

National Report on JODC's Activities about GODAR-WESTPAC

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Introduction

Japan Oceanographic Data Center (JODC) established in 1965. Since then, JODC has been fulfilling the role of the synthetic marine data bank of Japan. JODC has also been carrying out the role of international cooperation and ocean data service as the National Oceanographic Data Center (NODC) of Japan, under the framework of International Oceanographic Data and Information Exchange (IODE) promoted by IOC. And also, JODC had been in charge of the Responsible National Oceanographic Data Center (RNODC), which manages the data from international project such as the IOC Regional Committee for the Western Pacific (WESTPAC) programme and so on, as well as NODC of Japan. However, the IODE decided to abolish the RNODCs and the IODE Regional Coordinator system at the IODE-XVIII. Thus, the systems were abolished in 2005. As an interim measure, JODC has been maintaining the RNODC for WESTPAC based on the recommendation at the IOC/WESTPAC-VI.

As one of the fundamental activities of Japanese NODC, JODC has located the oceanographic data stored in paper forms such as reports which had submitted by the research organizations, digitized the data, and made them available for the public user.

In this report, we present our activities concerning to GODAR-WESTPAC project, and the collected data in recent years.

Method

To locate, rescue and make available the marine data from the domestic of Japan that is in danger of being lost, JODC has explained GODAR-WESTPAC project in the meeting: "Japanese National Group for Oceanographic Data and Information Exchange" and the other meetings. And also, JODC has appealed that data should be submitted to us, through the publications and so on.

Data Rescue

JODC had made the rescue of many data until 2004. For example, there was Hydrographic Department before and during World War II era (1939-1944). This data includes about 12,000 points of serial stations. These data have already been digitized, and are now available on J-DOSS (JODC Data On-line Service System).

JODC also had made the rescue of the following data until 2004.

- CTD Data and Bottle Sampling Data
by Ocean Research Institute, University of Tokyo
- Data observed by Hiroshima University
- Data observed by National Fisheries University
- Tide data as Historic Data of Hydrographic Department
- Plankton Data by The Chiba Prefectural Environmental Research Center (CPERC)
- Hokkaido University Long-Term Fisheries and Oceanographic Data Base

JODC collected the following data after 2nd International Workshop for GODAR-WESTPAC in 2004.

- Ocean Research Institute, The University of Tokyo:
..... CTD, Depth, SD, ADCP (1967-2003)
- National Fisheries University:CTD, XBT and DBT (1980-2002)
- Faculty of Fisheries, Hokkaido University:SD, Plankton (1957-2001)
- Tohoku University:..... Zooplankton (1949-1990)
- Tokyo University Corporation,
Tokyo University of Marine Science and Technology:.....SD, ADCP (1993-1994)
- Nagasaki Institute of Applied Sciences: SD (1965-1968)
- Hiroshima University: SD (1981-1991)
- Japan Meteorological Agency: SD (1928-1930)
- Fisheries Agency, Japan Meteorological Agency and so on.: SD (1951-1952)
- Chiba Prefectural Environmental Research Center: Plankton (1983-1994)
- Fisheries Research Agency Marine Fisheries Research and Development Center
(JAMARC):CTD, XBT, ADCP, etc. (1988-1990)
- Old Japan Navy: SD (1931-1947)
- Hydrographic and Oceanographic Department, Japan Coast Guard: Tide (1943-1963)
- Tohoku Regional Development Bureau: Tide (1943-1964)
- Marine Traffic Department, Japan Coast Guard: Wave, Swell (1905-1991)
- Meteorological Observatory South Sea Bureau West Caroline Island Japan:
..... Tide (1926-1929 and 1937-1939)
- Japan Agency for Marine-Earth Science and Technology (JAMSTEC):
..... CTD (1993-1996)
- ECOMIC Project:Marine biology, SD (1993-1996)
- New Energy and Industrial Technology Development Organization (NEDO):
..... SD (1990-2001)

Conclusion

JODC is continuously digitizing submitted data. Results would be available on completion of the processing.