

Inventory of regularly issued Marine Environmental  
Data Products for the ICES Area

Compiled by  
ICES Hydrographer

This inventory is an updated version of the list of data products presented at the ICES Meeting in 1974 (Doc.C.M.1974/C:33). In accordance with a decision by the Meeting the inventory has been split up into two parts, covering the products distributed in real-time and non-real-time, respectively.

It has been suggested that it might be an advantage if all information was presented in table format, such as it was already supplied by two of the contributors. In accordance herewith all contributions have been transferred to the table format.

From a number of countries no updated version was received this year. In such cases the information contained in the list of last year was used.

Abbreviations for Names of Institutions

AEG NMFS Atlantic Environmental Group, USA  
AOL Atlantic Oceanographic Laboratory, Dartmouth, N.S.  
CGOU Coast Guard Oceanographic Unit, USA  
COB Centre Océanologique de Bretagne, Brest  
DHI Deutsches Hydrographisches Institut, Hamburg  
DMI Dansk Meteorologisk Institut, København  
DW Deutscher Wetterdienst, Offenbach  
FBS Fishery Board of Sweden, Göteborg  
FHI Fiskeridirektoratets Havforskningsinstitutt, Bergen  
FLL Fisheries Laboratory, Lowestoft  
HRNN Hydrographer of the Royal Netherlands Navy, The Hague  
HRS Hafrannsóknastofnunin, Reykjavik  
IMGW Instytut Meteorologii i Gospodarki Wodnej, Gdynia  
IMR Institute of Marine Research, Helsinki  
KNMI Koninklijk Nederlands Meteorologisch Instituut, De Bilt  
MN Météorologie Nationale, Paris  
MO U.K. Meteorological Office, Bracknell  
MWS Moroccan Weather Service, Casablanca  
NESS National Environmental Satellite Service, USA  
NMI Norsk Meteorologisk Institutt, Oslo  
NOO Naval Oceanographic Office, USA  
NWS National Weather Service, USA  
NWSC Naval Weather Service Command, USA  
RWS Rijkswaterstaat, Den Haag  
SH ICES Service Hydrographique, Charlottenlund  
SMHI Sveriges Meteorologiska och Hydrologiska Institut,  
Norrköping

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	
Finland	1. Water level	2/day	9 Finnish harbours	Report	Broadcast (in Finnish) 2/day	IMR	With ref. to MSL
	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 condit.	2/week	Whole Baltic	Chart	By FAX (daily) and by mail	IMR	During winter months
	4. Ice condit.	4-5/week	Whole Baltic	Report	By mail (in Finnish, Swedish and English) 4-5/week. By telex (in English) daily. Broadcast (in Finnish and English) daily	IMR	During winter months

	Parameters	Frequency of production	Area covered	Format	Distribution	Producing agency	Comments
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
F.R.Germany	1. Ice	Monday to Friday	Baltic Skagerrak Coastal areas of North Sea	Report	By mail	DHI	During winter and spring
	2. Outline of ice distribution	2/week	Baltic	Chart	By mail	DHI	During winter and spring
	3. Outline of ice edges	2-3/week	Newfoundland Bank region	Chart	By FAX 2/day	DHI	Generally Jan. to July
	4. SST	Weekly	North Sea and adjacent areas	Chart	By mail and by FAX 2/day	DHI	
	5. Bottom temperature	In case of sufficient data	North Sea	Chart	By mail	DHI	Up to 3 times a year

	Parameters	Frequency of production	Area covered	Format	Distribution	Producing agency	Comments
Netherlands	1. Waves	Weekly	North Atlantic	Chart	(Limited)	KNMI	
	2. SST	Weekly	North Sea	Chart	(Limited)	HRNN	
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 conditons	Daily	Baltic Sea	Bulletin		IMGW	During winter period
	2. Ice conditions	2/week	Baltic Sea	Chart		IMGW	During winter period

	Parameters	Frequency of production	Area covered	Format	Distribution	Producing agency	Comments
Sweden	1. Ice conditions and SST	2/week	Baltic Kattegat Skagerrak	Chart	By mail	SMHI	
U.K.	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
	3. Ice conditions and mean SST for 10 days previous to day of issue	3/month	N. hemisphere N. of 40°N	Chart	By mail	MO	Isotherms at 2°C intervals

	Parameters	Frequency of production	Area covered	Format	Distribution	Producing agency	Comments
U.S.A.	1. SST	Weekly	W.North Atlantic (Florida to Nova Scotia)	Chart	By FAX	NESS	Gulf Stream monitoring
	2. Sea, Swell and Combined Wave Height (24- and 36-hour forecasts)	Daily	Northern hemisphere	Charts	By FAX	NWS	
	3. Ice conditions (with a 7-day ice forecast)	Weekly	Eastern Arctic (95°W eastwards to 105°E)	Chart Bulletin		NWSC	Southern ice limit
	4. Ice conditions (30-day ice forecast)	Bi-monthly	Eastern Arctic	Chart		NWSC	
	5. Ice conditions	As available		Message in WMO aerial ice obs. code		NWSC	

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Part II

Non-Real-Time Data Products

	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-vessels and coastal sts.")	DMI	Monthly preprints available at request
	2. SST	Annually	Northern North Atlantic	Tables	Yearbook ("Monthly surf. temperatures 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		IMR	
	2. Temp. and sal. at a number of levels	Annually	Finnish coastal stations	Tables		IMR	
	3. Ice winters (Statistics)	At irregular intervals				IMR	
	4. Oceanographic parameters	At irregular intervals		Tables		IMR	Observations from oceanographic cruises
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

	Parameters	Frequency of production	Area covered	Format	Distribution	Producing agency	Comments
F.R.Germany	1. Temp., salin., 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
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)

	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 ("Meteorologische en oceanografische waarnemingen verricht aan boord van Nederlandse lichtschepen 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 salin.	4/year	Norwegian coastal stats.	Tables and graphs	Publ. in: "Fiskets Gang"	FHI	10-day mean temp., monthly mean sal., deviations from 30-years normals
	2. Oceanogr. 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
Poland	1. Oceanographic parameters	Annually	Baltic Sea	Tables Graphs	Yearbook ("Hydrographic Yearbook of the Baltic Sea")	IMGW	
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	
U.K.	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 8 months in arrears
	2. Temperature (monthly means)	Annually	Engl. and Welsh coastal stations	Tables	Published in "Annales Biologiques"	FLL	

	Parameters	Frequency of production	Area covered	Format	Distribution	Producing agency	Comments
U.K. (contin.)	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 8 NAOS and 8 selected sea areas
U.S.A.	1. Sea temp.	Annually	New York across cont. shelf and Gulf Stream; New Orleans across E. Gulf of Mexico and W. Caribbean	Vertical sections	Atlas	AEG	Selected sections available more quickly on request
	2. Sea temp.	Monthly	W. North Atlantic	Report (incl. charts and BT traces)	"The Gulf Stream Monthly Summary"	NOO	Includes: Position of N. edge of Gulf Stream, assoc. temperatures, and temp. anom. for the W. North Atlantic. Charts of mean SST, SST anom., and monthly SST change
	3. SST		East coast of U.S.	Chart	By mail	CGOU	Airborne Radiation Thermometry Program  Charts also show sightings of marine mammals and fish schools

	Parameters	Frequency of production	Area covered	Format	Distribution	Producing agency	Comments
Proj. CINECA	1. SST	2/month	CINECA region (10°-40°N, W.coast of Africa -30°W)	Chart	By mail	MWS	
ICES Service Hydrographique	1. Temp. and salin. at 10 m and near bottom	Monthly	Skagerrak Kattegat	Charts	By mail	SH	
	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	Tables Graphs	Publ. in: "Annales Biologiques"	SH	Anomalies for 15 standard areas