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A COMPLETE LISTING OF EXPEDITIONS AND DATA COLLECTED FOR THE EASTROPAC CRUISES IN THE EASTERN TROPICAL PACIFIC, 1967-1968

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Introduction

The EASTROPAC expedition was a multinational effort directed towards understanding the oceanography of the eastern tropical Pacific (ETP). Between 20°N and 20°S, from the American continents to 120°W during 1967 and 1968 a total of 36 vessels were deployed to the ETP (Figure 1). Most were from United States Institutions, but a few were from Latin American nations sharing interest in the fisheries supported by the area (Appendix 1). The EASTROPAC expedition was an effort to describe the seasonal variation in physical and biological oceanography, something that had never been attempted before (see references). Here we summarize each cruise of the expedition, provide figures of cruise tracks, and a complete inventory of data collected, their status availability, and contact information.

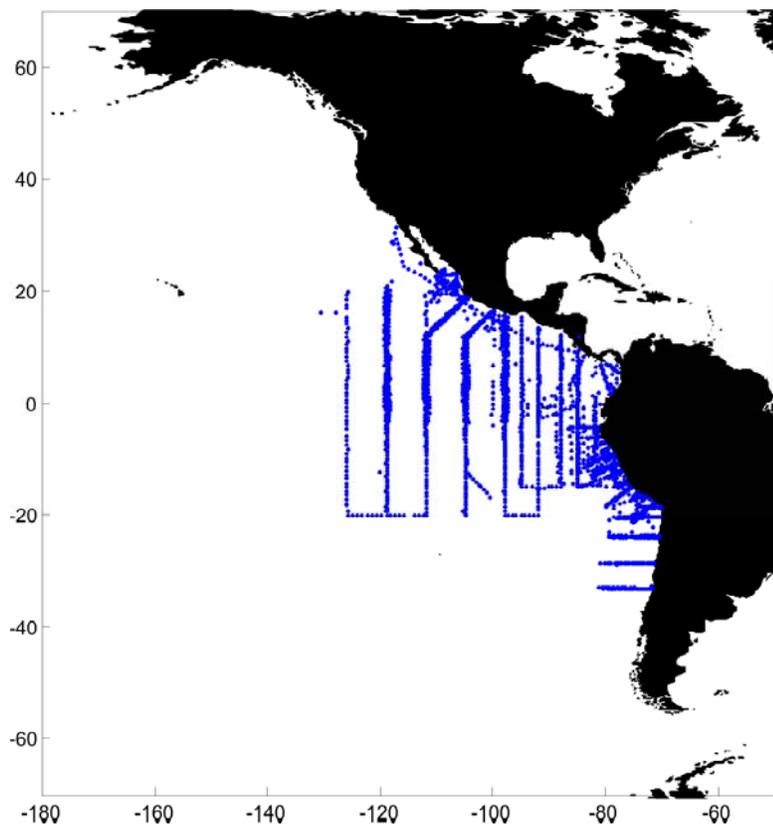


Figure 1. Cruise tracks of all 36 cruises of the 1967-68 EASTROPAC expedition.

Table 1 - Listing of all Eastropac cruises and dates

Expedition	Cruise No.	Year	Vessel	Institution (see Appendix)	Start date	End date
Eastropac	11	1967	Argo	SIO, USA	25-Jan-67	4-Mar-67
Eastropac	12	1967	Jordan	NOAA, USA	12-Feb-67	21-Mar-67
Eastropac	13	1967	Rockaway	US Coast Guard	1-Feb-67	23-Mar-67
Eastropac	14	1967	Alaminos	Texas A&M, USA	31-Jan-67	3-Apr-67
Eastropac	20	1967	Jordan	NOAA, USA	13-Apr-67	26-May-67
Eastropac	30	1967	Jordan	NOAA, USA	16-Jun-67	27-Jul-67
Eastropac	45	1967	Washington	SIO, USA	3-Aug-67	15-Sep-67
Eastropac	46	1967	Undaunted	NOAA, USA	16-Aug-67	27-Sep-67
Eastropac	47	1967	Rockaway	US Coast Guard	1-Aug-67	23-Sep-67
Eastropac	50	1967	Jordan	NOAA, USA	20-Oct-67	27-Nov-67
Eastropac	60	1967	Jordan	NOAA, USA	21-Dec-67	1-Feb-68
Eastropac	75	1968	Washington	SIO, USA	18-Feb-68	12-Apr-68
Eastropac	76	1968	Jordan	NOAA, USA	21-Feb-68	30-Mar-68
Eastropac	77	1967	Rockaway	US Coast Guard	30-Jan-68	18-Apr-68
Eastropac	6702	1967	Unanue	Instituto del Mar, Peru	5-Feb-67	3-Mar-67
Eastropac	6708	1967	Unanue	Instituto del Mar, Peru	25-Aug-67	24-Sep-67
Eastropac	6802	1968	Unanue	Instituto del Mar, Peru	6-Feb-68	8-Mar-68
Eastropac	56706	1967	Davis	NOAA, USA	10-Mar-67	1-Apr-67
Eastropac	ETP-1	1967	Huayaipе	Instituto Nacional de Pesca, Ecuador	24-Jun-67	2-Jul-67
Eastropac	ETP-2	1967	Huayaipе	Instituto Nacional de Pesca, Ecuador	19-Oct-67	28-Oct-67
Eastropac	ETP-3	1968	Huayaipе	Instituto Nacional de Pesca, Ecuador	8-Feb-68	18-Feb-68
Eastropac	Marchile V	1967	Yelcho	Instituto Hidrografico de la armada, Chile	21-Feb-67	26-Mar-67
Eastropac	Marchile VI	1967	Yelcho	Instituto Hidrografico de la armada, Chile	2-Sep-67	29-Sep-67
Eastropac	Marchile-VII	1968	Yelcho	Instituto Hidrografico de la armada, Chile	6-Mar-68	26-Mar-68
Eastropac	MZ-4	1967	Yolanda	Dir Gen de Pesca, Mexico	10-Jan-67	14-Jan
Eastropac	MZ-5	1967	Yolanda	Dir Gen de Pesca, Mexico	16-Feb-67	20-Feb-67
Eastropac	MZ-6	1967	Yolanda	Dir Gen de Pesca, Mexico	14-Apr-67	18-Apr-67
Eastropac	MZ-7	1967	Defiance	Dir Gen de Pesca, Mexico/NOAA, USA	22-Jun-67	29-Jun-67
Eastropac	MZ-8	1967	Tuxpan	Dir Gen de Pesca, Mexico	23-Aug-67	27-Aug-67
Eastropac	OP	1967	Oceanographer	Env Sci Serv Admin, USA	14-Nov-67	26-Nov-67
Eastropac	VI	1968	Esmeralda	Instituto Hidrografico de la armada, Chile	12-Feb-68	4-Mar-68
Eastropac	XIII	1967	Te Vega	Stanford University, USA	27-Jan-67	25-Feb-67
Eastropac	XIV	1967	Te Vega	Stanford University, USA	7-Apr-67	24-May-67
Eastropac	XV	1967	Te Vega	Stanford University, USA	7-Jul-67	13-Jul-67
Eastropac	XVI	1967	Te Vega	Stanford University, USA	13-Nov-67	13-Nov-67
Eastropac	XVII	1968	Te Vega	Stanford University, USA	19-Jan-68	4-Mar-68

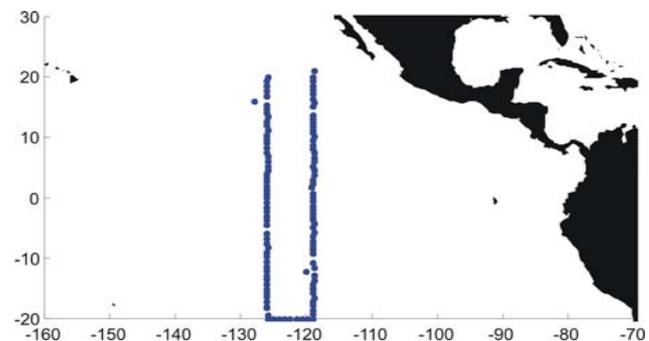
Table 2 - Listing of all data collected, status, and contact information per cruise

EASTROPAC expedition - Cruise- 11 RV-Argo (SIO) Jan-Mar-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	155	Data processed and available
Nansen cast*	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	126	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	183	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame; ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	121	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	120	Halobates have been sorted out; ichthyoplankton need to be resorted
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	64	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	33	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	31	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	65	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable

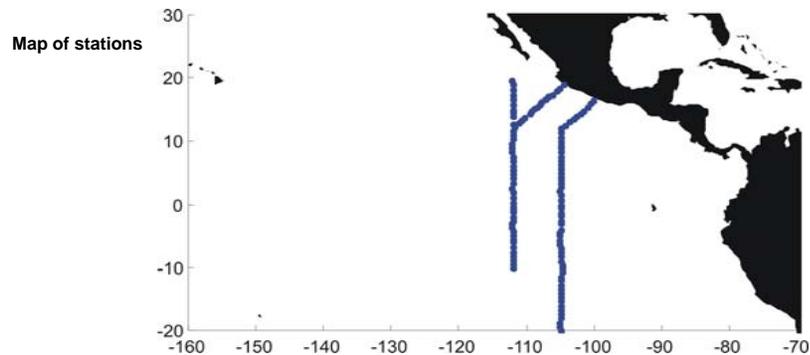
* Temperature measurements on Nansen casts were made with reversing thermometers. Two protected thermometers were used on each Nansen bottle, and their results averaged if the values were within 0.10°C above 300 meters depth or within 0.05°C below 300meters. Depths of Nansen bottles were determined with pairs of protected and unprotected reversing thermometers. Depths for the observations were obtained by drawing L-Z curves and reading off the accepted depths.

Map of stations



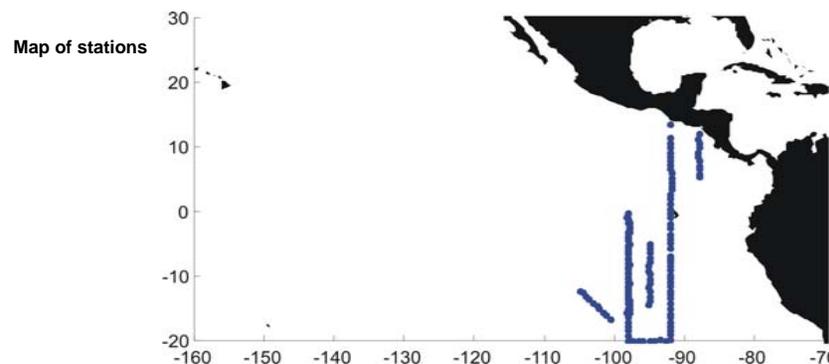
EASTROPAC expedition - Cruise- 12 RV-Jordan (NOAA) Feb-Mar-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	2	Data processed and available
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	154	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	120	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station.	National Oceanographic Data Center http://www.nodc.noaa.gov	103	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	119	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	118	Halobates have been sorted out; ichthyoplankton need to be resorted
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	62	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	14	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	30	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	65	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



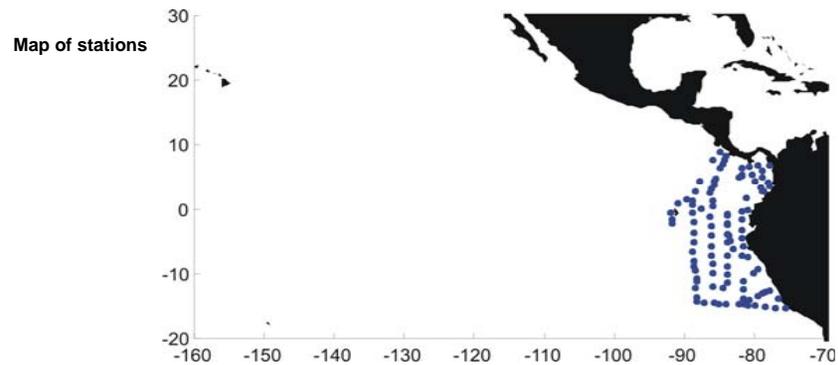
EASTROPAC expedition - Cruise- 13 RV-Rockaway (USCG) Feb-Mar-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	226	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	142	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	156	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame; ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	140	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	140	Halobates have been sorted out; ichthyoplankton need to be resorted
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	27	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	25	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	68	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



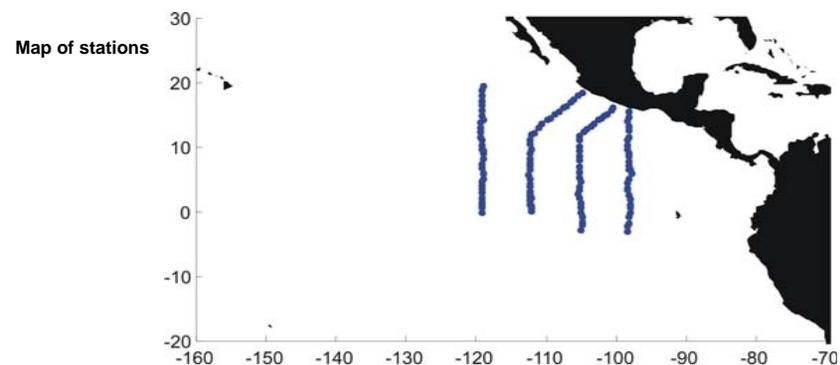
EASTROPAC expedition - Cruise- 14 RV-Alaminos (Texas A&M) Jan-Apr 1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	183	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	339	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	105	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	99	Halobates have been sorted out; ichthyoplankton need to be resorted
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	78	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	45	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	44	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	69	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



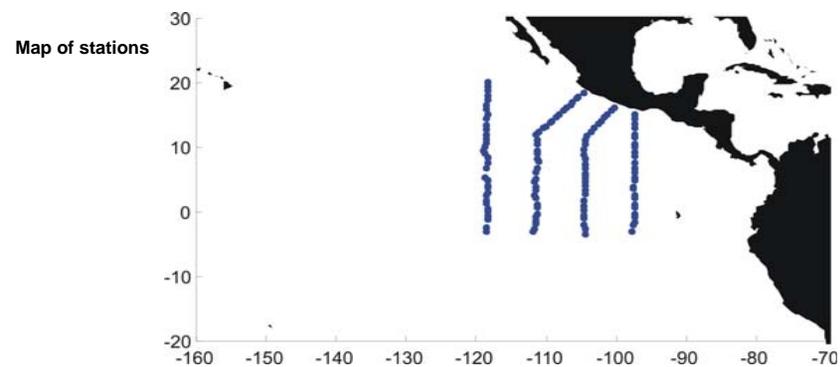
EASTROPAC expedition - Cruise- 20 RV-Jordan (NOAA) Apr-May-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	81	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	129	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station.	National Oceanographic Data Center http://www.nodc.noaa.gov	183	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	128	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	127	Halobates have been sorted out; ichthyoplankton need to be resorted.
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification.	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	57	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	31	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	34	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	33	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



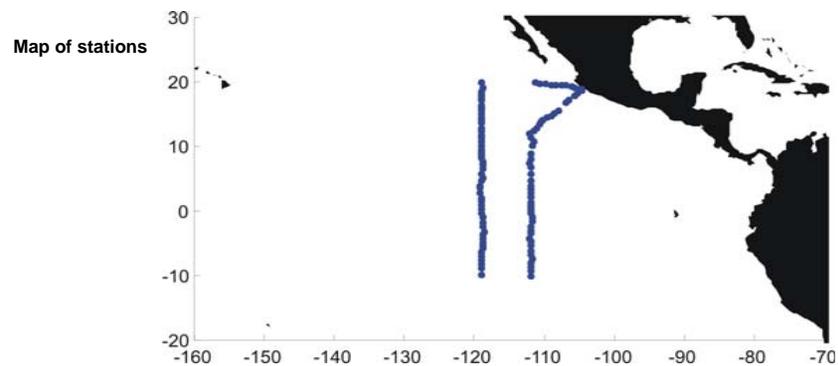
EASTROPAC expedition - Cruise- 30 RV-Jordan (NOAA) Jun-Jul-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	149	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	149	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	92	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	127	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	126	Halobates have been sorted out; ichthyoplankton need to be resorted
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification.	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	66	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	33	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	67	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	67	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



EASTROPAC expedition - Cruise- 45 RV-Washington (SIO) Aug-Sep-1967

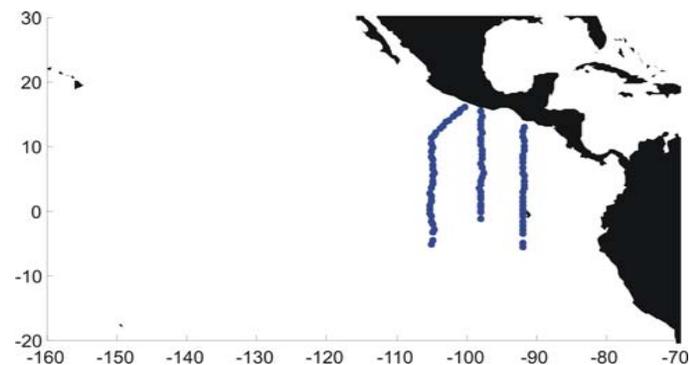
<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	198	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	116	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station.	National Oceanographic Data Center http://www.nodc.noaa.gov	246	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	102	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	89	Halobates have been sorted out; ichthyoplankton need to be resorted
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	93	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	NA	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	20	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast.	National Oceanographic Data Center http://www.nodc.noaa.gov	47	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



EASTROPAC expedition - Cruise- 46 RV-Undaunted (NOAA) Aug-Sep-1967

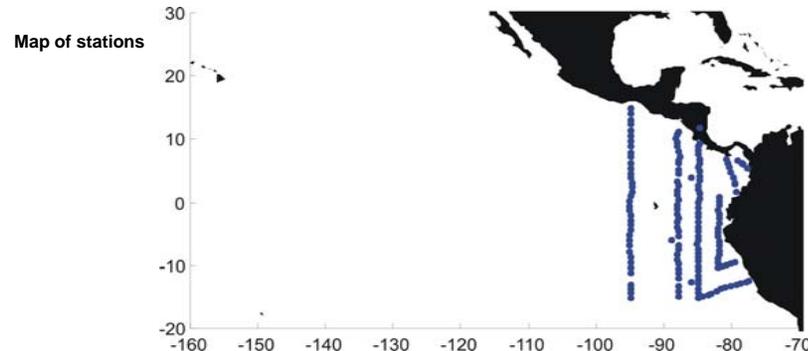
<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	105	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	96	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	141	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	95	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	33	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	26	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	25	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	48	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable

Map of stations



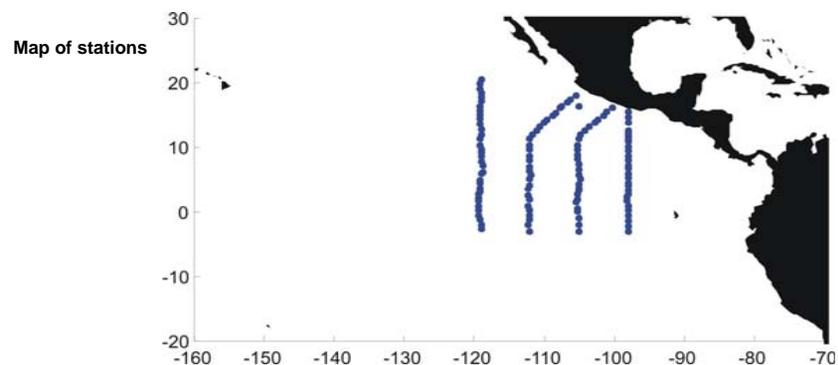
EASTROPAC expedition - Cruise- 47 RV-Rockaway (USCG) Aug-Sep-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	10	Data processed and available
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	241	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	157	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	263	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	152	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	155	Halobates have been sorted out; ichthyoplankton need to be resorted
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	79	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	39	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	35	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	81	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



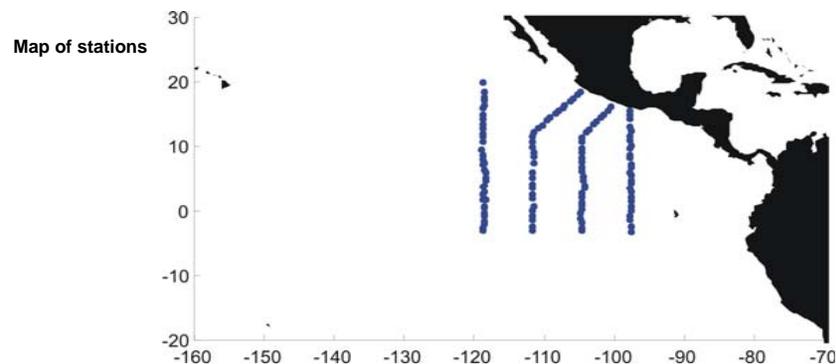
EASTROPAC expedition - Cruise- 50 RV-Jordan (NOAA) Oct-Nov-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	73	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	125	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	179	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	125	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow.	Annie Townsend, SIO Collections http://collections.ucsd.edu	121	Halobates have been sorted out; ichthyoplankton need to be resorted.
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	45	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	30	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	32	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	63	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



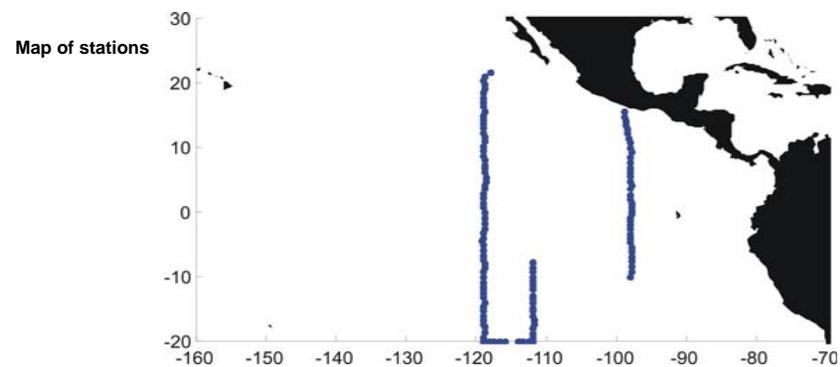
EASTROPAC expedition - Cruise- 60 RV-Jordan (NOAA) Dec-1967 - Feb-1968

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	111	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	117	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	156	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	116	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	112	Halobates have been sorted out; ichthyoplankton need to be resorted
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	63	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	31	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	31	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	63	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



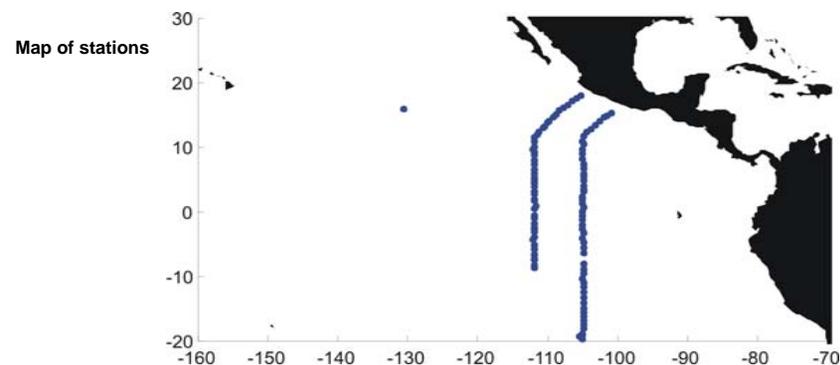
EASTROPAC expedition - Cruise- 75 RV-Washington (SIO) Feb-Apr -1968

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	182	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	122	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	163	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	126	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	108	Halobates have been sorted out; ichthyoplankton need to be resorted
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	59	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	30	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	31	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	60	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



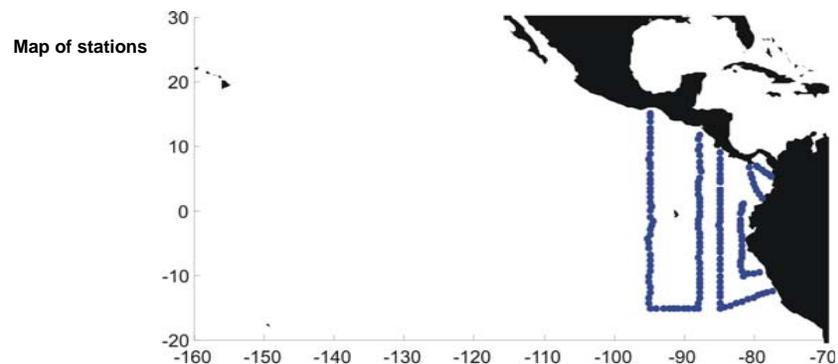
EASTROPAC expedition - Cruise- 76 RV-Jordan (NOAA) Feb-Mar-1968

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	84	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	105	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	135	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	102	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	101	Halobates have been sorted out; ichthyoplankton need to be resorted
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	52	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	25	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	27	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	50	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



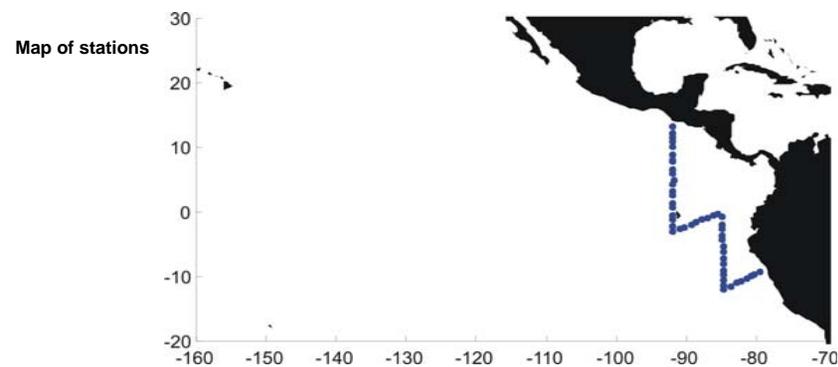
EASTROPAC expedition - Cruise- 77 RV-Rockaway (USCG) Jan-Apr-1968

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	265	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	165	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	293	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	182	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow	Annie Townsend, SIO Collections http://collections.ucsd.edu	157	Halobates have been sorted out; ichthyoplankton need to be resorted
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - SIO Collections http://collections.ucsd.edu Bill Watson - NMFS SWFSC	89	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	42	NA
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	42	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	81	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



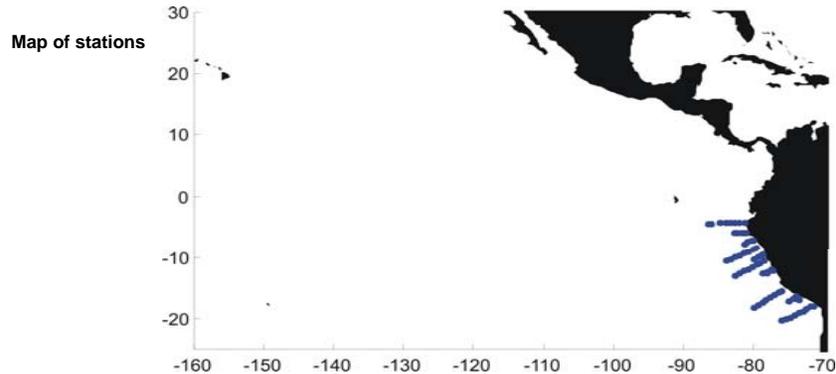
EASTROPAC expedition - Cruise- OP RV-Oceanographer (USA) Nov-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	133	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	50	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	71	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Zooplankton volume displacement in electronic form; ichthyoplankton samples at SWFSC, Bill Watson - NMFS SWFSC and NODC - http://www.st.nmfs.noaa.gov/plankton , plankton samples at SIO, Annie Townsend - SIO Collections http://collections.ucsd.edu	50	Zooplankton volume displacements have been processed; ichthyoplankton need to be resorted
Surface plankton tows	Manta net tow.		49	Halobates have been sorted out; ichthyoplankton need to be resorted.
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Annie Townsend - http://collections.ucsd.edu Bill Watson - NMFS SWFSC	39	Larger fish sorted out, but quantification unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	13	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	13	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	26	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



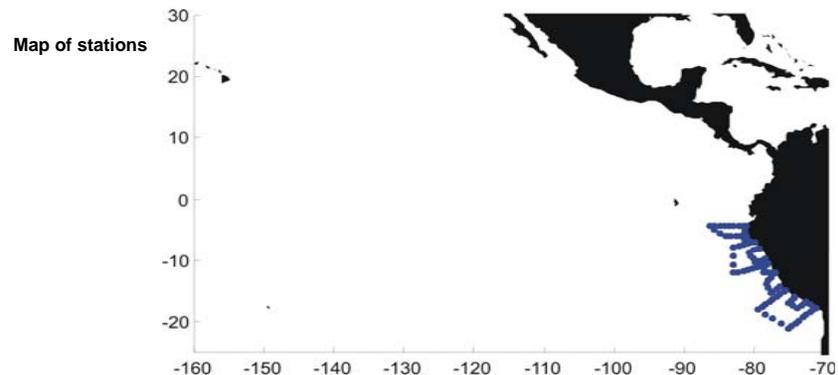
EASTROPAC expedition - Cruise- 6702 RV-Unanue (Peru) Feb-Mar-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	150	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	66	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Instituto del Mar del Peru	150	Unknown
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	150	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	150	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



EASTROPAC expedition - Cruise- 6708 RV-Unanue (Peru) Aug-Sep-1967

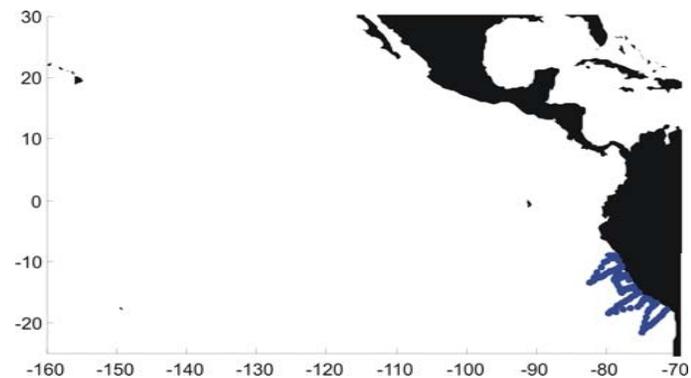
<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	96	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	96	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Instituto del Mar del Peru	49	Unknown
Surface plankton tows	Manta net tow	Instituto del Mar del Peru	49	Data processed and available
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Instituto del Mar del Peru	96	Data processed and available
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	96	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	14	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	59	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



EASTROPAC expedition - Cruise- 6802 RV-Unanue (Peru) Feb-Mar-1968

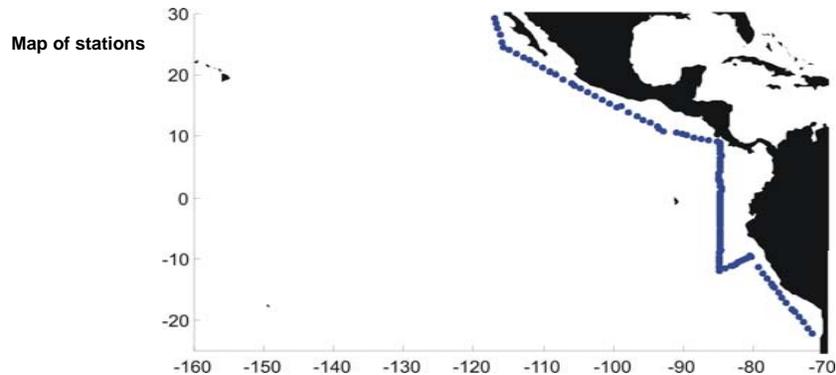
<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	119	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	50	Data processed and available
Surface plankton tows	Manta net tow	Instituto del Mar del Peru	121	Unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	121	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	2	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	29	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable

Map of stations



EASTROPAC expedition - Cruise- 56706 RV-Davis (NOAA) Mar-Apr -1967

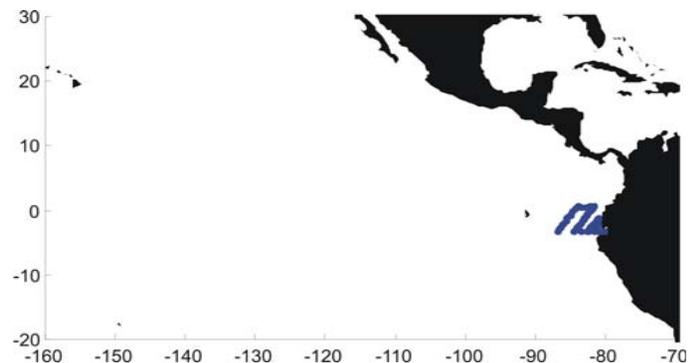
<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
XBT	Expendable baythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	86	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	16	Data processed and available
Ramsey cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	58	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	15	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	16	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



EASTROPAC expedition - Cruise- Eastropac-1 RV-Huayaipae (Ecuador) Jan-Mar-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	69	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	27	Data processed and available
Surface plankton tows	Manta net tow	Instituto Nacional de Pesca de Ecuador	5	Data processed, zooplankton volume displacements available
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	14	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable

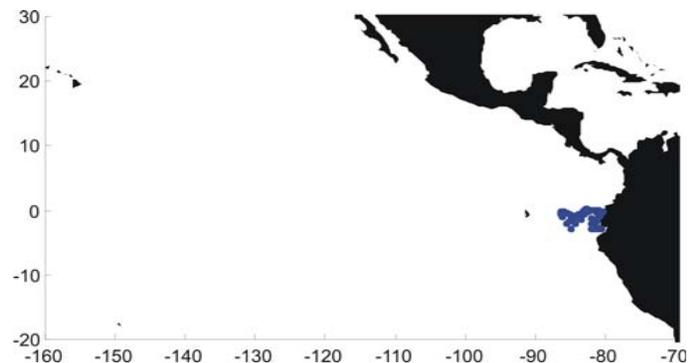
Map of stations



EASTROPAC expedition - Cruise- Eastropac-2 RV-Huayaipae (Ecuador) Oct-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	34	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	25	Data processed and available
Surface plankton tows	Manta net tow	Instituto Nacional de Pesca de Ecuador	8	Data processed, zooplankton volume displacements available
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	12	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable

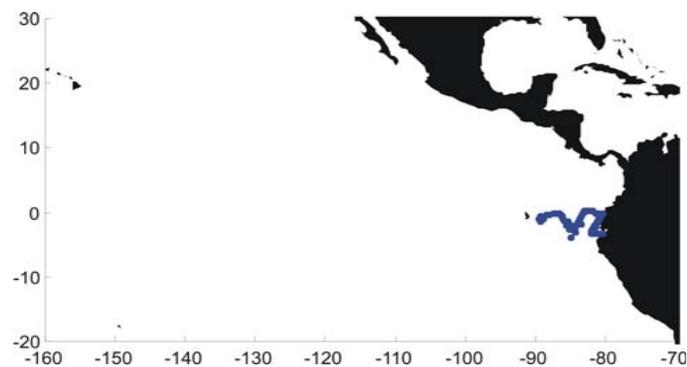
Map of stations



EASTROPAC expedition - Cruise- Eastropac-3 RV-Huayaipae (Ecuador) Feb-1968

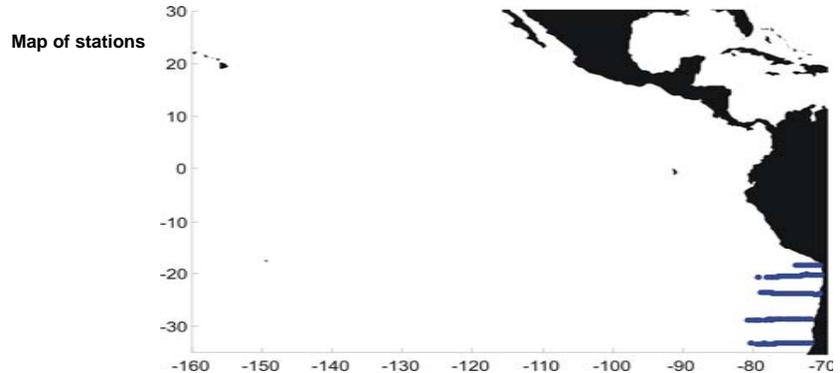
<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	69	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	27	Data processed and available
Surface plankton tows	Manta net tow	Instituto Nacional de Pesca de Ecuador	5	Data processed, zooplankton volume displacements available
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	14	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable

Map of stations



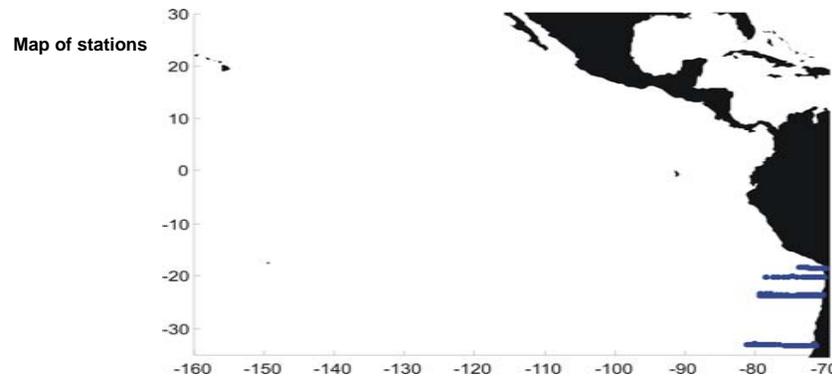
EASTROPAC expedition - Cruise- Marchile V RV-Yelcho (Chile) Feb-Mar-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	110	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Instituto Hidrografico de la Armada de Chile/Colecciones at Universidad de Concepcion Chile	27	Unknown
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	29	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



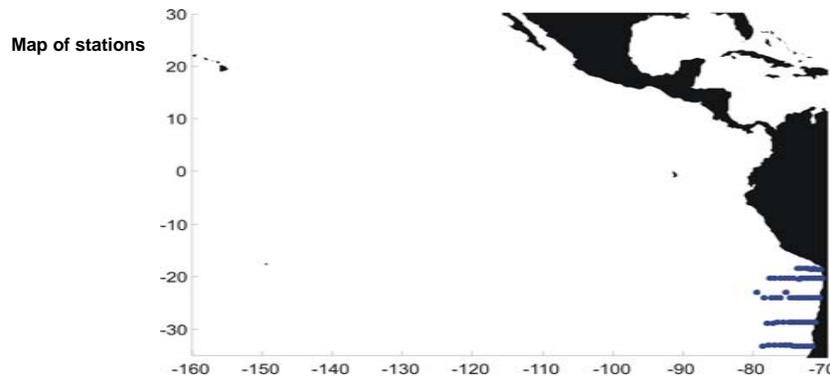
EASTROPAC expedition - Cruise- Marchile VI RV-Yelcho (Chile) Sep-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	108	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	109	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Instituto Hidrografico de la Armada de Chile/Colections at Universidad de Concepcion Chile	23	Unknown
Surface plankton tows	Manta net tow	Instituto Hidrografico de la Armada de Chile/Colections at Universidad de Concepcion Chile	23	Unknown
Oblique micronekton tows	From 200m depth to surface; oblique tows of 1.5 meter square subpyramidal net w/5.5x2.5 mm mesh utilized for micronekton displacement volume and quantification	Instituto Hidrografico de la Armada de Chile/Colections at Universidad de Concepcion Chile	30	Unknown
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	30	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



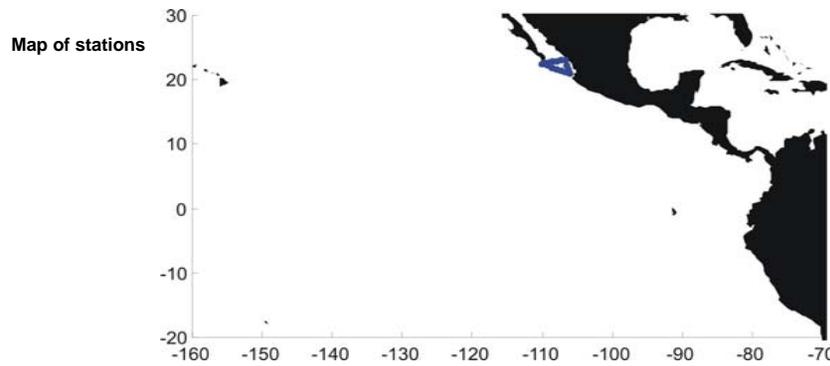
EASTROPAC expedition - Cruise- Marchile VII RV-Yelcho (Chile) Mar-1968

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	83	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	81	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Instituto Hidrografico de la Armada de Chile/Colecciones at Universidad de Concepcion Chile	14	Unknown
Surface plankton tows	Manta net tow	Instituto Hidrografico de la Armada de Chile/Colecciones at Universidad de Concepcion Chile	21	Unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	46	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	59	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



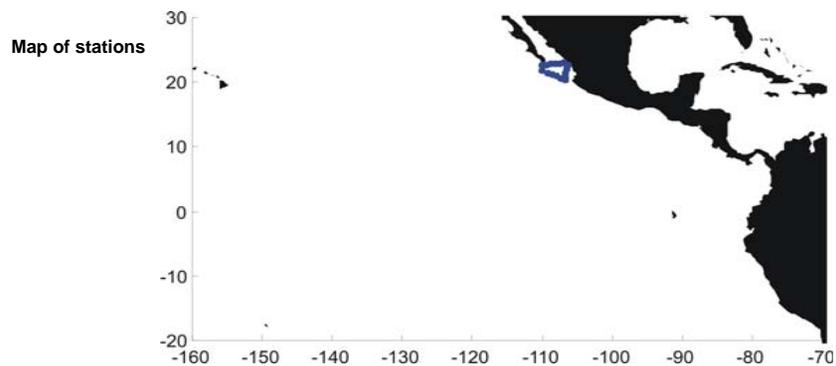
EASTROPAC expedition - Cruise- MZ-4 RV-Yolanda (Mex) Jan-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	16	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	16	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	16	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Universidad Autonoma de Mexico	16	Unknown
Surface plankton tows	Manta net tow	Universidad Autonoma de Mexico	16	Unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	3	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



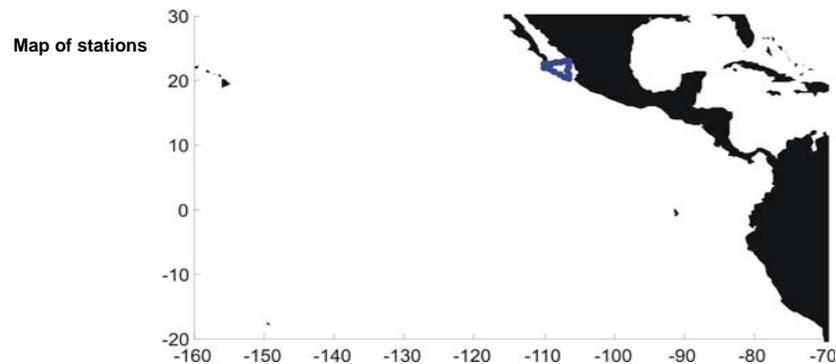
EASTROPAC expedition - Cruise- MZ-5 RV-Yolanda (Mex) Feb-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	16	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	15	Data processed and available
TDS cast	Temperature density and salinity depth profiles taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	15	Data processed and available
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	1	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



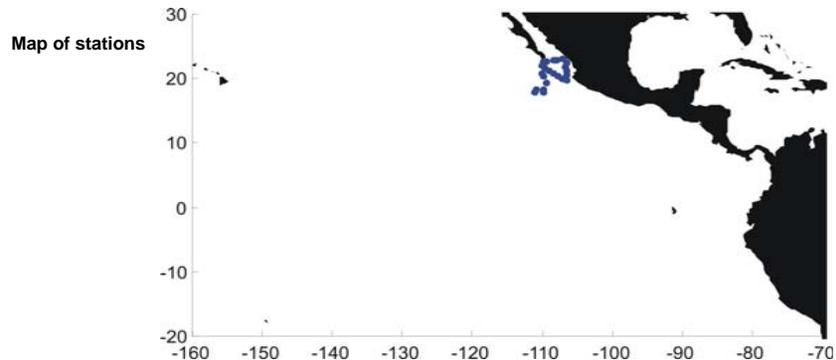
EASTROPAC expedition - Cruise- MZ-6 RV-Yolanda (Mex) Apr-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	16	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	17	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Universidad Autonoma de Mexico	15	Unknown
Surface plankton tows	Manta net tow	Universidad Autonoma de Mexico	15	Unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	4	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	3	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	15	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



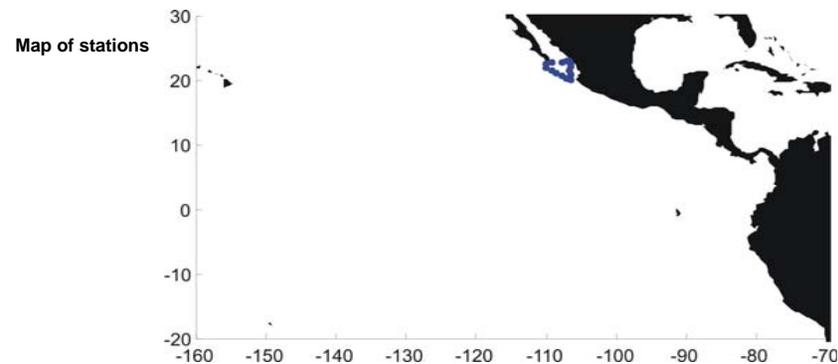
EASTROPAC expedition - Cruise- MZ-7 RV-Defiance (Mex/USA) June-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	24	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	24	Data processed and available
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	12	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	6	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	22	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



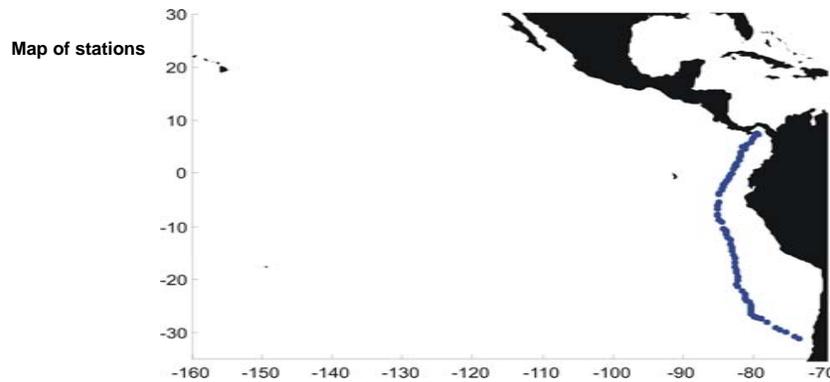
EASTROPAC expedition - Cruise- MZ-8 RV-Tuxpan (Mex) Aug-1967

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable bathythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	16	Data processed and available
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	16	Data processed and available
Oblique plankton tows	From 200m depth to surface; ½- and 1-m diameter subconical nets in a paired frame: ½-m net w/333 micron mesh utilized for zooplankton displacement volume, 1-m net w/505 micron mesh utilized for fish eggs and larvae quantification	Universidad Autonoma de Mexico	2	Unknown
Surface plankton tows	Manta net tow	Universidad Autonoma de Mexico	2	Unknown
Secchi disc	Light attenuation depth	National Oceanographic Data Center http://www.nodc.noaa.gov	9	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	4	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	16	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



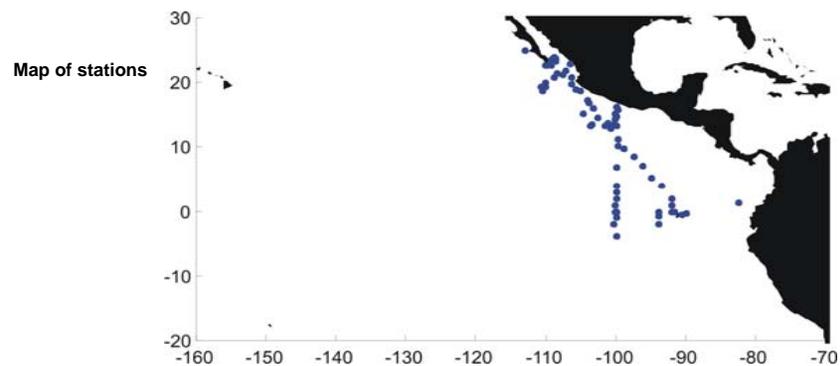
EASTROPAC expedition - Cruise- VI RV-Esmeralda (Chile) Feb-Mar-1968

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
BT	Retrievable batythermograph	National Oceanographic Data Center http://www.nodc.noaa.gov	81	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



EASTROPAC expedition - Cruises- Te Vega V, Te Vega VI, Te Vega VII, RV-Te Vega (Stanford-USA) Jan-1967-Mar-1968

<i>Data type</i>	<i>Field collection details</i>	<i>Location of data and contact information</i>	<i>Number of samples</i>	<i>Status of data</i>
Nansen cast	Water samples for nutrient and productivity analyses, taken from casts deployed while on station	National Oceanographic Data Center http://www.nodc.noaa.gov	68	Data processed and available
Productivity	Carbon-14 incubations done with water samples taken from Nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	40	Data processed and available
Chlorophyll	Chlorophyll and phaeophytin concentrations, from surface samples and samples from nansen cast	National Oceanographic Data Center http://www.nodc.noaa.gov	48	Data processed and available
Marine birds and Mammals	Data on abundance and distribution were collected by observers using visual methods	Lisa Ballance SWFSC	NA	Unreliable



Appendix

Contact information of participating institutions

SIO - Scripps Institution of Oceanography - Pelagic Invertebrates Collection
Scripps Institution of Oceanography
University of California, San Diego 0227
9500 Gilman Drive
La Jolla, CA 92093-0227, U.S.A.
Phone: 858-534 2071 Fax: 858-534 6500
<http://sio.ucsd.edu/>

NOAA - National Oceanographic Atmospheric Administration
Southwest Fisheries Science Center
8604 La Jolla Shores Drive
La Jolla, California 92037-1508
Phone: (858) 546-7000 Fax: (858) 546-7003
<http://swfsc.nmfs.noaa.gov>

USCG - United States Coast Guard
Historian's Office, G-IPA-4
U.S. Coast Guard Headquarters
2100 Second Street, SW
Washington, DC 20593-0001
<http://www.uscg.mil/USCG.shtm>

Texas A&M University Galveston
PO Box 1675
Galveston, Texas 77553-1675
<http://www.tamug.edu/>

Instituto del Mar de Peru
Esquina de Gamarra y General Valle S/N Chucuito Callao, Peru
Phone: (051) 420-2000
<http://www.imarpe.gob.pe/imarpe/>

Instituto Nacional de Pesca de Ecuador
<http://www.inp.gov.ec/marco.htm>
Letamendi 102 y La Ría

P.O. Box 09-04-15131
Guayaquil - Ecuador
Phone: (593-4) 2401773 Fax: (593-4) 2402304

Instituto Hidrografico de la Armada de Chile (Former name)
Servicio Hidrográfico y Oceanográfico de la Armada de Chile – SHOA (current name)
Calle Errazuriz 254
Cerro Playa Ancha
Casilla 324 Valpariso, Chile
Phone: (56) 32-266666 Fax: (56) (3) 226-6542
<http://www.shoa.cl/>

Direccion General de Pesca de Mexico
Pitagoras 1320, 7° PISO
Col. Santa Cruz Atoyac
Delegacion Benito Juarez
c.p. 03310 Mexico, D.F.
Phone: 54 22 30 42 Fax: 54 22 30 18
<http://inp.semarnat.gob.mx/>

Environmental Science Service Administration
United States Geological Survey
Woods Hole Science Center
384 Woods Hole Road
Quissett Campus
Woods Hole, MA 02543-1598
Phone: 508-548-8700 or 508-457-2200
http://walrus.wr.usgs.gov/infobank/programs/html/organizations2idshtml/e/ESSA_ids.html

Hopkins Marine Station; Stanford
University
Oceanview Boulevard
Pacific Grove, CA 93950-3094
Phone: (831) 655-6200 Fax :(831)
375-0793
<http://www-marine.stanford.edu/>

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6500
William.Watson@noaa.gov

References

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- Love, C., M, B. A. Taft, and R. M. Laurs. 1970. Biological and nutrient chemistry data from principal participating ships, first and second monitor cruises, April-July 1967. Eastropac Atlas **4**.
- Love, C., M, B. A. Taft, and R. M. Laurs. 1971a. Biological and nutrient chemistry data from principal participating ships, first survey cruise, February-March 1967. Eastropac Atlas **2**.
- Love, C., M, B. A. Taft, and R. M. Laurs. 1971b. Physical oceanographic and meteorological data from principal participating ships, first and second monitor cruises, April-July 1967. Eastropac Atlas **3**.
- Love, C., M, B. A. Taft, and R. M. Laurs. 1972a. Biological and nutrient chemistry data from principal participating ships, second survey cruise, August-September 1967. Eastropac Atlas **6**.
- Love, C., M, B. A. Taft, and R. M. Laurs. 1972b. Physical oceanographic and meteorological data from principal participating ships, second survey cruise, August-September 1967. Eastropac Atlas **5**.
- Love, C., M, B. A. Taft, and R. M. Laurs. 1972c. Physical oceanographic and meteorological data from principal participating ships, first survey cruise February-March 1967. Eastropac Atlas **1**.
- Love, C., M, B. A. Taft, and R. M. Laurs. 1973. Physical oceanographic and meteorological data from principal participating ships and Oceanographer, third and fourth monitor cruises, October 1967-January 1968. Eastropac Atlas **7**.
- Love, C., M, B. A. Taft, and R. M. Laurs. 1974. Biological and nutrient chemistry data from principal participating ships and Oceanographer, third and fourth monitor cruises, October 1967-January 1968. Eastropac Atlas **8**.
- Love, C., M, B. A. Taft, and R. M. Laurs. 1975a. Biological and nutrient chemistry data from principal participating ships, third survey cruise, February-March 1968. Eastropac Atlas **10**.
- Love, C., M, B. A. Taft, and R. M. Laurs. 1975b. Data from Latin American cooperating ships and ships of opportunity, all cruises, February 1967-March 1968. Eastropac Atlas **11**.
- Love, C., M, B. A. Taft, and R. M. Laurs. 1975c. Physical oceanographic and meteorological data from principal participating ships, third survey cruise, February-March 1968. Eastropac Atlas **9**.