

ANNOUNCEMENT OF 2011 INTERNATIONAL ICE PATROL SERVICES

In February 2011, the International Ice Patrol (IIP) will commence its annual service of providing maritime safety information on ice conditions near the Grand Banks of Newfoundland. Beginning in 2011, the IIP and the Canadian Ice Service (CIS) will issue one daily iceberg analysis under the North American Ice Service (NAIS), a collaborative agreement to unify North American ice information and improve service to mariners. The Iceberg Limit determined by IIP will be published in daily message bulletins and graphical charts and distributed as indicated by Table 1. CIS will continue their traditional distribution mechanisms. IIP will produce the NAIS daily iceberg warnings from February 01, 2011 through August 31, 2011. CIS will generate NAIS iceberg products for the remainder of the year.

The purpose of NAIS iceberg bulletins and charts is to advise mariners of the estimated iceberg extent within the region. Numbers within each grid sector inside the Iceberg Limit are intended to provide mariners an awareness of the relative density of icebergs. Navigating among icebergs inside the limit based solely on the NAIS iceberg products is strongly discouraged.

While the NAIS strives to be as accurate as possible in reporting the presence of icebergs to mariners, it is not possible to assure that all icebergs are detected and reported. Mariners are urged not to rely entirely upon radar to locate icebergs since they are often not detected by radar alone. There is no substitute for due vigilance and prudent seamanship, especially when operating near sea ice and icebergs.

Reports of ice in this area originate from various sources, including passing ships and reconnaissance flights. When position, time, size, and description of iceberg sightings are received, the data is entered into a computer program that predicts iceberg drift and deterioration. As the time after sighting increases, so does the probability of error in estimated positions. This probability of error is taken into account when the Iceberg Limit is determined.

Between February 01 and August 31, ships are encouraged to immediately report sightings of icebergs or stationary radar targets (RT) that may likely be ice to IIP. Through the remainder of the year, ice reports should be directed to the Canadian Ice service. Ships operating near the iceberg or sea ice limits are encouraged to make sea surface temperature (SST) and weather (WX) reports even if no ice is detected. Ships that provide routine WX reports to METEO Washington are urged to continue to do so. If SST and WX reports are not typically filed as described above, then special reports directly to IIP every 6 hours are requested when operating within the area between latitudes 40°N and 60°N and between longitudes 39°W to 57°W.

When reporting icebergs or stationary RT, please include the following information:

SHIP NAME AND CALL SIGN
SHIP POSITION (latitude, longitude)
ICEBERG/RT POSITION (Specify either the geographic coordinates (latitude, longitude) or range/bearing from ship's stated geographic position (latitude, longitude))
TIME OF SIGHTING (in UTC)
METHOD OF DETECTION (Visual, Radar, or Both)
SIZE AND SHAPE OF ICEBERG (see Tables 2 and 3)
SEA ICE CONCENTRATION (In Tenths)
SEA ICE THICKNESS IN FEET OR METERS (Specify Units)
SEA SURFACE TEMPERATURE (Specify units)

When reporting sea surface temperature and weather, please include the following:

SHIP NAME AND CALL SIGN
TIME (in UTC)
SHIP POSITION (latitude, longitude)
COURSE
SPEED
VISIBILITY
AIR AND SEA SURFACE TEMPERATURE (Specify Units)
BAROMETRIC PRESSURE
WIND DIRECTION AND SPEED

Report ice sightings, WX, and SST to **COMINTICEPAT NEW LONDON CT** through INMARSAT, U.S. Coast Guard Communication Stations, or Canadian Coast Guard Marine Communications and Traffic Services (see Table 4 for guarded frequencies). If reporting ice sightings to IIP through INMARSAT C, use Service Code 42 as there is no charge when using this code.

Instructions for sending INMARSAT Code 42 Warnings:

INMARSAT-C (General instructions)

1. Access the 2-digit code service on SES as instructed in your manufacturer's information.
2. Using the SES text editor, prepare the message.
3. Enter the 2-digit code of the service required (42).
4. Select the CES (01, Vizada, AORW).
5. Transmit the message.
6. Wait for acknowledgment from the CES.
7. The message will be forwarded, at no charge, from the mariner to IIP by Vizada Satellite Services.

Telephone communications are available to the IIP Office throughout the year. The IIP Duty Officer can be reached 0700-1630 EST. **AFTER NORMAL WORKING HOURS, MESSAGES ARE RELAYED TO IIP VIA THE FIRST COAST GUARD DISTRICT COMMAND CENTER THAT CAN BE REACHED AT PHONE (617) 223-8555, OR FAX (617) 223-8117.**

International Ice Patrol in New London, CT

Phone: (860) 271-2626
Toll Free: (877) 423-7287
Fax: (860) 271-2773
Email: iipcomms@uscg.mil
Web: <http://www.uscg-iip.org>

Product survey available via IIP website or on e-mail request.

Canadian Ice Service in Ottawa, ON

Phone: 1-(877) 789-7733
Fax: (613) 996-9160
Email: cis-scg.client@ec.gc.ca
Web: <http://www.ice-glaces.ec.gc.ca>

TABLE 1: NAIS BROADCASTS BY IIP

Product Type	Transmission Means	Broadcast Station	Broadcast Time (UTC)	Frequencies (kHz)
NAIS ICEBERG NAVTEX *	NAVTEX Broadcast	USCG Communication Station Boston/NMF	1245, 1645, 2045 0045, 0445, 0845	518 F1B
			Special Broadcast during next available time slot	
		Canadian CG Marine Communications and Traffic Services St. John's/VON	1820 (Winter) 2220 (Summer)	
NAIS ICEBERG BULLETIN	SITOR Broadcast	USCG Communication Station Boston/NMF	0030	6314, 8416.5, 12579 F1B
		(NIK via NMF)	1218	8416.5, 12579, 16806.5 F1B
	Radio Telephone	Canadian CG Marine Communications and Traffic Services St. Anthony, VCM (Iceberg Bulletin for NFLD Coast & Belle Isle)	0107, 0907, 1907	2598 J3E
			continuous	VHF Channel 21B, 83B
	Special Broadcasts	Canadian CG Marine Communications and Traffic Services St. John's/VON	0007, 0837, 1637, 2207 & as required	2589 J3E
			continuous	VHF Channel 21B, 28B, & 83B
	INMARSAT SafetyNET Broadcasts	AOR-E and AOR-W Satellites	1200	INMARSAT C SafetyNET
			Special Broadcasts of targets outside limit sent upon receipt	
Internet	International Ice Patrol Website	updated daily by 1200	http://www.uscg_iip.org	
NAIS ICEBERG CHART	RADIOFACSIMILE Broadcast	USCG Communication Station Boston/NMF	0438	4235, 6340.5, 9110 F3C
		(NIK via NMF)	1600, 1810	6340.5, 9110, 12750 F3C
		Offenbach (Main), Germany via Hamburg/DDH & Pinneberg/DDK	0930, 2100	3855, 7880, 13882.5 F1C
	Internet	International Ice Patrol Website	updated daily by 1200	http://www.uscg_iip.org
		National Weather Service	updated daily by 1200	http://weather.noaa.gov/pub/fax/PIEA88.gif
		Email On Demand **	Updated daily by 1200	ftpmail@ftpmail.nws.noaa.gov
NOTES:				
* Mariners should note that NAIS ICEBERG NAVTEX (Category 3) may be programmed for rejection at the receiver. Mariners desiring to receive these NAVTEX reports must ensure that their receivers are appropriately programmed for reception.				
** To prompt email on demand send an e-mail to ftpmail@ftpmail.nws.noaa.gov with any subject line. The body of the text should read as follows (please note the text is case sensitive and must be sent in plain text format): open cd fax get PIEA88.gif ---or--- get PIEA88.TIF quit The e-mail server will then automatically send a GIF or TIF formatted image of the facsimile back to the sender's e-mail address.				

TABLE 2: SIZE DESCRIPTIONS USED BY NAIS

<u>DESCRIPTIVE NAME</u>	<u>HEIGHT</u>	<u>LENGTH</u>
	<u>(m)</u>	<u>(m)</u>
Growler	< 5	< 5
Bergy Bit	1<5	5<15
Small Berg	5-15	15-60
Medium Berg	16-45	61-120
Large Berg	46-75	121-200
Very Large Berg	> 75	> 200

TABLE 3: SHAPE DESCRIPTIONS USED BY NAIS



1. Tabular: Flat top with length-ratio less than 5:1.



2. Non Tabular: Does not meet any of the below characteristics.



3. Domed: Rounded top.



4. Pinnacled: 1 or more spires.



5. Wedged: Steep vertical side on 1 end and sloping on the other.



6. Dry-dock: Eroded with a U-shaped slot or channel.



7. Blocky: Flat top with vertical sides



8. Ice Island: Very large ice floe.

TABLE 4: REPORT RECEIVING STATIONS

CANADIAN STATIONS

The following Canadian Marine Communications & Traffic Service (MCTS) Locations (Receiving Stations) monitor and transmit on VHF 16 & HF 2182 J3E:

Bold indicates the Coast Guard Radio call name.

St. Johns NLFD (VON)	St. Anthony (VCM)
Labrador (VOK)	Placentia (VCP)
Port aux Basques (VOJ)	Sydney Nova Scotia (VCO)
Dartmouth/ Halifax Nova Scotia (VCS)	Saint John New Brunswick/ Fundy (VAR)

U.S. STATIONS

PORTSMOUTH/NMN
BOSTON/NMF

DIRECT PRINTING RADIO-TELETYPE SELCALL 1097 (NMN) (Carrier Frequency Shown)		
<u>SHIP TRANSMIT</u>	<u>SHORE TRANSMIT</u>	<u>Availability</u>
4170.6 kHz	4210.3 kHz	(Available upon request)
6262.8 kHz	6314.3 kHz	(2300 UTC - 1100 UTC)
8386.3 kHz	8426.3 kHz	(CONTINUOUS)
12488.3 kHz	12590.8 kHz	(CONTINUOUS)
16694.8 kHz	16817.8 kHz	(CONTINUOUS)
22295.8 kHz	22387.8 kHz	(1100 UTC - 2300 UTC)

GMDSS VOICE FREQUENCIES (NMN and NMF sites)(Carrier Frequency Shown)		
<u>SHIP TRANSMIT</u>	<u>SHORE TRANSMIT</u>	<u>Availability</u>
4125.0 kHz	4125.0 kHz	(2300 UTC - 1100 UTC)
6215.0 kHz	6215.0 kHz	(24 HRS)
8291.0 kHz	8291.0 kHz	(24 HRS)
12290.0 kHz	12290.0 kHz	(1100 UTC - 2300 UTC)
16420.0 kHz	16420.0 kHz	(ON CALL)