



Catalogue of regularly issued Marine Environ-
mental Data Products for the ICES Area. 1977 Issue

Compiled by
ICES Hydrographer

In accordance with an ICES Resolution (C.Res.1971/4:1, (c)) a simple descriptive catalogue of ongoing marine environmental data synopses and services in the ICES area is being compiled on a continuing basis. The 1977 version is appended. In such cases where there has been no response to the request for updating, the information of the 1976 version has been taken to be still valid.

As in the immediately foregoing years the catalogue has been split up into two parts, for real-time and non-real-time products respectively, and the tabular form has been used for presentation of the information received.

At its meeting in 1975 the Council agreed that examples of each data product should, whenever feasible, be provided to the Service Hydrographique, especially for synoptic, real-time products. At any rate each country should furnish specific national addresses from which information concerning the products, or the products themselves, could be obtained. A list of addresses is therefore appended.

Adresses of Producing Agencies

AES Atmospheric Environment Service Ice Central
4905 Dufferin Street, Downsview, Ontario M3H 5T4
Canada

AOL Atlantic Oceanographic Laboratory
Bedford Institute of Oceanography
P.O. Box 1006, Dartmouth, N.S. B2Y 4A2
Canada

COB Centre Océanologique de Bretagne
B.P. 337
29.273 Brest Cedex
France

DHI Deutsches Hydrographisches Institut
Postfach 220
2000 Hamburg 4
Federal Republic of Germany

DMI Dansk Meteorologisk Institut
Lyngbyvej 100
2100 København Ø
Denmark

DW Deutscher Wetterdienst
Seewetteramt
Offenbach
Federal Republic of Germany

FBS Fishery Board of Sweden
Hydrographic Department
Fack
S-403 10 Göteborg
Sweden

FHI Fiskeridirektoratets Havforskningsinstitutt
Nordnesparken 2
P.O. Box 1870-72
5011 Bergen-Nordnes
Norge

FLL Fisheries Laboratory
Lowestoft
Suffolk NR 33 OHT
England

HMS Ministry of Fisheries of USSR
Hydrometeorological Service
12 Rozhdestvensky Boulevard
Moscow K-45
U.S.S.R.

HRNN Hydrographer of the Royal Netherlands Navy
Badhuisweg 171
Den Haag
The Netherlands

HRS Hafrannsóknastofnunin
Skúlagata 4
P.O. Box 390
Reykjavik
Island

IMGW Instytut Meteorologii i Gospodarki Wodnej
Waszyngtona 42
81-342 Gdynia
Poland

IMR Institute of Marine Research
P.O. Box 166
SF-00141 Helsinki 14
Finland

IWB Institut für Wasserwirtschaft
Berlin
German Democratic Republic

KNMI Koninklijk Nederlands Meteorologisch Instituut
Utrechtseweg 297
De Bilt
The Netherlands

MN Météorologie Nationale
77, Rue de Sèvres
92106 Boulogne-Billancourt Cedex
France

MO U.K. Meteorological Office
Headquarters Annexe
Eastern Road
Bracknell, Berkshire RG12 2UR
England

MWS Moroccan Weather Service
Casablanca
Morocco

NESS NOAA National Environmental Satellite Service
Washington, D.C. 20031
U.S.A.

NMC U.S. National Meteorological Center
U.S.A.

NMFS NOAA NMFS Atlantic Environmental Group
U.S.A.

NMI Norsk Meteorologisk Institutt
Blindern
Oslo 3
Norway

NWS NOAA National Weather Service
Washington, D.C.
U.S.A.

NWSC Naval Weather Service Command
U.S.A.

RWS Rijkswaterstaat
Directorate of Water Management and Hydraulich Research
Physical Department
Hooftskade 1
Den Haag
The Netherlands

SH ICES Service Hydrographique
Charlottenlund Slot
DK-2920 Charlottenlund
Denmark

SMHI Sveriges Meteorologiska och Hydrologiska Institut
Hydrologiska Byrån, HBO
S-601-01 Norrköping
Sweden

UCG Department of Oceanography
University College
Galway
Ireland

USCG U.S. Coast Guard Oceanographic Unit
Bldg. 159-E
Navy Yard Annex
Washington, D.C. 20590
U.S.A.

WKS Wasserwirtschaftsdirektion Küste
Stralsund
German Democratic Republic

Part I

Real-Time Data Products

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Canada	1. SST	2/week		Chart		AOL	
	2. Significant wave data			Chart		AOL	
	3. Significant wave data (forecasts for 6,12, 24,36 hrs.)			Charts		AOL	
	4. Ice conditions	daily	Gulf of St.Lawrence	Chart	FAX Broadcast	AES	Late December to mid-April
	5. Ice conditions	daily	Gulf of St.Lawrence	Report	Marine Radio Broadcast	AES	Late Dec.to mid-April also available on telex; includes forecast changes. May be aerial observation or current conditions
	6. Ice conditions	daily	East Newfoundland	Chart	FAX Broadcast	AES	January to June
	7. Ice conditions	daily	East Newfoundland	Report	FAX Broadcast	AES	Jan.to June also available on telex; incl. forecast changes. May be aerial observation or current conditions
	8. Ice conditions	3 times weekly	Eastern Seabord	Chart	By mail	AES	Incl.southern Labrador

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	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Canada (cont.)	9. Ice conditions	daily	Northern Labrador	Chart	FAX Broadcast	AES	July may be aerial observations or current conditions
	10. Ice conditions	daily	Hudson Strait and Approaches	Report	Marine Radio Broadcast	AES	July to October. Weekly after major ice clears. Also available on telex
	11. Iceberg limits	daily	Strait of Belle Isle area	Report	Marine Radio Broadcast	AES	June to October or end of season
Denmark	1. Ice	daily	Cape Farewell and occasionally W and E Greenland waters	Chart	By FAX	DMI	Aerial reconnaissance
	2. Ice	daily	Greenland	Report	Broadcast	DMI	Observ. from shore stations and latest aerial reconnaissance
	3. Ice	3/week	Greenland	Report	By mail (in Danish)	DMI	Observ. from shore stations and latest aerial reconnaissance
Finland	1. Water level	2/day	9 Finnish harbours	Report	Broadcast (in Finnish) 2/day	IMR	With ref. to MSL

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Finland (cont.)	2. SST	2/week	N. Baltic Gulf of Finland Gulf of Bothnia	Chart	By FAX and by mail	IMR	1 Oct-15 May (approx.)
	3. Ice conditions	daily	Whole Baltic	Chart	By FAX	IMR	During winter months
	4. Ice conditions	2/week	Whole Baltic	Chart	By mail	IMR	During winter months
	5. Ice conditions	4-5/week	Whole Baltic	Report	By telex (in English) daily. Broadcast (in Finnish and English) daily. By mail (in Finnish, Swedish and English) 4-5/week	IMR	During winter months
France	1. SST at 12 GMT	daily	North Atlantic	Chart	By FAX at 0205 GMT	MN	Model: SST Method: Carstensen
	2. State of Sea (forecasts for 12, 36, 48 hrs.)	daily	North Atlantic	Charts	By FAX at 0205 GMT		Model: DSA 5
	3. SST at 06 and 18 GMT	daily	Bay of Biscay and adjacent Atlantic region	Charts	Non	COB	Model: SSTGASC Method: Carstensen
Germ. Dem. Rep.	1. Ice conditions	daily	Baltic Sea	Report	By mail	WKS	During winter period

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Produc- ing Agency	Comments
Germany, Fed. Rep. of	1. Ice	Monday to Friday	Baltic Skagerrak Coastal areas of North Sea	Report	By mail	DHI	During winter and spring
	2. Ice	on request	Western Baltic	Chart	By FAX 2/day	DHI	During winter
	3. Outline of ice distrib- ution	2/week	Baltic	Chart	By mail	DHI	During winter and spring
	4. Outline of ice edges	2-3/week	Newfound- land Banks region.	Chart	By FAX 2/day	DHI	Generally Jan. to July
	5. SST	weekly	North Sea and adjacent areas	Chart	By mail, and by FAX 2/day	DHI	
	6. Bottom tem- perature	when suf- ficient data	North Sea	Chart	By mail	DHI	Up to 3 times a year
Netherlands	1. Waves	daily	North Atlantic	Chart	(Limited)	KNMI	
	2. SST	weekly	North Sea	Chart	(Limited)	HRNN	

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Norway	1. Sea and swell forecast	2/day	North Sea (drilling positions)			NMI	
	2. Ship routing	on request	North Atlantic			NMI	For selected ships
Poland	1. Ice conditions	3-6/week	Baltic Sea	Bulletin	Baltic Sea countries	IMGW	During winter period
	2. Ice conditions	2/week	Baltic Sea	Chart	Baltic Sea countries	IMGW	During winter period
Sweden	1. Ice conditions and SST	2/week	Baltic Sea Kattegat Skagerrak	Chart	By mail	SMHI	
United Kingdom	1. Mean SST for previous 5 days	daily	47°N-70°N 10°E-25°W	Chart	By FAX and by mail	MO	1°C isotherms shown
	2. Ice conditions and mean SST for previous 5 days	daily	N. Atlantic 47°N-80°N and Baltic	Chart	By FAX and by mail	MO	Isotherms at 2°C intervals

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
U.S.A.	1. SST	2/week	East coast of U.S. to 55°W and 25°N to 45°N	Chart	By mail and by FAX	NMC	
	2. Eddies, currents, water masses	weekly	Western North Atlantic Ocean 28°N-50°N	Chart		NESS	
	3. SST	2/week	Gulf Stream off the East Coast of the U.S.	Chart	"The Gulf Stream Wall Bulletin"	NWS	
	4. a. Ice conditions	weekly	Northern Hemisphere 95°W east to 105°E	Chart		NWSC	7-day ice forecast
	b. Ice conditions		Eastern Arctic	Chart		NWSC	30-day ice forecast
	c. Ice conditions		Eastern Arctic			NWSC	

Part II

Non-Real-Time Data Products

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Canada	1. Ice conditions	weekly	Northern Labrador Hudson Strait and Davis Strait	Chart	By mail	AES	Mid-June to late November
	2. Ice conditions	yearly	Gulf of St. Lawrence East Newfoundland	Report	By mail	AES	Seasonal forecast in early December
	3. Ice conditions	twice monthly	Gulf of St. Lawrence East Newfoundland	Report	By mail	AES	30 day forecast of changes
	4. Ice conditions	yearly	Hudson Strait Davis Strait and Approaches	Report	By mail	AES	Seasonal forecast in early June
	5. Ice conditions	twice monthly	Hudson Strait Davis Strait and Approaches	Report	By mail	AES	30 day forecast of changes

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Denmark	1. Temp. and sal. at a number of levels; surf.current	annually	Belt Sea Kattegat North Sea	Tables	Yearbook ("Oceanographical observations from Danish light-ves-sels and coastal stations")	DMI	Monthly preprints at request
	2. SST	annually	Northern North Atlantic	Tables	Yearbook ("Monthly surf.tem-peratures of the N. Atlantic: 50°-80°N, 0°-60°W")	DMI	Monthly values for 1°-squares
	3. Ice conditions	annually	Greenland waters	Charts	Yearbook ("The ice conditions in the Greenland waters")	DMI	
Finland	1. Sea level	annually	Coast of Finland	Tables	Yearbook	IMR	
	2. Temp.and sal. at a number of levels	annually	Finnish coastal stations	Tables	Yearbook	IMR	
	3. Ice winters (statistics)	at irregular intervals	Baltic Sea	Tables	Yearbook	IMR	Statistical summaries
	4. Oceanographic parameters	at irregular intervals	Baltic Sea	Tables		IMR	Observations from oceanographic cruises

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
France	1. SST	4/year	Bay of Biscay and adjacent Atlantic region	Charts	In the MET-MAR bulletin	COB	For every month three 10-day mean charts and one monthly mean chart
German Dem. Rep.	1. Temp., sal., sea level	annually	Some Baltic coastal stations	Tables	Yearbook ("Gewässerkundl. Jahrbuch der DDR")	IWB	
Germany, Fed. Rep. of	1. Temp., sal., current, state of sea	annually	North Sea Baltic (light-vessels)	Tables	Yearbook ("Meereskundl. Beobachtungen und Ergebnisse")	DHI	Time delay approx. 1½ year
	2. Currents	annually	Mostly changing positions	Tables	Yearbook ("Meereskundl. Beobachtungen und Ergebnisse")	DHI	Time delay up to some years
	3. SST	3/month	Whole northern hemisphere	Chart (10-day means with stand. dev.)	By mail and by FAX	DW	FAX broadcast Tuesday and Friday
	4. SST	weekly	Atlantic N. of 30°N (incl. Mediterranean and Black Sea)	Chart (7-day means with stand. dev.)	By mail and by FAX	DW	FAX broadcast Tuesday and Friday

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Iceland	1. Oceanographic parameters		W and SW of Iceland to 1000 m depth	Tables		HRS	Expeditions about 6 times/year
	2. Oceanographic parameters		Stand.sect. around Iceland	Tables		HRS	Worked 4 times/year (approx.)
	3. Temp.and sal.		5 coastal stations	Tables		HRS	Weekly observ. (Cont.recordings of temp. at 3 of the stations)
Ireland	1. Temp.and sal., nutrients serially 0 m to bottom	annually	Western coastal waters Ireland	Tables	Mailing list	UCG	Data Report available by request
	2. Current drifters	periodically	Coastal waters Ireland	Charts		UCG	Information by request
	3. Waves	periodically	Coastal waters Ireland			UCG	Information by request

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Netherlands	1. Oceanogr. and meteorol. parameters	annually	Southern North Sea (light-vessels)	Tables	Yearbook ("Met. en ocean. warnemingen verricht aan boord van Nederlandse licht-schepen in de Noordzee")	KNMI	
	2. Sea level, sea temp.	annually	The Netherlands coast	Tables	Yearbook ("Jaarboek der Waterhoogten")	RWS	
	3. Ice conditions	annually	The Netherlands coast		Yearbook ("IJsverslag, bewerkt door de directie Waterhuishouding en Waterbeweging")	RWS	
Norway	1. Temp. and sal.	4/year	Norwegian coastal stations	Tables and graphs	Publ. in: "Fiskets Gang"	FHI	10-day mean temp., monthly mean sal., deviations from 30-years normals
	2. Oceanographic parameters				Publications of FHI	FHI	Results of regular cruises
	3. Ice pack boundaries, SST	3/week	Norw. Sea Barents Sea	Chart		NMI	
	4. Severe ice concentration (forecast)	weekly	Oslofjord Skagerrak (navigable waters and harbours)			NMI	

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
Sweden	1. Temp., sal., oxygen	monthly	N. Baltic Bothnian Sea			SMHI	
	2. Sea level	annually	Swedish coast			SMHI	
	3. Oceanographic parameters	at end of each cruise	Baltic Sea		Reports Charts (oxygen)	FBS	
	4. Oceanographic parameters	2/year	Baltic Sea Kattegat North Sea	Tables		FBS	
United Kingdom	1. Ice conditions (and mean SST for last 10 days of the month) Mean monthly BT temp. profiles for NAOS	monthly	N. hemisphere N. of 40°N	Chart		MO	Isotherms at 4°C intervals About 5 months in arrear
	2. Temperature (monthly means)	annually	Engl. and Welsh coastal stations	Tables	Published in "Annales Biologiques"	FLL	
	3. 10 met. elements, incl. SST (monthly summaries)	annually	N. Atlantic N. of 20°N 20°E-50°W	Tables	UK contrib. to WMO worldwide scheme	MO	Summaries for NAOS and 8 selected sea areas

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
U.K. (cont.)	4. Current meter data	annually	Mainly North Sea English Channel	Inventory	FLL Techn. Rep.Ser.	FLL	Specific data inquiries to FLL
	5. Various parameters	at irregular intervals	The seas around the British Isles	Atlas	FLL Techn. Rep.Ser.	FLL	Inform. relating to, i.e., oceanogr., meteorology, geology, biology, pollution
U.S.A.	1. SST Marine mammals Fish schools	monthly	East coast of the U.S.	Chart	By mail	USCG	
	2. Vertical temperature distribution	annually	Transects from: New York across Continental shelf and Gulf Stream. New Orleans across Eastern Gulf of Mexico and Western Caribbean	Atlas		NMFS	

	Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
U.S.A. (cont.)	3. SST Vertical salinity and temperature distribution	monthly	Northern edge of the Gulf Stream	Charts, Data summaries	"The Gulf Stream"	NWS	
	4. Surface salinity and vertical temperature distribution	monthly	Gulf of Maine	Chart	By mail	NMFS	
U.S.S.R.	1. Temperature, salinity		North Atlantic	Tables	To WDC-B	HMS	
Project CINECA	1. SST	2/month	CINECA region (10°-40°N, W. coast of Africa -30°W)	Chart	By mail	NWS	

Parameters	Frequency of Production	Area Covered	Format	Distribution	Producing Agency	Comments
1. Temp. and sal. at 10 m and near bottom	monthly	Skagerrak Kattegat	Charts	By mail	SH	1. + 2. also issued as annual volumes
2. Bottom temp. and sal.	monthly	North Sea	Charts	By mail	SH	
3. Sea surf. temp. and salinity	annually	North Sea NE. North Atlantic	Tables	By mail	SH	Monthly mean values over areas of 1° Lat. by 2° Long.
4. SST (monthly anomalies)	annually	Atlantic N. of 50°N E. coast of Scotland	Tables Graphs	Publ. in: "Annales Biologiques"	SH	Anomalies for 15 standard areas
5. SST (monthly means and anomalies)	annually	North Atl. Ocean Weather Stations	Tables	Publ. in: "Annales Biologiques"	SH	