

# Safety At Sea

Skip Sheldon

April 1, 2006













2004



2004

BC  
KIDDE

INSTRUCTIONS

# Preparedness

- What to expect
- Design- Engineering/Construction
- Weather conditions - long-term, short-term
- Equipment - “weakest link”
- Human factors - experience, age, ability

# Construction

- Wood
- Fiberglass
- Aluminum
- Composite
- Carbon

# Weak Points

- Thru-hull fittings
- Keel fastenings
- Rudder construction: bearings, quadrant, wheels
- Mast structure and engineering

# Speed/Distance

- 5 mph = 125 mi/day    45' boat
- 10 mph = 250 mi/day    55' boat
- 20 mph = 500 mi/day    65' boat

# Navigation

- Dead reckoning
- Celestial
- Consolan
- Loran
- GPS



Four Furuno  
7/23/14



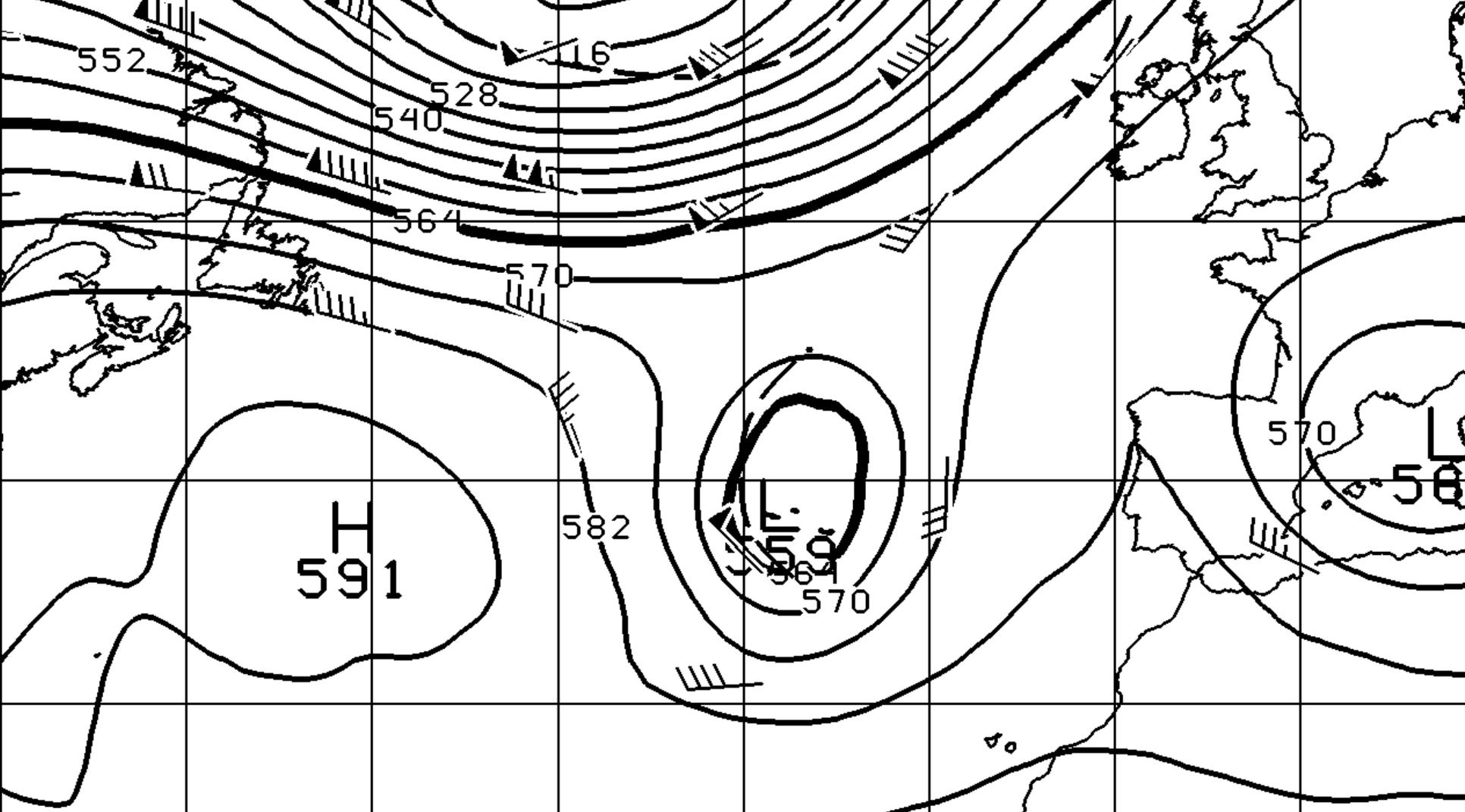


BAUDRATE 6.2



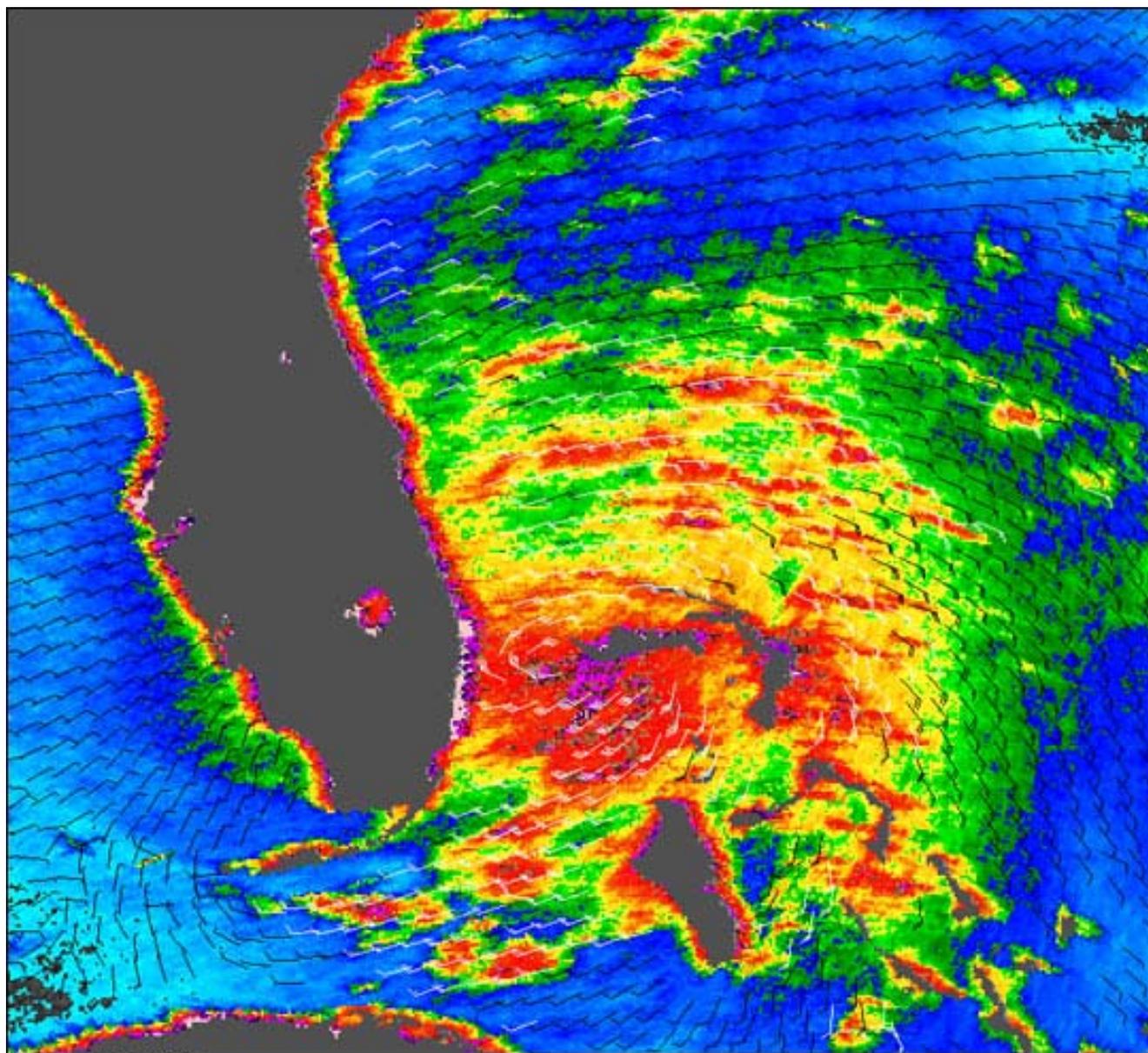
Free Tapes  
8/23/04  
at  
Tapehead  
Riverton  
4/1/04





48-HOUR 500 MB FORECAST  
 FROM: 12 UTC 04 OCT 2005  
 VALID: 12 UTC 06 OCT 2005  
 FCSTR: CHESNEAU

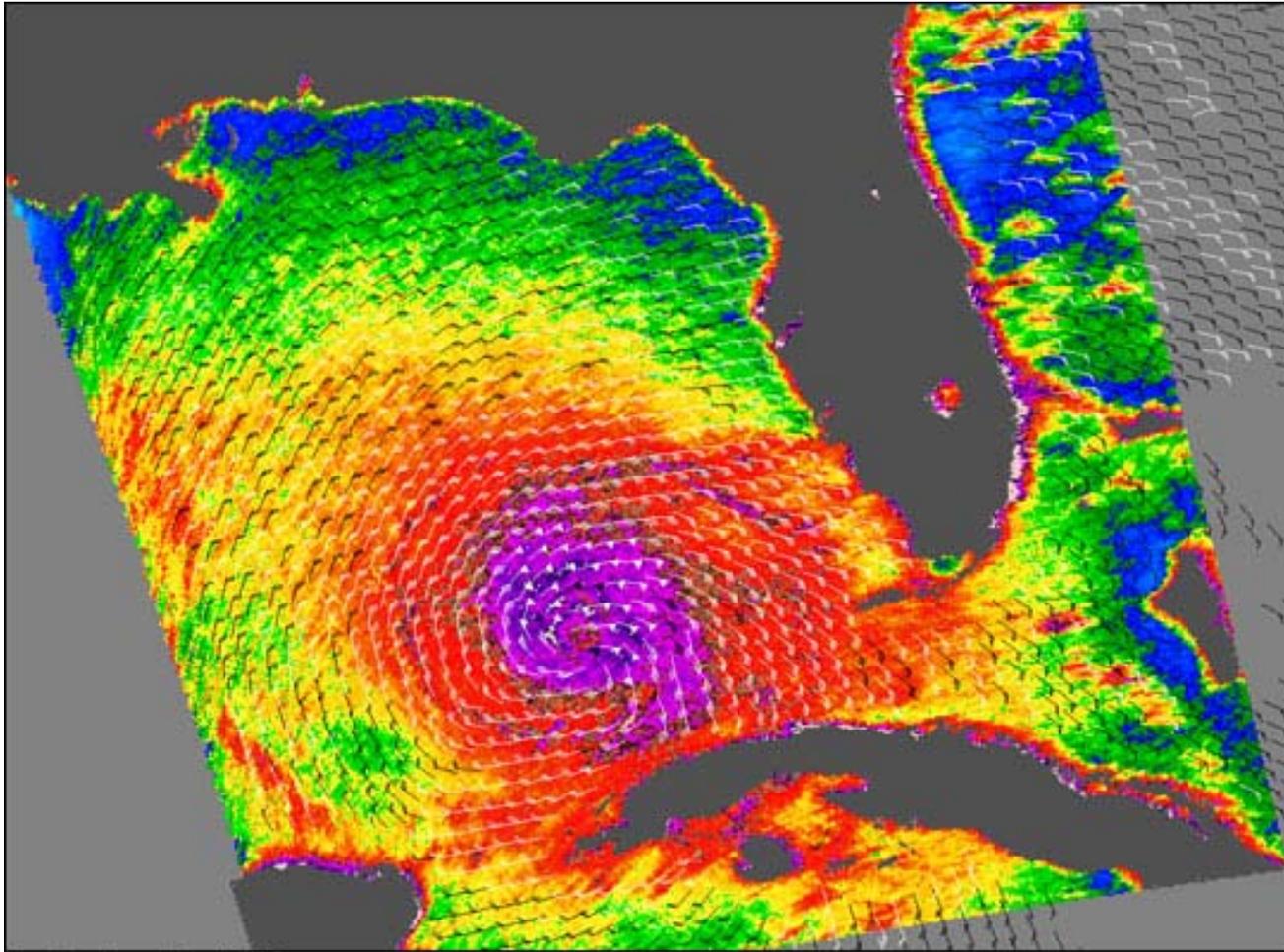




August 25, 2005

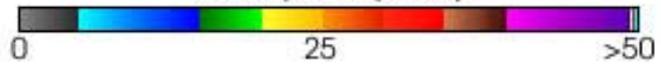
Windspeed (knots)





September 21, 2005

Windspeed (knots)



# HOW IRIDIUM WORKS

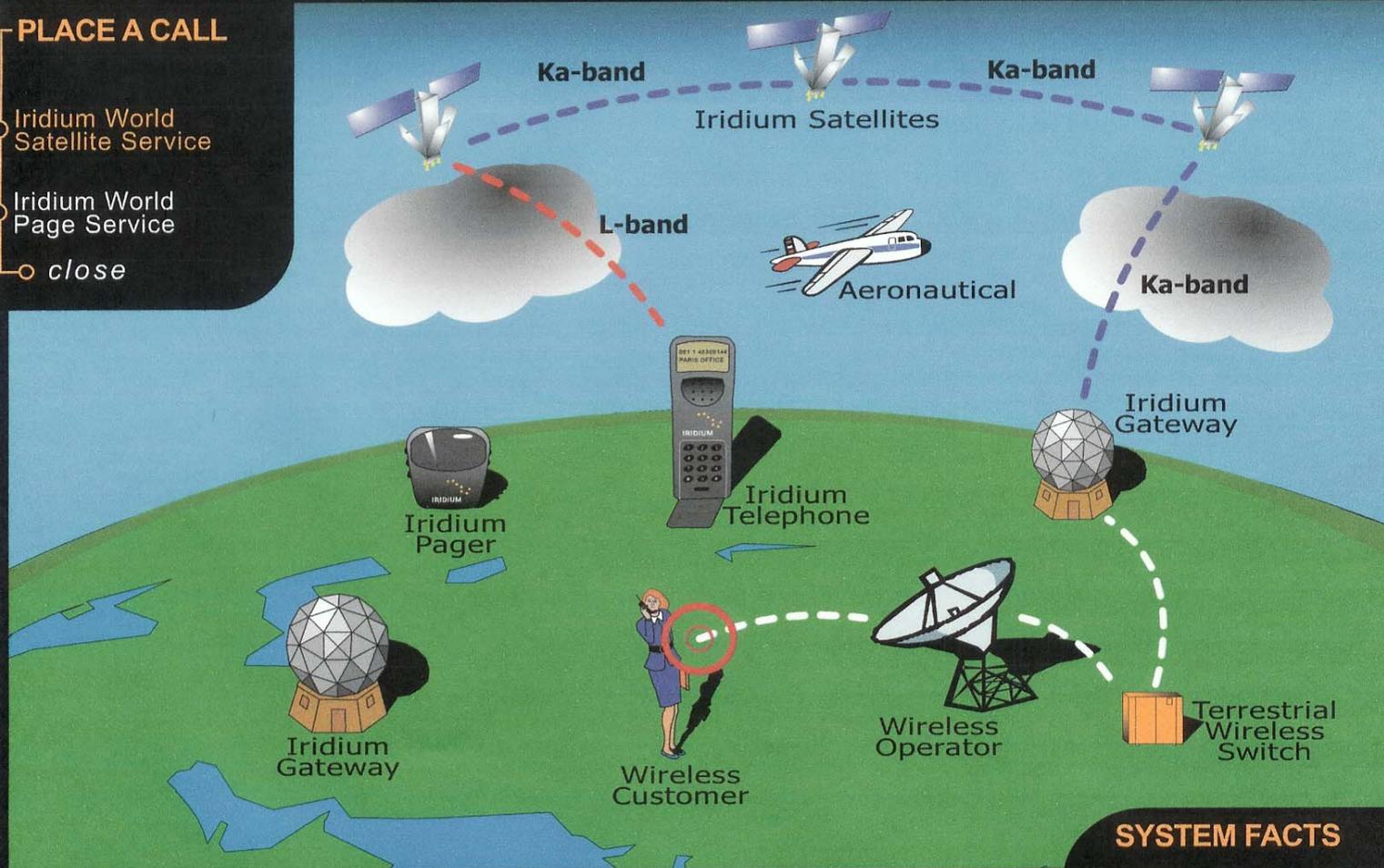
IRIDIUM

## PLACE A CALL

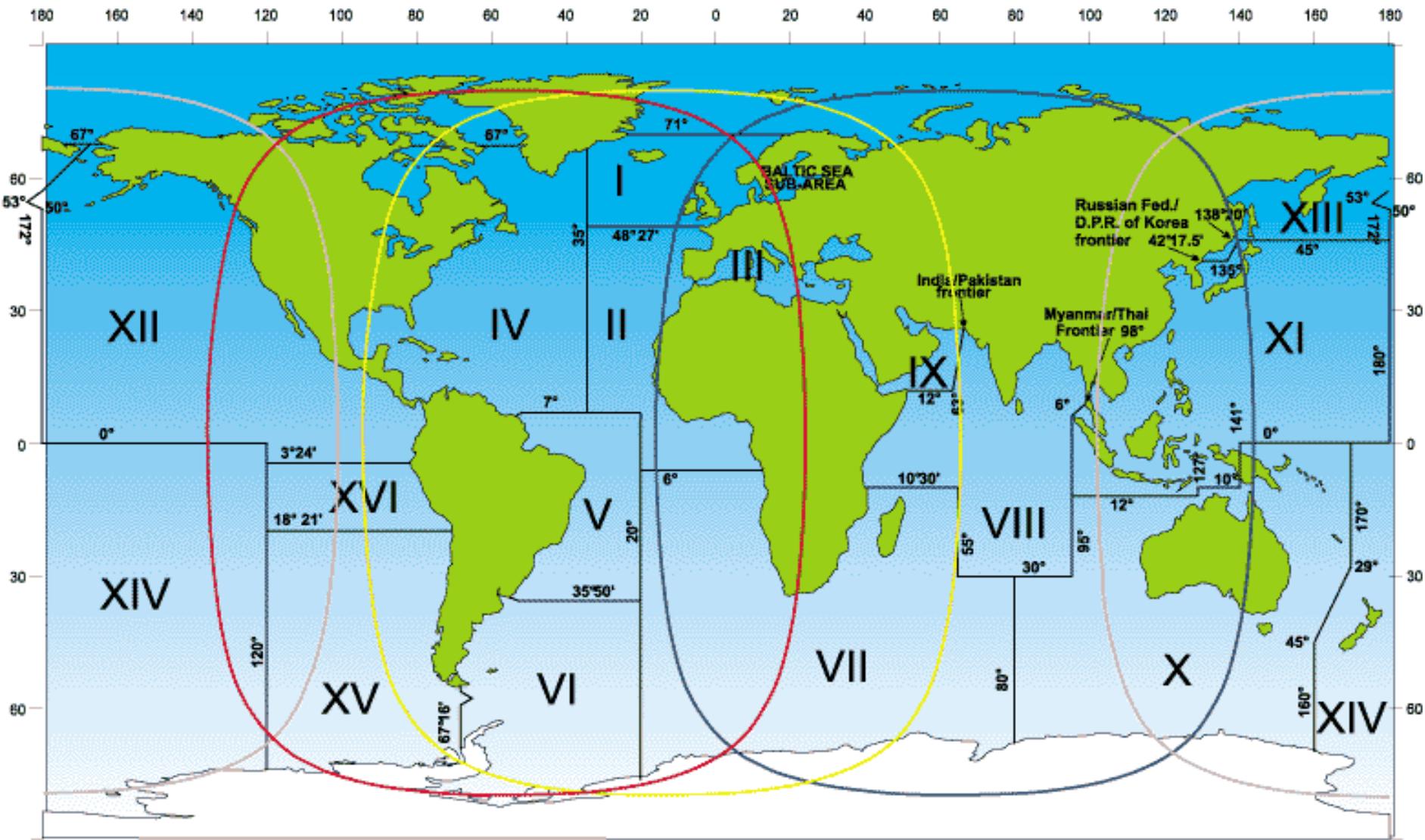
Iridium World  
Satellite Service

Iridium World  
Page Service

close



SYSTEM FACTS



**GEOGRAPHICAL AREAS FOR CO-ORDINATING AND PROMULGATING RADIO-NAVIGATIONAL WARNINGS**

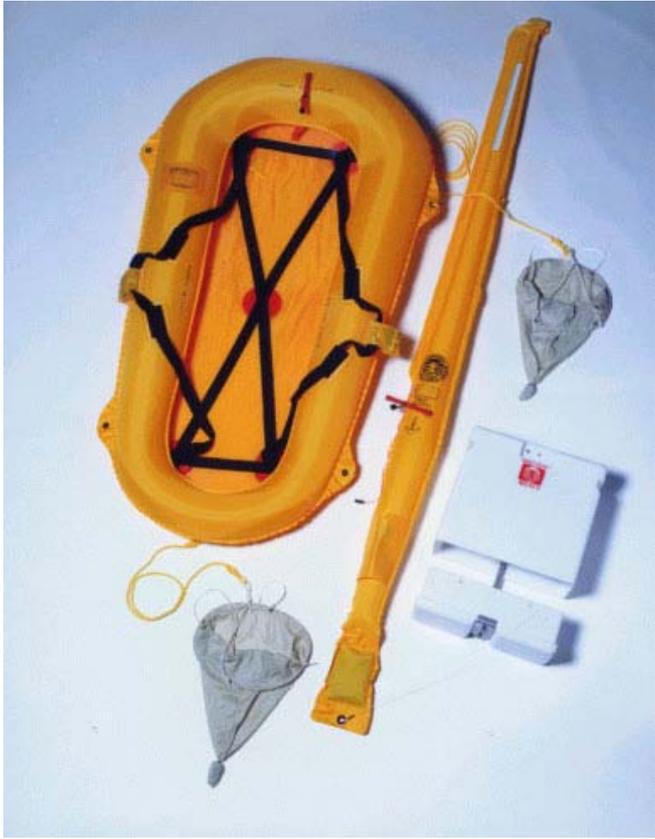
# Rigs

- Gaff
- Divided Rig: Schooner, Yawl, Ketch
- Cutter
- Sloop











# Communication

- Loud speaker
- VHF
- SSB
- Satellite phone
- Mini-M
- Cell phone
- E-mail

# Supplies

- Water maker
- Frozen-dried food
- Refrigeration
- stowage

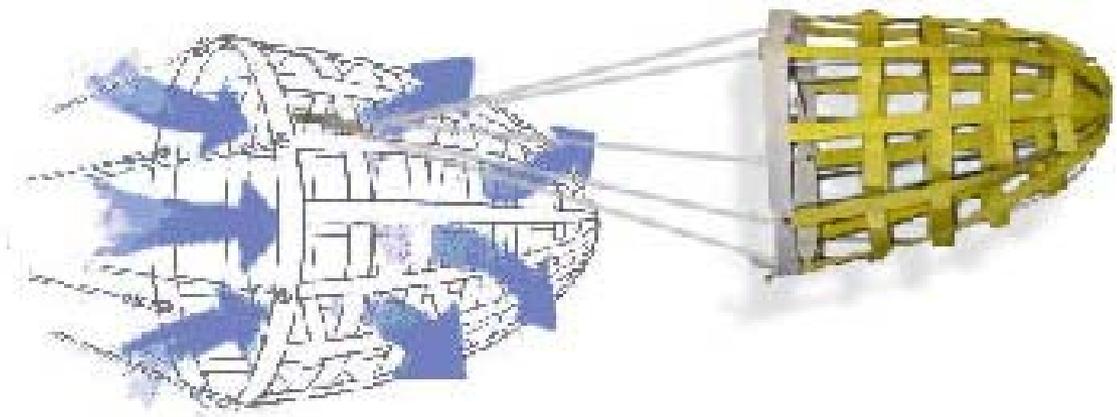
# Adventure or Misadventure

- Execution - choice of speed, sails, direction
- Limit exposure to catastrophe
- Recovery - conservation
- Human limitations





[www.bluegreenpictures.com](http://www.bluegreenpictures.com)



# Dismasting





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# Next time

- Different boat- bigger, smaller?
- Different crew
- Different equipment
- Different voyage