | 86.172 | <i>Tursiops truncatus/Stenella frontalis</i> | 1 | OFF |
| Aerial | Winter 98 | 04 Mar 98 | 09:59 | 28.366 | 85.926 | <i>Stenella attenuata</i> | 75 | ON |
| Aerial | Winter 98 | 04 Mar 98 | 11:38 | 28.376 | 85.592 | <i>Tursiops truncatus</i> | 1 | OFF |
| Aerial | Winter 98 | 04 Mar 98 | 12:22 | 28.271 | 85.498 | <i>Tursiops truncatus</i> | 2 | ON |
| Aerial | Winter 98 | 04 Mar 98 | 12:52 | 27.777 | 85.858 | Unidentified odontocete | 1 | ON |
| Aerial | Winter 98 | 14 Mar 98 | 12:09 | 27.853 | 85.600 | <i>Stenella longirostris</i> | 100 | ON |
| Aerial | Winter 98 | 14 Mar 98 | 13:55 | 27.578 | 85.377 | <i>Grampus griseus</i> | 6 | ON |
| Aerial | Winter 98 | 14 Mar 98 | 14:10 | 27.729 | 85.109 | <i>Tursiops truncatus</i> | 11 | OFF |
| Aerial | Winter 98 | 14 Mar 98 | 14:51 | 27.755 | 84.776 | <i>Stenella frontalis</i> | 60 | OFF |
| Aerial | Winter 98 | 14 Mar 98 | 15:43 | 27.523 | 84.949 | <i>Grampus griseus</i> | 11 | ON |

IV. ACOUSTICS

Dolphin Acoustic Contacts during the late summer Gyre Cruise (Gyre 96G06).

Species codes: UD= unidentified dolphin; SA= *Stenella attenuata*, Pantropical spotted dolphin; SF= *S. frontalis*, Atlantic spotted dolphin; SO= *S. coeruleoalba*, striped dolphin; SY= *S. clymene*, Clymene dolphin; TT= *Tursiops truncatus*, bottlenose dolphin; SB= *Steno bredanensis*, Rough toothed dolphin; US= unidentified *Stenella*.

| Date | Time | Species | Latitude | Longitude | Comments |
|----------|----------|---------|----------|-----------|---|
| 10/11/96 | 21:45:48 | UD | 27.300 | 87.590 | faint whistles. positions are same because duration<5 min |
| 10/11/96 | 21:46:06 | UD | 27.300 | 87.590 | echolocation |
| 10/11/96 | 21:46:29 | UD | 27.300 | 87.590 | faint echolocation |
| 10/11/96 | 21:46:59 | UD | 27.300 | 87.590 | echolocation |
| 10/11/96 | 21:47:22 | UD | 27.300 | 87.590 | echolocation |
| 10/11/96 | 21:47:40 | UD | 27.300 | 87.590 | echolocation |
| 10/12/96 | 4:37:00 | UD | 26.941 | 87.480 | echolocation |
| 10/12/96 | 4:37:00 | UD | 26.941 | 87.480 | burst pulse (bp) |
| 10/12/96 | 5:39:00 | UD | 26.465 | 87.461 | echolocation. dur<5min. therefore all same location |
| 10/12/96 | 5:39:31 | UD | 26.465 | 87.461 | echolocation |
| 10/12/96 | 5:39:45 | UD | 26.465 | 87.461 | whistles |
| 10/12/96 | 5:40:08 | UD | 26.465 | 87.461 | continued echolocation |
| 10/12/96 | 5:41:50 | UD | 26.465 | 87.461 | faint echolocation |
| 10/12/96 | 6:28:00 | SA | 26.699 | 87.354 | loud echolocation. estimated location |
| 10/12/96 | 6:28:14 | SA | 26.699 | 87.354 | bp and whistles |
| 10/12/96 | 6:28:33 | SA | 26.699 | 87.354 | continued echolocation |
| 10/14/96 | 6:53:00 | UD | 27.973 | 84.830 | echolocation |
| 10/14/96 | 6:53:21 | UD | 27.973 | 84.830 | low freq echolocation |
| 10/14/96 | 12:56 | SA | 28.254 | 86.620 | sa pulsing (animals seen) |
| 10/14/96 | 23:30:46 | UD | 28.736 | 85.440 | echolocation more pulsing |
| 10/14/96 | 23:33:10 | | 28.739 | 85.446 | faint whistles and pulsing |
| 10/15/96 | 3:04:00 | UD | 28.860 | 85.480 | whistle |
| 10/15/96 | 3:04:00 | UD | 28.860 | 85.480 | echolocation |

| | | | | | |
|----------|----------|----|--------|--------|---|
| 10/15/96 | 3:04:00 | UD | 28.860 | 85.480 | echolocation |
| 10/15/96 | 4:37:40 | SF | 28.754 | 85.69 | burst pulsing and echolocation |
| 10/15/96 | 4:38:03 | SF | 28.754 | 85.69 | 2 bp and 1 whistle |
| 10/15/96 | 4:38:10 | SF | 28.754 | 85.69 | |
| 10/15/96 | 4:38:18 | SF | 28.754 | 85.69 | |
| 10/15/96 | 4:38:21 | SF | 28.754 | 85.69 | |
| 10/15/96 | 4:38:33 | SF | 28.753 | 85.69 | 2 bp and 1 whistle |
| 10/15/96 | 4:38:44 | SF | 28.753 | 85.69 | 2 bp and 1 whistle |
| 10/15/96 | 4:38:56 | SF | 28.753 | 85.69 | |
| 10/15/96 | 4:39:04 | SF | 28.753 | 85.69 | 2 bp and 1 whistle |
| 10/15/96 | 4:39:35 | SF | 28.752 | 85.69 | 2 bp and 1 whistle |
| 10/15/96 | 4:39:43 | SF | 28.752 | 85.69 | |
| 10/15/96 | 4:39:51 | SF | 28.752 | 85.69 | |
| 10/15/96 | 4:39:59 | SF | 28.751 | 85.69 | 2 bp and 1 whistle |
| 10/15/96 | 4:40:11 | SF | 28.751 | 85.69 | |
| 10/15/96 | 4:40:23 | SF | 28.75 | 85.69 | |
| 10/15/96 | 4:40:27 | SF | 28.75 | 85.69 | faint 2 bp-1 whistle |
| 10/15/96 | 4:40:35 | SF | 28.75 | 85.7 | |
| 10/15/96 | 4:42:02 | SF | 28.749 | 85.7 | faint whistles |
| 10/15/96 | 5:10:00 | US | 28.72 | 85.764 | |
| 10/15/96 | 5:10:13 | US | 28.72 | 85.764 | |
| 10/15/96 | 5:10:26 | US | 28.72 | 85.764 | |
| 10/15/96 | 5:10:33 | US | 28.718 | 85.768 | |
| 10/15/96 | 5:11:19 | US | 28.718 | 85.768 | |
| 10/15/96 | 5:14:01 | US | 28.716 | 85.772 | |
| 10/15/96 | 12:56:28 | SA | 28.257 | 86.624 | sa pulsing (animals seen) |
| 10/15/96 | 22:30:36 | UD | 29.004 | 86.679 | faint whistle |
| 10/15/96 | 22:31:19 | UD | 29.004 | 86.679 | faint whistle |
| 10/16/96 | 3:17:30 | SF | 29.352 | 86.705 | faint pulsing and whistle. note: location for this contact is the same because contact < 5min |
| 10/16/96 | 3:17:42 | SF | 29.352 | 86.705 | louder pulsing |
| 10/16/96 | 3:18:00 | SF | 29.352 | 86.705 | good echolocation |
| 10/16/96 | 3:18:37 | SF | 29.352 | 86.705 | good echolocation |
| 10/16/96 | 3:19:00 | SF | 29.352 | 86.705 | whistles and echolocation |
| 10/16/96 | 3:19:09 | SF | 29.352 | 86.705 | series of 3 or 4 good whistles |

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|----------|----------|----|--------|--------|---|
| 10/16/96 | 3:19:22 | SF | 29.352 | 86.705 | 3 burst pulses and 2 whistles |
| 10/16/96 | 3:19:41 | SF | 29.352 | 86.705 | series of 4 whistles |
| 10/16/96 | 3:20:26 | SF | 29.352 | 86.705 | echolocation |
| 10/16/96 | 7:55:00 | TT | 29.932 | 86.758 | echolocation. tt on bow at 7:52 |
| 10/16/96 | 18:29:00 | UD | 29.550 | 87.401 | whistles. |
| 10/16/96 | 18:30:21 | UD | 29.550 | 87.401 | odd whistle |
| 10/16/96 | 18:32:20 | UD | 29.550 | 87.401 | whistle |
| 10/16/96 | 18:32:39 | UD | 29.550 | 87.401 | short pt whistles |
| 10/16/96 | 18:38:33 | UD | 29.550 | 87.401 | pt whistles |
| 10/16/96 | 18:38:46 | UD | 29.550 | 87.401 | faint echolocation and pt whistles |
| 10/16/96 | 18:39:06 | UD | 29.540 | 87.401 | echolocation |
| 10/16/96 | 18:40:17 | UD | 29.540 | 87.401 | better whistles |
| 10/16/96 | 18:40:33 | UD | 29.540 | 87.401 | multiple animal whistles |
| 10/16/96 | 18:41:41 | UD | 29.530 | 87.401 | whistles |
| 10/16/96 | 18:43:51 | UD | 29.529 | 87.401 | moe pt tones at 6500 hz like steno |
| 10/16/96 | 18:44:04 | UD | 29.529 | 87.401 | good pt whistle |
| 10/16/96 | 18:45:20 | UD | 29.529 | 87.401 | upswept whistle |
| 10/16/96 | 18:47:05 | UD | 29.529 | 87.401 | upswept whistles |
| 10/18/96 | 10:05:00 | UD | 29.445 | 88.245 | whistle |
| 10/18/96 | 10:05:10 | UD | 29.445 | 88.245 | faint whistle |
| 10/18/96 | 10:05:41 | UD | 29.445 | 88.245 | faint whistle |
| 10/18/96 | 11:00:00 | UD | 29.580 | 88.301 | 2 whistles |
| 10/18/96 | 11:00:31 | UD | 29.580 | 88.301 | whistles |
| 10/18/96 | 11:00:54 | UD | 29.580 | 88.301 | whistles |
| 10/18/96 | 11:03:25 | UD | 29.585 | 88.302 | more whistles |
| 10/18/96 | 11:05:54 | UD | 29.590 | 88.303 | whistles |
| 10/18/96 | 11:06:33 | UD | 29.593 | 88.304 | whistles |
| 10/21/96 | 16:24:00 | SO | 26.831 | 87.908 | pulsing and whistles. contact <5min therefore all locations the same |
| 10/21/96 | 16:24:25 | SO | 26.831 | 87.908 | high whistles at 9 khz |
| 10/21/96 | 16:24:37 | SO | 26.831 | 87.908 | good whistles |
| 10/21/96 | 16:24:54 | SO | 26.831 | 87.908 | good whistles |
| 10/21/96 | 16:25:04 | SO | 26.831 | 87.908 | good whistles |

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|----------|----------|----|--------|--------|---|
| 10/21/96 | 16:25:18 | SO | 26.831 | 87.908 | 3 similar whistles |
| 10/21/96 | 16:25:31 | SO | 26.831 | 87.908 | multiple animals |
| 10/21/96 | 16:25:48 | SO | 26.831 | 87.908 | very good whistles |
| 10/21/96 | 16:26:29 | SO | 26.831 | 87.908 | faint whistles |
| 10/21/96 | 16:26:39 | SO | 26.831 | 87.908 | still whistling while boat turns |
| 10/23/96 | 7:10:00 | SA | 26.153 | 88.081 | sa all around after mocness |
| 10/23/96 | 7:10:10 | SA | 26.153 | 88.081 | good bp |
| 10/23/96 | 7:10:40 | SA | 26.153 | 88.081 | whistle |
| 10/23/96 | 7:11:08 | SA | 26.153 | 88.081 | echolocation |
| 10/23/96 | 8:42:00 | SA | 26.332 | 88.175 | echolocation |
| 10/23/96 | 8:42:15 | SA | 26.332 | 88.175 | much echolocation |
| 10/23/96 | 8:42:28 | SA | 26.332 | 88.175 | some whistling |
| 10/23/96 | 8:42:58 | SA | 26.332 | 88.175 | echolocation |
| 10/23/96 | 22:35:00 | UD | 27.390 | 88.748 | whistle |
| 10/24/96 | 14:37:00 | SO | 27.832 | 89.257 | whistles |
| 10/24/96 | 14:40:00 | SO | | | Off effort with much changing of course |
| 10/24/96 | 15:16:00 | SO | 27.802 | 89.329 | Continued good whistles |
| 10/25/96 | 0:00:15 | UD | 27.065 | 89.061 | lone faint whistle |
| 10/26/96 | 7:05:00 | SY | 26.103 | 87.438 | faint whistles |
| 10/26/96 | 8:59:00 | SA | 26.366 | 87.546 | faint whistles |
| 10/26/96 | 8:59:00 | SA | 26.366 | 87.546 | better stepped whistles |
| 10/26/96 | 19:18:00 | ud | 27.366 | 87.911 | echolocation |
| 10/27/96 | 21:43:00 | SB | 28.189 | 88.893 | whistles (is this a different contact from later in this tape?) |
| 10/27/96 | 21:43:45 | SB | 28.189 | 88.893 | whistles |
| 10/27/96 | 21:44:07 | SB | 28.189 | 88.893 | whistles |
| 10/27/96 | 21:44:25 | SB | 28.189 | 88.893 | whistles |
| 10/27/96 | 21:44:42 | SB | 28.189 | 88.893 | whistles |
| 10/27/96 | 21:44:59 | SB | 28.130 | 88.954 | good stepped whistles like steno |
| 10/27/96 | 21:45:29 | SB | 28.130 | 88.954 | faint whistles |
| 10/29/96 | 8:01:00 | TT | 29.224 | 88.165 | echolocation pulses |

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|----------|----------|----|--------|--------|---|
| 10/29/96 | 8:01:00 | TT | 29.224 | 88.165 | good whistles amid loud banging from rig |
| 10/29/96 | 10:35:03 | TT | 29.629 | 88.165 | whistles |
| 10/29/96 | 10:39:42 | TT | 29.643 | 88.167 | whistles |
| 10/29/96 | 10:44:15 | TT | 29.656 | 88.168 | whistles |
| 10/29/96 | 10:44:35 | TT | 29.656 | 88.168 | whistles |
| 10/29/96 | 10:44:55 | TT | 29.656 | 88.168 | whistles |
| 10/29/96 | 10:45:02 | TT | 29.656 | 88.168 | whistles |
| 10/29/96 | 10:45:10 | TT | 29.656 | 88.168 | whistles |
| 10/29/96 | 10:45:25 | TT | 29.656 | 88.168 | whistles |

All Sperm Whale Contacts during the late summer Gyre Cruise (Gyre 96G06)

| Time and Date | Latitude | Longitude | Comments |
|----------------|----------|-----------|--|
| 10/15/96 10:48 | 28.352 | -86.426 | bot off effort with faint pm pulses and animals seen |
| 10/15/96 10:48 | 28.355 | -86.427 | pm pulses faint |
| 10/15/96 10:50 | 28.352 | -86.425 | faint pulsing multiple an.examining tape every 200 revs. |
| 10/15/96 10:51 | 28.352 | -86.425 | faint pulsing multiple an. |
| 10/15/96 10:53 | 28.348 | -86.423 | good but faint single an. pulsing |
| 10/15/96 10:53 | 28.348 | -86.423 | faint pulsing |
| 10/15/96 10:56 | 28.342 | -86.419 | mult. an. pulsing faint |
| 10/15/96 10:59 | 28.339 | -86.417 | faint mult. an. pulsing |
| 10/15/96 11:02 | 28.332 | -86.413 | pulsing fainter than later in recording |
| 10/15/96 11:06 | 28.326 | -86.409 | good mult. an. pulsing |
| 10/15/96 11:09 | 28.322 | -86.407 | 2 or 3 an. with quite diff. pulse config |
| 10/15/96 11:09 | 28.322 | -86.407 | 2 or 3 an pulsing with adcp on |
| 10/15/96 11:12 | 28.316 | -86.402 | good double pulsing |
| 10/15/96 11:16 | 28.309 | -86.399 | 2 or 3 an. pulsing |
| 10/15/96 11:19 | 28.306 | -86.396 | mult. an. |
| 10/15/96 11:20 | 28.302 | -86.394 | mult. an. including low freq. pm pulsing |
| 10/15/96 11:22 | 28.299 | -86.394 | mult an. with adcp on |
| 10/15/96 11:27 | 28.292 | -86.398 | 2 an. with 1 at 2393 hz 2nd broader at 3564 |
| 10/15/96 11:29 | 28.29 | -86.402 | multiple animals pulsing in quiet conditions |
| 10/15/96 11:29 | 28.285 | -86.416 | pm pulsing continues (still off effort) |
| 10/15/96 11:32 | 28.285 | -86.416 | faint pm pulsing on effort |
| 10/15/96 11:32 | 28.286 | -86.412 | faint pm and seismic |
| 10/15/96 11:34 | 28.285 | -86.416 | pm pulsing and seismic |
| 10/15/96 11:35 | 28.285 | -86.416 | pulsing a little louder than next entry |
| 10/15/96 11:35 | 28.285 | -86.416 | faint pulsing |
| 10/15/96 11:36 | 28.284 | -86.421 | faint pm pulses (just before tape gap) |
| 10/15/96 11:37 | 28.284 | -86.421 | faint pm pulses |
| 10/15/96 11:38 | 28.283 | -86.426 | faint pm pulses (?) |
| 10/15/96 11:39 | 28.283 | -86.426 | lf pulse |

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|----------------|--------|---------|---|
| 10/15/96 11:39 | 28.283 | -86.426 | lf pulse |
| 10/15/96 11:40 | 28.282 | -86.431 | lf pulse and tape gap |
| 10/15/96 11:44 | 28.28 | -86.441 | long duration lf signal |
| 10/15/96 11:45 | 28.28 | -86.441 | faint pulsing |
| 10/15/96 11:46 | 28.279 | -86.446 | solitary pulse |
| 10/15/96 12:01 | 28.272 | -86.48 | clicks generated by grnd test |
| 10/15/96 12:08 | 28.268 | -86.499 | faint pm pulsing |
| 10/15/96 12:08 | 28.268 | -86.499 | faint pm pulses |
| 10/15/96 12:25 | 28.26 | -86.539 | faint pm pulsing (?) |
| 10/15/96 12:45 | 28.249 | -86.589 | louder pulses than next notation |
| 10/15/96 12:45 | 28.249 | -86.589 | pm pulsing 20 degrees port (beamforming) |
| 10/15/96 12:46 | 28.248 | -86.594 | faint pm pulsing |
| 10/15/96 12:48 | 28.247 | -86.599 | off effort to see sa |
| 10/15/96 12:56 | 28.254 | -86.618 | good pm pulsing |
| 10/15/96 12:59 | 28.256 | -86.622 | faint pm pulsing (every 200 revs) |
| 10/15/96 13:01 | 28.258 | -86.627 | faint pm pulsing |
| 10/15/96 13:15 | 28.256 | -86.661 | good pm pulse |
| 10/15/96 13:16 | 28.254 | -86.665 | on effort |
| 10/15/96 13:17 | 28.254 | -86.665 | lf pulse and cont. pm pulsing |
| 10/15/96 13:17 | 28.254 | -86.665 | faint pm pulsing |
| 10/15/96 13:18 | 28.253 | -86.67 | pm pulsing |
| 10/15/96 13:19 | 28.253 | -86.67 | good pm pulsing |
| 10/15/96 13:21 | 28.251 | -86.675 | pm pulses with variable frequency |
| 10/15/96 13:21 | 28.251 | -86.675 | Lfow freq. pulse and continued pm pulsing |
| 10/15/96 13:22 | 28.249 | -86.68 | good pm pulsing |
| 10/15/96 13:22 | 28.249 | -86.68 | lf pulse and pm pulsing |
| 10/15/96 13:23 | 28.249 | -86.68 | louder pulsing and lf pulse |
| 10/15/96 13:23 | 28.249 | -86.68 | pm pulses aft of beam |
| 10/15/96 13:23 | 28.249 | -86.68 | faint pm pulsing |
| 10/15/96 13:24 | 28.247 | -86.684 | faint multiple animals pulsing |
| 10/15/96 13:25 | 28.247 | -86.684 | faster pm pulsing |
| 10/15/96 13:26 | 28.245 | -86.689 | pm pulsing |
| 10/15/96 13:27 | 28.245 | -86.689 | faint pm pulsing |
| 10/15/96 13:27 | 28.245 | -86.689 | faint pm pulsing |
| 10/15/96 13:29 | 28.244 | -86.694 | faint pm pulsing end of contact |
| 10/20/96 07:10 | 28.645 | -88.991 | faint pulsing -seismic activity |
| 10/20/96 07:11 | 28.645 | -88.991 | pulsing more regular -still faint |
| 10/20/96 07:12 | 28.645 | -88.991 | faint pulsing -seismic activity ending |
| 10/20/96 07:12 | 28.645 | -88.991 | lot of sperm whales sighted |

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|----------------|--------|---------|--|
| 10/20/96 07:13 | 28.642 | -88.991 | pulsing |
| 10/20/96 07:14 | 28.642 | -88.991 | pulsing |
| 10/20/96 07:15 | 28.639 | -88.991 | multiple animals |
| 10/20/96 07:17 | 28.636 | -88.991 | regular pulsing |
| 10/20/96 07:17 | 28.636 | -88.991 | short periods of fast pulsing (sounds repetitive) |
| 10/20/96 07:18 | 28.636 | -88.991 | very fast pulsing |
| 10/20/96 07:21 | 28.629 | -88.992 | good signal |
| 10/20/96 07:24 | 28.626 | -88.992 | multiple animals |
| 10/20/96 07:25 | 28.623 | -88.992 | pulsing |
| 10/20/96 07:25 | 28.623 | -88.992 | pulsing |
| 10/20/96 07:28 | 28.619 | -88.992 | pulsing |
| 10/20/96 07:29 | 28.616 | -88.993 | pulsing |
| 10/20/96 07:31 | 28.613 | -88.993 | multiple animals |
| 10/20/96 07:32 | 28.613 | -88.993 | good signal -multiple animals |
| 10/20/96 07:32 | 28.613 | -88.993 | regular pulsing |
| 10/20/96 07:34 | 28.61 | -88.993 | regular pulsing |
| 10/20/96 07:35 | 28.606 | -88.993 | one animal clearer than others -still multiple animals |
| 10/20/96 07:38 | 28.603 | -88.994 | " 8-9 animals sighted including mother and calf |
| 10/20/96 07:39 | 28.6 | -88.994 | good signal |
| 10/20/96 07:39 | 28.6 | -88.994 | multiple animals (and cavitation?) |
| 10/20/96 07:41 | 28.597 | -88.994 | good signal |
| 10/20/96 07:43 | 28.593 | -88.995 | still good signal -multiple animals |
| 10/20/96 07:44 | 28.593 | -88.995 | multiple animals |
| 10/20/96 07:44 | 28.593 | -88.995 | pulsing |
| 10/20/96 07:48 | 28.586 | -88.996 | |
| 10/20/96 07:48 | 28.586 | -88.996 | pulsing |
| 10/20/96 07:49 | 28.583 | -88.999 | pulsing |
| 10/20/96 07:51 | 28.585 | -89.004 | fast pulsing (animals or boat noise) |
| 10/20/96 07:54 | 28.589 | -89.006 | pulsing |
| 10/20/96 07:55 | 28.593 | -89.006 | seismic activity stopped |
| 10/20/96 07:56 | 28.593 | -89.006 | multiple animals |
| 10/20/96 07:57 | 28.597 | -89.006 | pulsing |
| 10/20/96 07:57 | 28.597 | -89.006 | faint pulses |
| 10/20/96 07:58 | 28.597 | -89.006 | good signal |
| 10/20/96 07:58 | 28.597 | -89.006 | pulsing |
| 10/20/96 08:00 | 28.6 | -89.006 | multiple animals (one pulsing fast for short durations) |

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|----------------|--------|---------|--|
| 10/20/96 08:00 | 28.6 | -89.006 | pulsing |
| 10/20/96 08:03 | 28.607 | -89.006 | regular pulsing |
| 10/20/96 08:04 | 28.607 | -89.006 | regular pulsing |
| 10/20/96 08:04 | 28.607 | -89.006 | whales are diving (from visual team) |
| 10/20/96 08:05 | 28.61 | -89.006 | good signal -multiple animals |
| 10/20/96 08:07 | 28.613 | -89.006 | regular pulsing |
| 10/20/96 08:08 | 28.613 | -89.006 | good signal -multiple animals |
| 10/22/96 00:31 | 26.02 | -87.628 | faint pulsing-pm or cavitation? |
| 10/22/96 00:44 | 25.998 | -87.608 | "pulses very regular and rhythmic |
| 10/22/96 00:49 | 25.985 | -87.599 | "pulse configuration variable unlike pm pulses |
| 10/22/96 00:52 | 25.981 | -87.596 | signal getting louder |
| 10/22/96 01:09 | 25.943 | -87.581 | continued loud pulsing-cavitation or pm |
| 10/22/96 01:19 | 25.922 | -87.579 | pulsing |
| 10/22/96 01:21 | 25.917 | -87.579 | pulsing loud but irregular |
| 10/22/96 01:23 | 25.913 | -87.578 | faint pulsing-they gradually faded out |
| 10/22/96 01:24 | 25.913 | -87.578 | irregular faint pulsing |
| 10/22/96 01:27 | 25.905 | -87.577 | irregular faint pulsing |
| 10/22/96 01:46 | 25.867 | -87.572 | louder cavitation at 2200 hz at 2.2/sec not pulsed |
| 10/22/96 01:48 | 25.863 | -87.571 | as cavitation gets louder pulsing begins at 2nd harmonic |
| 10/22/96 01:49 | 25.858 | -87.57 | pulsing with cavitation but pulse is not always in same part of cavitation i.e. may not be part of it |
| 10/22/96 01:49 | 25.858 | -87.57 | 3 loud pulses like pm pulses |
| 10/22/96 01:50 | 25.858 | -87.57 | good pulse like pm-wee thinks its pm |
| 10/22/96 01:50 | 25.858 | -87.57 | continued pulsing-ship 3nm strbd |
| 10/22/96 01:56 | 25.845 | -87.567 | good pulse |
| 10/22/96 02:02 | 25.833 | -87.566 | loud pulsing |
| 10/22/96 02:07 | 25.821 | -87.565 | loud pulsing |
| 10/22/96 02:09 | 25.816 | -87.564 | loud pulsing |
| 10/22/96 02:11 | 25.812 | -87.564 | multiple pulsing-probably several animals if pm |
| 10/22/96 02:15 | 25.804 | -87.563 | pulsing louder than at next entry (examining tape starting at end) |
| 10/22/96 02:19 | 25.796 | -87.562 | continued pulsing with cavitation |
| 10/22/96 02:35 | 25.762 | -87.559 | fainter pulses |

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|-----------------|--------|---------|--|
| 10/22/96 02:29 | 25.775 | -87.56 | multiple pulsing with a few good pulses |
| 10/22/96 02:31 | 25.771 | -87.559 | loud good pulse plus cavitation |
| 10/22/96 02:39 | 25.753 | -87.558 | bot with much pulsing |
| 10/22/96 02:39 | 25.753 | -87.558 | good loud pulsing from multiple animals |
| 10/22/96 02:41 | 25.749 | -87.557 | good pulsing from multiple animals |
| 10/22/96 02:44 | 25.745 | -87.557 | good loud pulsing like pm |
| 10/22/96 02:47 | 25.736 | -87.556 | continued pulsing |
| 10/22/96 02:50 | 25.732 | -87.555 | pulsing louder than later but still odd |
| 10/22/96 02:53 | 25.723 | -87.555 | multiple animals |
| 10/22/96 02:55 | 25.719 | -87.554 | continued pulsing (i'm sampling every 200 revs) |
| 10/22/96 03:00 | 25.71 | -87.553 | continued pulsing plus adcp on |
| 10/22/96 06:13 | 25.585 | -87.451 | pulsing 3 hrs after previous recording |
| 10/22/96 06:15 | 25.582 | -87.448 | cavitation not as loud as later but still pm like pulses |
| 10/22/96 06:16 | 25.582 | -87.448 | mixed cavitation and pm like pulses |
| 10/22/96 06:17 | 25.578 | -87.445 | pm like pulse |
| 10/22/96 06:18 | 25.578 | -87.445 | loud pulsing it's configuration unlike pm |
| 10/22/96 06:20 | 25.575 | -87.442 | loud rapid cavitation |
| 10/22/96 06:22 | 25.571 | -87.44 | more rapid pulsing like cavitation |
| 10/22/96 06:23 | 25.567 | -87.439 | irregular pulsing array sensitivity returned to normal |
| 10/22/96 06:25 | 25.563 | -87.439 | pm like pulses |
| 10/22/96 06:26 | 25.563 | -87.439 | cavitation like pulses with some pm like pulses |
| 10/22/96 06:29 | 25.555 | -87.437 | faint cavitation like pulsing |
| 10/22/96 06:36 | 25.542 | -87.435 | faint pulsing like cavitation |
| 10/23/96/ 14:05 | 26.968 | -88.484 | begin contact -adcp is on -faint seismic activity |
| 10/23/96/ 14:09 | 26.975 | -88.488 | pulses start up again (still faint) |
| 10/23/96/ 14:11 | 26.979 | -88.491 | more pulsing (faint and sporadic) |
| 10/23/96/ 14:17 | 26.99 | -88.496 | pulsing becoming more regular |
| 10/23/96/ 14:18 | 26.99 | -88.496 | second animal |
| 10/23/96/ 14:23 | 27 | -88.503 | begin tape 135 -pulsing getting more clear |

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|-----------------|--------|---------|---|
| 10/23/96/ 14:26 | 27.004 | -88.505 | visual contact |
| 10/23/96/ 14:26 | 27.004 | -88.505 | multiple animals |
| 10/23/96/ 14:28 | 27.007 | -88.508 | good signal |
| 10/23/96/ 14:32 | 27.013 | -88.512 | double pulses |
| 10/23/96/ 14:33 | 27.016 | -88.514 | multiple animals -faint |
| 10/23/96/ 14:35 | 27.018 | -88.517 | good signal |
| 10/23/96/ 14:36 | 27.018 | -88.517 | good signal |
| 10/23/96/ 14:38 | 27.021 | -88.519 | pulses becoming faint |
| 10/23/96/ 14:39 | 27.024 | -88.521 | good signal -multiple animals |
| 10/23/96/ 14:40 | 27.024 | -88.521 | pulses growing faint -a lot of cavitation noise |
| 10/23/96/ 14:44 | 27.03 | -88.526 | pulses scarce and faint |
| 10/15/96 17:18 | 28.332 | -86.765 | faint pulsing |
| 10/15/96 17:30 | 28.352 | -86.749 | end of tape |
| 10/24/96 05:43 | 28.197 | -89.336 | pulsing very faint? -adcp on and seismic activity |
| 10/24/96 05:49 | 28.205 | -89.344 | pulsing getting stronger |
| 10/24/96 05:51 | 28.212 | -89.351 | pulsing becoming stronger |
| 10/24/96 05:52 | 28.212 | -89.351 | signal again getting stronger |
| 10/24/96 05:53 | 28.215 | -89.355 | multiple animals |
| 10/24/96 06:10 | 28.246 | -89.386 | rapid 3-pulse groups |
| 10/24/96 06:31 | 28.285 | -89.42 | regular pulsing -one animal |
| 10/24/96 06:41 | 28.311 | -89.437 | pulses and seismic activity |
| 10/24/96 06:42 | 28.305 | -89.433 | faint pulsing |
| 10/24/96 06:47 | 28.313 | -89.438 | faint pulsing |
| 10/24/96 06:55 | 28.33 | -89.441 | multiple animals |
| 10/24/96 06:55 | 28.33 | -89.441 | pulsing |
| 10/24/96 06:57 | 28.333 | -89.44 | pulsing |
| 10/24/96 06:57 | 28.333 | -89.44 | faint pulsing |
| 10/24/96 06:59 | 28.336 | -89.438 | good signal |
| 10/24/96 06:59 | 28.336 | -89.438 | multiple animals |
| 10/24/96 07:00 | 28.341 | -89.44 | good signal |
| 10/24/96 07:01 | 28.345 | -89.441 | "regular pulsing by an animal then small overlap of regular pulsing by two animals, then second animal alone continues pulsing -this cycle continues a few times" |
| 10/24/96 07:06 | 28.354 | -89.445 | "good regular pulsing |
| 10/24/96 07:09 | 28.362 | -89.448 | regular pulsing |
| 10/24/96 07:11 | 28.366 | -89.45 | faint pulsing |
| 10/24/96 07:11 | 28.366 | -89.45 | regular pulsing |
| 10/24/96 07:12 | 28.366 | -89.45 | faint pulsing |
| 10/24/96 07:14 | 28.37 | -89.451 | faint pulsing |

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|----------------|--------|---------|--|
| 10/24/96 07:16 | 28.374 | -89.453 | faint pulsing |
| 10/24/96 07:16 | 28.374 | -89.453 | very fast pulsing |
| 10/24/96 07:16 | 28.374 | -89.453 | very fast pulsing -dolphin click train? |
| 10/24/96 07:17 | 28.374 | -89.453 | pulsing getting louder and more regular |
| 10/24/96 07:18 | 28.378 | -89.455 | regular pulsing |
| 10/24/96 07:18 | 28.378 | -89.455 | multiple animals |
| 10/24/96 07:19 | 28.382 | -89.456 | pulsing -good signal |
| 10/24/96 07:19 | 28.382 | -89.456 | multiple animals |
| 10/24/96 07:21 | 28.386 | -89.458 | good signal |
| 10/24/96 07:22 | 28.386 | -89.458 | good signal |
| 10/24/96 07:23 | 28.39 | -89.46 | multiple animals |
| 10/24/96 07:24 | 28.39 | -89.46 | double pulses |
| 10/24/96 07:24 | 28.39 | -89.46 | good signal |
| 10/24/96 07:26 | 28.394 | -89.461 | pulsing getting fainter |
| 10/24/96 07:26 | 28.394 | -89.461 | good signal |
| 10/24/96 07:26 | 28.394 | -89.461 | good signal |
| 10/24/96 07:28 | 28.398 | -89.463 | good signal |
| 10/24/96 07:29 | 28.402 | -89.464 | pulsing getting fainter and less regular |
| 10/24/96 07:31 | 28.406 | -89.466 | pulsing |
| 10/24/96 07:32 | 28.406 | -89.466 | very faint pulsing |
| 10/24/96 07:32 | 28.411 | -89.468 | faint pulsing |
| 10/24/96 07:33 | 28.41 | -89.468 | faint pulsing |
| 10/24/96 15:24 | 27.788 | 89.336 | bot side b |
| 10/24/96 16:35 | 27.645 | 89.275 | bot |
| 10/24/96 17:23 | 27.549 | 89.224 | eot |
| 10/24/96 19:06 | 27.342 | -89.108 | "faint pulsing -seismic activity -cavitation noise. These pulses are 14.88 nm after last pulsing infrequent pulses |
| 10/24/96 19:14 | 27.325 | -89.098 | pulses getting louder and more frequent |

Acoustic Contacts for All Species during the mid-summer Gyre Cruise (Gyre 97G08).
 Species codes: UD= unidentified dolphin; SA= *Stenella attenuata*, Pantropical spotted dolphin; SF= *S. frontalis*, Atlantic spotted dolphin; SO= *S. coeruleoalba*, Striped dolphin; SY= *S. clymene*, Clymene dolphin; SL= *S. longirostris*, Spinner dolphin; TT= *Tursiops truncatus*, Bottlenose dolphin; SB= *Steno bredanensis*, Rough toothed dolphin; US= unidentified *Stenella*; PM= *Physeter macrocephalus*, Sperm whale.

| Date | Time | Species | Latitude | Longitude | Comments |
|--------|----------|---------|----------|-----------|--|
| 8/6/97 | 9:31:00 | US | 28.032 | -88.857 | "odd upswept signals perhaps artifact" |
| 8/6/97 | 9:31:14 | US | | | "odd upswept signals perhaps artifact" |
| 8/6/97 | 9:51:00 | SL | 28.163 | -88.852 | faint upsweep |
| 8/6/97 | 9:51:33 | SL | | | more whistles |
| 8/6/97 | 9:51:51 | SL | | | stept whiste |
| 8/6/97 | 9:53:02 | SL | 28.161 | -88.852 | good down sweep |
| 8/6/97 | 9:53:26 | SL | | | "see tascam good whistles and pulses" |
| 8/6/97 | 9:55:26 | SL | 28.157 | -88.851 | continued good whistles |
| 8/6/97 | 9:55:31 | SL | | | good cc whistle |
| 8/6/97 | 9:57:05 | SL | 28.154 | -88.850 | whistles stop |
| 8/6/97 | 9:59:25 | SL | 28.150 | -88.850 | good upsweeps |
| 8/6/97 | 10:01:43 | SL | 28.147 | -88.849 | odd bird-like whistles |
| 8/6/97 | 12:56:00 | PM | 27.798 | -88.730 | faint pm pulses |
| 8/6/97 | 12:56:56 | PM | | | off effort |
| 8/6/97 | 13:07:33 | PM | | | faint pm pulses |
| 8/6/97 | 13:09:01 | PM | 27.790 | -88.705 | pm pulses with ratchet sounds |
| 8/6/97 | 13:10:00 | PM | 27.787 | -88.697 | pm pulses getting louder |
| 8/6/97 | 13:10:33 | PM | | | louder ratchet |
| 8/6/97 | 13:10:54 | PM | | | louder pulses |
| 8/6/97 | 13:11:50 | PM | | | seems to be one animal |
| 8/6/97 | 13:14:27 | PM | 27.785 | -88.689 | multiple animals |
| 8/6/97 | 13:15:31 | PM | | | 5 pulse rapid coda? |
| 8/6/97 | 13:17:11 | PM | | | several diff. ratchet signals |
| 8/6/97 | 13:19:17 | PM | 27.783 | -88.681 | multiple animals |
| 8/6/97 | 13:20:16 | PM | 27.780 | -88.677 | on effort |
| 8/6/97 | 13:21:19 | PM | 27.776 | -88.675 | normal and ratchet signals |

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|--------|----------|----|--------|---------|---|
| 8/6/97 | 13:21:19 | PM | 27.776 | -88.675 | normal and ratchet signals |
| 8/6/97 | 13:24:00 | PM | 27.773 | -88.673 | many (>>5) pulse ratchet five times |
| 8/6/97 | 13:25:43 | PM | 27.769 | -88.671 | ratchet sounds (ratchet sounds may be codas but they sound too fast) |
| 8/6/97 | 13:31:00 | PM | 27.760 | -88.666 | "swept signal-sonar or ?? check low frequency not heard before" |
| 8/6/97 | 13:32:00 | PM | 27.756 | -88.653 | more pm pulsing along with sonar like swept frequency |
| 8/6/97 | 13:33:00 | US | 27.753 | -88.663 | "stenella sp. seen"whistles |
| 8/6/97 | 13:33:13 | US | | | more whistles |
| 8/6/97 | 13:35:05 | PM | 27.749 | -88.661 | pm pulsing |
| 8/6/97 | 13:35:10 | US | | | good whistles |
| 8/6/97 | 13:35:42 | US | 27.749 | -88.661 | good whistles |
| 8/6/97 | 13:36:42 | PM | | | pm pulsing |
| 8/6/97 | 13:39:59 | PM | 27.741 | -88.657 | good solitary pulses |
| 8/6/97 | 13:42:05 | PM | 27.737 | -88.655 | loud solitary pulses |
| 8/6/97 | 13:44:50 | PM | 27.733 | -88.653 | pulses |
| 8/6/97 | 13:50:16 | PM | 27.722 | -88.648 | faint pm pulsing |
| 8/6/97 | 13:51:00 | PM | 27.716 | -88.645 | faint pm pulsing |
| 8/6/97 | 14:02:00 | PM | 27.697 | -88.635 | pm pulsing |
| 8/6/97 | 14:03:34 | PM | 27.694 | -88.635 | louder pulses |
| 8/6/97 | 14:05:00 | PM | 27.690 | -88.633 | good recording |
| 8/6/97 | 14:05:17 | PM | | | "multiple animals ship cavitation pulsing will make it difficult to beamform this data" |
| 8/6/97 | 14:08:21 | PM | 27.686 | -88.631 | good pulsing |
| 8/6/97 | 14:09:24 | PM | 27.682 | -88.629 | pulsing not as loud |
| 8/6/97 | 14:15:00 | | 27.670 | -88.623 | off effort |
| 8/6/97 | 14:18:16 | PM | 27.667 | -88.622 | pm pulses |
| 8/6/97 | 14:19:40 | PM | 27.663 | -88.619 | louder pulses |
| 8/6/97 | 14:21:36 | PM | 27.661 | -88.614 | multiple animals |
| 8/6/97 | 14:27:00 | PM | 27.652 | -88.598 | good signals-2 animals? |
| 8/6/97 | 14:27:14 | SB | 27.652 | -88.598 | whistle |

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|--------|----------|----|--------|---------|--|
| 8/6/97 | 14:27:35 | SB | 27.649 | -88.569 | both whistles and pm pulsing |
| 8/6/97 | 14:29:00 | SB | 27.652 | -89.473 | good whistles |
| 8/6/97 | 14:29:25 | SB | | | multiple sb whistles and pm pulsing |
| 8/6/97 | 14:29:54 | SB | 27.652 | -88.593 | good sb whistles |
| 8/6/97 | 14:31:50 | SB | 27.651 | -88.587 | fair sb low freq. whistles |
| 8/6/97 | 14:32:20 | SB | | | sb pulsing |
| 8/6/97 | 14:33:37 | PM | 27.651 | -88.587 | pm pulses |
| 8/6/97 | 14:34:50 | SB | 27.651 | -88.581 | faint whistles |
| 8/6/97 | | SB | 27.648 | -88.568 | on effort |
| 8/6/97 | 14:37:21 | SB | 27.649 | -88.569 | pulse assoc.with pdr |
| 8/7/97 | 16:20:00 | SA | 26.893 | -88.132 | faint whistles |
| 8/7/97 | 16:42:00 | UD | 26.938 | -88.128 | faint whistles amid much static |
| 8/7/97 | 16:58:00 | UD | 26.977 | -88.125 | faint whistles-sb?? |
| 8/7/97 | 17:05:00 | UD | 26.990 | -88.123 | faint whistles |
| 8/7/97 | 17:09:00 | UD | 26.996 | -88.124 | faint whistles like rev 479 and 571 |
| 8/7/97 | 17:09:39 | UD | | | better whistles |
| 8/7/97 | 17:10:53 | UD | 27.001 | -88.123 | faint whistles |
| 8/7/97 | 17:12:03 | UD | 27.005 | -88.122 | faint whistles |
| 8/8/97 | 13:00:00 | SA | 28.793 | -88.019 | faint whistle |
| 8/8/97 | 13:00:19 | SA | 28.792 | -88.021 | faint whistle |
| 8/8/97 | 13:00:56 | SA | | | faint whistle |
| 8/8/97 | 13:01:19 | SA | | | faint whistle |
| 8/8/97 | 13:01:42 | SA | 28.792 | -88.021 | little louder whistle |
| 8/8/97 | 17:23:00 | SA | 29.065 | -87.970 | whistles amid static |
| 8/8/97 | 17:25:09 | SA | 29.066 | -87.969 | faint whistles and pulses amid static |
| 8/8/97 | 17:26:09 | SA | 29.070 | -87.971 | better whistles |
| 8/8/97 | 18:07:00 | SA | 28.995 | -87.938 | pulses and whistles |
| 8/8/97 | 18:08:06 | SA | 29.062 | -87.968 | echolocation |
| 8/9/97 | 6:29:00 | SA | 28.273 | -87.578 | fair whistles |
| 8/9/97 | 6:29:09 | SA | | | stepped whistles |
| 8/9/97 | 6:29:45 | SA | 28.994 | -87.938 | stepped whistles |
| 8/9/97 | 6:29:54 | PM | 28.273 | -87.575 | pm pulses |
| 8/9/97 | 6:30:07 | PM | 28.273 | -87.575 | off effort |
| 8/9/97 | 6:30:25 | PM | | | "boat slows and is quiet good pm pulses" |
| 8/9/97 | 6:31:02 | SA | | | whistles |
| 8/9/97 | 6:31:20 | PM | | | pm pulses |

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|---------|----------|----|--------|---------|------------------------------------|
| 8/9/97 | 6:31:52 | PM | 28.270 | -87.577 | good pulses |
| 8/9/97 | 6:33:29 | PM | 28.272 | -87.576 | good pulses single animal |
| 8/9/97 | 6:33:00 | SA | 28.273 | -87.575 | whistle |
| 8/9/97 | 6:34:06 | PM | 28.267 | -87.577 | good pulses |
| 8/9/97 | 6:38:09 | PM | 28.261 | -87.577 | faint pulses |
| 8/9/97 | 6:41:36 | PM | 28.258 | -87.576 | "faint pulses ship slowed" |
| 8/9/97 | 6:44:00 | PM | 28.253 | -87.575 | "on effort ship speeds up" |
| 8/9/97 | 6:47:47 | PM | 28.250 | -87.574 | pm pulsing |
| 8/9/97 | 6:50:32 | PM | 28.242 | -87.571 | faint pulses |
| 8/9/97 | 6:51:00 | PM | 28.267 | -87.577 | louder pulses |
| 8/9/97 | 6:51:31 | PM | 28.237 | -87.568 | louder pulses |
| 8/9/97 | 6:54:02 | PM | 28.233 | -87.567 | solitary pulses |
| 8/9/97 | 6:55:10 | PM | 28.229 | -87.564 | faint pulses |
| 8/9/97 | 6:57:09 | PM | 28.225 | -87.562 | faint pulses |
| 8/9/97 | 7:01:23 | PM | 28.217 | -87.557 | faint pulsing |
| 8/9/97 | 8:06:31 | SA | 28.078 | -87.492 | faint echolocation |
| 8/9/97 | 8:06:40 | SA | | | faint whistle |
| 8/9/97 | 8:07:00 | SA | 28.078 | -87.490 | faint echolocation |
| 8/9/97 | 8:07:38 | SA | 28.074 | -87.489 | faint whistles |
| 8/10/97 | 1:53:00 | UD | 27.021 | -86.784 | whistles |
| 8/10/97 | 1:53:19 | UD | | | whistles |
| 8/10/97 | 3:43:16 | UD | 27.218 | -86.800 | echolocation |
| 8/10/97 | 3:43:28 | UD | | | echolocation |
| 8/10/97 | 3:44:09 | UD | 28.074 | -87.489 | burst pulses-sounds like sa |
| 8/10/97 | 3:44:46 | UD | | | echolocation |
| 8/10/97 | 3:45:41 | UD | 27.221 | -86.800 | more faint echolocation |
| 8/10/97 | 3:45:49 | UD | 28.009 | -87.470 | louder echolocation |
| 8/10/97 | 3:46:10 | UD | 28.005 | -87.468 | good echolocation |
| 8/10/97 | 3:46:36 | UD | 27.225 | -86.800 | echolocation and faint burst pulse |
| 8/10/97 | 8:15:49 | PM | 27.697 | -86.865 | very faint pm pulses |
| 8/10/97 | 10:20:31 | SA | 27.949 | -86.883 | whistles |
| 8/10/97 | 10:21:40 | SA | 27.953 | -86.882 | pulsing |
| 8/10/97 | 10:22:15 | SA | 27.958 | -86.880 | loud pulsing and whistles |
| 8/10/97 | 10:33:00 | PM | 27.977 | -86.880 | faint pm pulsing |

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|---------|----------|------------|--------|---------|---------------------------------------|
| 8/10/97 | 10:34:28 | PM | 27.980 | -86.868 | faint pulsing |
| 8/10/97 | 10:37:00 | PM | 27.985 | -86.857 | louder pulsing |
| 8/10/97 | | G2C4038C-B | | | on effort |
| 8/10/97 | 10:43:04 | PM | 27.992 | -86.855 | louder pulsing |
| 8/10/97 | 14:29:00 | SA | 28.343 | -86.875 | very faint whistles |
| 8/10/97 | 14:29:25 | SA | | | "stronger more frequent whistles" |
| 8/10/97 | 14:30:05 | SA | 28.351 | -86.876 | very good whistles and clicks |
| 8/10/97 | 14:33:00 | SA | 28.355 | -86.876 | faint whistles |
| 8/10/97 | 15:00:00 | SA | 28.405 | -86.852 | pulses and whistles |
| 8/10/97 | 15:00:41 | SA | | | good whistles and pulses |
| 8/10/97 | 15:01:12 | SA | | | good whistles and pulses |
| 8/10/97 | 15:04:00 | SA | | | whistles |
| 8/10/97 | 15:04:00 | SA | 28.412 | -86.845 | many animals whistling and pulsing |
| 8/10/97 | 15:04:57 | SA | 28.412 | -86.845 | good stereo signals |
| 8/10/97 | 15:09:00 | PM | 28.422 | -86.842 | faint pm pulsing |
| 8/10/97 | 15:09:35 | PM | | | faint pulsing-3 animals seen |
| 8/10/97 | 15:10:19 | PM | | | pm pulsing |
| 8/10/97 | 15:11:26 | PM | 28.426 | -86.842 | multiple an. pulsing |
| 8/10/97 | 15:12:38 | PM | | | pm pulsing |
| 8/10/97 | 15:13:47 | PM | 28.430 | -86.842 | good pulsing |
| 8/10/97 | 15:15:53 | PM | 28.435 | -86.842 | faint pulsing |
| 8/10/97 | 15:16:21 | PM | 28.439 | -86.842 | multiple animals |
| 8/10/97 | 15:20:09 | PM | 28.443 | -86.848 | faint pulsing |
| 8/10/97 | 15:20:53 | PM | | | pulsing |
| 8/10/97 | 15:26:00 | PM | 28.433 | -86.850 | better pulsing |
| 8/10/97 | 15:27:37 | PM | | | multiple animals pulsing |
| 8/10/97 | 15:29:09 | PM | 28.433 | -86.849 | good pulsing |
| 8/10/97 | 15:30:17 | PM | 28.429 | -86.847 | fainter pulsing |
| 8/10/97 | 15:31:31 | PM | | | better pulsing |
| 8/10/97 | 15:31:53 | PM | 28.421 | -86.842 | pulsing including lower freq. pulsing |
| 8/10/97 | 17:35:00 | SA | 28.508 | -86.852 | faint whistles |

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|---------|----------|----------------|--------|---------|---|
| 8/10/97 | 17:35:30 | SA | | | whistles get louder and more frequent |
| 8/10/97 | 17:39:00 | SA | 28.500 | -86.850 | whistling becomes frequent again |
| 8/11/97 | 10:41:00 | PM | 28.128 | -87.183 | very faint pm pulsing |
| 8/11/97 | 11:01:00 | PM | 28.082 | -87.190 | very faint pulsing |
| 8/11/97 | 11:09:00 | PM | 28.063 | -87.193 | better pulses but may be pdr echo |
| 8/11/97 | 11:41:00 | PM | 27.987 | -87.208 | very faint pulses but again may be pdr echoes tho we're in deep water |
| 8/11/97 | 12:27:00 | UD | 27.873 | -87.223 | dolphin whistles among artifact whistles |
| 8/11/97 | 22:48:00 | UD | 27.028 | -87.365 | pulse train |
| 8/11/97 | 22:48:50 | UD | 27.028 | -87.365 | faint whistles |
| 8/12/97 | 6:57:00 | G2C40 53C-A | 27.060 | -87.530 | bot |
| 8/12/97 | 7:25:00 | SA | 27.100 | -87.553 | clicks and whistles begin |
| 8/12/97 | 21:24:00 | PC | 28.443 | -88.343 | faint whistles along with hammering from oil rig |
| 8/12/97 | 21:24:15 | PC | | | better whistle |
| 8/12/97 | 21:28:16 | PC | 28.451 | -88.349 | faint whistles |
| 8/12/97 | 21:29:35 | PC | | | faint whistles |
| 8/12/97 | 21:30:00 | PC | 28.433 | -88.333 | better whistles |
| 8/12/97 | 21:31:05 | PC | | | better whistles |
| 8/12/97 | 21:31:50 | PC | | | good whistles |
| 8/12/97 | 21:32:27 | PC | 28.458 | -88.355 | good whistles with multiple an. vocalizing |
| 8/12/97 | 21:33:21 | PC | | | good whistles |
| 8/12/97 | 21:34:25 | PC | 28.462 | -88.358 | faint whistles |
| 8/12/97 | 21:34:55 | PC | | | good whistles |
| 8/12/97 | 21:35:56 | PC | 28.466 | -88.361 | whistles from at least 2 an. |
| 8/12/97 | 21:38:13 | PC | 28.470 | -88.364 | faint whistles |
| 8/12/97 | 21:39:44 | PC | | | cont. faint whistles tho rarely many animals |

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|---------|----------|----|--------|---------|--|
| 8/12/97 | 21:40:34 | PC | 28.474 | -88.367 | good whistle |
| 8/12/97 | 21:42:17 | PC | 28.478 | -88.369 | 2 good whistles |
| 8/12/97 | 21:46:52 | PC | 28.482 | -88.372 | faint whistle |
| 8/12/97 | 22:03:00 | PC | 28.513 | -88.407 | good whistle |
| 8/12/97 | 22:04:22 | PC | 28.526 | -88.404 | faint whistle |
| 8/12/97 | 22:08:00 | PC | 28.528 | -88.407 | echolocation pulses |
| 8/12/97 | 22:09:23 | PC | 28.534 | -88.410 | echolocation pulses |
| | | | | | |
| 8/13/97 | 2:38:00 | UD | 28.947 | -88.480 | echolocation pulses |
| 8/13/97 | 2:39:46 | UD | 28.950 | -88.480 | echolocation pulse trains |
| | | | | | |
| 8/14/97 | 10:44:00 | TT | 29.498 | -87.815 | faint whistle |
| 8/14/97 | 10:44:10 | TT | | | faint whistles |
| 8/14/97 | 10:44:20 | TT | | | faint whistles |
| 8/14/97 | 10:44:25 | TT | | | better whistles |
| 8/14/97 | 10:44:30 | TT | | | faint whistles |
| 8/14/97 | 10:44:35 | TT | | | faint whistles |
| 8/14/97 | 10:45:06 | TT | 29.496 | -87.817 | faint whistles |
| 8/14/97 | 10:50:18 | TT | 29.487 | -87.818 | faint whistles |
| 8/14/97 | 10:51:00 | TT | 29.483 | -87.818 | faint whistles |
| 8/14/97 | 11:28:00 | TT | 29.402 | -87.821 | very faint whistle |
| 8/14/97 | 15:05:33 | SA | 28.964 | -87.883 | faint whistles |
| 8/14/97 | 15:06:02 | SA | | | faint whistles |
| 8/14/97 | 15:06:13 | SA | | | faint whistles |
| 8/14/97 | 15:06:23 | SA | | | faint whistles |
| 8/14/97 | 15:06:29 | SA | 28.968 | -87.886 | better whistles |
| 8/14/97 | 15:06:34 | SA | | | faint whistles |
| 8/14/97 | 15:06:42 | SA | | | better whistles |
| 8/14/97 | 15:06:45 | SA | | | better whistles |
| 8/14/97 | 15:06:56 | SA | | | faint whistles with echolocation thru 99 |
| 8/14/97 | 15:07:18 | SA | | | good whistles with echolocation thru 125 |
| 8/14/97 | 15:07:27 | SA | | | good whistles |
| 8/14/97 | 15:07:46 | SA | | | good whistles |
| 8/14/97 | 15:08:06 | SA | | | very good whistles |
| 8/14/97 | 15:08:12 | SA | | | very good whistles |
| 8/14/97 | 15:08:29 | SA | 28.972 | -87.889 | very good whistles |
| 8/14/97 | 15:08:32 | SA | | | whistles thru 155 |
| 8/14/97 | 15:08:55 | SA | | | burst pulses |
| 8/14/97 | 15:09:27 | SA | | | whistles & continuous echol. |

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|---------|----------|----|--------|---------|---|
| 8/14/97 | 15:10:12 | SA | | | good echol. |
| 8/14/97 | 15:10:34 | SA | 28.975 | -87.892 | upsweeps |
| 8/14/97 | 15:10:46 | SA | | | downsweeps |
| 8/14/97 | 15:11:14 | SA | 28.975 | -87.896 | "ship turning few signals" |
| 8/14/97 | 15:15:49 | SA | | | faint whistle |
| 8/14/97 | 15:16:34 | SA | 28.967 | -87.896 | whistles |
| 8/14/97 | 15:16:59 | SA | | | whistles and no echol |
| 8/14/97 | 15:17:59 | SA | | | good whistles |
| 8/14/97 | 15:18:35 | SA | 28.963 | -87.893 | multiple upsweeps |
| 8/14/97 | 15:20:45 | SA | 28.960 | -87.891 | echol. and whistles |
| 8/14/97 | 15:21:00 | SA | 28.956 | -87.889 | whistles |
| 8/15/97 | 4:50:00 | UD | 29.226 | -87.424 | echolocation trains |
| 8/15/97 | 4:54:00 | UD | 29.235 | -87.418 | loud echolocation |
| 8/15/97 | 7:57:03 | SL | 29.573 | -87.180 | faint whistes |
| 8/15/97 | 7:58:00 | SL | 29.573 | -87.180 | alot of whistes |
| 8/15/97 | 7:58:29 | SL | | | strong loud whistes |
| 8/15/97 | 7:58:48 | SL | | | strong loud whistles cont. |
| 8/15/97 | 7:59:42 | SL | | | whistles |
| 8/15/97 | 8:05:13 | SL | 29.568 | -87.174 | faint whistles |
| 8/15/97 | 8:15:00 | SL | 29.582 | -87.181 | faint whistles |
| 8/15/97 | 8:18:02 | SL | 29.586 | -87.179 | whistle |
| 8/15/97 | 8:19:28 | SL | 29.590 | -87.177 | whistles |
| 8/15/97 | 8:21:00 | SL | 29.594 | -87.175 | faint whistles |
| 8/15/97 | 11:20:00 | SF | 29.957 | -87.052 | good whistle with animals on the bow |
| 8/15/97 | 11:20:13 | SF | | | good whistles |
| 8/15/97 | 11:20:29 | SF | | | good whistles |
| 8/17/97 | 6:49:00 | SA | 28.490 | -86.670 | faint whistle |
| 8/17/97 | 6:49:09 | SA | | | echol and whistles |
| 8/17/97 | 6:49:24 | SA | | | whistles |
| 8/17/97 | 7:43:00 | UD | 28.400 | -86.663 | whistles |
| 8/17/97 | 7:43:30 | UD | | | upsweep whistles |
| 8/17/97 | 7:44:21 | UD | | | whistles |
| 8/17/97 | 9:54:00 | SO | 28.190 | -86.662 | good whistles |
| 8/17/97 | 9:54:10 | SO | | | good whistles |
| 8/17/97 | 9:54:18 | SO | | | good whistles |
| 8/17/97 | 9:54:23 | SO | | | whistle |

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|---------|----------|----|--------|---------|--|
| 8/17/97 | 11:51:00 | PM | 28.136 | -86.599 | "pm pulses-*note off effort because between legs started leg at rev 688" |
| 8/17/97 | 11:51:35 | PM | | | louder pulses |
| 8/17/97 | 12:03:00 | PM | 28.116 | -86.578 | very faint pulses |
| 8/17/97 | 12:25:00 | PM | 28.076 | -86.544 | louder pm pulsing |
| 8/17/97 | 12:29:20 | PM | 28.081 | -86.538 | rapid pulsing |
| 8/17/97 | 12:30:00 | PM | 28.082 | -86.537 | good long duration rapid pulsing |
| 8/17/97 | 12:30:53 | PM | | | good long duraiton pulsing |
| 8/17/97 | 12:31:25 | PM | 28.085 | -86.535 | more long dur. fast pulsing (fp) |
| 8/17/97 | 12:31:40 | PM | | | still more fp |
| 8/17/97 | 12:33:00 | PM | | | good long fp-22 pulses |
| 8/17/97 | 12:33:05 | PM | 28.088 | -86.533 | 6 pulse coda-5 animals sighted in 3 sightings |
| 8/17/97 | 12:33:07 | PM | | | 22? pulse fp |
| 8/17/97 | 12:33:12 | PM | | | "6 pulse coda overlaid on fp i.e. multiple animals" |
| 8/17/97 | 12:34:00 | PM | | | perhaps low freq |
| 8/17/97 | 12:35:45 | PM | 28.092 | -86.530 | possible pulses |
| 8/17/97 | 12:56:00 | PM | 28.122 | -86.508 | long rapid pulse |
| 8/18/97 | 17:25:00 | SA | 27.693 | -85.635 | good whistle |
| 8/18/97 | 17:25:15 | SA | 27.693 | -85.635 | faint whistles |
| 8/18/97 | 17:25:20 | SA | 27.693 | -85.635 | very faint whistle |
| 8/18/97 | 19:10:00 | SA | 27.737 | -85.445 | faint whistles |
| 8/18/97 | 19:10:12 | SA | 27.737 | -85.445 | faint whistles |
| 8/18/97 | 19:28:00 | SA | 27.735 | -85.400 | faint whistle |
| 8/18/97 | 19:28:30 | SA | 27.735 | -85.400 | very faint whistle |
| 8/18/97 | 19:29:27 | SA | | | very faint whistle |
| 8/18/97 | 19:30:00 | SA | | | very faint whistle |
| 8/18/97 | 19:30:27 | SA | 27.734 | -85.396 | very faint whistle |
| 8/18/97 | 23:29:00 | UD | 28.085 | -84.959 | "faint whistle-seen at bow & described as ""big guys"". Sound like pc to me" |
| 8/19/97 | 5:34:00 | UD | 27.823 | -84.855 | faint cc whistle |
| 8/19/97 | 9:30:00 | SA | 27.517 | -85.220 | faint whistle |
| 8/19/97 | 9:30:13 | SA | | | faint whistle |
| 8/19/97 | 10:17:00 | SA | 27.432 | -85.259 | good whistles |

| | | | | | |
|---------|----------|----|--------|---------|---|
| 8/19/97 | 10:18:00 | SA | | | faint whistle |
| 8/19/97 | 10:32:00 | SA | 27.434 | -85.299 | faint whistle |
| 8/19/97 | 17:57:00 | SA | 27.432 | -86.180 | good whistles |
| 8/19/97 | 17:58:15 | SA | | | good whistles |
| 8/19/97 | 18:08:00 | SA | 27.447 | -86.222 | faint whistle |
| 8/19/97 | 18:38:21 | SA | 27.479 | -86.234 | faint whistle |
| 8/20/97 | 3:17:00 | PC | 27.448 | -87.018 | faint whistles |
| 8/20/97 | 3:17:36 | PC | | | |
| 8/20/97 | 3:17:54 | PC | | | |
| 8/20/97 | 3:18:16 | PC | 27.445 | -87.015 | cf whistle |
| 8/20/97 | 3:18:27 | PC | | | ld whistle |
| 8/20/97 | 3:18:34 | PC | | | four whistles |
| 8/20/97 | 3:19:08 | PC | | | two whistles then series of 3 chirps |
| 8/20/97 | 3:19:19 | PC | | | two series of 4 then 3 chirps |
| 8/20/97 | 3:19:56 | PC | | | 3 ld whistles |
| 8/20/97 | 3:20:04 | PC | 27.446 | -87.015 | "1 cf whistle similar to beginning whiste at 317" |
| 8/20/97 | 9:46:00 | UD | 27.482 | -87.185 | faint whistle |
| 8/20/97 | 21:16:00 | PM | 28.285 | -88.120 | faint pm pulsing-boat slowed to 3 knots to better hear animals (off effort) |
| 8/20/97 | 21:16:00 | PM | | | faint pm pulsing |
| 8/20/97 | 21:16:44 | PM | | | "louder pm pulsing animals in front of ship" |
| 8/20/97 | 21:19:23 | PM | | | continued faint pulsing |
| 8/20/97 | 21:42:00 | UD | 28.325 | -88.167 | brief faint whistle |
| 8/21/97 | 11:54:00 | PM | 28.283 | -88.918 | faint pm pulsing |
| 8/21/97 | 11:55:07 | PM | | | faint pulsing even tho vessel is coasting |
| 8/21/97 | 11:59:47 | PM | | | faint pulsing even tho animals <.5 miles away |
| 8/21/97 | 12:01:10 | PM | | | very faint |
| 8/21/97 | 12:04:25 | PM | | | faint pulses |

V. CETACEAN HABITAT

Cetacean sightings, with time and position, matched with the environmental and oceanographic variables used to analyze habitat associations for the GulfCet II *Gyre* cruises (see Chapter 6, Sections 6.2.5.2, 6.3.3, 6.2.5.3). The variables given in the columns of the table are briefly described below, and references are given to the section of the report that explains them in more detail.

Survey: Indicates the GulfCet II cruise, late summer Gyre 96G06 (October 1996) or mid-summer Gyre 97G08 (August 1997)

Julian Day, Latitude, Longitude: date/time and position information for each sighting

Depth: water depth, m

Depth Gradient: rate of change of water depth, m km⁻¹

Mixed layer depth: depth of mixed layer, m (see Chapter 2, Section 2.2.1)

Depth 19 C: depth of 19°C isotherm, m (see Chapter 2, Section 2.2.1)

Depth 15 C: depth of 15°C isotherm, m (see Chapter 2, Section 2.2.1)

Dynamic Height: dynamic sea surface topography determined from hydrographic data, dynamic cm (see Chapter 2, Section 2.2.1)

Dynamic Height Anomaly: dynamic sea surface topography anomaly determined from hydrographic data, dynamic cm (see Chapter 2, Section 2.2.1)

PMB50: acoustically predicted mean zooplankton and micronekton biomass in the depth interval 10 – 50 m, cc m⁻² (see Chapter 3, Section 3.2.5)

SST: sea surface temperature, °C (see Chapter 2, Section 2.2.3)

SSS: sea surface salinity, PSU (see Chapter 2, Section 2.2.3)

CHL: sea surface chlorophyll, µg l⁻¹ (see Chapter 2, Section 2.2.3)

Species: cetacean species sighted (see Chapter 4, Section 4.3)

| Survey | Julian Day | Latitude | Longitude | Depth | Depth Gradient | Mixed layer depth | Depth 19 C | Depth 15 C | Dynamic Height | Dynamic Height Anomaly | PMBS0 | SST | SSS | CHL | Species |
|-------------|------------|----------|-----------|-------|----------------|-------------------|------------|------------|----------------|------------------------|-------|-------|-------|------|---|
| Gyre 96/G06 | 285.89 | 28.035 | -87.813 | 2396 | 8.30 | 25 | 68 | 147 | 91.2 | -8.8 | 0.53 | 26.31 | 35.38 | 0.20 | Unidentified dolphin |
| Gyre 96/G06 | 288.51 | 27.964 | -84.920 | 228 | 3.69 | 52 | 106 | 172 | 0.0 | 0.0 | 1.17 | 26.45 | 36.12 | 0.20 | Tursiops truncatus |
| Gyre 96/G06 | 289.65 | 28.367 | -86.433 | 641 | 13.71 | 52 | 90 | 174 | 0.0 | 0.0 | 0.52 | 26.15 | 36.01 | 0.22 | Physcus macrocephalus |
| Gyre 96/G06 | 289.72 | 28.262 | -86.537 | 851 | 21.98 | 43 | 94 | 167 | 100.8 | 0.8 | 0.69 | 26.06 | 35.70 | 0.23 | Unidentified odontocete |
| Gyre 96/G06 | 289.74 | 28.249 | -86.589 | 853 | 53.13 | 43 | 94 | 167 | 100.8 | 0.8 | 0.72 | 26.03 | 35.52 | 0.23 | Stenella attenuata |
| Gyre 96/G06 | 291.59 | 28.564 | -87.339 | 1262 | 29.78 | 40 | 80 | 146 | 98.7 | -1.3 | 0.63 | 26.12 | N/A | 0.17 | Ziphiidae fm. |
| Gyre 96/G06 | 291.61 | 28.606 | -87.364 | 1262 | 26.77 | 46 | 86 | 152 | 100.8 | 0.8 | 0.69 | 26.29 | 36.00 | 0.18 | Unidentified cetacean |
| Gyre 96/G06 | 291.84 | 27.867 | -87.404 | 2961 | 4.65 | 39 | 82 | 149 | 91.8 | -8.2 | 1.04 | 26.52 | 35.76 | 0.21 | Kogia sp. |
| Gyre 96/G06 | 292.56 | 29.201 | -88.180 | 412 | 32.59 | 61 | 105 | 227 | N/A | N/A | 0.89 | 25.89 | 35.77 | 0.17 | Tursiops truncatus |
| Gyre 96/G06 | 294.50 | 28.664 | -88.990 | 2153 | 29.31 | 50 | 97 | 184 | N/A | N/A | 0.87 | 25.62 | 35.90 | 0.11 | Physcus macrocephalus |
| Gyre 96/G06 | 294.91 | 28.676 | -88.723 | 1181 | 22.69 | 50 | 103 | 181 | 104.4 | 4.4 | 0.69 | 25.60 | 35.83 | 0.12 | Stenella longirostris |
| Gyre 96/G06 | 295.51 | 27.717 | -88.418 | 2391 | 14.87 | 35 | 80 | 136 | 91.1 | -8.9 | 0.69 | 25.87 | 35.94 | 0.14 | Physcus macrocephalus |
| Gyre 96/G06 | 295.52 | 27.703 | -88.410 | 2391 | 11.82 | 35 | 80 | 136 | 91.1 | -8.9 | 0.67 | 25.82 | 35.90 | 0.14 | Physcus macrocephalus |
| Gyre 96/G06 | 295.52 | 27.689 | -88.402 | 2391 | 11.82 | 35 | 80 | 136 | 91.1 | -8.9 | 0.66 | 25.82 | 35.88 | 0.14 | Physcus macrocephalus |
| Gyre 96/G06 | 295.53 | 27.665 | -88.390 | 2391 | 15.15 | 35 | 80 | 136 | 91.1 | -8.9 | 0.71 | 25.82 | 35.88 | 0.14 | Physcus macrocephalus |
| Gyre 96/G06 | 295.88 | 26.862 | -87.925 | 2799 | 2.24 | 42 | 93 | 175 | 98.7 | -1.3 | 0.82 | 25.68 | 35.79 | 0.16 | Stenella corniculata |
| Gyre 96/G06 | 296.57 | 25.254 | -87.398 | 3330 | 6.16 | 54 | 252 | 395 | 146.1 | 46.1 | 0.28 | 27.56 | 36.33 | 0.09 | Stenella attenuata |
| Gyre 96/G06 | 298.51 | 28.367 | -88.450 | 1767 | 13.22 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | Physcus macrocephalus |
| Gyre 96/G06 | 298.80 | 27.878 | -89.282 | 1394 | 5.85 | 46 | 72 | 176 | N/A | -0.5 | 0.91 | 25.53 | 35.89 | 0.11 | Stenella corniculata |
| Gyre 96/G06 | 300.50 | 26.102 | -87.438 | 3095 | 3.67 | 64 | 140 | 208 | 113.6 | 13.6 | 0.78 | 27.51 | 36.20 | 0.10 | Stenella clymene |
| Gyre 96/G06 | 300.58 | 26.358 | -87.543 | 2995 | 4.81 | 57 | 124 | 195 | 104.5 | 4.5 | 0.63 | 27.08 | 36.24 | 0.10 | Stenella attenuata |
| Gyre 96/G06 | 302.58 | 28.070 | -89.127 | 207 | 11.84 | 41 | 82 | 172 | 92.2 | -2.8 | 1.23 | 25.88 | 35.79 | 0.10 | Physcus macrocephalus |
| Gyre 96/G06 | 302.82 | 28.027 | -89.207 | 1205 | 13.93 | 45 | 96 | 168 | 100.3 | 0.3 | 1.17 | 26.22 | 35.76 | 0.10 | Physcus macrocephalus |
| Gyre 96/G06 | 302.82 | 28.027 | -89.207 | 1205 | 13.93 | 45 | 96 | 168 | 100.3 | 0.3 | 1.17 | 26.22 | 35.76 | 0.10 | Physcus macrocephalus |
| Gyre 96/G06 | 302.88 | 28.173 | -89.339 | 985 | 10.15 | 42 | 99 | 181 | 103.5 | 3.5 | 0.93 | 26.23 | 35.78 | 0.10 | Physcus macrocephalus |
| Gyre 96/G06 | 302.95 | 28.274 | -89.330 | 985 | 10.96 | 50 | 106 | 176 | 105.7 | 5.7 | 0.83 | 26.19 | 35.77 | 0.10 | Physcus macrocephalus |
| Gyre 96/G06 | 302.95 | 28.282 | -89.332 | 985 | 10.96 | 50 | 106 | 176 | 105.7 | 5.7 | 0.83 | 26.08 | 35.76 | 0.10 | Unidentified dolphin |
| Gyre 96/G06 | 303.51 | 29.132 | -88.169 | 707 | 36.83 | 54 | 130 | 252 | N/A | N/A | 0.87 | 25.53 | 35.90 | 0.10 | Ziphiidae fm. |
| Gyre 96/G06 | 303.53 | 29.197 | -88.167 | 412 | 32.59 | 54 | 130 | 252 | N/A | N/A | 0.87 | 25.53 | 35.90 | 0.10 | Ziphiidae fm. |
| Gyre 97/G08 | 218.62 | 28.171 | -88.854 | 1005 | 23.45 | 19 | 101 | 181 | 108.7 | 3.7 | N/A | 29.38 | 28.86 | 0.19 | Unidentified dolphin |
| Gyre 97/G08 | 218.49 | 28.534 | -88.961 | 1005 | 23.45 | 18 | 88 | 157 | 106.4 | 1.4 | 1.39 | 29.77 | 29.08 | 0.12 | Stenella longirostris |
| Gyre 97/G08 | 218.66 | 28.070 | -88.828 | 1638 | 16.75 | 22 | 95 | 175 | 111.2 | 6.2 | 1.50 | 29.87 | 26.51 | 0.15 | Unidentified small dolphin |
| Gyre 97/G08 | 218.70 | 27.967 | -88.788 | 1804 | 22.91 | 22 | 95 | 175 | 111.2 | 6.2 | 1.50 | 30.02 | 26.15 | 0.18 | Unidentified Stenella |
| Gyre 97/G08 | 218.75 | 27.809 | -88.735 | 1806 | 13.47 | 28 | 125 | 198 | 129.1 | 20.7 | 1.28 | 29.99 | 27.87 | 0.14 | Physcus macrocephalus |
| Gyre 97/G08 | 218.79 | 27.711 | -88.643 | 1819 | 22.85 | 30 | 144 | 212 | 125.8 | 24.1 | 1.16 | 29.87 | 24.86 | 0.03 | Physcus macrocephalus |
| Gyre 97/G08 | 218.80 | 27.676 | -88.627 | 2010 | 22.85 | 50 | 157 | 229 | 125.8 | 20.8 | 1.35 | 29.77 | 26.02 | 0.02 | Sesoo brevicauda |
| Gyre 97/G08 | 219.50 | 26.119 | -88.231 | 2942 | 5.72 | 44 | 301 | 453 | 175.9 | 70.9 | 0.70 | 30.32 | 36.09 | 0.02 | Physcus macrocephalus |
| Gyre 97/G08 | 219.67 | 26.357 | -88.201 | 2848 | 5.40 | 37 | 303 | 457 | 175.6 | 70.6 | 0.78 | 30.43 | 36.12 | 0.02 | Protonotia crassirostris |
| Gyre 97/G08 | 219.73 | 26.388 | -88.199 | 2721 | 6.86 | 37 | 303 | 457 | 175.6 | 70.6 | 0.91 | 30.47 | 36.12 | 0.02 | Unidentified cetacean |
| Gyre 97/G08 | 219.76 | 26.466 | -88.170 | 2648 | 7.88 | 39 | 295 | 445 | 174.3 | 69.3 | 0.86 | 30.47 | 36.12 | 0.02 | Unidentified large dolphin or small whale |
| Gyre 97/G08 | 219.81 | 26.634 | -88.157 | 2606 | 8.43 | 41 | 295 | 445 | 173.8 | 68.8 | 1.02 | 30.55 | 36.12 | 0.02 | Unidentified small dolphin |
| Gyre 97/G08 | 219.81 | 26.643 | -88.156 | 2614 | 8.43 | 41 | 295 | 437 | 173.8 | 68.8 | 0.98 | 30.53 | 36.12 | 0.02 | Unidentified odontocete |
| Gyre 97/G08 | 219.88 | 26.852 | -88.139 | 2687 | 6.52 | 37 | 296 | 437 | 170.6 | 65.6 | 1.35 | 30.55 | 35.99 | 0.02 | Unidentified small dolphin |
| Gyre 97/G08 | 219.88 | 26.852 | -88.139 | 2687 | 6.52 | 37 | 296 | 437 | 170.6 | 65.6 | 1.46 | 29.91 | 33.52 | 0.04 | Stenella corniculata |
| Gyre 97/G08 | 220.60 | 28.360 | -87.973 | 2401 | 5.20 | 22 | 105 | 159 | 107.7 | -0.8 | 1.43 | 29.97 | 34.00 | 0.03 | Stenella attenuata |
| Gyre 97/G08 | 220.74 | 28.785 | -87.996 | 1954 | 25.97 | 17 | 119 | 190 | 107.7 | 2.7 | 1.34 | 29.89 | 32.50 | 0.04 | Unidentified small dolphin |
| Gyre 97/G08 | 220.77 | 28.834 | -88.024 | 1662 | 24.77 | 17 | 119 | 190 | 107.7 | 2.7 | 1.34 | 29.89 | 32.50 | 0.04 | Unidentified small dolphin |
| Gyre 97/G08 | 220.95 | 29.027 | -87.943 | 1392 | 26.53 | 15 | 120 | 197 | 109.9 | 4.9 | 1.25 | 30.27 | 32.74 | 0.04 | Stenella attenuata |
| Gyre 97/G08 | 221.49 | 28.242 | -87.571 | 2395 | 8.02 | 20 | 91 | 150 | 98.7 | -6.3 | 1.52 | 29.57 | 33.80 | 0.03 | Unidentified Stenella |
| Gyre 97/G08 | 221.51 | 28.205 | -87.551 | 2605 | 8.02 | 24 | 85 | 141 | 98.4 | -6.6 | 1.52 | 29.55 | 34.37 | 0.03 | Physcus macrocephalus |
| Gyre 97/G08 | 221.54 | 28.104 | -87.506 | 2715 | 10.48 | 24 | 85 | 141 | 98.4 | -6.6 | 1.50 | 29.56 | 33.89 | 0.03 | Unidentified small dolphin |
| Gyre 97/G08 | 221.55 | 28.080 | -87.493 | 2715 | 10.69 | 27 | 91 | 141 | 97.5 | -7.5 | 1.47 | 29.64 | 33.93 | 0.03 | Stenella attenuata |
| Gyre 97/G08 | 221.68 | 27.662 | -87.281 | 3004 | 1.68 | 23 | 113 | 168 | 110.9 | 5.9 | 1.45 | 30.48 | 32.08 | 0.04 | Unidentified large whale |
| Gyre 97/G08 | 222.51 | 27.640 | -86.826 | 3098 | 4.45 | 18 | 95 | 140 | 97.8 | -7.2 | 1.42 | 29.91 | 32.78 | 0.03 | Physcus macrocephalus |
| Gyre 97/G08 | 222.59 | 27.823 | -86.864 | 2889 | 11.29 | 19 | 89 | 130 | 92.1 | -12.9 | 1.27 | 29.68 | 33.77 | 0.03 | Stenella attenuata |
| Gyre 97/G08 | 222.61 | 27.870 | -86.869 | 2889 | 16.74 | 19 | 89 | 130 | 92.1 | -12.9 | 1.25 | 29.97 | 34.09 | 0.03 | Unidentified large whale |
| Gyre 97/G08 | 222.63 | 27.923 | -86.890 | 2727 | 23.22 | 23 | 89 | 126 | 91.7 | -13.3 | 1.31 | 29.79 | 33.89 | 0.03 | Stenella attenuata |
| Gyre 97/G08 | 222.64 | 27.966 | -86.881 | 2710 | 23.22 | 23 | 89 | 126 | 91.7 | -13.3 | 1.33 | 29.78 | 33.99 | 0.03 | Physcus macrocephalus |

| | | | | | | | | | | | | | | | |
|------------|--------|--------|---------|------|--------|----|-----|-----|-------|------|------|-------|-------|------|----------------------------|
| Gyre 97G08 | 222.81 | 28.139 | -86.876 | 1002 | 45.81 | 21 | 85 | 134 | 98.3 | -6.7 | 1.25 | 30.23 | 34.33 | 0.03 | Stenella attenuata |
| Gyre 97G08 | 222.92 | 28.441 | -86.857 | 804 | 14.42 | 19 | 88 | 155 | NA | NA | 1.20 | 30.26 | 34.66 | 0.04 | Stenella attenuata |
| Gyre 97G08 | 223.77 | 28.590 | -86.861 | 671 | 8.82 | 21 | 95 | 156 | NA | NA | 1.11 | 30.10 | 34.79 | 0.04 | Unidentified large whale |
| Gyre 97G08 | 223.97 | 27.745 | -87.243 | 3013 | 0.96 | 9 | 122 | 165 | 109.9 | 4.9 | 1.27 | 30.03 | 34.05 | 0.03 | Physeter macrocephalus |
| Gyre 97G08 | 224.52 | 27.098 | -87.552 | 2853 | 2.40 | 40 | 253 | 343 | 155.9 | 50.9 | 0.85 | 30.36 | 36.09 | 0.02 | Stenella attenuata |
| Gyre 97G08 | 224.95 | 28.158 | -88.193 | 2200 | 10.59 | 19 | 99 | 170 | 104.8 | -0.2 | 1.76 | 30.61 | 35.80 | 0.02 | Stenella coeruleoalba |
| Gyre 97G08 | 226.79 | 29.075 | -87.830 | 1424 | 26.97 | 15 | 116 | 182 | 108.1 | 3.1 | 0.98 | 30.38 | 33.08 | 0.02 | Turniops truncatus |
| Gyre 97G08 | 226.86 | 28.932 | -87.876 | 1667 | 27.54 | 15 | 120 | 178 | 108.1 | 3.1 | 1.06 | 30.57 | 33.28 | 0.02 | Stenella attenuata |
| Gyre 97G08 | 226.92 | 28.847 | -87.770 | 1995 | 21.27 | 12 | 120 | 174 | 109.2 | 4.2 | 0.99 | 30.59 | 33.47 | 0.03 | Ziphiidae fm. |
| Gyre 97G08 | 227.50 | 29.515 | -87.296 | 197 | 10.80 | 7 | 78 | 180 | NA | NA | 1.88 | 30.56 | 33.70 | 0.03 | Stenella attenuata |
| Gyre 97G08 | 229.00 | 29.430 | -86.693 | 322 | 8.98 | 5 | 103 | 192 | NA | NA | 1.47 | 30.48 | 29.72 | 0.05 | Stenella leucomelas |
| Gyre 97G08 | 229.48 | 28.516 | -86.662 | 629 | 8.78 | 20 | 96 | 163 | NA | NA | 1.87 | 30.41 | 29.11 | 0.04 | Stenella leucomelas |
| Gyre 97G08 | 229.50 | 28.485 | -86.664 | 629 | 10.80 | 20 | 96 | 163 | NA | NA | 1.31 | 30.51 | 32.66 | 0.02 | Stenella attenuata |
| Gyre 97G08 | 229.54 | 28.381 | -86.664 | 829 | 15.75 | 16 | 100 | 157 | NA | NA | 1.31 | 30.65 | 32.84 | 0.02 | Stenella attenuata |
| Gyre 97G08 | 229.56 | 28.314 | -86.666 | 829 | 15.75 | 16 | 100 | 157 | NA | NA | 1.18 | 30.51 | 32.55 | 0.03 | Unidentified dolphin |
| Gyre 97G08 | 229.58 | 28.270 | -86.692 | 1029 | 45.37 | 16 | 99 | 158 | 101.6 | -3.4 | 1.13 | 30.70 | 32.22 | 0.03 | Stenella attenuata |
| Gyre 97G08 | 229.69 | 28.160 | -86.637 | 1250 | 101.62 | 13 | 96 | 147 | 100.5 | -4.5 | 0.98 | 30.66 | 32.47 | 0.03 | Stenella coeruleoalba |
| Gyre 97G08 | 229.70 | 28.139 | -86.602 | 1072 | 101.62 | 13 | 96 | 147 | 100.5 | -4.5 | 0.98 | 30.66 | 32.47 | 0.03 | Physeter macrocephalus |
| Gyre 97G08 | 229.71 | 28.115 | -86.577 | 1837 | 83.45 | 16 | 95 | 148 | 102.3 | -2.7 | 0.86 | 30.58 | 31.65 | 0.04 | Physeter macrocephalus |
| Gyre 97G08 | 229.72 | 28.095 | -86.560 | 1837 | 83.45 | 16 | 95 | 148 | 102.3 | -2.7 | 0.95 | 30.50 | 31.80 | 0.03 | Physeter macrocephalus |
| Gyre 97G08 | 229.73 | 28.091 | -86.531 | 1292 | 83.45 | 16 | 95 | 148 | 102.3 | -2.7 | 0.98 | 30.86 | 31.21 | 0.03 | Physeter macrocephalus |
| Gyre 97G08 | 229.74 | 28.119 | -86.512 | 1292 | 83.45 | 16 | 95 | 148 | 102.3 | -2.7 | 1.06 | 31.04 | 32.29 | 0.03 | Stenella coeruleoalba |
| Gyre 97G08 | 229.78 | 28.183 | -86.496 | 1109 | 23.69 | 14 | 100 | 156 | NA | NA | 1.01 | 31.10 | 32.23 | 0.04 | Unidentified large whale |
| Gyre 97G08 | 230.47 | 28.490 | -85.580 | 201 | 4.61 | 10 | 100 | 193 | NA | NA | 1.03 | 30.64 | 32.56 | 0.03 | Turniops truncatus |
| Gyre 97G08 | 230.60 | 28.155 | -85.748 | 596 | 14.71 | 15 | 100 | 171 | NA | NA | 0.85 | 30.91 | 31.79 | 0.03 | Stenella coeruleoalba |
| Gyre 97G08 | 230.76 | 27.963 | -85.879 | 1031 | 56.39 | 19 | 104 | 164 | 105.7 | 0.7 | 1.00 | 30.94 | 31.49 | 0.03 | Unidentified large dolphin |
| Gyre 97G08 | 230.87 | 27.783 | -85.812 | 2457 | 97.14 | 18 | 98 | 163 | 105.7 | 0.7 | 1.18 | NA | NA | 0.04 | Ziphius cavirostris |
| Gyre 97G08 | 230.89 | 27.741 | -85.738 | 1977 | 85.53 | 9 | 102 | 182 | 106.6 | 1.6 | 1.02 | 31.27 | 30.24 | 0.04 | Unidentified dolphin |
| Gyre 97G08 | 230.91 | 27.711 | -85.722 | 2841 | 107.07 | 9 | 102 | 182 | 106.6 | 1.6 | 0.98 | 31.34 | 30.81 | 0.04 | Unidentified dolphin |
| Gyre 97G08 | 230.92 | 27.684 | -85.685 | 2165 | 107.07 | 9 | 102 | 182 | 106.6 | 1.6 | 1.10 | 31.24 | 30.54 | 0.04 | Stenella attenuata |
| Gyre 97G08 | 230.96 | 27.734 | -85.569 | 1023 | 62.32 | 16 | 106 | 199 | 108.6 | 3.6 | 1.16 | 31.31 | 30.17 | 0.04 | Unidentified dolphin |
| Gyre 97G08 | 231.00 | 27.742 | -85.483 | 821 | 18.66 | 16 | 106 | 199 | 108.6 | 3.6 | 1.36 | 31.37 | 30.07 | 0.03 | Stenella attenuata |
| Gyre 97G08 | 231.47 | 27.770 | -84.938 | 259 | 5.37 | 19 | 108 | 200 | NA | NA | 1.29 | 30.51 | 33.72 | 0.02 | Stenella attenuata |
| Gyre 97G08 | 231.49 | 27.785 | -85.001 | 315 | 8.13 | 15 | 118 | 205 | NA | NA | 1.29 | 30.54 | 33.52 | 0.03 | Turniops truncatus |
| Gyre 97G08 | 231.54 | 27.685 | -85.108 | 429 | 11.38 | 15 | 118 | 205 | NA | NA | 1.27 | 30.92 | 33.21 | 0.03 | Turniops truncatus |
| Gyre 97G08 | 231.58 | 27.585 | -85.180 | 599 | 15.03 | 17 | 111 | 206 | NA | NA | 1.28 | 30.52 | 32.50 | 0.03 | Unidentified small dolphin |
| Gyre 97G08 | 231.59 | 27.543 | -85.206 | 606 | 19.80 | 17 | 111 | 206 | NA | NA | 1.43 | 30.98 | 31.51 | 0.03 | Stenella attenuata |
| Gyre 97G08 | 231.61 | 27.504 | -85.238 | 804 | 19.80 | 17 | 111 | 206 | NA | NA | 1.46 | 31.22 | 31.80 | 0.03 | Stenella attenuata |
| Gyre 97G08 | 231.81 | 27.380 | -85.672 | 3201 | 14.23 | 13 | 86 | 155 | 106.1 | 1.1 | 1.15 | 31.27 | 32.37 | 0.03 | Unidentified large dolphin |
| Gyre 97G08 | 231.93 | 27.396 | -86.127 | 3213 | 4.01 | 12 | 83 | 150 | 102.3 | -2.7 | 1.11 | 31.17 | 32.64 | 0.03 | Unidentified dolphin |
| Gyre 97G08 | 231.94 | 27.398 | -86.172 | 3290 | 9.45 | 10 | 87 | 150 | 99.9 | -5.1 | 1.14 | 31.21 | 32.61 | 0.03 | Stenella attenuata |
| Gyre 97G08 | 231.97 | 27.446 | -86.216 | 3384 | 10.23 | 10 | 87 | 150 | 99.9 | -5.1 | 1.12 | NA | NA | 0.03 | Stenella attenuata |
| Gyre 97G08 | 232.59 | 27.457 | -87.129 | 3013 | 3.33 | 37 | 155 | 240 | 128.9 | 23.9 | 1.36 | 30.28 | 36.06 | 0.02 | Unidentified small dolphin |
| Gyre 97G08 | 232.65 | 27.536 | -87.243 | 2995 | 2.53 | 37 | 155 | 240 | 128.9 | 23.9 | 1.18 | 30.42 | 36.09 | 0.02 | Kogia sp. |
| Gyre 97G08 | 232.67 | 27.560 | -87.303 | 2980 | 2.28 | 29 | 182 | 275 | 133.3 | 28.3 | 1.34 | 30.35 | 36.09 | 0.02 | Kogia sp. |
| Gyre 97G08 | 232.72 | 27.563 | -87.411 | 2951 | 3.59 | 29 | 182 | 275 | 133.3 | 28.3 | 1.13 | 30.39 | 36.10 | 0.02 | Kogia sp. |
| Gyre 97G08 | 232.77 | 27.654 | -87.411 | 2914 | 5.50 | 27 | 184 | 279 | 134.3 | 29.3 | 0.89 | 30.86 | 36.11 | 0.01 | Unidentified dolphin |
| Gyre 97G08 | 232.85 | 27.801 | -87.692 | 2797 | 6.37 | 23 | 174 | 273 | 132.7 | 27.7 | 0.93 | 30.96 | 36.12 | 0.01 | Unidentified small whale |
| Gyre 97G08 | 232.93 | 27.933 | -87.805 | 2604 | 11.36 | 23 | 163 | 265 | 129.9 | 24.9 | 1.20 | 30.56 | 36.09 | 0.02 | Unidentified dolphin |

GulfCet II ship surveys from the *R/V Gyre*. Location, group size, and effort data.

| Date | Time | Species | Latitude (north) | Longitude (west) | Effort status | Group size |
|--|-------|-------------------------------|---------------------|---------------------|------------------|---------------|
| Cruise Gyre 96G06: 10-30 October 1996 (late summer) | | | | | | |
| 11 Oct 96 | 16:17 | Unid. dolphin | 28.035 | 87.833 | ON | 2 |
| 13 Oct 96 | 07:10 | <i>Stenella attenuata</i> | 26.683 | 85.950 | OFF | 20 |
| 14 Oct 96 | 07:15 | <i>Tursiops truncatus</i> | 27.964 | 84.920 | ON | 6 |
| 15 Oct 96 | 03:08 | <i>Stenella frontalis</i> | 28.850 | 85.480 | OFF | 5 |
| 15 Oct 96 | 10:30 | <i>Physeter macrocephalus</i> | 28.367 | 86.433 | ON | 2 |
| 15 Oct 96 | 12:18 | Unid. odontocete | 28.262 | 86.527 | ON | 1 |
| 15 Oct 96 | 12:44 | <i>Stenella attenuata</i> | 28.249 | 86.589 | ON | 70 |
| 16 Oct 96 | 06:50 | <i>Tursiops truncatus</i> | 29.797 | 86.748 | ON | 6 |
| 16 Oct 96 | 07:50 | <i>Tursiops truncatus</i> | 29.921 | 86.757 | OFF | 10 |
| 16 Oct 96 | 10:37 | <i>Stenella frontalis</i> | 30.199 | 86.827 | OFF | 3 |
| 16 Oct 96 | 11:48 | <i>Tursiops truncatus</i> | 30.091 | 86.944 | OFF | 1 |
| 16 Oct 96 | 12:06 | <i>Tursiops truncatus</i> | 30.066 | 86.973 | ON | 2 |
| 16 Oct 96 | 12:39 | Unid. dolphin | 30.018 | 87.027 | ON | 2 |
| 16 Oct 96 | 12:46 | <i>Tursiops truncatus</i> | 30.009 | 87.041 | ON | 1 |
| 16 Oct 96 | 13:06 | <i>Stenella frontalis</i> | 29.986 | 87.080 | ON | 40 |
| 16 Oct 96 | 14:56 | <i>Tursiops truncatus</i> | 29.916 | 87.320 | ON | 2 |
| 16 Oct 96 | 15:31 | <i>Tursiops truncatus</i> | 29.910 | 87.402 | ON | 15 |
| 16 Oct 96 | 18:12 | Unid. dolphin | 29.589 | 87.401 | ON | 1 |
| 17 Oct 96 | 09:10 | <i>Ziphiidae fm.</i> | 28.564 | 87.359 | ON | 1 |
| 17 Oct 96 | 09:45 | Unid. cetacean | 28.606 | 87.364 | ON | 1 |
| 17 Oct 96 | 15:04 | <i>Kogia sp.</i> | 27.867 | 87.404 | ON | 1 |
| 18 Oct 96 | 08:29 | <i>Tursiops truncatus</i> | 29.201 | 88.180 | ON | 3 |
| 20 Oct 96 | 06:58 | <i>Physeter macrocephalus</i> | 28.664 | 88.990 | ON | 3 |
| 20 Oct 96 | 09:00 | <i>Physeter macrocephalus</i> | 28.619 | 88.993 | OFF | 1 |
| 20 Oct 96 | 09:41 | <i>Physeter macrocephalus</i> | 28.624 | 88.983 | OFF | 3 |
| 20 Oct 96 | 09:48 | <i>Physeter macrocephalus</i> | 28.629 | 88.973 | OFF | |
| 20 Oct 96 | 09:55 | <i>Physeter macrocephalus</i> | 28.634 | 88.963 | OFF | 2 |
| 20 Oct 96 | 10:06 | <i>Physeter macrocephalus</i> | 28.639 | 88.953 | OFF | |
| 20 Oct 96 | 10:20 | <i>Physeter macrocephalus</i> | 28.644 | 88.943 | OFF | 5 |
| 20 Oct 96 | 12:01 | <i>Physeter macrocephalus</i> | 28.649 | 88.933 | OFF | |
| 20 Oct 96 | 12:11 | <i>Physeter macrocephalus</i> | 28.654 | 88.923 | OFF | |
| 20 Oct 96 | 12:15 | <i>Physeter macrocephalus</i> | 28.659 | 88.913 | OFF | |
| 20 Oct 96 | 13:01 | <i>Physeter macrocephalus</i> | 28.664 | 88.903 | OFF | |
| 20 Oct 96 | 13:13 | <i>Physeter macrocephalus</i> | 28.669 | 88.893 | OFF | |
| 20 Oct 96 | 13:38 | <i>Physeter macrocephalus</i> | 28.674 | 88.883 | OFF | |
| 20 Oct 96 | 16:52 | <i>Stenella longirostris</i> | 28.676 | 88.723 | ON | 15 |
| 21 Oct 96 | 07:16 | <i>Physeter macrocephalus</i> | 27.717 | 88.418 | ON | 1 |
| 21 Oct 96 | 07:23 | <i>Physeter macrocephalus</i> | 27.703 | 88.410 | ON | 2 |
| 21 Oct 96 | 07:33 | <i>Physeter macrocephalus</i> | 27.689 | 88.402 | ON | 1 |
| 21 Oct 96 | 07:44 | <i>Physeter macrocephalus</i> | 27.665 | 88.390 | ON | 6 |
| 21 Oct 96 | 10:04 | <i>Ziphius cavirostris</i> | 27.438 | 88.222 | OFF | 1 |
| 21 Oct 96 | 16:07 | <i>Stenella coeruleoalba</i> | 26.862 | 87.925 | ON | 40 |
| 22 Oct 96 | 08:43 | <i>Stenella attenuata</i> | 25.254 | 87.398 | ON | 20 |
| 23 Oct 96 | 07:08 | <i>Stenella attenuata</i> | 26.150 | 88.067 | OFF | 15 |
| 23 Oct 96 | 08:40 | <i>Stenella attenuata</i> | 26.333 | 88.167 | OFF | 25 |
| 23 Oct 96 | 14:30 | <i>Physeter macrocephalus</i> | 27.016 | 88.516 | OFF | 2 |
| 24 Oct 96 | 07:20 | <i>Physeter macrocephalus</i> | 28.367 | 88.450 | ON | 5 |

GulfCet II ship surveys from the *R/V Gyre*. Location, group size, and effort data.

| Date | Time | Species | Latitude (north) | Longitude (west) | Effort status | Group size |
|-----------|-------|-------------------------------|---------------------|---------------------|------------------|---------------|
| 24 Oct 96 | 14:14 | <i>Stenella coeruleoalba</i> | 27.878 | 89.282 | ON | 40 |
| 26 Oct 96 | 07:04 | <i>Stenella clymene</i> | 26.102 | 87.438 | ON | 12 |
| 26 Oct 96 | 08:56 | <i>Stenella attenuata</i> | 26.358 | 87.543 | ON | 4 |
| 28 Oct 96 | 09:00 | <i>Physeter macrocephalus</i> | 28.070 | 89.127 | ON | 2 |
| 28 Oct 96 | 09:08 | <i>Physeter macrocephalus</i> | 28.080 | 89.135 | OFF | 1 |
| 28 Oct 96 | 09:20 | <i>Physeter macrocephalus</i> | 28.093 | 89.145 | OFF | 1 |
| 28 Oct 96 | 09:59 | <i>Physeter macrocephalus</i> | 28.102 | 89.157 | OFF | 1 |
| 28 Oct 96 | 10:07 | <i>Physeter macrocephalus</i> | 28.093 | 89.162 | OFF | 1 |
| 28 Oct 96 | 10:25 | <i>Physeter macrocephalus</i> | 28.075 | 89.164 | OFF | 2 |
| 28 Oct 96 | 10:36 | <i>Physeter macrocephalus</i> | 28.065 | 89.148 | OFF | 2 |
| 28 Oct 96 | 10:38 | <i>Physeter macrocephalus</i> | 28.063 | 89.144 | OFF | 1 |
| 28 Oct 96 | 10:53 | <i>Physeter macrocephalus</i> | 28.058 | 89.138 | OFF | 1 |
| 28 Oct 96 | 11:11 | <i>Physeter macrocephalus</i> | 28.046 | 89.137 | OFF | 1 |
| 28 Oct 96 | 11:19 | <i>Physeter macrocephalus</i> | 28.041 | 89.135 | OFF | 1 |
| 28 Oct 96 | 11:32 | <i>Physeter macrocephalus</i> | 28.029 | 89.134 | OFF | 1 |
| 28 Oct 96 | 11:33 | <i>Physeter macrocephalus</i> | 28.027 | 89.133 | OFF | 1 |
| 28 Oct 96 | 11:53 | <i>Physeter macrocephalus</i> | 28.026 | 89.149 | OFF | 2 |
| 28 Oct 96 | 12:26 | <i>Physeter macrocephalus</i> | 28.018 | 89.168 | OFF | 2 |
| 28 Oct 96 | 14:43 | <i>Physeter macrocephalus</i> | 28.027 | 89.207 | ON | 1 |
| 28 Oct 96 | 14:44 | <i>Physeter macrocephalus</i> | 28.027 | 89.207 | ON | 1 |
| 28 Oct 96 | 16:08 | <i>Physeter macrocephalus</i> | 28.173 | 89.259 | ON | 1 |
| 28 Oct 96 | 16:33 | <i>Physeter macrocephalus</i> | 28.191 | 85.000 | OFF | 1 |
| 28 Oct 96 | 17:41 | <i>Physeter macrocephalus</i> | 28.274 | 89.330 | ON | 1 |
| 28 Oct 96 | 17:44 | Unid. dolphin | 28.282 | 89.332 | ON | 30 |
| 28 Oct 96 | 18:01 | <i>Physeter macrocephalus</i> | 28.291 | 89.373 | OFF | 1 |
| 29 Oct 96 | 07:08 | <i>Ziphiidae fm.</i> | 29.132 | 88.169 | ON | 2 |
| 29 Oct 96 | 07:37 | <i>Ziphiidae fm.</i> | 29.197 | 88.167 | ON | 1 |
| 29 Oct 96 | 07:47 | <i>Tursiops truncatus</i> | 29.222 | 88.167 | ON | 2 |
| 29 Oct 96 | 07:55 | Unid. small whale | 29.239 | 88.166 | OFF | 1 |
| 29 Oct 96 | 09:12 | <i>Tursiops truncatus</i> | 29.432 | 88.148 | ON | 10 |
| 29 Oct 96 | 09:59 | <i>Tursiops truncatus</i> | 29.541 | 88.159 | ON | 30 |
| 29 Oct 96 | 10:29 | <i>Tursiops truncatus</i> | 29.613 | 88.163 | ON | 15 |
| 29 Oct 96 | 11:28 | <i>Tursiops truncatus</i> | 29.756 | 88.173 | ON | 9 |
| 29 Oct 96 | 11:50 | Unid. dolphin | 29.811 | 88.174 | ON | 12 |
| 29 Oct 96 | 11:59 | Unid. dolphin | 29.835 | 88.174 | ON | 6 |

| Date | Time | Species | Latitude (north) | Longitude (west) | Effort status | Group size |
|-----------|-------|-------------------------------|---------------------|---------------------|------------------|---------------|
| 10 Aug 97 | 07:53 | <i>Physeter macrocephalus</i> | 27.704 | 86.838 | OFF | 4 |
| 10 Aug 97 | 09:12 | <i>Stenella attenuata</i> | 27.823 | 86.864 | ON | 35 |
| 10 Aug 97 | 09:33 | Unid. large whale | 27.870 | 86.869 | ON | 1 |
| 10 Aug 97 | 10:07 | <i>Stenella attenuata</i> | 27.923 | 86.890 | ON | 50 |
| 10 Aug 97 | 10:26 | <i>Physeter macrocephalus</i> | 27.966 | 86.881 | ON | 4 |
| 10 Aug 97 | 14:26 | <i>Stenella attenuata</i> | 28.339 | 86.876 | ON | 30 |
| 10 Aug 97 | 14:38 | <i>Stenella attenuata</i> | 28.366 | 86.877 | OFF | 130 |
| 10 Aug 97 | 15:11 | <i>Physeter macrocephalus</i> | 28.427 | 86.842 | OFF | 3 |
| 10 Aug 97 | 15:24 | <i>Stenella attenuata</i> | 28.441 | 86.852 | OFF | 80 |
| 10 Aug 97 | 16:03 | <i>Physeter macrocephalus</i> | 28.389 | 86.854 | OFF | 2 |
| 10 Aug 97 | 16:09 | Unid. small dolphin | 28.404 | 86.854 | OFF | 15 |
| 10 Aug 97 | 16:09 | <i>Physeter macrocephalus</i> | 28.393 | 86.854 | OFF | 1 |
| 10 Aug 97 | 17:04 | <i>Stenella attenuata</i> | 28.441 | 86.857 | ON | 150 |
| 10 Aug 97 | 18:13 | Unid. large whale | 28.590 | 86.861 | ON | 2 |
| 11 Aug 97 | 13:22 | <i>Physeter macrocephalus</i> | 27.745 | 87.243 | ON | 6 |
| 11 Aug 97 | 13:28 | <i>Stenella attenuata</i> | 27.727 | 87.247 | OFF | 40 |
| 12 Aug 97 | 07:23 | <i>Stenella attenuata</i> | 27.098 | 87.552 | ON | 20 |
| 12 Aug 97 | 17:44 | <i>Stenella coeruleoalba</i> | 28.158 | 88.193 | ON | 2 |
| 12 Aug 97 | 17:44 | <i>Stenella attenuata</i> | 28.158 | 88.193 | OFF | 1 |
| 12 Aug 97 | 19:20 | <i>Grampus griseus</i> | 28.310 | 88.237 | OFF | 7 |
| 12 Aug 97 | 19:20 | <i>Pseudorca crassidens</i> | 28.310 | 88.237 | OFF | -9 |
| 13 Aug 97 | 06:55 | <i>Tursiops truncatus</i> | 29.568 | 88.477 | ON | 5 |
| 13 Aug 97 | 07:41 | <i>Tursiops truncatus</i> | 29.652 | 88.461 | OFF | 3 |
| 13 Aug 97 | 07:44 | <i>Tursiops truncatus</i> | 29.661 | 88.460 | ON | 6 |
| 13 Aug 97 | 07:52 | <i>Tursiops truncatus</i> | 29.677 | 88.459 | ON | 2 |
| 13 Aug 97 | 07:52 | <i>Tursiops truncatus</i> | 29.678 | 88.459 | ON | 3 |
| 13 Aug 97 | 07:58 | Unid. dolphin | 29.689 | 88.458 | ON | 1 |
| 13 Aug 97 | 08:46 | <i>Tursiops truncatus</i> | 29.795 | 88.446 | ON | 2 |
| 13 Aug 97 | 09:31 | <i>Tursiops truncatus</i> | 29.900 | 88.443 | OFF | 2 |
| 13 Aug 97 | 11:01 | <i>Tursiops truncatus</i> | 30.089 | 88.490 | OFF | 2 |
| 13 Aug 97 | 11:33 | <i>Tursiops truncatus</i> | 30.162 | 88.529 | OFF | 2 |
| 14 Aug 97 | 06:58 | Unid. dolphin | 30.048 | 87.834 | ON | 1 |
| 14 Aug 97 | 08:10 | <i>Tursiops truncatus</i> | 29.845 | 87.832 | ON | 9 |
| 14 Aug 97 | 09:58 | <i>Tursiops truncatus</i> | 29.604 | 87.815 | ON | 30 |
| 14 Aug 97 | 10:25 | <i>Tursiops truncatus</i> | 29.542 | 87.814 | ON | 40 |
| 14 Aug 97 | 11:10 | <i>Tursiops truncatus</i> | 29.442 | 87.819 | ON | 15 |
| 14 Aug 97 | 13:56 | <i>Tursiops truncatus</i> | 29.075 | 87.830 | ON | 3 |
| 14 Aug 97 | 16:58 | <i>Stenella attenuata</i> | 28.847 | 87.770 | ON | 40 |
| 15 Aug 97 | 07:06 | <i>Stenella longirostris</i> | 29.515 | 87.296 | ON | 80 |
| 15 Aug 97 | 07:28 | Unid. small whale | 29.549 | 87.252 | OFF | 1 |
| 15 Aug 97 | 11:18 | <i>Stenella frontalis</i> | 29.951 | 87.053 | OFF | 5 |
| 15 Aug 97 | 12:08 | <i>Stenella frontalis</i> | 30.050 | 87.026 | OFF | 8 |
| 15 Aug 97 | 13:31 | Unid. dolphin | 30.194 | 86.929 | ON | 2 |
| 15 Aug 97 | 14:06 | <i>Stenella frontalis</i> | 30.198 | 86.837 | OFF | 4 |
| 15 Aug 97 | 15:02 | <i>Stenella frontalis</i> | 30.212 | 86.691 | OFF | 5 |
| 15 Aug 97 | 15:05 | <i>Stenella frontalis</i> | 30.213 | 86.684 | OFF | 4 |
| 15 Aug 97 | 15:17 | <i>Tursiops truncatus</i> | 30.213 | 86.650 | ON | 4 |
| 15 Aug 97 | 15:17 | <i>Stenella frontalis</i> | 30.213 | 86.650 | ON | 4 |
| 15 Aug 97 | 15:34 | <i>Tursiops truncatus</i> | 30.213 | 86.606 | ON | 2 |

| Date | Time | Species | Latitude (north) | Longitude (west) | Effort status | Group size |
|-----------|-------|-------------------------------|---------------------|---------------------|------------------|---------------|
| 15 Aug 97 | 15:34 | <i>Stenella frontalis</i> | 30.213 | 86.606 | ON | 4 |
| 15 Aug 97 | 16:12 | <i>Tursiops truncatus</i> | 30.213 | 86.505 | ON | 1 |
| 15 Aug 97 | 16:57 | <i>Stenella frontalis</i> | 30.200 | 86.404 | ON | 1 |
| 15 Aug 97 | 16:57 | Unid. dolphin | 30.200 | 86.404 | ON | 1 |
| 16 Aug 97 | 16:39 | <i>Tursiops truncatus</i> | 29.746 | 86.680 | ON | 5 |
| 16 Aug 97 | 17:04 | <i>Tursiops truncatus</i> | 29.696 | 86.692 | ON | 1 |
| 16 Aug 97 | 19:02 | <i>Stenella longirostris</i> | 29.430 | 86.693 | ON | 51 |
| 17 Aug 97 | 06:27 | <i>Stenella attenuata</i> | 28.516 | 86.662 | ON | 26 |
| 17 Aug 97 | 06:56 | <i>Stenella attenuata</i> | 28.485 | 86.664 | ON | 80 |
| 17 Aug 97 | 07:52 | Unid. dolphin | 28.381 | 86.664 | ON | 3 |
| 17 Aug 97 | 08:22 | <i>Stenella attenuata</i> | 28.314 | 86.666 | ON | 100 |
| 17 Aug 97 | 08:48 | <i>Stenella coeruleoalba</i> | 28.270 | 86.692 | ON | 95 |
| 17 Aug 97 | 08:48 | <i>Physeter macrocephalus</i> | 28.270 | 86.692 | OFF | 3 |
| 17 Aug 97 | 11:33 | <i>Physeter macrocephalus</i> | 28.160 | 86.637 | ON | 2 |
| 17 Aug 97 | 11:50 | <i>Physeter macrocephalus</i> | 28.139 | 86.602 | ON | 1 |
| 17 Aug 97 | 12:04 | <i>Physeter macrocephalus</i> | 28.115 | 86.577 | ON | 2 |
| 17 Aug 97 | 12:15 | <i>Physeter macrocephalus</i> | 28.095 | 86.560 | ON | 2 |
| 17 Aug 97 | 12:21 | <i>Physeter macrocephalus</i> | 28.084 | 86.551 | OFF | 1 |
| 17 Aug 97 | 12:34 | <i>Physeter macrocephalus</i> | 28.091 | 86.531 | ON | 3 |
| 17 Aug 97 | 12:49 | <i>Stenella coeruleoalba</i> | 28.119 | 86.512 | ON | 63 |
| 17 Aug 97 | 12:58 | <i>Physeter macrocephalus</i> | 28.138 | 86.517 | OFF | 1 |
| 17 Aug 97 | 13:36 | Unid. large whale | 28.183 | 86.496 | ON | 1 |
| 18 Aug 97 | 06:23 | <i>Tursiops truncatus</i> | 28.490 | 85.580 | ON | 9 |
| 18 Aug 97 | 07:43 | Unid. small whale | 28.355 | 85.670 | OFF | 1 |
| 18 Aug 97 | 09:27 | <i>Stenella coeruleoalba</i> | 28.155 | 85.748 | ON | 40 |
| 18 Aug 97 | 10:27 | <i>Tursiops truncatus</i> | 28.093 | 85.814 | OFF | 35 |
| 18 Aug 97 | 10:27 | Unid. small dolphin | 28.093 | 85.814 | OFF | 4 |
| 18 Aug 97 | 13:13 | Unid. large dolphin | 27.963 | 85.879 | ON | 1 |
| 18 Aug 97 | 13:15 | Unid. large dolphin | 27.957 | 85.881 | OFF | 3 |
| 18 Aug 97 | 15:56 | <i>Ziphius cavirostris</i> | 27.783 | 85.812 | ON | 2 |
| 18 Aug 97 | 16:24 | Unid. dolphin | 27.741 | 85.758 | ON | 2 |
| 18 Aug 97 | 16:44 | Unid. dolphin | 27.711 | 85.722 | ON | 2 |
| 18 Aug 97 | 17:05 | <i>Stenella attenuata</i> | 27.684 | 85.685 | ON | 35 |
| 18 Aug 97 | 17:58 | Unid. dolphin | 27.734 | 85.569 | ON | 47 |
| 18 Aug 97 | 18:54 | <i>Stenella attenuata</i> | 27.742 | 85.483 | OFF | 68 |
| 18 Aug 97 | 18:54 | <i>Stenella attenuata</i> | 27.742 | 85.483 | ON | 140 |
| 19 Aug 97 | 06:18 | <i>Stenella attenuata</i> | 27.770 | 84.938 | ON | 190 |
| 19 Aug 97 | 06:51 | <i>Tursiops truncatus</i> | 27.785 | 85.001 | ON | 29 |
| 19 Aug 97 | 07:56 | <i>Tursiops truncatus</i> | 27.685 | 85.108 | ON | 1 |
| 19 Aug 97 | 08:51 | Unid. small dolphin | 27.585 | 85.180 | ON | 1 |
| 19 Aug 97 | 09:14 | <i>Stenella attenuata</i> | 27.543 | 85.206 | ON | 83 |
| 19 Aug 97 | 09:38 | <i>Stenella attenuata</i> | 27.504 | 85.238 | ON | 178 |
| 19 Aug 97 | 14:20 | Unid. large dolphin | 27.380 | 85.672 | ON | 1 |
| 19 Aug 97 | 17:20 | Unid. dolphin | 27.396 | 86.127 | ON | 1 |
| 19 Aug 97 | 17:38 | <i>Stenella attenuata</i> | 27.398 | 86.172 | ON | 350 |
| 19 Aug 97 | 18:19 | <i>Stenella attenuata</i> | 27.446 | 86.216 | ON | 40 |
| 20 Aug 97 | 09:14 | Unid. small dolphin | 27.457 | 87.129 | ON | 10 |
| 20 Aug 97 | 09:42 | Unid. dolphin | 27.475 | 87.173 | OFF | 1 |
| 20 Aug 97 | 09:49 | Unid. dolphin | 27.483 | 87.184 | OFF | 2 |

| Date | Time | Species | Latitude (north) | Longitude (west) | Effort status | Group size |
|-----------|-------|-------------------------------|---------------------|---------------------|------------------|---------------|
| 20 Aug 97 | 10:32 | <i>Kogia sp.</i> | 27.536 | 87.243 | ON | 3 |
| 20 Aug 97 | 11:04 | <i>Kogia sp.</i> | 27.560 | 87.303 | ON | 1 |
| 20 Aug 97 | 12:23 | <i>Kogia sp.</i> | 27.563 | 87.411 | ON | 2 |
| 20 Aug 97 | 13:34 | Unid. dolphin | 27.654 | 87.534 | ON | 12 |
| 20 Aug 97 | 15:21 | Unid. small whale | 27.801 | 87.692 | ON | 3 |
| 20 Aug 97 | 17:13 | Unid. dolphin | 27.953 | 87.805 | ON | 5 |
| 20 Aug 97 | 19:19 | Unid. dolphin | 28.105 | 87.880 | OFF | 2 |
| 21 Aug 97 | 09:26 | Unid. small dolphin | 28.643 | 88.923 | OFF | 3 |
| 21 Aug 97 | 09:50 | Unid. dolphin | 28.578 | 88.923 | OFF | 3 |
| 21 Aug 97 | 11:56 | <i>Physeter macrocephalus</i> | 28.280 | 88.919 | OFF | 3 |

VI. SEABIRD DATA

| Local date and time | Latitude | Longitude | Species | Number |
|---------------------|----------|-----------|-------------------------|--------|
| 8/6/97 7:06 | 28.47 | -88.94 | black tern | 1 |
| 8/6/97 7:42 | 28.39 | -88.92 | black tern | 2 |
| 8/6/97 7:59 | 28.36 | -88.91 | storm-petrel sp. | 1 |
| 8/6/97 8:08 | 28.35 | -88.90 | tern sp. | 2 |
| 8/6/97 8:17 | 28.33 | -88.90 | black tern | 1 |
| 8/6/97 9:39 | 28.19 | -88.86 | magnificent frigatebird | 1 |
| 8/6/97 9:50 | 28.17 | -88.85 | black tern | 8 |
| 8/6/97 10:19 | 28.12 | -88.84 | black tern | 1 |
| 8/6/97 10:22 | 28.11 | -88.84 | bridled tern | 1 |
| 8/6/97 10:29 | 28.10 | -88.84 | black tern | 4 |
| 8/6/97 10:40 | 28.08 | -88.83 | black tern | 2 |
| 8/6/97 10:48 | 28.07 | -88.83 | black tern | 31 |
| 8/6/97 10:53 | 28.06 | -88.82 | black tern | 2 |
| 8/6/97 10:53 | 28.06 | -88.82 | black tern | 5 |
| 8/6/97 14:02 | 27.70 | -88.64 | black tern | 1 |
| 8/6/97 15:23 | 27.56 | -88.54 | black tern | 1 |
| 8/6/97 15:33 | 27.54 | -88.54 | laughing gull | 1 |
| 8/6/97 15:36 | 27.54 | -88.54 | laughing gull | 1 |
| 8/6/97 16:04 | 27.48 | -88.53 | black tern | 4 |
| 8/6/97 16:22 | 27.44 | -88.52 | black tern | 3 |
| 8/6/97 16:22 | 27.44 | -88.52 | black tern | 1 |
| 8/6/97 16:33 | 27.42 | -88.52 | black tern | 1 |
| 8/6/97 16:40 | 27.41 | -88.52 | black tern | 1 |
| 8/6/97 16:42 | 27.40 | -88.51 | black tern | 2 |
| 8/6/97 16:45 | 27.39 | -88.51 | royal tern | 1 |
| 8/6/97 17:08 | 27.35 | -88.51 | black tern | 3 |
| 8/6/97 17:56 | 27.25 | -88.48 | black tern | 4 |
| 8/6/97 17:56 | 27.25 | -88.48 | black tern | 1 |
| 8/6/97 17:57 | 27.24 | -88.48 | black tern | 2 |
| 8/6/97 18:00 | 27.24 | -88.48 | black tern | 3 |
| 8/6/97 18:18 | 27.20 | -88.47 | laughing gull | 1 |
| 8/6/97 18:21 | 27.20 | -88.47 | laughing gull | 1 |
| 8/6/97 18:32 | 27.18 | -88.47 | laughing gull | 2 |
| 8/6/97 18:32 | 27.18 | -88.47 | tern sp. | 2 |
| 8/6/97 18:36 | 27.17 | -88.47 | black tern | 1 |
| 8/6/97 18:40 | 27.16 | -88.46 | laughing gull | 2 |
| 8/6/97 18:42 | 27.15 | -88.46 | common tern | 1 |
| 8/7/97 6:48 | 26.13 | -88.24 | tern sp. | 2 |
| 8/7/97 6:54 | 26.12 | -88.23 | tern sp. | 1 |
| 8/7/97 7:04 | 26.10 | -88.23 | black tern | 1 |
| 8/7/97 7:14 | 26.09 | -88.22 | tern sp. | 1 |

| Local date and time | Latitude | Longitude | Species | Number |
|---------------------|----------|-----------|-------------------------|--------|
| 8/6/97 7:06 | 28.47 | -88.94 | black tern | 1 |
| 8/6/97 7:42 | 28.39 | -88.92 | black tern | 2 |
| 8/6/97 7:59 | 28.36 | -88.91 | storm-petrel sp. | 1 |
| 8/6/97 8:08 | 28.35 | -88.90 | tern sp. | 2 |
| 8/6/97 8:17 | 28.33 | -88.90 | black tern | 1 |
| 8/6/97 9:39 | 28.19 | -88.86 | magnificent frigatebird | 1 |
| 8/6/97 9:50 | 28.17 | -88.85 | black tern | 8 |
| 8/6/97 10:19 | 28.12 | -88.84 | black tern | 1 |
| 8/6/97 10:22 | 28.11 | -88.84 | bridled tern | 1 |
| 8/6/97 10:29 | 28.10 | -88.84 | black tern | 4 |
| 8/6/97 10:40 | 28.08 | -88.83 | black tern | 2 |
| 8/6/97 10:48 | 28.07 | -88.83 | black tern | 31 |
| 8/6/97 10:53 | 28.06 | -88.82 | black tern | 2 |
| 8/6/97 10:53 | 28.06 | -88.82 | black tern | 5 |
| 8/6/97 14:02 | 27.70 | -88.64 | black tern | 1 |
| 8/6/97 15:23 | 27.56 | -88.54 | black tern | 1 |
| 8/6/97 15:33 | 27.54 | -88.54 | laughing gull | 1 |
| 8/6/97 15:36 | 27.54 | -88.54 | laughing gull | 1 |
| 8/6/97 16:04 | 27.48 | -88.53 | black tern | 4 |
| 8/6/97 16:22 | 27.44 | -88.52 | black tern | 3 |
| 8/6/97 16:22 | 27.44 | -88.52 | black tern | 1 |
| 8/6/97 16:33 | 27.42 | -88.52 | black tern | 1 |
| 8/6/97 16:40 | 27.41 | -88.52 | black tern | 1 |
| 8/6/97 16:42 | 27.40 | -88.51 | black tern | 2 |
| 8/6/97 16:45 | 27.39 | -88.51 | royal tern | 1 |
| 8/6/97 17:08 | 27.35 | -88.51 | black tern | 3 |
| 8/6/97 17:56 | 27.25 | -88.48 | black tern | 4 |
| 8/6/97 17:56 | 27.25 | -88.48 | black tern | 1 |
| 8/6/97 17:57 | 27.24 | -88.48 | black tern | 2 |
| 8/6/97 18:00 | 27.24 | -88.48 | black tern | 3 |
| 8/6/97 18:18 | 27.20 | -88.47 | laughing gull | 1 |
| 8/6/97 18:21 | 27.20 | -88.47 | laughing gull | 1 |
| 8/6/97 18:32 | 27.18 | -88.47 | laughing gull | 2 |
| 8/6/97 18:32 | 27.18 | -88.47 | tern sp. | 2 |
| 8/6/97 18:36 | 27.17 | -88.47 | black tern | 1 |
| 8/6/97 18:40 | 27.16 | -88.46 | laughing gull | 2 |
| 8/6/97 18:42 | 27.15 | -88.46 | common tern | 1 |
| 8/7/97 6:48 | 26.13 | -88.24 | tern sp. | 2 |
| 8/7/97 6:54 | 26.12 | -88.23 | tern sp. | 1 |
| 8/7/97 7:04 | 26.10 | -88.23 | black tern | 1 |
| 8/7/97 7:14 | 26.09 | -88.22 | tern sp. | 1 |

| | | | | |
|--------------|-------|--------|-----------------------|----|
| 8/7/97 7:26 | 26.07 | -88.20 | black tern | 1 |
| 8/7/97 7:34 | 26.06 | -88.19 | black tern | 3 |
| 8/7/97 7:36 | 26.05 | -88.19 | black tern | 1 |
| 8/7/97 7:37 | 26.05 | -88.19 | black tern | 2 |
| 8/7/97 7:49 | 26.03 | -88.19 | black tern | 3 |
| 8/7/97 7:50 | 26.03 | -88.19 | black tern | 4 |
| 8/7/97 7:58 | 26.02 | -88.19 | black tern | 5 |
| 8/7/97 8:01 | 26.02 | -88.19 | royal tern | 1 |
| 8/7/97 8:08 | 26.01 | -88.19 | tern sp. | 1 |
| 8/7/97 8:10 | 26.01 | -88.20 | black tern | 1 |
| 8/7/97 8:17 | 26.00 | -88.20 | black tern | 1 |
| 8/7/97 8:17 | 26.00 | -88.20 | black tern | 4 |
| 8/7/97 9:36 | 26.05 | -88.22 | black tern | 2 |
| 8/7/97 9:39 | 26.06 | -88.22 | black tern | 7 |
| 8/7/97 9:40 | 26.06 | -88.22 | black tern | 1 |
| 8/7/97 9:45 | 26.07 | -88.22 | black tern | 1 |
| 8/7/97 9:47 | 26.07 | -88.22 | black tern | 1 |
| 8/7/97 9:47 | 26.07 | -88.22 | black tern | 1 |
| 8/7/97 10:03 | 26.11 | -88.22 | black tern | 8 |
| 8/7/97 10:03 | 26.11 | -88.22 | bridled or sooty tern | 2 |
| 8/7/97 10:08 | 26.12 | -88.22 | black tern | 5 |
| 8/7/97 10:13 | 26.13 | -88.22 | black tern | 5 |
| 8/7/97 10:26 | 26.16 | -88.21 | black tern | 1 |
| 8/7/97 10:38 | 26.18 | -88.21 | black tern | 1 |
| 8/7/97 10:49 | 26.21 | -88.20 | black tern | 1 |
| 8/7/97 11:10 | 26.25 | -88.20 | black tern | 2 |
| 8/7/97 11:10 | 26.25 | -88.20 | sooty tern | 2 |
| 8/7/97 11:15 | 26.27 | -88.20 | black tern | 1 |
| 8/7/97 11:18 | 26.27 | -88.20 | black tern | 1 |
| 8/7/97 11:18 | 26.27 | -88.20 | black tern | 1 |
| 8/7/97 11:19 | 26.27 | -88.20 | black tern | 3 |
| 8/7/97 11:21 | 26.28 | -88.20 | sooty tern | 4 |
| 8/7/97 11:30 | 26.29 | -88.18 | black tern | 1 |
| 8/7/97 11:34 | 26.29 | -88.18 | arctic tern | 1 |
| 8/7/97 11:34 | 26.29 | -88.18 | Audubon's shearwater | 2 |
| 8/7/97 11:34 | 26.29 | -88.18 | black tern | 36 |
| 8/7/97 11:34 | 26.29 | -88.18 | bridled tern | 1 |
| 8/7/97 11:51 | 26.30 | -88.19 | black tern | 1 |
| 8/7/97 11:52 | 26.30 | -88.19 | black tern | 1 |
| 8/7/97 11:53 | 26.30 | -88.20 | black tern | 1 |
| 8/7/97 12:05 | 26.32 | -88.21 | black tern | 1 |
| 8/7/97 12:11 | 26.33 | -88.21 | black tern | 1 |

| | | | | |
|--------------|-------|--------|--------------------------|---|
| 8/7/97 12:19 | 26.35 | -88.20 | bridled tern | 1 |
| 8/7/97 12:21 | 26.35 | -88.20 | black tern | 1 |
| 8/7/97 12:23 | 26.36 | -88.20 | black tern | 1 |
| 8/7/97 12:23 | 26.36 | -88.20 | bridled tern | 1 |
| 8/7/97 12:27 | 26.37 | -88.20 | black tern | 1 |
| 8/7/97 12:27 | 26.37 | -88.20 | black tern | 1 |
| 8/7/97 12:27 | 26.37 | -88.20 | tern sp. | 1 |
| 8/7/97 12:30 | 26.38 | -88.20 | band-rumped storm-petrel | 1 |
| 8/7/97 12:30 | 26.38 | -88.20 | black tern | 1 |
| 8/7/97 12:30 | 26.38 | -88.20 | black tern | 1 |
| 8/7/97 12:30 | 26.38 | -88.20 | black tern | 1 |
| 8/7/97 12:30 | 26.38 | -88.20 | black tern | 1 |
| 8/7/97 12:30 | 26.38 | -88.20 | black tern | 1 |
| 8/7/97 12:31 | 26.38 | -88.20 | black tern | 1 |
| 8/7/97 12:33 | 26.38 | -88.20 | black tern | 1 |
| 8/7/97 12:33 | 26.38 | -88.20 | black tern | 1 |
| 8/7/97 12:33 | 26.38 | -88.20 | black tern | 2 |
| 8/7/97 12:35 | 26.39 | -88.20 | black tern | 1 |
| 8/7/97 12:40 | 26.40 | -88.19 | black tern | 2 |
| 8/7/97 12:40 | 26.40 | -88.19 | black tern | 1 |
| 8/7/97 12:45 | 26.41 | -88.19 | black tern | 2 |
| 8/7/97 12:51 | 26.42 | -88.19 | tern sp. | 1 |
| 8/7/97 13:01 | 26.44 | -88.18 | black tern | 6 |
| 8/7/97 13:01 | 26.44 | -88.18 | sooty tern | 2 |
| 8/7/97 13:04 | 26.45 | -88.18 | bridled tern | 1 |
| 8/7/97 13:04 | 26.45 | -88.18 | sooty tern | 1 |
| 8/7/97 13:51 | 26.54 | -88.16 | Audubon's shearwater | 1 |
| 8/7/97 13:51 | 26.54 | -88.16 | Wilson's storm-petrel | 1 |
| 8/7/97 14:04 | 26.57 | -88.16 | storm-petrel sp. | 2 |
| 8/7/97 14:11 | 26.59 | -88.16 | black tern | 3 |
| 8/7/97 14:26 | 26.63 | -88.16 | band-rumped storm-petrel | 3 |
| 8/7/97 14:27 | 26.63 | -88.16 | bridled tern | 1 |
| 8/7/97 14:45 | 26.67 | -88.16 | Audubon's shearwater | 1 |
| 8/7/97 14:46 | 26.67 | -88.16 | band-rumped storm-petrel | 2 |
| 8/7/97 14:46 | 26.67 | -88.16 | band-rumped storm-petrel | 5 |
| 8/7/97 14:47 | 26.67 | -88.16 | band-rumped storm-petrel | 1 |
| 8/7/97 14:48 | 26.68 | -88.16 | storm-petrel sp. | 8 |
| 8/7/97 15:09 | 26.72 | -88.15 | Audubon's shearwater | 1 |
| 8/7/97 15:09 | 26.72 | -88.15 | storm-petrel sp. | 1 |
| 8/7/97 15:19 | 26.75 | -88.15 | storm-petrel sp. | 1 |
| 8/7/97 15:34 | 26.78 | -88.15 | Audubon's shearwater | 1 |
| 8/7/97 15:59 | 26.84 | -88.14 | sooty tern | 5 |

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|--------------|-------|--------|--------------------------|---|
| 8/7/97 15:59 | 26.84 | -88.14 | sooty tern | 1 |
| 8/7/97 16:07 | 26.86 | -88.14 | cory's shearwater | 1 |
| 8/7/97 16:22 | 26.89 | -88.13 | Audubon's shearwater | 1 |
| 8/7/97 18:54 | 27.19 | -88.09 | band-rumped storm-petrel | 3 |
| 8/7/97 19:30 | 27.27 | -88.09 | band-rumped storm-petrel | 1 |
| 8/8/97 6:51 | 28.00 | -87.94 | storm-petrel sp. | 1 |
| 8/8/97 6:54 | 28.01 | -87.95 | storm-petrel sp. | 1 |
| 8/8/97 7:02 | 28.03 | -87.95 | laughing gull | 1 |
| 8/8/97 7:26 | 28.08 | -87.95 | cory's shearwater | 1 |
| 8/8/97 9:49 | 28.36 | -87.97 | red-billed tropicbird | 1 |
| 8/8/97 10:26 | 28.45 | -87.97 | Audubon's shearwater | 1 |
| 8/8/97 10:52 | 28.51 | -87.97 | sooty tern | 2 |
| 8/8/97 10:52 | 28.51 | -87.97 | sooty tern | 1 |
| 8/8/97 10:55 | 28.51 | -87.98 | storm-petrel sp. | 1 |
| 8/8/97 11:44 | 28.63 | -87.98 | band-rumped storm-petrel | 2 |
| 8/8/97 12:12 | 28.69 | -87.98 | sooty tern | 2 |
| 8/8/97 12:39 | 28.76 | -87.99 | Audubon's shearwater | 1 |
| 8/8/97 13:04 | 28.79 | -88.02 | Audubon's shearwater | 2 |
| 8/8/97 13:31 | 28.85 | -88.02 | sooty tern | 1 |
| 8/8/97 13:51 | 28.90 | -88.02 | band-rumped storm-petrel | 1 |
| 8/8/97 14:01 | 28.92 | -88.02 | Audubon's shearwater | 1 |
| 8/8/97 14:01 | 28.92 | -88.02 | storm-petrel sp. | 3 |
| 8/8/97 14:54 | 29.04 | -88.00 | band-rumped storm-petrel | 1 |
| 8/8/97 15:18 | 29.09 | -88.00 | band-rumped storm-petrel | 1 |
| 8/8/97 15:38 | 29.14 | -88.00 | band-rumped storm-petrel | 1 |
| 8/8/97 15:40 | 29.14 | -88.00 | band-rumped storm-petrel | 1 |
| 8/8/97 15:49 | 29.17 | -88.00 | storm-petrel sp. | 1 |
| 8/8/97 16:12 | 29.16 | -88.00 | band-rumped storm-petrel | 1 |
| 8/9/97 6:30 | 28.28 | -87.58 | black tern | 5 |
| 8/9/97 6:31 | 28.27 | -87.58 | black tern | 1 |
| 8/9/97 6:31 | 28.27 | -87.58 | black tern | 1 |
| 8/9/97 6:49 | 28.25 | -87.57 | black tern | 1 |
| 8/9/97 6:49 | 28.25 | -87.57 | sooty tern | 1 |
| 8/9/97 7:56 | 28.10 | -87.51 | storm-petrel sp. | 1 |
| 8/9/97 8:39 | 28.03 | -87.48 | storm-petrel sp. | 1 |
| 8/9/97 8:51 | 28.01 | -87.47 | sooty tern | 1 |
| 8/9/97 8:53 | 28.00 | -87.47 | black tern | 1 |
| 8/9/97 8:53 | 28.00 | -87.47 | sooty tern | 1 |
| 8/9/97 9:04 | 27.98 | -87.45 | black tern | 1 |
| 8/9/97 10:40 | 27.77 | -87.33 | storm-petrel sp. | 1 |
| 8/9/97 11:28 | 27.66 | -87.28 | laughing gull | 1 |
| 8/9/97 11:49 | 27.60 | -87.27 | black tern | 1 |

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|---------------|-------|--------|--------------------------|----|
| 8/9/97 12:06 | 27.57 | -87.25 | band-rumped storm-petrel | 1 |
| 8/9/97 12:06 | 27.57 | -87.25 | bridled tern | 1 |
| 8/9/97 12:17 | 27.54 | -87.24 | band-rumped storm-petrel | 4 |
| 8/9/97 12:18 | 27.54 | -87.23 | cory's shearwater | 1 |
| 8/9/97 13:25 | 27.39 | -87.16 | black tern | 1 |
| 8/9/97 13:36 | 27.36 | -87.15 | black tern | 1 |
| 8/9/97 13:40 | 27.36 | -87.15 | storm-petrel sp. | 4 |
| 8/9/97 13:54 | 27.32 | -87.13 | band-rumped storm-petrel | 1 |
| 8/9/97 14:42 | 27.24 | -87.08 | cory's shearwater | 1 |
| 8/9/97 15:50 | 27.07 | -87.01 | band-rumped storm-petrel | 38 |
| 8/9/97 15:52 | 27.06 | -87.00 | band-rumped storm-petrel | 9 |
| 8/9/97 15:53 | 27.06 | -87.00 | band-rumped storm-petrel | 23 |
| 8/9/97 15:53 | 27.06 | -87.00 | Wilson's storm-petrel | 3 |
| 8/9/97 16:29 | 26.99 | -86.96 | cory's shearwater | 1 |
| 8/9/97 16:54 | 26.95 | -86.96 | Wilson's storm-petrel | 1 |
| 8/9/97 17:05 | 26.94 | -86.95 | storm-petrel sp. | 1 |
| 8/9/97 17:08 | 26.93 | -86.95 | Wilson's storm-petrel | 2 |
| 8/9/97 17:09 | 26.93 | -86.95 | black tern | 4 |
| 8/9/97 17:49 | 26.89 | -86.94 | storm-petrel sp. | 3 |
| 8/9/97 17:58 | 26.88 | -86.94 | sooty tern | 1 |
| 8/9/97 18:03 | 26.87 | -86.94 | band-rumped storm-petrel | 1 |
| 8/9/97 18:12 | 26.86 | -86.93 | band-rumped storm-petrel | 1 |
| 8/9/97 18:16 | 26.86 | -86.93 | band-rumped storm-petrel | 1 |
| 8/9/97 18:21 | 26.86 | -86.93 | band-rumped storm-petrel | 1 |
| 8/9/97 18:23 | 26.86 | -86.93 | band-rumped storm-petrel | 1 |
| 8/9/97 18:41 | 26.84 | -86.92 | band-rumped storm-petrel | 1 |
| 8/9/97 18:41 | 26.84 | -86.92 | band-rumped storm-petrel | 1 |
| 8/9/97 18:47 | 26.83 | -86.92 | storm-petrel sp. | 2 |
| 8/10/97 7:22 | 27.64 | -86.83 | Audubon's shearwater | 1 |
| 8/10/97 8:16 | 27.70 | -86.87 | band-rumped storm-petrel | 3 |
| 8/10/97 8:21 | 27.71 | -86.86 | masked booby | 1 |
| 8/10/97 8:43 | 27.75 | -86.86 | Audubon's shearwater | 1 |
| 8/10/97 8:43 | 27.75 | -86.86 | frigatebird sp. | 2 |
| 8/10/97 8:43 | 27.75 | -86.86 | sooty tern | 1 |
| 8/10/97 9:05 | 27.80 | -86.86 | Audubon's shearwater | 1 |
| 8/10/97 9:38 | 27.88 | -86.87 | band-rumped storm-petrel | 1 |
| 8/10/97 10:16 | 27.94 | -86.89 | Audubon's shearwater | 1 |
| 8/10/97 10:17 | 27.94 | -86.89 | Audubon's shearwater | 1 |
| 8/10/97 10:22 | 27.95 | -86.88 | Audubon's shearwater | 1 |
| 8/10/97 10:33 | 27.97 | -86.88 | Audubon's shearwater | 2 |
| 8/10/97 10:37 | 27.98 | -86.87 | black tern | 5 |
| 8/10/97 10:39 | 27.98 | -86.86 | Audubon's shearwater | 1 |

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|---------------|-------|--------|--------------------------|---|
| 8/10/97 10:44 | 27.99 | -86.86 | black tern | 1 |
| 8/10/97 10:48 | 28.00 | -86.86 | Audubon's shearwater | 1 |
| 8/10/97 11:14 | 28.02 | -86.86 | Audubon's shearwater | 2 |
| 8/10/97 11:27 | 28.02 | -86.86 | Audubon's shearwater | 1 |
| 8/10/97 11:30 | 28.03 | -86.86 | sooty tern | 3 |
| 8/10/97 11:31 | 28.03 | -86.86 | Audubon's shearwater | 1 |
| 8/10/97 11:45 | 28.03 | -86.85 | Audubon's shearwater | 2 |
| 8/10/97 12:19 | 28.04 | -86.86 | jaeger sp. | 1 |
| 8/10/97 12:25 | 28.06 | -86.86 | Audubon's shearwater | 1 |
| 8/10/97 13:05 | 28.15 | -86.86 | band-rumped storm-petrel | 1 |
| 8/10/97 13:15 | 28.17 | -86.87 | band-rumped storm-petrel | 1 |
| 8/10/97 13:20 | 28.19 | -86.87 | band-rumped storm-petrel | 1 |
| 8/10/97 13:22 | 28.19 | -86.87 | band-rumped storm-petrel | 1 |
| 8/10/97 13:23 | 28.19 | -86.87 | band-rumped storm-petrel | 1 |
| 8/10/97 13:24 | 28.20 | -86.87 | band-rumped storm-petrel | 1 |
| 8/10/97 13:30 | 28.21 | -86.87 | masked booby | 1 |
| 8/10/97 13:34 | 28.22 | -86.87 | band-rumped storm-petrel | 2 |
| 8/10/97 13:41 | 28.23 | -86.87 | band-rumped storm-petrel | 1 |
| 8/10/97 14:14 | 28.31 | -86.88 | Audubon's shearwater | 2 |
| 8/10/97 14:23 | 28.33 | -86.88 | sooty tern | 2 |
| 8/10/97 15:33 | 28.43 | -86.85 | sooty tern | 1 |
| 8/10/97 15:38 | 28.42 | -86.84 | bridled tern | 1 |
| 8/11/97 6:34 | 28.67 | -87.07 | laughing gull | 1 |
| 8/11/97 6:34 | 28.67 | -87.07 | sooty tern | 1 |
| 8/11/97 6:38 | 28.66 | -87.07 | tern sp. | 1 |
| 8/11/97 6:43 | 28.65 | -87.08 | manx shearwater | 1 |
| 8/11/97 7:00 | 28.62 | -87.08 | sooty tern | 3 |
| 8/11/97 7:00 | 28.62 | -87.08 | sooty tern | 5 |
| 8/11/97 7:03 | 28.61 | -87.09 | pomarine jaeger | 1 |
| 8/11/97 8:13 | 28.46 | -87.12 | shearwater sp. | 1 |
| 8/11/97 8:25 | 28.43 | -87.13 | bridled tern | 1 |
| 8/11/97 8:30 | 28.42 | -87.13 | bridled or sooty tern | 1 |
| 8/11/97 8:45 | 28.39 | -87.13 | bridled or sooty tern | 1 |
| 8/11/97 8:55 | 28.37 | -87.14 | shearwater sp. | 1 |
| 8/11/97 9:01 | 28.36 | -87.14 | bridled or sooty tern | 1 |
| 8/11/97 9:24 | 28.31 | -87.15 | royal tern | 1 |
| 8/11/97 10:37 | 28.14 | -87.18 | tern sp. | 1 |
| 8/11/97 13:22 | 27.75 | -87.24 | shearwater sp. | 1 |
| 8/11/97 13:29 | 27.73 | -87.25 | manx shearwater | 3 |
| 8/11/97 13:43 | 27.70 | -87.25 | manx shearwater | 1 |
| 8/11/97 14:08 | 27.63 | -87.27 | Audubon's shearwater | 2 |
| 8/11/97 14:23 | 27.60 | -87.27 | bridled tern | 1 |

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|---------------|-------|--------|--------------------------|----|
| 8/11/97 14:25 | 27.59 | -87.28 | Audubon's shearwater | 1 |
| 8/11/97 14:29 | 27.58 | -87.28 | Audubon's shearwater | 1 |
| 8/11/97 14:43 | 27.55 | -87.29 | bridled tern | 1 |
| 8/11/97 15:42 | 27.47 | -87.30 | Audubon's shearwater | 1 |
| 8/11/97 15:45 | 27.47 | -87.30 | Audubon's shearwater | 1 |
| 8/11/97 16:10 | 27.53 | -87.30 | Audubon's shearwater | 1 |
| 8/11/97 16:47 | 27.61 | -87.30 | pomarine jaeger | 1 |
| 8/11/97 16:59 | 27.61 | -87.28 | tern sp. | 1 |
| 8/11/97 17:36 | 27.59 | -87.23 | Audubon's shearwater | 1 |
| 8/11/97 17:53 | 27.58 | -87.22 | Audubon's shearwater | 1 |
| 8/11/97 18:11 | 27.57 | -87.22 | bridled tern | 1 |
| 8/11/97 18:41 | 27.57 | -87.21 | phalarope sp. | 11 |
| 8/11/97 19:12 | 27.51 | -87.22 | Audubon's shearwater | 1 |
| 8/11/97 19:12 | 27.51 | -87.22 | band-rumped storm-petrel | 1 |
| 8/11/97 19:13 | 27.51 | -87.22 | band-rumped storm-petrel | 1 |
| 8/11/97 19:15 | 27.51 | -87.22 | band-rumped storm-petrel | 1 |
| 8/11/97 19:23 | 27.49 | -87.22 | laughing gull | 1 |
| 8/12/97 6:31 | 27.02 | -87.51 | laughing gull | 1 |
| 8/12/97 7:00 | 27.06 | -87.53 | cory's shearwater | 1 |
| 8/12/97 7:03 | 27.07 | -87.53 | Audubon's shearwater | 1 |
| 8/12/97 7:03 | 27.07 | -87.53 | Audubon's shearwater | 1 |
| 8/12/97 7:03 | 27.07 | -87.53 | band-rumped storm-petrel | 2 |
| 8/12/97 7:04 | 27.07 | -87.54 | band-rumped storm-petrel | 1 |
| 8/12/97 7:06 | 27.07 | -87.54 | Audubon's shearwater | 2 |
| 8/12/97 7:13 | 27.08 | -87.54 | Audubon's shearwater | 1 |
| 8/12/97 7:45 | 27.13 | -87.57 | Audubon's shearwater | 1 |
| 8/12/97 8:11 | 27.17 | -87.59 | storm-petrel sp. | 1 |
| 8/12/97 8:12 | 27.17 | -87.59 | band-rumped storm-petrel | 1 |
| 8/12/97 8:13 | 27.17 | -87.59 | band-rumped storm-petrel | 2 |
| 8/12/97 8:13 | 27.17 | -87.59 | Wilson's storm-petrel | 1 |
| 8/12/97 8:16 | 27.17 | -87.60 | band-rumped storm-petrel | 1 |
| 8/12/97 8:29 | 27.19 | -87.61 | shearwater sp. | 1 |
| 8/12/97 8:36 | 27.21 | -87.62 | least tern | 1 |
| 8/12/97 8:51 | 27.23 | -87.63 | shearwater sp. | 2 |
| 8/12/97 9:15 | 27.27 | -87.66 | tern sp. | 1 |
| 8/12/97 9:25 | 27.29 | -87.67 | shearwater sp. | 1 |
| 8/12/97 9:44 | 27.32 | -87.69 | Audubon's shearwater | 1 |
| 8/12/97 10:11 | 27.36 | -87.71 | Audubon's shearwater | 1 |
| 8/12/97 10:11 | 27.36 | -87.71 | bridled or sooty tern | 10 |
| 8/12/97 10:11 | 27.36 | -87.71 | bridled tern | 2 |
| 8/12/97 10:11 | 27.36 | -87.71 | masked booby | 1 |
| 8/12/97 10:11 | 27.36 | -87.71 | sooty tern | 1 |

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|---------------|-------|--------|--------------------------|---|
| 8/12/97 10:34 | 27.40 | -87.74 | arctic tern | 1 |
| 8/12/97 11:42 | 27.52 | -87.80 | band-rumped storm-petrel | 1 |
| 8/12/97 11:49 | 27.53 | -87.81 | band-rumped storm-petrel | 1 |
| 8/12/97 12:27 | 27.59 | -87.85 | masked booby | 1 |
| 8/12/97 13:05 | 27.66 | -87.89 | Audubon's shearwater | 1 |
| 8/12/97 14:07 | 27.77 | -87.95 | sooty tern | 2 |
| 8/12/97 14:12 | 27.78 | -87.95 | black tern | 1 |
| 8/12/97 14:35 | 27.81 | -87.98 | masked booby | 1 |
| 8/12/97 14:38 | 27.82 | -87.98 | Audubon's shearwater | 1 |
| 8/12/97 15:24 | 27.90 | -88.03 | Audubon's shearwater | 2 |
| 8/12/97 15:48 | 27.94 | -88.05 | Audubon's shearwater | 1 |
| 8/12/97 15:50 | 27.94 | -88.05 | Audubon's shearwater | 1 |
| 8/12/97 19:06 | 28.28 | -88.21 | laughing gull | 1 |
| 8/12/97 19:33 | 28.32 | -88.24 | Audubon's shearwater | 1 |
| 8/13/97 7:44 | 29.66 | -88.46 | black tern | 1 |
| 8/13/97 7:53 | 29.68 | -88.46 | shearwater sp. | 1 |
| 8/13/97 7:56 | 29.68 | -88.46 | Audubon's shearwater | 1 |
| 8/13/97 8:06 | 29.70 | -88.46 | phalarope sp. | 6 |
| 8/13/97 9:59 | 29.96 | -88.45 | Audubon's shearwater | 1 |
| 8/13/97 10:56 | 29.98 | -88.45 | Audubon's shearwater | 2 |
| 8/13/97 13:10 | 29.98 | -88.45 | laughing gull | 1 |
| 8/13/97 13:36 | 29.98 | -88.45 | band-rumped storm-petrel | 1 |
| 8/13/97 13:51 | 29.98 | -88.45 | Audubon's shearwater | 1 |
| 8/13/97 14:08 | 29.98 | -88.45 | Audubon's shearwater | 1 |
| 8/13/97 14:28 | 29.98 | -88.45 | shearwater sp. | 1 |
| 8/13/97 15:18 | 29.98 | -88.45 | Audubon's shearwater | 1 |
| 8/13/97 15:37 | 29.98 | -88.45 | black tern | 3 |
| 8/13/97 15:37 | 29.98 | -88.45 | bridled tern | 1 |
| 8/13/97 15:57 | 29.98 | -88.45 | bridled tern | 1 |
| 8/13/97 16:10 | 29.98 | -88.45 | sooty tern | 1 |
| 8/13/97 16:52 | 29.98 | -88.45 | band-rumped storm-petrel | 1 |
| 8/13/97 16:56 | 29.98 | -88.45 | cory's shearwater | 1 |
| 8/13/97 16:59 | 29.98 | -88.45 | shearwater sp. | 1 |
| 8/13/97 17:09 | 29.98 | -88.45 | Audubon's shearwater | 1 |
| 8/13/97 17:11 | 29.98 | -88.45 | Wilson's storm-petrel | 1 |
| 8/13/97 17:21 | 29.98 | -88.45 | sooty tern | 1 |
| 8/13/97 17:23 | 29.98 | -88.45 | tern sp. | 1 |
| 8/13/97 18:03 | 29.98 | -88.45 | Audubon's shearwater | 1 |
| 8/13/97 18:23 | 29.98 | -88.45 | sooty tern | 3 |
| 8/13/97 18:40 | 29.98 | -88.45 | pomarine jaeger | 1 |
| 8/13/97 18:41 | 29.98 | -88.45 | laughing gull | 1 |
| 8/13/97 18:41 | 29.98 | -88.45 | parasitic jaeger | 1 |

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|---------------|-------|--------|--------------------------|----|
| 8/13/97 18:41 | 29.98 | -88.45 | sooty shearwater | 1 |
| 8/13/97 18:43 | 29.98 | -88.45 | Audubon's shearwater | 1 |
| 8/13/97 18:44 | 29.98 | -88.45 | Audubon's shearwater | 2 |
| 8/13/97 18:45 | 29.98 | -88.45 | Audubon's shearwater | 1 |
| 8/13/97 18:46 | 29.98 | -88.45 | Audubon's shearwater | 1 |
| 8/13/97 18:47 | 29.98 | -88.45 | Audubon's shearwater | 1 |
| 8/13/97 18:47 | 29.98 | -88.45 | pomarine jaeger | 1 |
| 8/13/97 18:51 | 29.98 | -88.45 | pomarine jaeger | 4 |
| 8/13/97 18:57 | 29.98 | -88.45 | Audubon's shearwater | 1 |
| 8/13/97 18:57 | 29.98 | -88.45 | band-rumped storm-petrel | 1 |
| 8/13/97 18:59 | 29.98 | -88.45 | laughing gull | 1 |
| 8/13/97 19:02 | 29.98 | -88.45 | band-rumped storm-petrel | 1 |
| 8/13/97 19:05 | 29.98 | -88.45 | band-rumped storm-petrel | 1 |
| 8/13/97 19:08 | 29.98 | -88.45 | storm-petrel sp. | 1 |
| 8/13/97 19:13 | 29.98 | -88.45 | long-tailed jaeger | 1 |
| 8/13/97 19:19 | 29.98 | -88.45 | band-rumped storm-petrel | 1 |
| 8/13/97 19:21 | 29.98 | -88.45 | band-rumped storm-petrel | 1 |
| 8/13/97 19:22 | 29.98 | -88.45 | band-rumped storm-petrel | 1 |
| 8/14/97 6:32 | 30.05 | -87.84 | black tern | 3 |
| 8/14/97 6:33 | 30.05 | -87.84 | black tern | 1 |
| 8/14/97 6:33 | 30.05 | -87.84 | laughing gull | 1 |
| 8/14/97 6:36 | 30.05 | -87.84 | black tern | 1 |
| 8/14/97 6:36 | 30.05 | -87.84 | frigatebird sp. | 1 |
| 8/14/97 6:37 | 30.05 | -87.84 | royal tern | 1 |
| 8/14/97 6:38 | 30.05 | -87.84 | black tern | 2 |
| 8/14/97 6:40 | 30.05 | -87.83 | black tern | 1 |
| 8/14/97 6:40 | 30.05 | -87.83 | black tern | 2 |
| 8/14/97 6:40 | 30.05 | -87.83 | frigatebird sp. | 1 |
| 8/14/97 6:42 | 30.05 | -87.84 | black tern | 2 |
| 8/14/97 6:42 | 30.05 | -87.84 | black tern | 1 |
| 8/14/97 6:43 | 30.04 | -87.84 | black tern | 1 |
| 8/14/97 6:44 | 30.04 | -87.84 | black tern | 2 |
| 8/14/97 6:47 | 30.03 | -87.84 | laughing gull | 1 |
| 8/14/97 6:47 | 30.03 | -87.84 | royal tern | 1 |
| 8/14/97 6:49 | 30.03 | -87.84 | black tern | 1 |
| 8/14/97 6:49 | 30.03 | -87.84 | black tern | 19 |
| 8/14/97 6:49 | 30.03 | -87.84 | frigatebird sp. | 1 |
| 8/14/97 6:51 | 30.02 | -87.84 | black tern | 1 |
| 8/14/97 6:51 | 30.02 | -87.84 | laughing gull | 1 |
| 8/14/97 6:52 | 30.02 | -87.84 | black tern | 1 |
| 8/14/97 6:55 | 30.02 | -87.84 | black tern | 1 |
| 8/14/97 6:56 | 30.02 | -87.84 | black tern | 3 |

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|--------------|-------|--------|--------------------|----|
| 8/14/97 6:57 | 30.01 | -87.84 | black tern | 7 |
| 8/14/97 6:57 | 30.01 | -87.84 | frigatebird sp. | 5 |
| 8/14/97 6:57 | 30.01 | -87.84 | royal tern | 2 |
| 8/14/97 6:58 | 30.01 | -87.84 | black tern | 1 |
| 8/14/97 6:59 | 30.01 | -87.84 | black tern | 2 |
| 8/14/97 7:00 | 30.01 | -87.84 | black tern | 75 |
| 8/14/97 7:00 | 30.01 | -87.84 | long-tailed jaeger | 1 |
| 8/14/97 7:05 | 29.99 | -87.84 | black tern | 1 |
| 8/14/97 7:06 | 29.99 | -87.84 | black tern | 1 |
| 8/14/97 7:07 | 29.99 | -87.84 | frigatebird sp. | 1 |
| 8/14/97 7:08 | 29.99 | -87.84 | frigatebird sp. | 10 |
| 8/14/97 7:09 | 29.98 | -87.83 | royal tern | 2 |
| 8/14/97 7:10 | 29.98 | -87.83 | black tern | 2 |
| 8/14/97 7:12 | 29.98 | -87.83 | black tern | 1 |
| 8/14/97 7:15 | 29.97 | -87.83 | black tern | 3 |
| 8/14/97 7:16 | 29.97 | -87.83 | laughing gull | 1 |
| 8/14/97 7:17 | 29.97 | -87.83 | black tern | 1 |
| 8/14/97 7:18 | 29.97 | -87.83 | black tern | 6 |
| 8/14/97 7:18 | 29.97 | -87.83 | black tern | 1 |
| 8/14/97 7:19 | 29.96 | -87.83 | black tern | 1 |
| 8/14/97 7:20 | 29.96 | -87.83 | black tern | 1 |
| 8/14/97 7:21 | 29.96 | -87.83 | frigatebird sp. | 1 |
| 8/14/97 7:22 | 29.96 | -87.83 | black tern | 2 |
| 8/14/97 7:23 | 29.95 | -87.83 | black tern | 1 |
| 8/14/97 7:23 | 29.95 | -87.83 | black tern | 1 |
| 8/14/97 7:23 | 29.95 | -87.83 | black tern | 1 |
| 8/14/97 7:25 | 29.95 | -87.83 | black tern | 1 |
| 8/14/97 7:26 | 29.95 | -87.83 | sandwich tern | 2 |
| 8/14/97 7:27 | 29.94 | -87.83 | frigatebird sp. | 1 |
| 8/14/97 7:28 | 29.94 | -87.83 | black tern | 2 |
| 8/14/97 7:29 | 29.94 | -87.83 | black tern | 1 |
| 8/14/97 7:29 | 29.94 | -87.83 | black tern | 1 |
| 8/14/97 7:29 | 29.94 | -87.83 | tern sp. | 2 |
| 8/14/97 7:30 | 29.94 | -87.83 | black tern | 1 |
| 8/14/97 7:30 | 29.94 | -87.83 | frigatebird sp. | 49 |
| 8/14/97 7:30 | 29.94 | -87.83 | pomarine jaeger | 1 |
| 8/14/97 7:31 | 29.93 | -87.83 | black tern | 1 |
| 8/14/97 7:31 | 29.93 | -87.83 | black tern | 1 |
| 8/14/97 7:31 | 29.93 | -87.83 | black tern | 1 |
| 8/14/97 7:33 | 29.93 | -87.83 | black tern | 2 |
| 8/14/97 7:33 | 29.93 | -87.83 | black tern | 1 |
| 8/14/97 7:35 | 29.93 | -87.83 | black tern | 2 |

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|--------------|-------|--------|-------------------------|----|
| 8/14/97 7:37 | 29.92 | -87.83 | black tern | 1 |
| 8/14/97 7:37 | 29.92 | -87.83 | tern sp. | 1 |
| 8/14/97 7:38 | 29.92 | -87.83 | black tern | 1 |
| 8/14/97 7:39 | 29.92 | -87.83 | black tern | 2 |
| 8/14/97 7:40 | 29.92 | -87.83 | magnificent frigatebird | 1 |
| 8/14/97 7:41 | 29.91 | -87.83 | black tern | 1 |
| 8/14/97 7:41 | 29.91 | -87.83 | frigatebird sp. | 8 |
| 8/14/97 7:42 | 29.91 | -87.83 | black tern | 1 |
| 8/14/97 7:42 | 29.91 | -87.83 | black tern | 1 |
| 8/14/97 7:42 | 29.91 | -87.83 | frigatebird sp. | 2 |
| 8/14/97 7:42 | 29.91 | -87.83 | tern sp. | 45 |
| 8/14/97 7:46 | 29.90 | -87.83 | black tern | 3 |
| 8/14/97 7:47 | 29.90 | -87.83 | black tern | 1 |
| 8/14/97 7:48 | 29.90 | -87.83 | greater shearwater | 1 |
| 8/14/97 7:48 | 29.90 | -87.83 | royal tern | 1 |
| 8/14/97 7:55 | 29.88 | -87.83 | frigatebird sp. | 10 |
| 8/14/97 7:55 | 29.88 | -87.83 | magnificent frigatebird | 1 |
| 8/14/97 7:56 | 29.88 | -87.83 | sandwich tern | 1 |
| 8/14/97 7:57 | 29.88 | -87.83 | black tern | 2 |
| 8/14/97 8:00 | 29.87 | -87.83 | magnificent frigatebird | 1 |
| 8/14/97 8:03 | 29.86 | -87.83 | black tern | 1 |
| 8/14/97 8:03 | 29.86 | -87.83 | black tern | 2 |
| 8/14/97 8:04 | 29.86 | -87.83 | black tern | 2 |
| 8/14/97 8:05 | 29.86 | -87.83 | frigatebird sp. | 11 |
| 8/14/97 8:08 | 29.85 | -87.83 | frigatebird sp. | 1 |
| 8/14/97 8:09 | 29.85 | -87.83 | black tern | 1 |
| 8/14/97 8:14 | 29.84 | -87.83 | black tern | 1 |
| 8/14/97 8:15 | 29.84 | -87.83 | black tern | 1 |
| 8/14/97 8:16 | 29.84 | -87.83 | sandwich tern | 1 |
| 8/14/97 8:18 | 29.83 | -87.83 | frigatebird sp. | 38 |
| 8/14/97 8:19 | 29.83 | -87.83 | frigatebird sp. | 2 |
| 8/14/97 8:20 | 29.83 | -87.83 | tern sp. | 1 |
| 8/14/97 8:21 | 29.82 | -87.83 | royal tern | 2 |
| 8/14/97 8:22 | 29.82 | -87.83 | black tern | 1 |
| 8/14/97 8:24 | 29.82 | -87.83 | royal tern | 1 |
| 8/14/97 8:24 | 29.82 | -87.83 | sandwich tern | 2 |
| 8/14/97 8:25 | 29.82 | -87.83 | black tern | 1 |
| 8/14/97 8:25 | 29.82 | -87.83 | frigatebird sp. | 15 |
| 8/14/97 8:25 | 29.82 | -87.83 | tern sp. | 5 |
| 8/14/97 8:27 | 29.81 | -87.83 | black tern | 40 |
| 8/14/97 8:27 | 29.81 | -87.83 | frigatebird sp. | 12 |
| 8/14/97 8:27 | 29.81 | -87.83 | tern sp. | 5 |

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|---------------|-------|--------|---------------|---|
| 8/14/97 8:29 | 29.81 | -87.83 | black tern | 2 |
| 8/14/97 8:30 | 29.81 | -87.83 | sandwich tern | 2 |
| 8/14/97 8:31 | 29.80 | -87.83 | sandwich tern | 1 |
| 8/14/97 8:36 | 29.79 | -87.83 | black tern | 2 |
| 8/14/97 8:37 | 29.79 | -87.83 | black tern | 1 |
| 8/14/97 8:38 | 29.79 | -87.83 | black tern | 1 |
| 8/14/97 8:40 | 29.78 | -87.83 | black tern | 1 |
| 8/14/97 8:43 | 29.77 | -87.83 | black tern | 3 |
| 8/14/97 8:47 | 29.77 | -87.83 | black tern | 1 |
| 8/14/97 8:48 | 29.77 | -87.83 | black tern | 1 |
| 8/14/97 8:50 | 29.76 | -87.83 | black tern | 5 |
| 8/14/97 8:52 | 29.76 | -87.83 | black tern | 1 |
| 8/14/97 8:58 | 29.74 | -87.83 | black tern | 3 |
| 8/14/97 8:58 | 29.74 | -87.83 | sandwich tern | 1 |
| 8/14/97 8:59 | 29.74 | -87.83 | sandwich tern | 1 |
| 8/14/97 9:01 | 29.73 | -87.83 | royal tern | 1 |
| 8/14/97 9:01 | 29.73 | -87.83 | royal tern | 2 |
| 8/14/97 9:03 | 29.73 | -87.83 | tern sp. | 1 |
| 8/14/97 9:06 | 29.73 | -87.83 | black tern | 1 |
| 8/14/97 9:21 | 29.69 | -87.82 | black tern | 3 |
| 8/14/97 9:24 | 29.69 | -87.82 | black tern | 1 |
| 8/14/97 9:27 | 29.68 | -87.82 | black tern | 1 |
| 8/14/97 9:27 | 29.68 | -87.82 | black tern | 1 |
| 8/14/97 9:35 | 29.66 | -87.82 | black tern | 1 |
| 8/14/97 9:36 | 29.66 | -87.82 | black tern | 1 |
| 8/14/97 9:36 | 29.66 | -87.82 | black tern | 1 |
| 8/14/97 9:38 | 29.65 | -87.82 | black tern | 1 |
| 8/14/97 9:46 | 29.64 | -87.82 | black tern | 1 |
| 8/14/97 9:48 | 29.63 | -87.82 | black tern | 1 |
| 8/14/97 9:50 | 29.63 | -87.82 | black tern | 1 |
| 8/14/97 9:50 | 29.63 | -87.82 | black tern | 1 |
| 8/14/97 9:50 | 29.63 | -87.82 | black tern | 1 |
| 8/14/97 9:50 | 29.63 | -87.82 | black tern | 2 |
| 8/14/97 9:53 | 29.62 | -87.82 | sandwich tern | 1 |
| 8/14/97 9:57 | 29.61 | -87.82 | black tern | 4 |
| 8/14/97 10:00 | 29.60 | -87.82 | black tern | 2 |
| 8/14/97 10:00 | 29.60 | -87.82 | black tern | 1 |
| 8/14/97 10:11 | 29.58 | -87.81 | black tern | 1 |
| 8/14/97 10:11 | 29.58 | -87.81 | black tern | 1 |
| 8/14/97 10:12 | 29.58 | -87.81 | black tern | 1 |
| 8/14/97 10:13 | 29.57 | -87.81 | black tern | 1 |
| 8/14/97 10:14 | 29.57 | -87.81 | black tern | 1 |

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|---------------|-------|--------|-------------------|----|
| 8/14/97 10:16 | 29.57 | -87.81 | laughing gull | 1 |
| 8/14/97 10:18 | 29.56 | -87.81 | black tern | 1 |
| 8/14/97 10:20 | 29.56 | -87.81 | sandwich tern | 1 |
| 8/14/97 10:22 | 29.55 | -87.81 | black tern | 2 |
| 8/14/97 10:22 | 29.55 | -87.81 | laughing gull | 3 |
| 8/14/97 10:23 | 29.55 | -87.81 | black tern | 1 |
| 8/14/97 10:24 | 29.55 | -87.81 | black tern | 1 |
| 8/14/97 10:24 | 29.55 | -87.81 | laughing gull | 1 |
| 8/14/97 10:25 | 29.54 | -87.81 | black tern | 1 |
| 8/14/97 10:26 | 29.54 | -87.81 | black tern | 2 |
| 8/14/97 10:26 | 29.54 | -87.81 | black tern | 1 |
| 8/14/97 10:29 | 29.54 | -87.81 | black tern | 1 |
| 8/14/97 10:31 | 29.53 | -87.81 | sandwich tern | 2 |
| 8/14/97 10:32 | 29.53 | -87.81 | black tern | 1 |
| 8/14/97 10:32 | 29.53 | -87.81 | sandwich tern | 1 |
| 8/14/97 10:33 | 29.53 | -87.81 | black tern | 4 |
| 8/14/97 10:33 | 29.53 | -87.81 | black tern | 1 |
| 8/14/97 10:35 | 29.52 | -87.81 | black tern | 16 |
| 8/14/97 10:35 | 29.52 | -87.81 | black tern | 1 |
| 8/15/97 6:41 | 29.46 | -87.32 | black tern | 1 |
| 8/15/97 6:42 | 29.46 | -87.32 | black tern | 1 |
| 8/15/97 6:43 | 29.47 | -87.32 | black tern | 1 |
| 8/15/97 6:46 | 29.47 | -87.32 | cory's shearwater | 1 |
| 8/15/97 6:52 | 29.48 | -87.31 | black tern | 1 |
| 8/15/97 7:03 | 29.51 | -87.30 | black tern | 1 |
| 8/15/97 7:04 | 29.51 | -87.30 | sandwich tern | 2 |
| 8/15/97 7:08 | 29.52 | -87.30 | black tern | 3 |
| 8/15/97 7:11 | 29.52 | -87.29 | black tern | 3 |
| 8/15/97 7:16 | 29.53 | -87.28 | black tern | 1 |
| 8/15/97 7:16 | 29.53 | -87.28 | black tern | 1 |
| 8/15/97 7:19 | 29.53 | -87.27 | frigatebird sp. | 1 |
| 8/15/97 7:20 | 29.53 | -87.27 | black tern | 1 |
| 8/15/97 7:21 | 29.54 | -87.27 | black tern | 1 |
| 8/15/97 7:21 | 29.54 | -87.27 | black tern | 3 |
| 8/15/97 7:23 | 29.54 | -87.27 | black tern | 1 |
| 8/15/97 7:25 | 29.54 | -87.26 | black tern | 10 |
| 8/15/97 7:28 | 29.55 | -87.26 | black tern | 5 |
| 8/15/97 7:31 | 29.55 | -87.25 | black tern | 2 |
| 8/15/97 7:32 | 29.55 | -87.25 | black tern | 1 |
| 8/15/97 7:32 | 29.55 | -87.25 | black tern | 2 |
| 8/15/97 7:32 | 29.55 | -87.25 | black tern | 1 |
| 8/15/97 7:35 | 29.56 | -87.24 | black tern | 1 |

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|--------------|-------|--------|---------------|----|
| 8/15/97 7:39 | 29.56 | -87.23 | black tern | 5 |
| 8/15/97 7:40 | 29.56 | -87.23 | black tern | 1 |
| 8/15/97 7:41 | 29.57 | -87.23 | black tern | 2 |
| 8/15/97 7:42 | 29.57 | -87.23 | black tern | 1 |
| 8/15/97 7:44 | 29.57 | -87.22 | black tern | 1 |
| 8/15/97 7:44 | 29.57 | -87.22 | black tern | 3 |
| 8/15/97 7:47 | 29.57 | -87.21 | black tern | 1 |
| 8/15/97 7:49 | 29.57 | -87.21 | black tern | 1 |
| 8/15/97 7:51 | 29.57 | -87.20 | black tern | 1 |
| 8/15/97 7:51 | 29.57 | -87.20 | black tern | 1 |
| 8/15/97 7:51 | 29.57 | -87.20 | black tern | 1 |
| 8/15/97 7:53 | 29.57 | -87.20 | black tern | 1 |
| 8/15/97 7:59 | 29.57 | -87.18 | black tern | 1 |
| 8/15/97 8:05 | 29.57 | -87.17 | black tern | 1 |
| 8/15/97 8:10 | 29.57 | -87.18 | black tern | 1 |
| 8/15/97 8:12 | 29.57 | -87.18 | black tern | 1 |
| 8/15/97 8:16 | 29.58 | -87.18 | black tern | 1 |
| 8/15/97 8:18 | 29.58 | -87.18 | black tern | 1 |
| 8/15/97 8:18 | 29.58 | -87.18 | black tern | 1 |
| 8/15/97 8:23 | 29.59 | -87.18 | black tern | 1 |
| 8/15/97 8:26 | 29.60 | -87.17 | black tern | 42 |
| 8/15/97 8:30 | 29.61 | -87.17 | black tern | 1 |
| 8/15/97 8:33 | 29.62 | -87.17 | black tern | 1 |
| 8/15/97 8:43 | 29.64 | -87.16 | black tern | 1 |
| 8/15/97 8:46 | 29.64 | -87.15 | black tern | 4 |
| 8/15/97 8:51 | 29.65 | -87.15 | black tern | 1 |
| 8/15/97 8:52 | 29.65 | -87.15 | black tern | 1 |
| 8/15/97 8:53 | 29.66 | -87.15 | black tern | 1 |
| 8/15/97 9:02 | 29.67 | -87.14 | black tern | 2 |
| 8/15/97 9:05 | 29.68 | -87.14 | black tern | 1 |
| 8/15/97 9:06 | 29.68 | -87.14 | black tern | 1 |
| 8/15/97 9:09 | 29.69 | -87.13 | laughing gull | 1 |
| 8/15/97 9:10 | 29.69 | -87.13 | black tern | 1 |
| 8/15/97 9:12 | 29.69 | -87.13 | black tern | 5 |
| 8/15/97 9:15 | 29.70 | -87.13 | black tern | 1 |
| 8/15/97 9:16 | 29.70 | -87.13 | black tern | 1 |
| 8/15/97 9:17 | 29.70 | -87.13 | black tern | 1 |
| 8/15/97 9:19 | 29.71 | -87.12 | black tern | 1 |
| 8/15/97 9:19 | 29.71 | -87.12 | black tern | 1 |
| 8/15/97 9:20 | 29.71 | -87.12 | black tern | 3 |
| 8/15/97 9:22 | 29.71 | -87.12 | black tern | 16 |
| 8/15/97 9:30 | 29.73 | -87.12 | black tern | 10 |

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| 8/15/97 9:30 | 29.73 | -87.12 | black tern | 3 |
| 8/15/97 9:30 | 29.73 | -87.12 | laughing gull | 1 |
| 8/15/97 9:32 | 29.73 | -87.12 | black tern | 1 |
| 8/15/97 9:37 | 29.74 | -87.11 | black tern | 1 |
| 8/15/97 9:37 | 29.74 | -87.11 | black tern | 2 |
| 8/15/97 9:39 | 29.75 | -87.11 | black tern | 3 |
| 8/15/97 9:40 | 29.75 | -87.11 | black tern | 4 |
| 8/15/97 9:40 | 29.75 | -87.11 | black tern | flock |
| 8/15/97 9:41 | 29.75 | -87.11 | black tern | 1 |
| 8/15/97 9:42 | 29.75 | -87.11 | black tern | 1 |
| 8/15/97 9:43 | 29.75 | -87.11 | black tern | 1 |
| 8/15/97 9:44 | 29.75 | -87.11 | black tern | 1 |
| 8/15/97 9:44 | 29.75 | -87.11 | black tern | 1 |
| 8/15/97 9:44 | 29.75 | -87.11 | black tern | 1 |
| 8/15/97 9:44 | 29.75 | -87.11 | sandwich tern | 2 |
| 8/15/97 9:46 | 29.76 | -87.11 | black tern | 1 |
| 8/15/97 9:46 | 29.76 | -87.11 | black tern | 4 |
| 8/15/97 9:46 | 29.76 | -87.11 | black tern | 1 |
| 8/15/97 9:46 | 29.76 | -87.11 | black tern | 2 |
| 8/15/97 9:46 | 29.76 | -87.11 | black tern | 1 |
| 8/15/97 9:50 | 29.77 | -87.11 | black tern | 7 |
| 8/15/97 9:52 | 29.77 | -87.11 | black tern | 16 |
| 8/15/97 9:54 | 29.77 | -87.10 | black tern | 11 |
| 8/15/97 9:55 | 29.78 | -87.10 | black tern | 1 |
| 8/15/97 9:56 | 29.78 | -87.10 | black tern | 22 |
| 8/15/97 9:59 | 29.79 | -87.10 | black tern | 4 |
| 8/15/97 10:00 | 29.79 | -87.10 | black tern | 5 |
| 8/15/97 10:00 | 29.79 | -87.10 | black tern | 2 |
| 8/15/97 10:01 | 29.79 | -87.10 | black tern | 5 |
| 8/15/97 10:01 | 29.79 | -87.10 | black tern | 3 |
| 8/15/97 10:01 | 29.79 | -87.10 | black tern | 3 |
| 8/15/97 10:02 | 29.79 | -87.10 | black tern | 5 |
| 8/15/97 10:02 | 29.79 | -87.10 | black tern | 5 |
| 8/15/97 10:02 | 29.79 | -87.10 | black tern | 5 |
| 8/15/97 10:03 | 29.79 | -87.10 | black tern | 1 |
| 8/15/97 10:03 | 29.79 | -87.10 | black tern | 3 |
| 8/15/97 10:05 | 29.80 | -87.10 | black tern | 1 |
| 8/15/97 10:06 | 29.80 | -87.10 | black tern | 5 |
| 8/15/97 10:07 | 29.80 | -87.10 | black tern | 1 |
| 8/15/97 10:07 | 29.80 | -87.10 | black tern | 1 |
| 8/15/97 10:09 | 29.81 | -87.10 | black tern | 1 |
| 8/15/97 10:10 | 29.81 | -87.10 | black tern | 2 |

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| 8/15/97 10:10 | 29.81 | -87.10 | black tern | 3 |
| 8/15/97 10:11 | 29.81 | -87.09 | black tern | 1 |
| 8/15/97 10:12 | 29.81 | -87.09 | black tern | 2 |
| 8/15/97 10:12 | 29.81 | -87.09 | black tern | 6 |
| 8/15/97 10:16 | 29.82 | -87.09 | black tern | 2 |
| 8/15/97 10:18 | 29.82 | -87.09 | black tern | 3 |
| 8/15/97 10:19 | 29.82 | -87.09 | arctic or common tern | 1 |
| 8/15/97 10:20 | 29.82 | -87.09 | black tern | 1 |
| 8/15/97 10:20 | 29.82 | -87.09 | black tern | 1 |
| 8/15/97 10:21 | 29.83 | -87.09 | black tern | 2 |
| 8/15/97 10:21 | 29.83 | -87.09 | black tern | 1 |
| 8/15/97 10:23 | 29.83 | -87.09 | black tern | 3 |
| 8/15/97 10:24 | 29.83 | -87.09 | black tern | 1 |
| 8/15/97 10:28 | 29.84 | -87.08 | black tern | 1 |
| 8/15/97 10:28 | 29.84 | -87.08 | black tern | 1 |
| 8/15/97 10:34 | 29.85 | -87.08 | black tern | 3 |
| 8/15/97 10:35 | 29.86 | -87.08 | black tern | 1 |
| 8/15/97 10:37 | 29.86 | -87.08 | black tern | 35 |
| 8/15/97 10:38 | 29.86 | -87.08 | black tern | 2 |
| 8/15/97 10:39 | 29.87 | -87.08 | black tern | 2 |
| 8/15/97 10:40 | 29.87 | -87.08 | black tern | 1 |
| 8/15/97 10:43 | 29.87 | -87.07 | arctic or common tern | 1 |
| 8/15/97 10:43 | 29.87 | -87.07 | black tern | 2 |
| 8/15/97 10:44 | 29.87 | -87.07 | sandwich tern | 1 |
| 8/15/97 10:47 | 29.88 | -87.07 | black tern | 1 |
| 8/15/97 11:03 | 29.92 | -87.06 | black tern | 1 |
| 8/15/97 11:05 | 29.92 | -87.06 | black tern | 2 |
| 8/15/97 11:10 | 29.93 | -87.06 | black tern | 1 |
| 8/15/97 11:22 | 29.96 | -87.05 | laughing gull | 1 |
| 8/15/97 11:25 | 29.96 | -87.05 | black tern | 5 |
| 8/15/97 11:28 | 29.97 | -87.05 | black tern | 1 |
| 8/15/97 11:40 | 29.99 | -87.04 | black tern | 2 |
| 8/15/97 11:43 | 30.00 | -87.04 | laughing gull | 1 |
| 8/15/97 11:45 | 30.01 | -87.04 | black tern | 1 |
| 8/15/97 11:45 | 30.01 | -87.04 | black tern | 2 |
| 8/15/97 11:45 | 30.01 | -87.04 | black tern | 2 |
| 8/15/97 11:56 | 30.03 | -87.03 | black tern | 1 |
| 8/15/97 11:57 | 30.03 | -87.03 | black tern | 2 |
| 8/15/97 12:03 | 30.05 | -87.03 | black tern | 1 |
| 8/15/97 12:07 | 30.05 | -87.03 | black tern | 1 |
| 8/15/97 12:13 | 30.07 | -87.02 | black tern | 1 |
| 8/15/97 12:55 | 30.15 | -86.99 | black tern | 1 |

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|---------------|-------|--------|----------------------|----|
| 8/15/97 13:02 | 30.16 | -86.98 | laughing gull | 2 |
| 8/15/97 13:14 | 30.19 | -86.97 | black tern | 2 |
| 8/15/97 13:14 | 30.19 | -86.97 | black tern | 2 |
| 8/15/97 13:32 | 30.19 | -86.93 | black tern | 1 |
| 8/15/97 13:39 | 30.19 | -86.91 | laughing gull | 1 |
| 8/15/97 14:13 | 30.20 | -86.83 | black tern | 2 |
| 8/15/97 14:28 | 30.21 | -86.78 | black tern | 2 |
| 8/15/97 14:43 | 30.21 | -86.75 | tern sp. | 1 |
| 8/15/97 14:53 | 30.21 | -86.72 | Audubon's shearwater | 1 |
| 8/15/97 15:26 | 30.21 | -86.63 | black tern | 1 |
| 8/15/97 15:32 | 30.21 | -86.61 | Audubon's shearwater | 1 |
| 8/15/97 16:06 | 30.21 | -86.52 | storm-petrel sp. | 1 |
| 8/15/97 16:25 | 30.21 | -86.48 | black tern | 1 |
| 8/15/97 16:42 | 30.21 | -86.43 | tern sp. | 1 |
| 8/16/97 6:35 | 29.89 | -86.44 | royal tern | 1 |
| 8/16/97 6:37 | 29.89 | -86.44 | black tern | 1 |
| 8/16/97 6:46 | 29.89 | -86.44 | black tern | 4 |
| 8/16/97 6:49 | 29.89 | -86.44 | leach's storm-petrel | 1 |
| 8/16/97 6:49 | 29.89 | -86.44 | shearwater sp. | 1 |
| 8/16/97 6:56 | 29.89 | -86.44 | black tern | 1 |
| 8/16/97 6:58 | 29.89 | -86.44 | black tern | 18 |
| 8/16/97 7:03 | 29.89 | -86.44 | storm-petrel sp. | 1 |
| 8/16/97 7:14 | 29.89 | -86.44 | black tern | 3 |
| 8/16/97 7:16 | 29.89 | -86.44 | black tern | 1 |
| 8/16/97 7:16 | 29.89 | -86.44 | black tern | 1 |
| 8/16/97 7:20 | 29.89 | -86.44 | black tern | 1 |
| 8/16/97 7:20 | 29.89 | -86.44 | black tern | 4 |
| 8/16/97 7:24 | 29.89 | -86.44 | black tern | 8 |
| 8/16/97 7:27 | 29.89 | -86.44 | black tern | 2 |
| 8/16/97 7:29 | 29.89 | -86.44 | black tern | 3 |
| 8/16/97 7:33 | 29.89 | -86.44 | black tern | 2 |
| 8/16/97 7:37 | 29.89 | -86.44 | black tern | 3 |
| 8/16/97 7:52 | 29.89 | -86.44 | black tern | 1 |
| 8/16/97 8:27 | 29.89 | -86.44 | storm-petrel sp. | 1 |
| 8/16/97 8:47 | 29.89 | -86.44 | black tern | 3 |
| 8/16/97 9:17 | 29.89 | -86.44 | tern sp. | 1 |
| 8/16/97 9:20 | 29.89 | -86.44 | black tern | 1 |
| 8/16/97 9:48 | 29.89 | -86.44 | black tern | 2 |
| 8/16/97 9:53 | 29.89 | -86.44 | black tern | 1 |
| 8/16/97 9:58 | 29.89 | -86.44 | black tern | 1 |
| 8/16/97 10:26 | 29.89 | -86.44 | black tern | 8 |
| 8/16/97 10:28 | 29.89 | -86.44 | black tern | 1 |

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|---------------|-------|--------|--------------------------|----|
| 8/16/97 10:30 | 29.89 | -86.44 | black tern | 4 |
| 8/16/97 10:32 | 29.89 | -86.44 | black tern | 1 |
| 8/16/97 11:41 | 29.89 | -86.44 | black tern | 10 |
| 8/16/97 13:11 | 29.89 | -86.44 | greater shearwater | 1 |
| 8/16/97 15:50 | 29.86 | -86.68 | black tern | 1 |
| 8/16/97 17:06 | 29.70 | -86.69 | tern sp. | 2 |
| 8/16/97 17:06 | 29.70 | -86.69 | tern sp. | 3 |
| 8/16/97 18:07 | 29.56 | -86.69 | black tern | 2 |
| 8/17/97 14:37 | 28.30 | -86.41 | band-rumped storm-petrel | 1 |
| 8/17/97 15:16 | 28.37 | -86.35 | cory's shearwater | 1 |
| 8/17/97 16:27 | 28.50 | -86.25 | black tern | 1 |
| 8/17/97 16:39 | 28.53 | -86.24 | black tern | 1 |
| 8/17/97 16:52 | 28.55 | -86.22 | bridled or sooty tern | 6 |
| 8/17/97 16:52 | 28.55 | -86.22 | tern sp. | 8 |
| 8/18/97 6:25 | 28.49 | -85.58 | shearwater sp. | 1 |
| 8/18/97 6:34 | 28.47 | -85.59 | black tern | 3 |
| 8/18/97 6:49 | 28.44 | -85.60 | Audubon's shearwater | 1 |
| 8/18/97 6:54 | 28.43 | -85.61 | sooty tern | 1 |
| 8/18/97 6:57 | 28.42 | -85.61 | tern sp. | 3 |
| 8/18/97 7:00 | 28.42 | -85.61 | bridled tern | 2 |
| 8/18/97 7:15 | 28.38 | -85.63 | black tern | 1 |
| 8/18/97 7:26 | 28.36 | -85.64 | sooty tern | 1 |
| 8/18/97 7:35 | 28.35 | -85.65 | sooty tern | 2 |
| 8/18/97 7:43 | 28.35 | -85.67 | sooty tern | 1 |
| 8/18/97 7:58 | 28.34 | -85.66 | sooty tern | 1 |
| 8/18/97 8:03 | 28.32 | -85.67 | bridled or sooty tern | 2 |
| 8/18/97 8:29 | 28.27 | -85.69 | Audubon's shearwater | 1 |
| 8/18/97 8:34 | 28.26 | -85.70 | tern sp. | 1 |
| 8/18/97 8:42 | 28.25 | -85.71 | Audubon's shearwater | 1 |
| 8/18/97 8:42 | 28.25 | -85.71 | black tern | 3 |
| 8/18/97 8:42 | 28.25 | -85.71 | storm-petrel sp. | 1 |
| 8/18/97 8:45 | 28.24 | -85.71 | Audubon's shearwater | 1 |
| 8/18/97 8:45 | 28.24 | -85.71 | bridled or sooty tern | 2 |
| 8/18/97 8:55 | 28.22 | -85.72 | sooty tern | 1 |
| 8/18/97 9:07 | 28.20 | -85.73 | Audubon's shearwater | 1 |
| 8/18/97 9:07 | 28.20 | -85.73 | cory's shearwater | 1 |
| 8/18/97 9:08 | 28.20 | -85.73 | sooty tern | 1 |
| 8/18/97 9:11 | 28.19 | -85.74 | Audubon's shearwater | 2 |
| 8/18/97 9:18 | 28.18 | -85.74 | Audubon's shearwater | 5 |
| 8/18/97 9:18 | 28.18 | -85.74 | Audubon's shearwater | 8 |
| 8/18/97 9:18 | 28.18 | -85.74 | bridled or sooty tern | 1 |
| 8/18/97 9:20 | 28.17 | -85.74 | sooty tern | 1 |

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|---------------|-------|--------|--------------------------|----|
| 8/18/97 9:22 | 28.17 | -85.74 | bridled tern | 1 |
| 8/18/97 9:29 | 28.15 | -85.75 | bridled tern | 4 |
| 8/18/97 9:32 | 28.15 | -85.75 | bridled tern | 1 |
| 8/18/97 9:32 | 28.15 | -85.75 | bridled tern | 2 |
| 8/18/97 9:33 | 28.14 | -85.75 | black tern | 1 |
| 8/18/97 9:33 | 28.14 | -85.75 | bridled tern | 4 |
| 8/18/97 9:34 | 28.14 | -85.75 | black tern | 1 |
| 8/18/97 9:43 | 28.12 | -85.75 | arctic or common tern | 1 |
| 8/18/97 9:44 | 28.12 | -85.75 | bridled tern | 1 |
| 8/18/97 9:54 | 28.11 | -85.76 | bridled tern | 1 |
| 8/18/97 9:57 | 28.11 | -85.77 | Audubon's shearwater | 12 |
| 8/18/97 9:58 | 28.11 | -85.77 | tern sp. | 1 |
| 8/18/97 10:03 | 28.12 | -85.78 | greater shearwater | 1 |
| 8/18/97 11:27 | 28.12 | -85.82 | sooty tern | 1 |
| 8/18/97 11:29 | 28.11 | -85.82 | pomarine jaeger | 1 |
| 8/18/97 11:35 | 28.10 | -85.83 | shearwater sp. | 1 |
| 8/18/97 11:37 | 28.10 | -85.83 | bridled or sooty tern | 1 |
| 8/18/97 12:16 | 28.07 | -85.82 | Audubon's shearwater | 1 |
| 8/18/97 12:22 | 28.05 | -85.83 | bridled tern | 1 |
| 8/18/97 14:39 | 27.85 | -85.90 | band-rumped storm-petrel | 1 |
| 8/18/97 16:03 | 27.78 | -85.80 | band-rumped storm-petrel | 1 |
| 8/18/97 16:03 | 27.78 | -85.80 | band-rumped storm-petrel | 1 |
| 8/18/97 16:07 | 27.77 | -85.79 | bridled tern | 1 |
| 8/18/97 16:16 | 27.76 | -85.78 | band-rumped storm-petrel | 2 |
| 8/18/97 16:56 | 27.70 | -85.70 | sooty tern | 1 |
| 8/18/97 17:01 | 27.69 | -85.69 | band-rumped storm-petrel | 1 |
| 8/18/97 17:25 | 27.69 | -85.64 | band-rumped storm-petrel | 3 |
| 8/18/97 17:33 | 27.70 | -85.62 | band-rumped storm-petrel | 3 |
| 8/19/97 6:27 | 27.77 | -84.96 | sooty tern | 1 |
| 8/19/97 6:53 | 27.78 | -85.00 | sooty tern | 1 |
| 8/19/97 7:33 | 27.72 | -85.07 | Audubon's shearwater | 1 |
| 8/19/97 7:41 | 27.71 | -85.08 | sooty tern | 3 |
| 8/19/97 7:59 | 27.68 | -85.11 | phalarope sp. | 4 |
| 8/19/97 8:29 | 27.63 | -85.16 | gull sp. | 2 |
| 8/19/97 8:39 | 27.61 | -85.17 | black tern | 2 |
| 8/19/97 8:56 | 27.58 | -85.18 | storm-petrel sp. | 1 |
| 8/19/97 9:13 | 27.55 | -85.20 | Audubon's shearwater | 1 |
| 8/19/97 9:13 | 27.55 | -85.20 | black tern | 3 |
| 8/19/97 9:13 | 27.55 | -85.20 | sooty tern | 5 |
| 8/19/97 9:35 | 27.51 | -85.23 | band-rumped storm-petrel | 4 |
| 8/19/97 9:41 | 27.50 | -85.24 | band-rumped storm-petrel | 3 |
| 8/19/97 9:58 | 27.47 | -85.26 | Audubon's shearwater | 1 |

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|---------------|-------|--------|--------------------------|---|
| 8/19/97 9:58 | 27.47 | -85.26 | band-rumped storm-petrel | 1 |
| 8/19/97 9:59 | 27.47 | -85.26 | laughing gull | 1 |
| 8/19/97 10:00 | 27.47 | -85.26 | common tern | 1 |
| 8/19/97 10:05 | 27.46 | -85.26 | black tern | 1 |
| 8/19/97 10:06 | 27.46 | -85.26 | sooty tern | 1 |
| 8/19/97 11:01 | 27.44 | -85.37 | black tern | 1 |
| 8/19/97 11:40 | 27.42 | -85.46 | laughing gull | 1 |
| 8/19/97 11:46 | 27.41 | -85.46 | shearwater sp. | 1 |
| 8/19/97 11:46 | 27.41 | -85.46 | storm-petrel sp. | 1 |
| 8/19/97 12:18 | 27.42 | -85.46 | band-rumped storm-petrel | 1 |
| 8/19/97 12:23 | 27.42 | -85.47 | band-rumped storm-petrel | 2 |
| 8/19/97 12:27 | 27.42 | -85.47 | Audubon's shearwater | 1 |
| 8/19/97 16:06 | 27.39 | -85.94 | band-rumped storm-petrel | 1 |
| 8/19/97 16:09 | 27.39 | -85.95 | band-rumped storm-petrel | 1 |
| 8/19/97 16:15 | 27.39 | -85.97 | band-rumped storm-petrel | 1 |
| 8/19/97 16:28 | 27.39 | -86.00 | black tern | 2 |
| 8/19/97 16:28 | 27.39 | -86.00 | bridled tern | 1 |
| 8/19/97 16:37 | 27.39 | -86.02 | bridled tern | 1 |
| 8/19/97 16:55 | 27.39 | -86.07 | Audubon's shearwater | 2 |
| 8/19/97 16:55 | 27.39 | -86.07 | bridled tern | 2 |
| 8/19/97 16:55 | 27.39 | -86.07 | pomarine jaeger | 1 |
| 8/19/97 16:55 | 27.39 | -86.07 | sooty tern | 1 |
| 8/19/97 18:10 | 27.45 | -86.19 | shearwater sp. | 1 |
| 8/19/97 18:14 | 27.45 | -86.20 | sooty tern | 1 |
| 8/19/97 18:16 | 27.45 | -86.20 | sooty tern | 1 |
| 8/19/97 18:31 | 27.46 | -86.23 | storm-petrel sp. | 1 |
| 8/19/97 18:34 | 27.47 | -86.23 | band-rumped storm-petrel | 1 |
| 8/19/97 18:42 | 27.48 | -86.24 | sandwich tern | 1 |
| 8/19/97 18:48 | 27.49 | -86.24 | band-rumped storm-petrel | 1 |
| 8/20/97 6:15 | 27.45 | -87.04 | Audubon's shearwater | 1 |
| 8/20/97 6:30 | 27.45 | -87.03 | band-rumped storm-petrel | 7 |
| 8/20/97 6:31 | 27.45 | -87.03 | Audubon's shearwater | 1 |
| 8/20/97 6:35 | 27.45 | -87.02 | sooty tern | 1 |
| 8/20/97 6:36 | 27.45 | -87.02 | bridled or sooty tern | 1 |
| 8/20/97 6:40 | 27.45 | -87.02 | band-rumped storm-petrel | 1 |
| 8/20/97 6:53 | 27.43 | -87.00 | sooty tern | 1 |
| 8/20/97 7:31 | 27.39 | -86.99 | Audubon's shearwater | 1 |
| 8/20/97 7:33 | 27.39 | -86.99 | laughing gull | 1 |
| 8/20/97 7:39 | 27.38 | -86.99 | band-rumped storm-petrel | 1 |
| 8/20/97 7:39 | 27.38 | -86.99 | bridled tern | 1 |
| 8/20/97 7:55 | 27.38 | -87.00 | band-rumped storm-petrel | 2 |
| 8/20/97 8:05 | 27.39 | -87.02 | band-rumped storm-petrel | 1 |

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|---------------|-------|--------|--------------------------|----|
| 8/20/97 8:08 | 27.39 | -87.02 | band-rumped storm-petrel | 3 |
| 8/20/97 8:12 | 27.40 | -87.03 | Audubon's shearwater | 1 |
| 8/20/97 8:23 | 27.41 | -87.05 | band-rumped storm-petrel | 1 |
| 8/20/97 8:26 | 27.41 | -87.05 | bridled or sooty tern | 1 |
| 8/20/97 8:28 | 27.41 | -87.05 | bridled or sooty tern | 1 |
| 8/20/97 8:37 | 27.41 | -87.06 | sooty tern | 1 |
| 8/20/97 8:40 | 27.42 | -87.06 | band-rumped storm-petrel | 18 |
| 8/20/97 8:44 | 27.42 | -87.07 | band-rumped storm-petrel | 6 |
| 8/20/97 8:45 | 27.42 | -87.07 | band-rumped storm-petrel | 5 |
| 8/20/97 8:46 | 27.42 | -87.07 | band-rumped storm-petrel | 1 |
| 8/20/97 8:48 | 27.42 | -87.08 | band-rumped storm-petrel | 2 |
| 8/20/97 8:51 | 27.43 | -87.08 | band-rumped storm-petrel | 1 |
| 8/20/97 8:52 | 27.43 | -87.08 | band-rumped storm-petrel | 1 |
| 8/20/97 8:54 | 27.43 | -87.09 | sooty tern | 1 |
| 8/20/97 8:57 | 27.44 | -87.10 | bridled tern | 1 |
| 8/20/97 9:05 | 27.45 | -87.11 | Audubon's shearwater | 1 |
| 8/20/97 9:06 | 27.45 | -87.11 | band-rumped storm-petrel | 1 |
| 8/20/97 9:10 | 27.45 | -87.12 | band-rumped storm-petrel | 1 |
| 8/20/97 9:26 | 27.47 | -87.14 | band-rumped storm-petrel | 2 |
| 8/20/97 9:30 | 27.47 | -87.15 | Audubon's shearwater | 2 |
| 8/20/97 9:38 | 27.47 | -87.16 | band-rumped storm-petrel | 3 |
| 8/20/97 9:40 | 27.47 | -87.17 | tern sp. | 1 |
| 8/20/97 9:42 | 27.47 | -87.17 | bridled or sooty tern | 2 |
| 8/20/97 9:50 | 27.48 | -87.18 | storm-petrel sp. | 3 |
| 8/20/97 9:57 | 27.49 | -87.18 | storm-petrel sp. | 1 |
| 8/20/97 10:04 | 27.50 | -87.19 | bridled or sooty tern | 1 |
| 8/20/97 10:05 | 27.50 | -87.19 | band-rumped storm-petrel | 1 |
| 8/20/97 10:09 | 27.51 | -87.20 | Audubon's shearwater | 1 |
| 8/20/97 10:28 | 27.53 | -87.23 | bridled or sooty tern | 3 |
| 8/20/97 10:28 | 27.53 | -87.23 | sooty tern | 2 |
| 8/20/97 10:28 | 27.53 | -87.23 | sooty tern | 1 |
| 8/20/97 10:32 | 27.53 | -87.24 | band-rumped storm-petrel | 4 |
| 8/20/97 10:32 | 27.53 | -87.24 | bridled or sooty tern | 17 |
| 8/20/97 10:33 | 27.54 | -87.24 | bridled tern | 1 |
| 8/20/97 10:35 | 27.54 | -87.25 | sooty tern | 6 |
| 8/20/97 10:35 | 27.54 | -87.25 | sooty tern | 1 |
| 8/20/97 10:59 | 27.55 | -87.29 | band-rumped storm-petrel | 1 |
| 8/20/97 11:04 | 27.56 | -87.30 | band-rumped storm-petrel | 1 |
| 8/20/97 11:20 | 27.54 | -87.31 | band-rumped storm-petrel | 1 |
| 8/20/97 11:24 | 27.53 | -87.32 | red-billed tropicbird | 1 |
| 8/20/97 11:33 | 27.52 | -87.33 | band-rumped storm-petrel | 2 |
| 8/20/97 11:33 | 27.52 | -87.33 | band-rumped storm-petrel | 3 |

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|---------------|-------|--------|--------------------------|----|
| 8/20/97 11:44 | 27.52 | -87.34 | storm-petrel sp. | 3 |
| 8/20/97 12:50 | 27.60 | -87.46 | storm-petrel sp. | 2 |
| 8/20/97 12:58 | 27.61 | -87.47 | black tern | 2 |
| 8/20/97 13:05 | 27.62 | -87.49 | storm-petrel sp. | 3 |
| 8/20/97 13:12 | 27.62 | -87.50 | phalarope sp. | 1 |
| 8/20/97 13:15 | 27.63 | -87.50 | sooty tern | 2 |
| 8/20/97 13:17 | 27.63 | -87.51 | storm-petrel sp. | 2 |
| 8/20/97 13:22 | 27.64 | -87.51 | tern sp. | 1 |
| 8/20/97 13:57 | 27.69 | -87.56 | bridled tern | 1 |
| 8/20/97 14:11 | 27.71 | -87.58 | bridled tern | 1 |
| 8/20/97 14:29 | 27.74 | -87.61 | bridled or sooty tern | 2 |
| 8/20/97 14:58 | 27.77 | -87.65 | band-rumped storm-petrel | 2 |
| 8/20/97 14:58 | 27.77 | -87.65 | bridled or sooty tern | 3 |
| 8/20/97 15:46 | 27.79 | -87.73 | sooty tern | 1 |
| 8/20/97 16:03 | 27.82 | -87.74 | bridled tern | 1 |
| 8/20/97 16:51 | 27.91 | -87.78 | shearwater sp. | 2 |
| 8/20/97 17:05 | 27.94 | -87.80 | Audubon's shearwater | 1 |
| 8/20/97 17:23 | 27.96 | -87.78 | Audubon's shearwater | 1 |
| 8/20/97 17:55 | 27.98 | -87.75 | shearwater sp. | 1 |
| 8/20/97 18:12 | 28.01 | -87.77 | bridled tern | 3 |
| 8/20/97 18:19 | 28.03 | -87.78 | Audubon's shearwater | 1 |
| 8/20/97 18:35 | 28.05 | -87.80 | bridled or sooty tern | 1 |
| 8/20/97 18:37 | 28.06 | -87.80 | bridled or sooty tern | 1 |
| 8/20/97 19:03 | 28.09 | -87.85 | shearwater sp. | 1 |
| 8/21/97 6:28 | 28.75 | -88.67 | Audubon's shearwater | 1 |
| 8/21/97 6:28 | 28.75 | -88.67 | sooty tern | 1 |
| 8/21/97 6:57 | 28.74 | -88.68 | band-rumped storm-petrel | 1 |
| 8/21/97 7:40 | 28.75 | -88.77 | tern sp. | 2 |
| 8/21/97 7:42 | 28.75 | -88.77 | sooty tern | 3 |
| 8/21/97 7:43 | 28.75 | -88.77 | bridled or sooty tern | 2 |
| 8/21/97 7:55 | 28.75 | -88.80 | shearwater sp. | 1 |
| 8/21/97 7:56 | 28.75 | -88.80 | Audubon's shearwater | 1 |
| 8/21/97 7:59 | 28.75 | -88.80 | Audubon's shearwater | 1 |
| 8/21/97 8:01 | 28.75 | -88.81 | Audubon's shearwater | 1 |
| 8/21/97 8:01 | 28.75 | -88.81 | bridled tern | 2 |
| 8/21/97 8:15 | 28.75 | -88.84 | bridled tern | 2 |
| 8/21/97 8:15 | 28.75 | -88.84 | pomarine jaeger | 1 |
| 8/21/97 8:15 | 28.75 | -88.84 | sooty tern | 2 |
| 8/21/97 8:15 | 28.75 | -88.84 | sooty tern | 10 |
| 8/21/97 8:17 | 28.75 | -88.84 | laughing gull | 1 |
| 8/21/97 8:24 | 28.74 | -88.85 | sooty tern | 1 |
| 8/21/97 8:28 | 28.73 | -88.86 | Audubon's shearwater | 1 |

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|---------------|-------|--------|--------------------------|----|
| 8/21/97 8:33 | 28.73 | -88.86 | bridled or sooty tern | 2 |
| 8/21/97 8:47 | 28.70 | -88.89 | storm-petrel sp. | 3 |
| 8/21/97 8:53 | 28.69 | -88.90 | storm-petrel sp. | 1 |
| 8/21/97 9:01 | 28.67 | -88.92 | Audubon's shearwater | 1 |
| 8/21/97 9:05 | 28.67 | -88.92 | band-rumped storm-petrel | 2 |
| 8/21/97 9:21 | 28.65 | -88.92 | bridled or sooty tern | 1 |
| 8/21/97 9:30 | 28.64 | -88.92 | Audubon's shearwater | 1 |
| 8/21/97 9:37 | 28.62 | -88.92 | Audubon's shearwater | 1 |
| 8/21/97 9:47 | 28.59 | -88.92 | Audubon's shearwater | 2 |
| 8/21/97 9:48 | 28.59 | -88.92 | Audubon's shearwater | 1 |
| 8/21/97 9:49 | 28.59 | -88.92 | Audubon's shearwater | 1 |
| 8/21/97 9:51 | 28.58 | -88.92 | Audubon's shearwater | 2 |
| 8/21/97 9:52 | 28.58 | -88.92 | Audubon's shearwater | 2 |
| 8/21/97 9:52 | 28.58 | -88.92 | Audubon's shearwater | 1 |
| 8/21/97 9:56 | 28.57 | -88.92 | Audubon's shearwater | 2 |
| 8/21/97 9:58 | 28.57 | -88.92 | Audubon's shearwater | 1 |
| 8/21/97 9:59 | 28.57 | -88.92 | Audubon's shearwater | 1 |
| 8/21/97 10:10 | 28.55 | -88.92 | Audubon's shearwater | 1 |
| 8/21/97 10:12 | 28.55 | -88.92 | Audubon's shearwater | 1 |
| 8/21/97 10:13 | 28.55 | -88.92 | band-rumped storm-petrel | 4 |
| 8/21/97 10:23 | 28.52 | -88.92 | Audubon's shearwater | 1 |
| 8/21/97 10:44 | 28.47 | -88.93 | bridled or sooty tern | 1 |
| 8/21/97 11:02 | 28.43 | -88.92 | Audubon's shearwater | 2 |
| 8/21/97 11:07 | 28.41 | -88.92 | band-rumped storm-petrel | 2 |
| 8/21/97 11:54 | 28.29 | -88.92 | bridled or sooty tern | 3 |
| 8/21/97 12:04 | 28.27 | -88.93 | pomarine jaeger | 1 |
| 8/21/97 12:26 | 28.27 | -88.96 | bridled tern | 1 |
| 8/21/97 12:50 | 28.27 | -89.00 | Audubon's shearwater | 1 |
| 8/21/97 12:59 | 28.27 | -89.01 | shearwater sp. | 1 |
| 8/21/97 13:06 | 28.27 | -89.02 | sooty tern | 1 |
| 8/21/97 13:06 | 28.27 | -89.02 | sooty tern | 1 |
| 8/21/97 13:35 | 28.28 | -89.10 | storm-petrel sp. | 2 |
| 8/21/97 13:42 | 28.29 | -89.12 | black tern | 5 |
| 8/21/97 13:57 | 28.30 | -89.16 | Audubon's shearwater | 1 |
| 8/21/97 14:09 | 28.31 | -89.19 | pomarine jaeger | 1 |
| 8/21/97 14:14 | 28.31 | -89.20 | Audubon's shearwater | 1 |
| 8/21/97 14:29 | 28.33 | -89.24 | Audubon's shearwater | 1 |
| 8/21/97 16:08 | 28.41 | -89.50 | sooty tern | 1 |
| 8/21/97 17:13 | 28.44 | -89.69 | bridled tern | 18 |
| 8/21/97 17:45 | 28.47 | -89.78 | bridled or sooty tern | 3 |
| 8/21/97 18:26 | 28.47 | -89.90 | laughing gull | 1 |
| 8/21/97 18:38 | 28.47 | -89.92 | bridled or sooty tern | 1 |

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| 8/22/97 6:47 | 28.78 | -92.18 | sandwich tern | 1 |
| 8/22/97 6:53 | 28.79 | -92.20 | tern sp. | 1 |
| 8/22/97 7:02 | 28.79 | -92.22 | black tern | 1 |
| 8/22/97 7:15 | 28.80 | -92.27 | black tern | 4 |
| 8/22/97 7:54 | 28.82 | -92.38 | black tern | 1 |
| 8/22/97 8:03 | 28.83 | -92.41 | black tern | 1 |
| 8/22/97 8:09 | 28.83 | -92.43 | common tern | 2 |
| 8/22/97 8:15 | 28.84 | -92.45 | frigatebird sp. | 1 |
| 8/22/97 8:23 | 28.84 | -92.47 | tern sp. | 1 |
| 8/22/97 8:33 | 28.85 | -92.50 | frigatebird sp. | 1 |
| 8/22/97 8:34 | 28.85 | -92.50 | royal tern | 1 |
| 8/22/97 8:37 | 28.85 | -92.51 | black tern | 4 |
| 8/22/97 8:40 | 28.85 | -92.51 | royal tern | 1 |
| 8/22/97 8:43 | 28.86 | -92.53 | black tern | 1 |
| 8/22/97 9:30 | 28.88 | -92.67 | black tern | 7 |
| 8/22/97 9:47 | 28.89 | -92.73 | Wilson's storm-petrel | 1 |
| 8/22/97 9:58 | 28.90 | -92.76 | black tern | 3 |
| 8/22/97 9:59 | 28.90 | -92.76 | black tern | 1 |
| 8/22/97 10:13 | 28.91 | -92.80 | black tern | 1 |
| 8/22/97 10:33 | 28.92 | -92.86 | sandwich tern | 1 |
| 8/22/97 10:42 | 28.93 | -92.89 | black tern | 2 |
| 8/22/97 10:50 | 28.93 | -92.91 | black tern | 1 |
| 8/22/97 11:37 | 28.96 | -93.06 | black tern | 1 |
| 8/22/97 11:53 | 28.97 | -93.11 | black tern | 1 |



The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.



The Biological Resources Division Mission

The mission of the Biological Resources Division (BRD) of the U.S. Geological Survey (USGS) is to work with others to provide the scientific understanding and technologies needed to support the sound management and conservation of our Nation's biological resources.



The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The **MMS Royalty Management Program** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.