Roles of NME (Nippon Maritime Enterprises) Research Associates during Deep Sea Research Cruises

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Abstract

NME Research Associates often participate in scientific research cruises conducted by JAMSTEC (Japan Agency for Marine-Earth Science and Technology) on science parties’ demands. Research associates are responsible for the management of various scientific data such as geo-magnetic data, gravity data, navigational data and image data obtained during the cruises.

These data are gathered by sensors prepared by scientists, or those attached to the research vessels and to such manned and unmanned deep submergence vehicles as “Shinkai 6500” and “Kaiko”. To ensure the scientific application of those data, Data inventory sheets are made, in which information about the conditions under which data are obtained and auxiliary data necessary for scientific use of the data are written. Some times primary data quality controls are also done for the decisions of the survey strategy on board.

Jobs of research associates onboard the vessel will also be introduced and a flow chart will be shown.