



CRUISE SUMMARY REPORT

The Cruise Summary Report is a general purpose form for reporting on measurements and samples collected at sea. It is used to support a global, first level, inventory of data collected at sea and to provide ready access for scientists, programme managers and data managers alike to timely information on who has collected what, when and where. The resulting global summaries of measurements made will be available to scientists and planners through World and National Data Centres and to the Programme Offices of international programmes.

The Cruise Summary Report replaces the ROSCOP (2nd edition), and should be used for cruises ending after January 1st, 1991, although its use prior to that date is strongly encouraged.

For research cruises and voyages of ships of opportunity, it is generally expected that one report will be completed for each port to port operation. It is intended that the report should be completed by the chief scientist(s), or appropriate ship's officer, just before returning to port and that it should be sent as soon as practicable after completion of the cruise or observational programme to:

Please affix the name and address of the collating centre to which the completed report should be submitted

If no address is provided in the above box, then please send to one of the following (as arranged):

- * Your National Oceanographic Data Centre or designated agency.
- or * World Data Centre A, Oceanography, NOAA, Washington DC 20235, USA.
- or * World Data Centre B, Oceanography, 6, Koroleva Street, Obninsk 249020, USSR.
- or * World Data Centre D, Oceanography, 77 Qi Wei Road, Hedong District, Tianjin, China
- or * ICES Service Hydrographique, Palaegade 2-4, 1261 Copenhagen K, Denmark.

Further copies of these forms may be obtained from any of the above centres.

CODE LIST OF DATA TYPES

In order to assist computer-based retrieval of information on the data reported on Cruise Summary Reports, you are requested to assign against each of the entries made on Page 2 ("Moored, bottom mounted gear and drifting systems") and Page 3 ("Summary of measurements and samples taken") one or more data type codes from the following list.

Please note that the list is restricted to the more common types of oceanographic data. For those data types not included on the list you are requested to use codes D90, H90, P90, B90, M90, and G90 (for other types of physical oceanography, chemical oceanography, contamination, biology & fisheries, meteorology, and geology & geophysics data respectively).

For some entries you will find that only one code is required (e.g. for BTs, only H13 is needed), while for others a string of codes may be appropriate (e.g. for water bottle stations with measurements of temperature, salinity, oxygen, nitrate and phosphate, the codes H09, H21, H24 and H22 would be assigned to the entry).

PHYSICAL OCEANOGRAPHY

H71 Surface measurements underway (T, S)
 H13 Bathythermograph drops
 H09 Water bottle stations
 H10 CTD stations
 H11 Subsurface measurements underway (T, S)
 H72 Thermistor chain
 H16 Transparency (e.g. transmissometer)
 H17 Optics (e.g. underwater light levels)
 H73 Geochemical tracers (e.g. freons)
 D01 Current meters
 D71 Current profiler (e.g. ADCP)
 D03 Currents measured from ship drift
 D04 GEK
 D05 Surface drifters / drifting buoys
 D06 Neutrally buoyant floats
 D09 Sea level measurements (including bottom pressure recorders and inverted echo-sounders)
 D72 Instrumented wave measurements
 D90 Other physical oceanographic measurements

CHEMICAL OCEANOGRAPHY

H21 Oxygen
 H74 Carbon dioxide
 H33 Other dissolved gases
 H22 Phosphates
 H23 Total-P
 H24 Nitrates
 H25 Nitrites
 H75 Total-N
 H76 Ammonia
 H26 Silicates
 H27 Alkalinity
 H28 pH
 H30 Trace elements
 H31 Radioactivity
 H32 Isotopes
 H90 Other chemical oceanographic measurements

CONTAMINATION

P01 Suspended matter
 P02 Trace metals
 P03 Petroleum residues
 P04 Chlorinated hydrocarbons
 P05 Other dissolved substances
 P12 Bottom deposits
 P13 Contaminants in organisms
 P90 Other contaminant measurements

BIOLOGY & FISHERIES

B01 Primary productivity
 B02 Phytoplankton pigments (e.g. chlorophyll, fluorescence)
 B71 Particulate organic matter (e.g. POC, PON)
 B06 Dissolved organic matter (e.g. DOC)
 B72 Biochemical measurements (e.g. lipids, aminoacids)
 B73 Sediment traps
 B08 Phytoplankton
 B09 Zooplankton
 B03 Seston
 B10 Neuston
 B11 Nekton
 B13 Eggs / larvae
 B07 Pelagic bacteria / micro-organisms
 B16 Benthic bacteria / micro-organisms
 B17 Phytobenthos
 B18 Zoobenthos
 B25 Birds
 B26 Mammals & reptiles
 B14 Pelagic fish
 B19 Demersal fish
 B20 Molluscs
 B21 Crustaceans
 B28 Acoustic reflection on marine organisms
 B37 Taggings
 B64 Gear research
 B65 Exploratory fishing
 B90 Other biological / fishery measurements

METEOROLOGY

M01 Upper air observations
 M02 Incident radiation
 M05 Occasional standard measurements
 M06 Routine standard measurements
 M71 Atmospheric chemistry
 M90 Other meteorological measurements

GEOLOGY & GEOPHYSICS

G01 Dredge
 G02 Grab
 G03 Core - rock
 G04 Core - soft bottom
 G08 Bottom photography
 G71 In-situ seafloor measurements
 G72 Geophysical measurements made at depth (below near surface and above seafloor)
 G73 Single-beam echosounding
 G74 Multi-beam echosounding
 G24 Long/short range side scan sonar
 G75 Single channel seismic reflection
 G76 Multichannel seismic reflection
 G26 Seismic refraction
 G27 Gravity measurements
 G28 Magnetic measurements
 G90 Other geological or geophysical measurements

<h1 style="margin: 0;">CRUISE SUMMARY REPORT</h1>		FOR COLLATING CENTRE USE Centre: _____ Ref. No: _____ Is data exchange restricted? <input type="checkbox"/> Yes <input type="checkbox"/> In part <input type="checkbox"/> No																	
SHIP enter the full name and international radio call sign of the ship from which the data were collected, and indicate the type of ship, for example, research ship; ship of opportunity, naval survey vessel; etc.																			
Name: _____ Call Sign: _____ Type of ship: _____																			
CRUISE NO. /NAME _____		enter the unique number, name or acronym assigned to the cruise (or cruise leg, if appropriate).																	
CRUISE PERIOD start (set sail) _____ to _____ end (return to port) <table style="width: 100%; border: none; font-size: x-small;"> <tr> <td style="width: 12.5%; border: 1px solid black;"></td> <td style="width: 12.5%; border: 1px solid black;"></td> <td style="width: 12.5%; border: 1px solid black;"></td> <td style="width: 12.5%; border: 1px solid black;"></td> <td style="width: 12.5%; border: 1px solid black;"></td> <td style="width: 12.5%; border: 1px solid black;"></td> <td style="width: 12.5%; border: 1px solid black;"></td> <td style="width: 12.5%; border: 1px solid black;"></td> </tr> <tr> <td style="text-align: center;">day</td> <td style="text-align: center;">month</td> <td style="text-align: center;">year</td> <td colspan="3" style="text-align: center;">to</td> <td style="text-align: center;">day</td> <td style="text-align: center;">month</td> <td style="text-align: center;">year</td> </tr> </table>											day	month	year	to			day	month	year
day	month	year	to			day	month	year											
PORT OF DEPARTURE (enter name and country) _____																			
PORT OF RETURN (enter name and country) _____																			
RESPONSIBLE LABORATORY enter name and address of the laboratory responsible for coordinating the scientific planning of the cruise.																			
Name: _____ Address: _____ Country: _____																			
CHIEF SCIENTIST(S) enter name and laboratory of the person(s) in charge of the scientific work (chief of mission) during the cruise. _____ _____																			
OBJECTIVES AND BRIEF NARRATIVE OF CRUISE enter sufficient information about the purpose and nature of the cruise so as to provide the context in which the reported data were collected. _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____																			
PROJECT (IF APPLICABLE) if the cruise is designated as part of a larger scale cooperative project (or expedition or programme), then enter the name of the project, and of the organisation responsible for coordinating the project.																			
Project name: _____ Coordinating body: _____																			

TRACK CHART: You are strongly encouraged to submit, with the completed report, an annotated track chart illustrating the route followed and the points where measurements were taken.

Insert a tick (✓) in this box if a track chart is supplied.

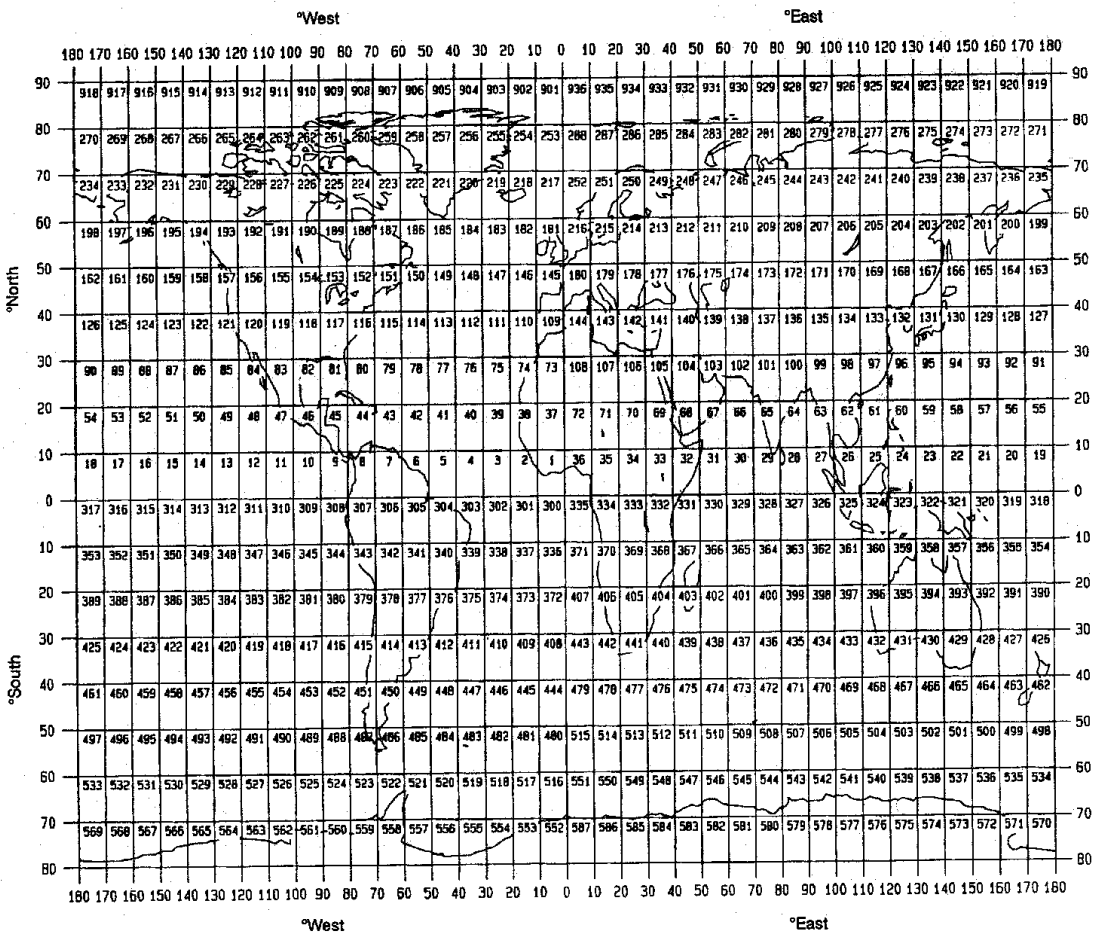
GENERAL OCEAN AREA(S): Enter the names of the oceans and/or seas in which data were collected during the cruise - please use commonly recognised names (see, for example, International Hydrographic Bureau Special Publication No. 23, 'Limits of Oceans and Seas').

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SPECIFIC AREAS: If the cruise activities were concentrated in a specific area(s) of an ocean or sea, then enter a description of the area(s). Such descriptions may include references to local geographic areas, to sea floor features, or to geographic coordinates.

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GEOGRAPHIC COVERAGE - INSERT 'X' IN EACH SQUARE IN WHICH DATA WERE COLLECTED



THANK YOU FOR YOUR COOPERATION

Please send your completed report without delay to the collating centre indicated on the cover page