



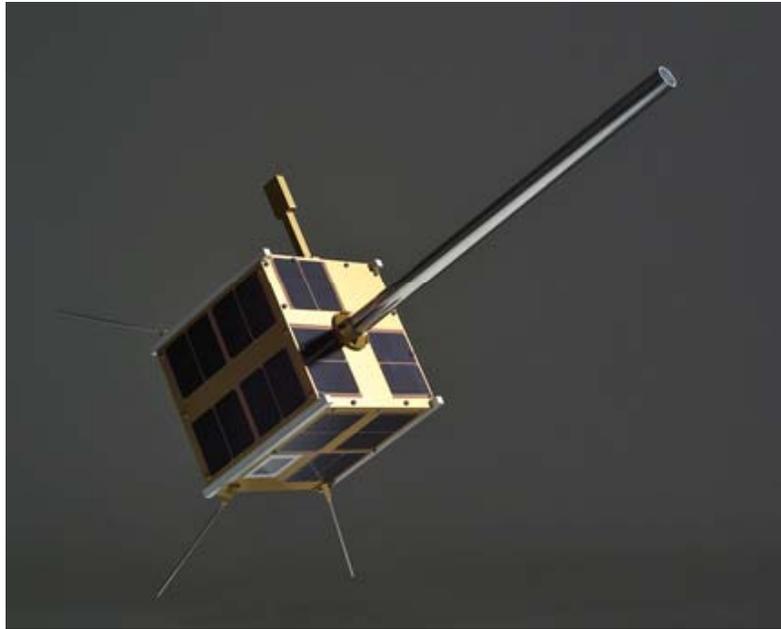
KYSTVERKET

PNT Advisory Board Oct 2010

Arve Dimmen

Director Maritime Safety
Norwegian Coastal Administration

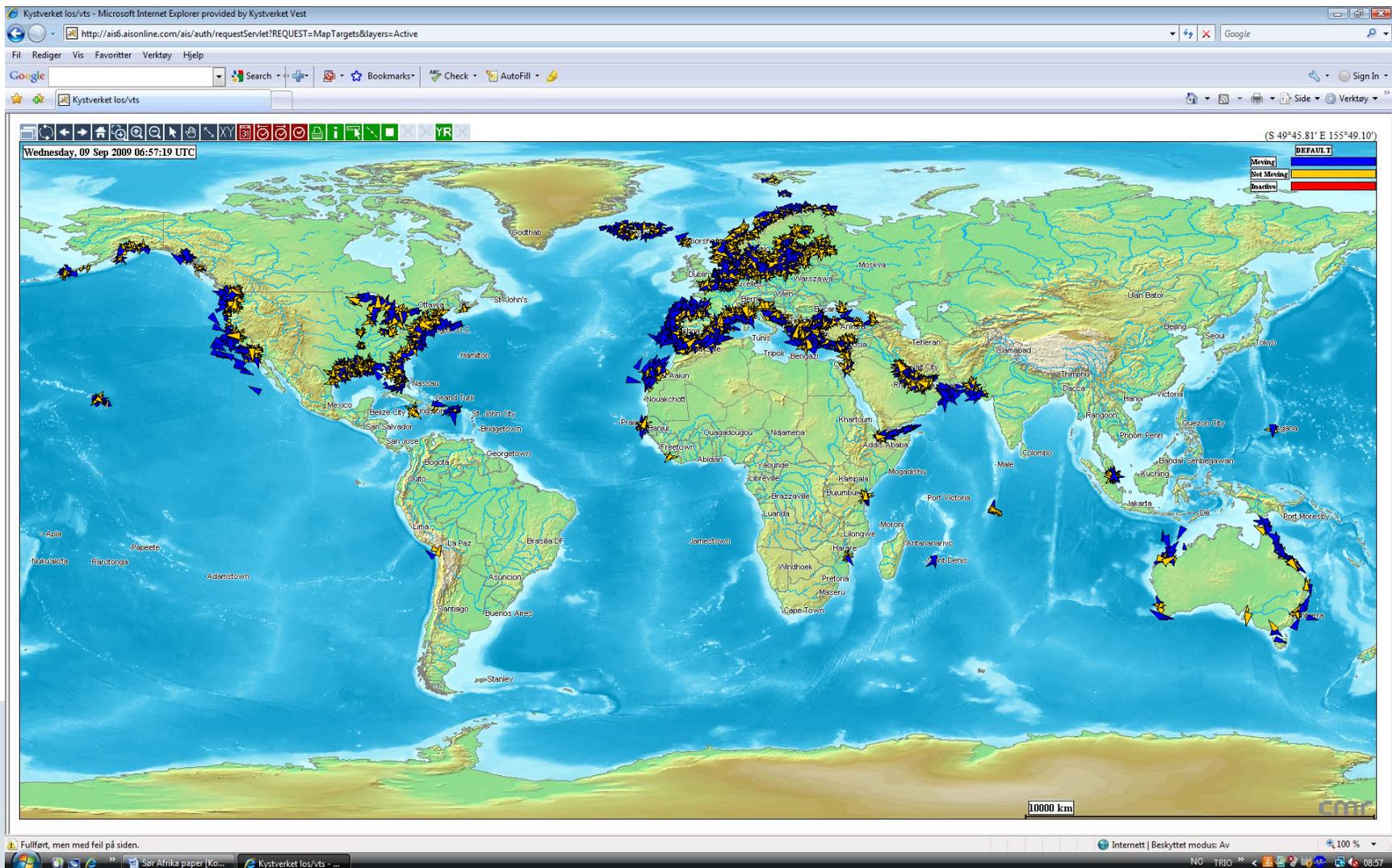
AISSAT-1



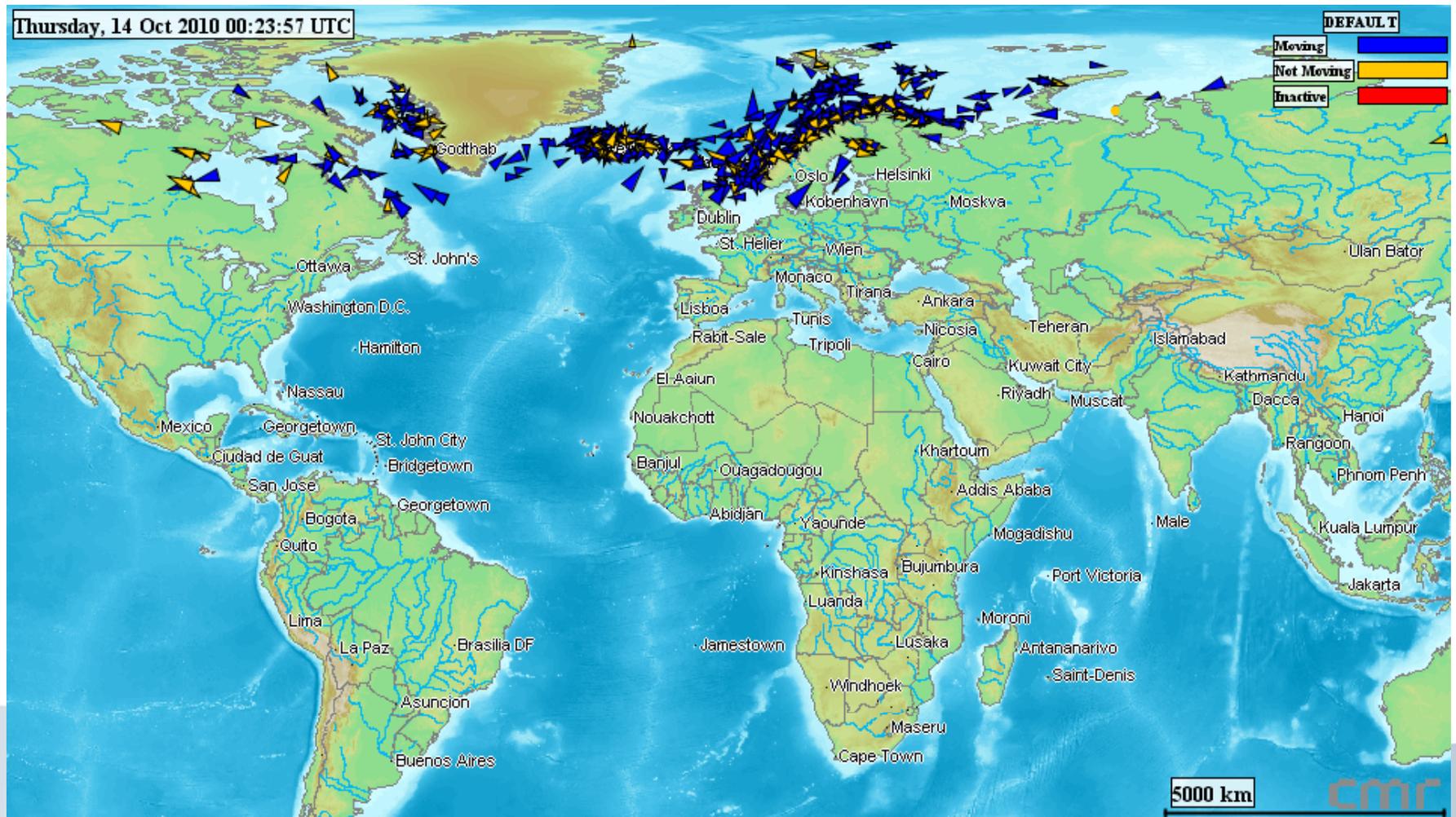
KYSTVERKET

www.kystverket.no

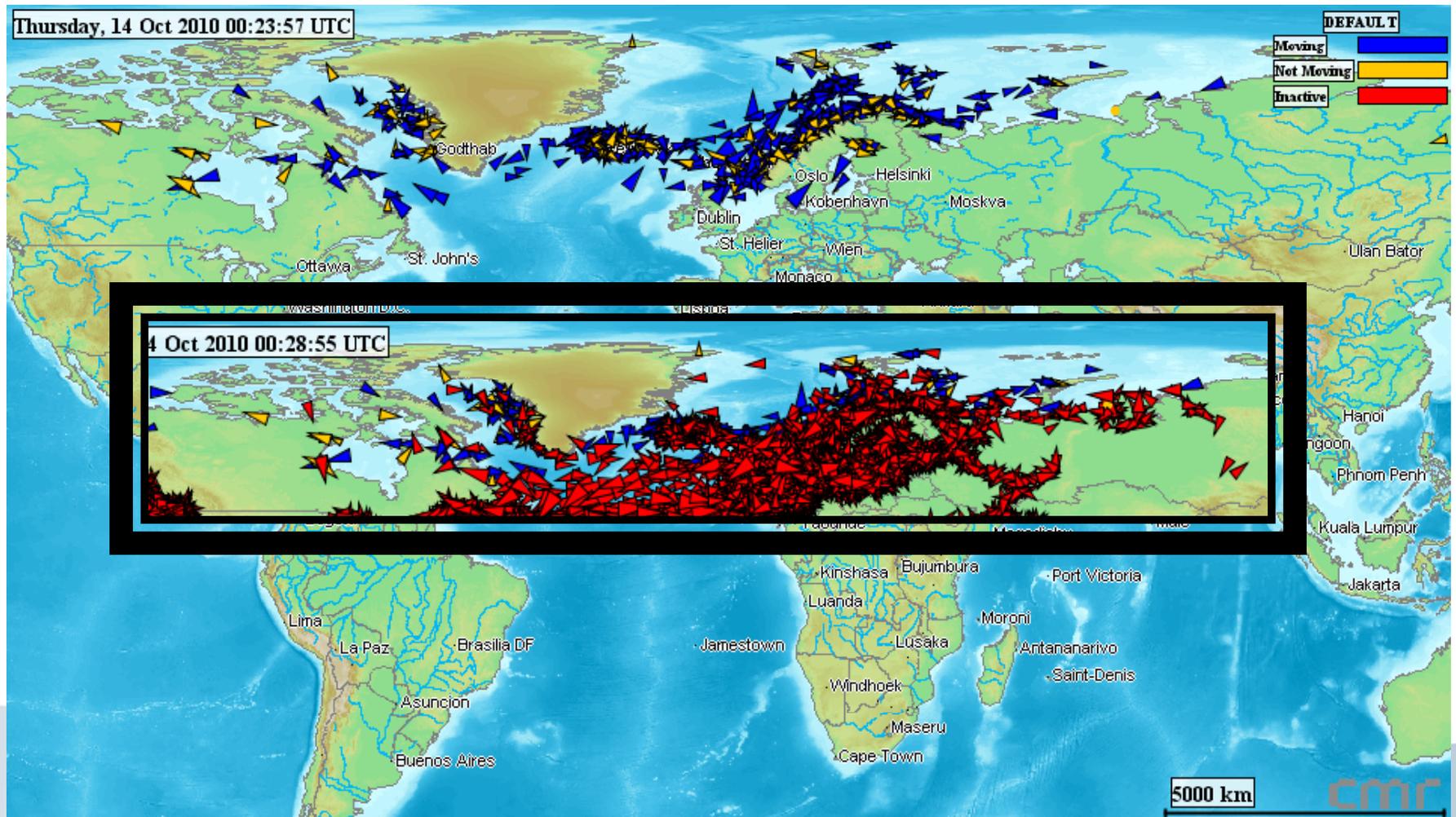
Coastal AIS Network



Ocean coverage



Ocean coverage



Nordic Barents journey NSR- 2010.

Dep. Kirkenes with 41,000t iron-concentrate 4. September 12.00hrs

 Nordic Barents (IMO: 9079169)

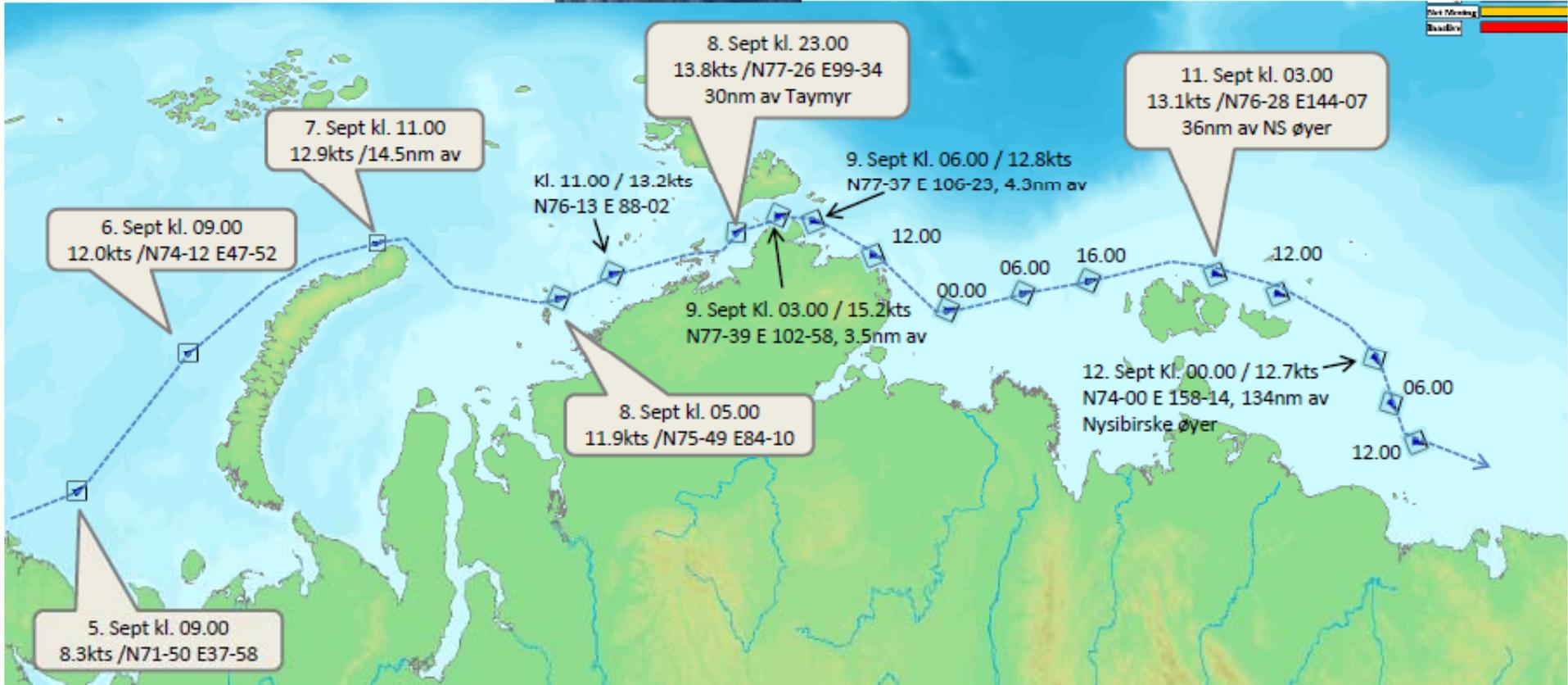
Ads by Google	Vessel Track	AIS Tracking	Nordic Walking	Ship Tracking
Type of ship:	Other Ship			
IMO Number:	9079169	Flag:	 Hong Kong	
MMSI Number:	477612700	Length:	189.0m	
Callsign:	VRFS3	Beam:	30.0m	

Photo of the vessel Nordic Barents



Date:	Time:	Lat.:	Long.:	Speed	Rel. Pos.
9. sept	09.00	77-16	109-22	14.0	
	1200	76-51	112-00	13.7	10nm of
10. sept	00.00	75-31	119-36	13.7	86nm east off T
	06.00	75-52	125-17	12.7	117nm of Delta
	16.00	76-13	130-59	13.9	70nm of NS isl.
11. sept	12.00	75-56	151-05	13.0	45nm of NS isl
12. sept	06.00	73-12	159-46	11.7	182nm of NS isl.
	12.00	72-14	162-17	11.6	85nm of isl

* The Data for the ship NORDIC BARENTS are received via AIS (Automatic Identification System). vesseltracker.com does not guarantee the accuracy of the data.



Galileo

- Galileo Steaming ahead
 - IOC 2014: Open service, PRS, SAR
 - What about Safety-of-Life service?
 - Key element: Integrity
 - Galileo integrity concept under evaluation
 - Use of RRAIM / ARAIM?
 - Fewer reference stations may be needed
 - FOC 2016-18: All services including SoL and Commercial Service



EGNOS

- EGNOS
 - Current version of EGNOS SoL under final accreditation expected finished by end 2010
 - EGNOS procedures will then be implemented
- EGNOS V3.0
 - Multi-frequency
 - Combination with WAAS
 - Use of also non-GEO for integrity distribution





Kystverket tar ansvar for sjøveien

Kystverket er til stede langs hele Norges kyst og yter et mangfold av tjenester for alle typer brukere av norske farvann.