

# RAFOS floats used as surface drifters

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IMR

# RAFOS floats

- Neutrally buoyant subsurface drifting floats
- Acoustically tracked

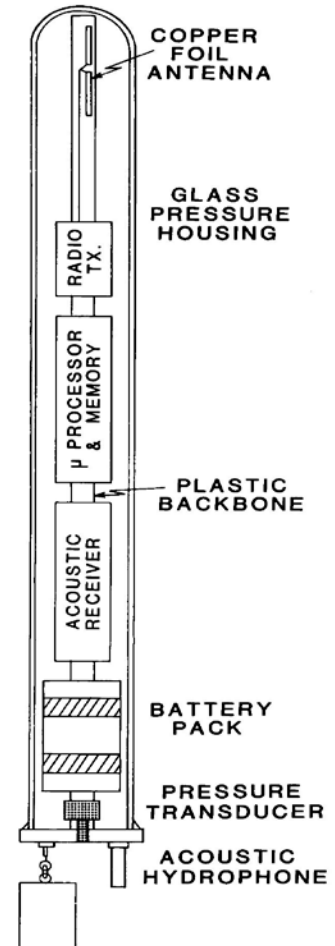
# RAFOS float system

## RAFOS float

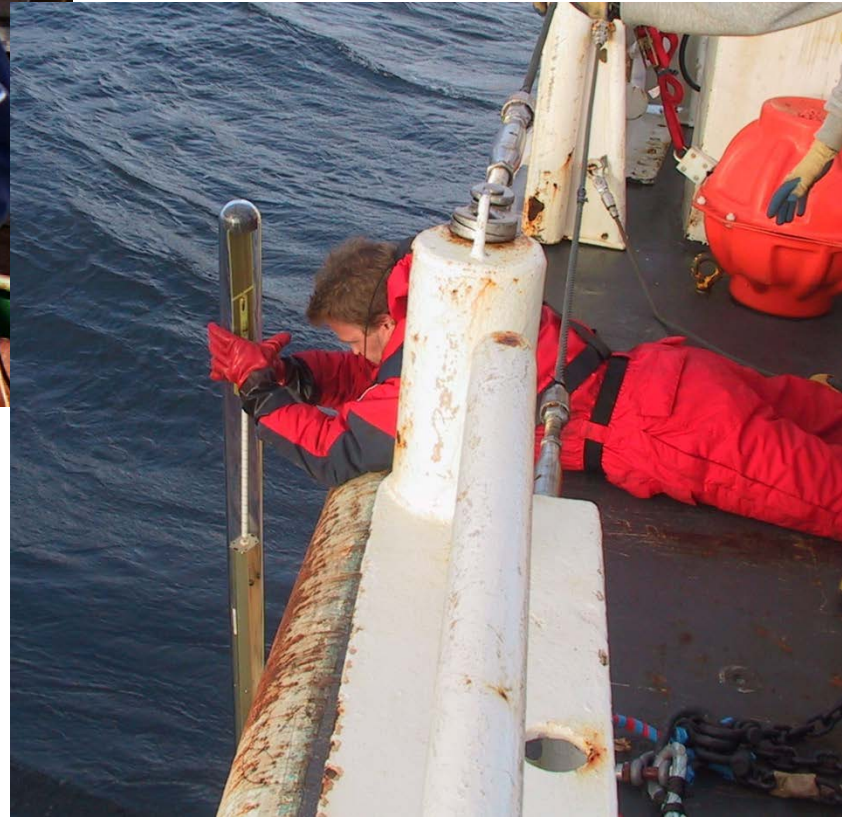
- Neutrally buoyant subsurface drifter
- Acoustically positioned
- 2 positions per day
- 4 Temperature and pressure measurements

## Sound Source

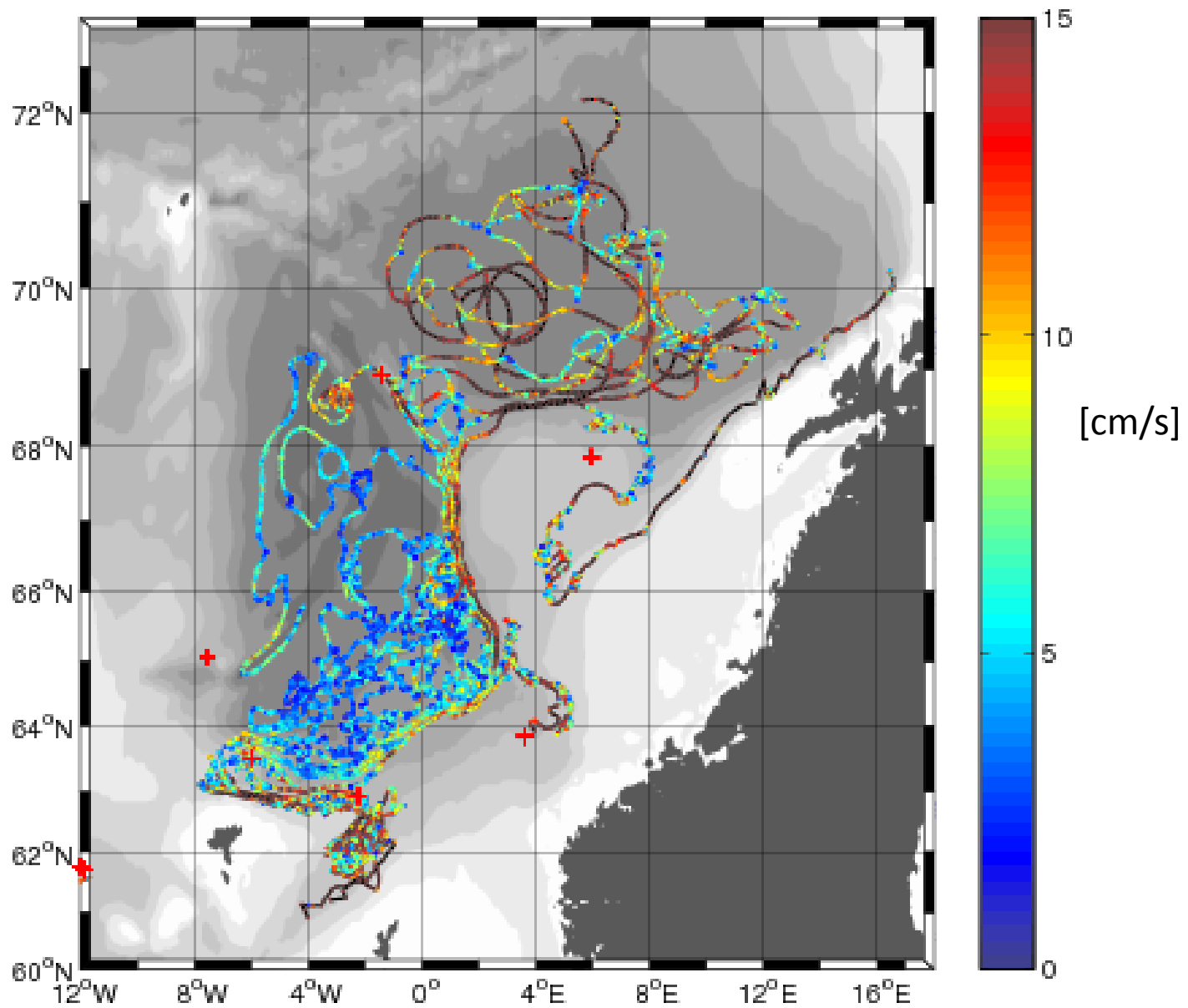
- Moored in selected positions
- 260Hz signal



# RAFOS-float



# All (22) (Colour code: Speed )

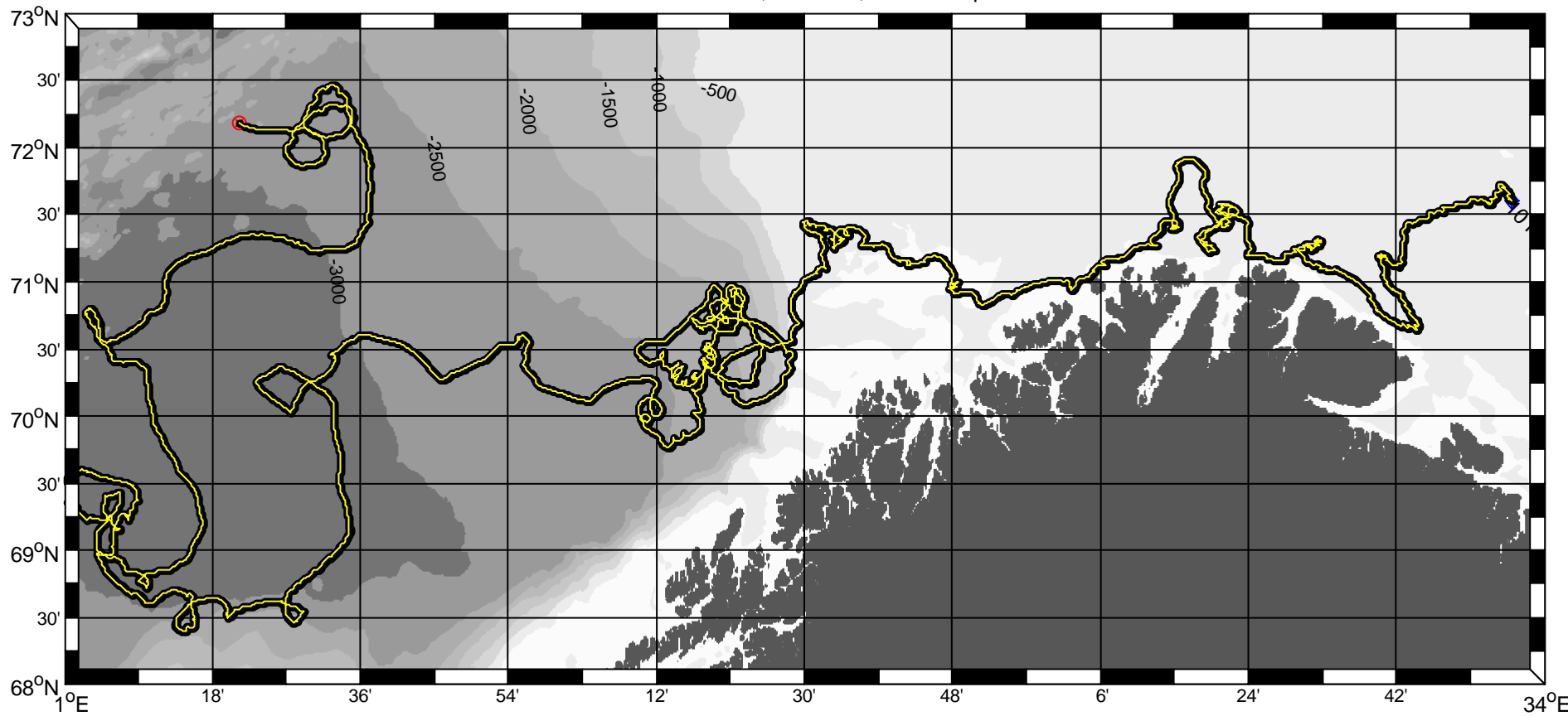


# RAFOS float at the surface



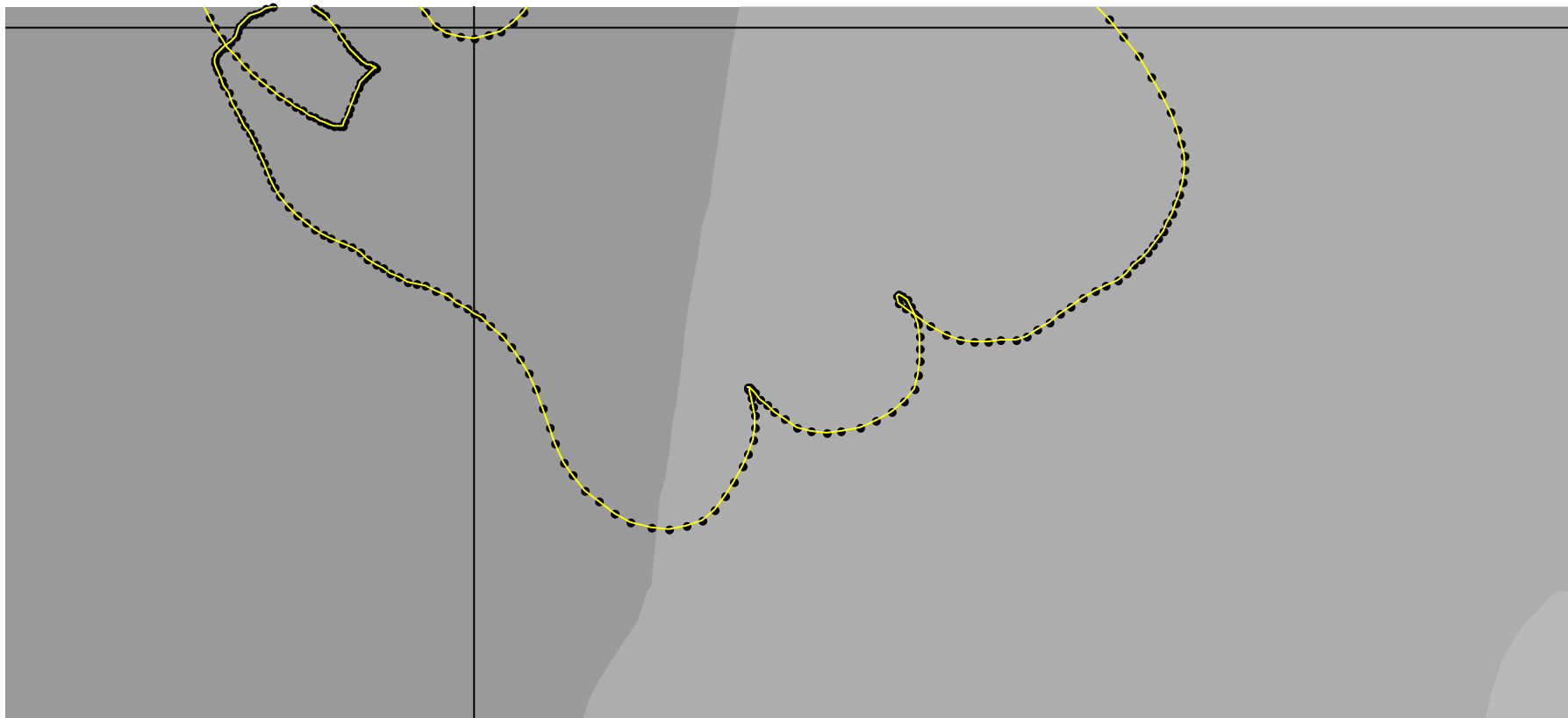
movie

IBEX float: RF1011 ; red - first, blue - last position

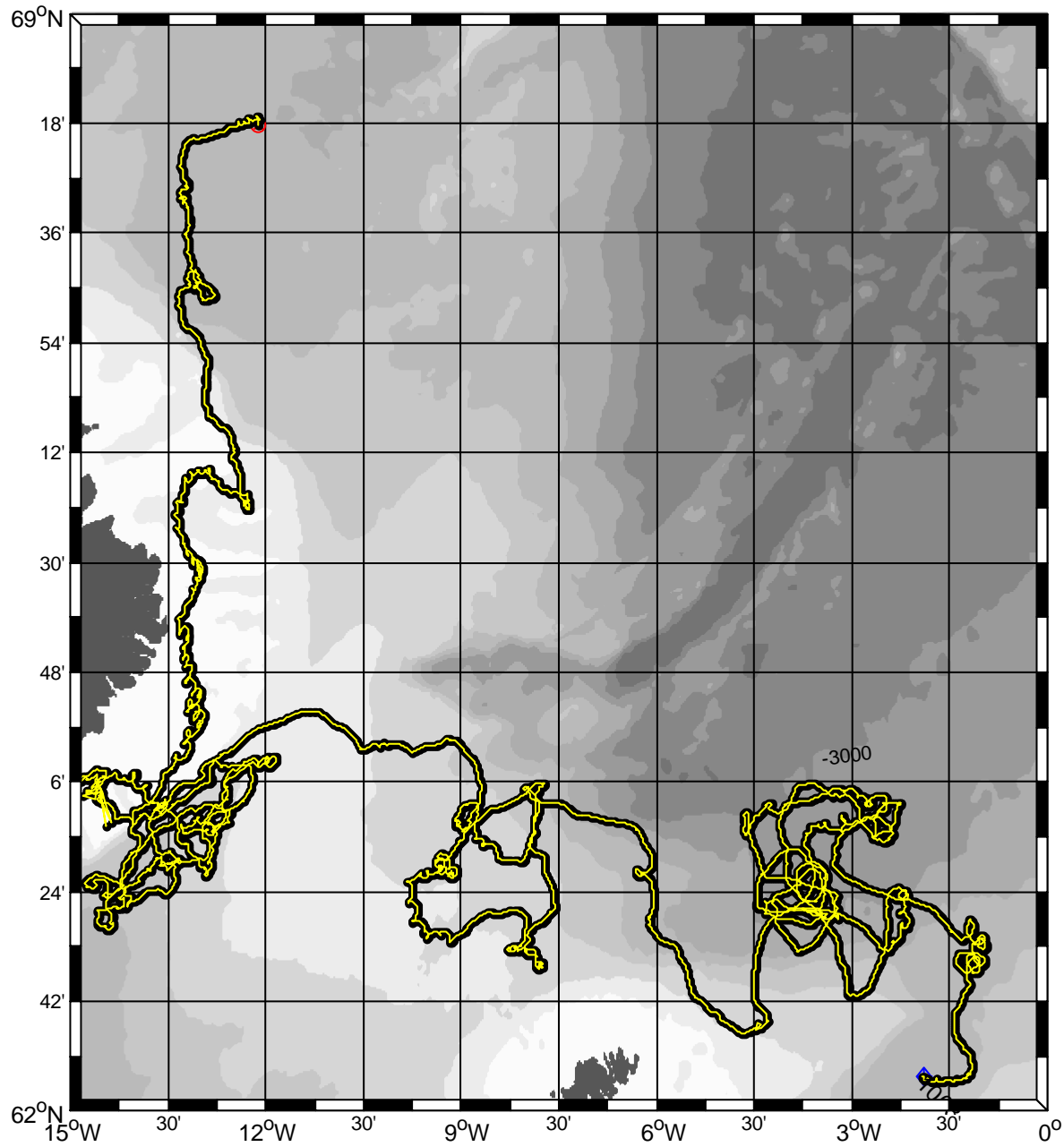




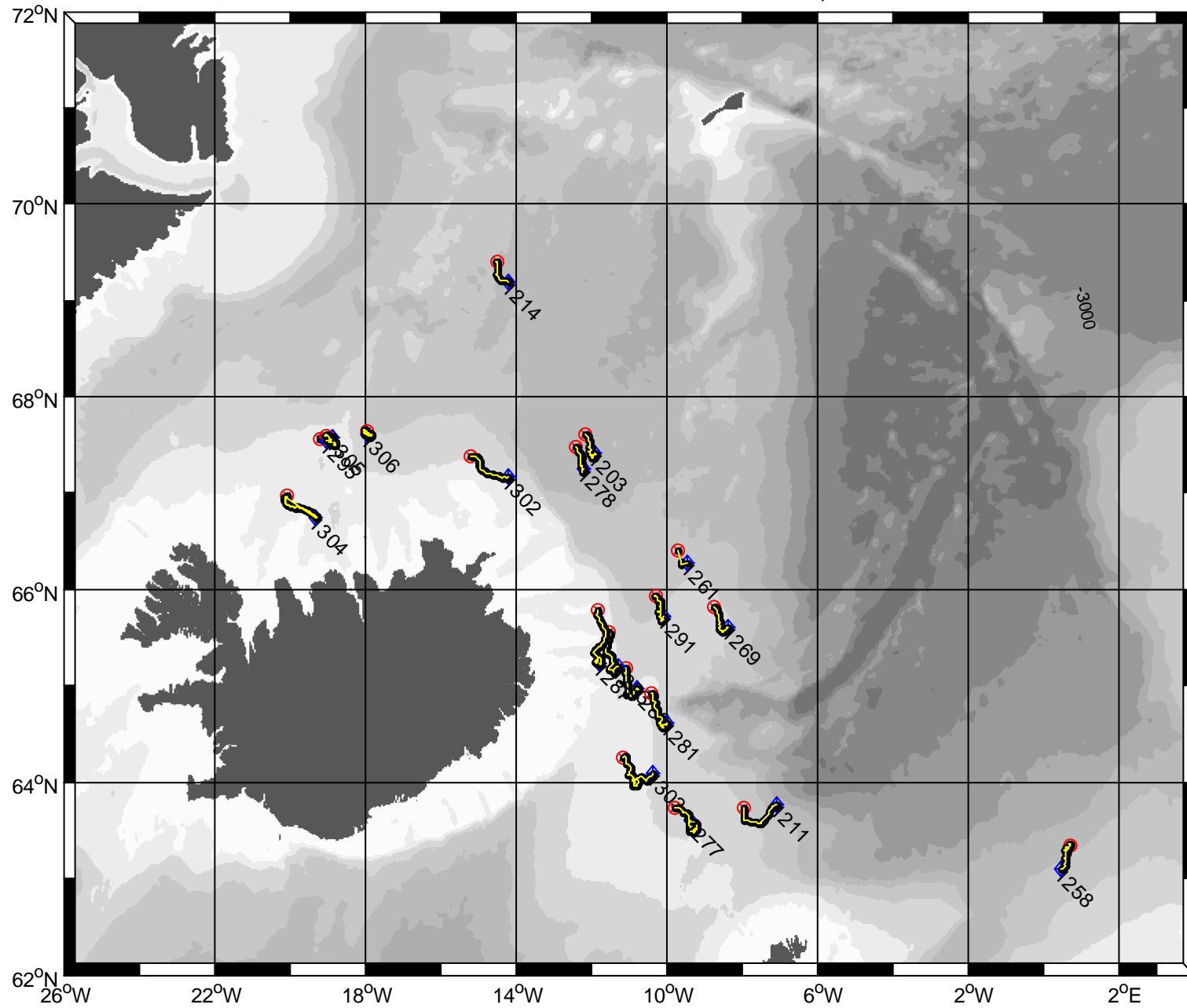
IBEX float: RF1011 ; red - first, blue - last position



IBEX float: RF1003 ; red - first, blue - last position



Iceland Sea floats at 600 m ; red - start, blue - last position

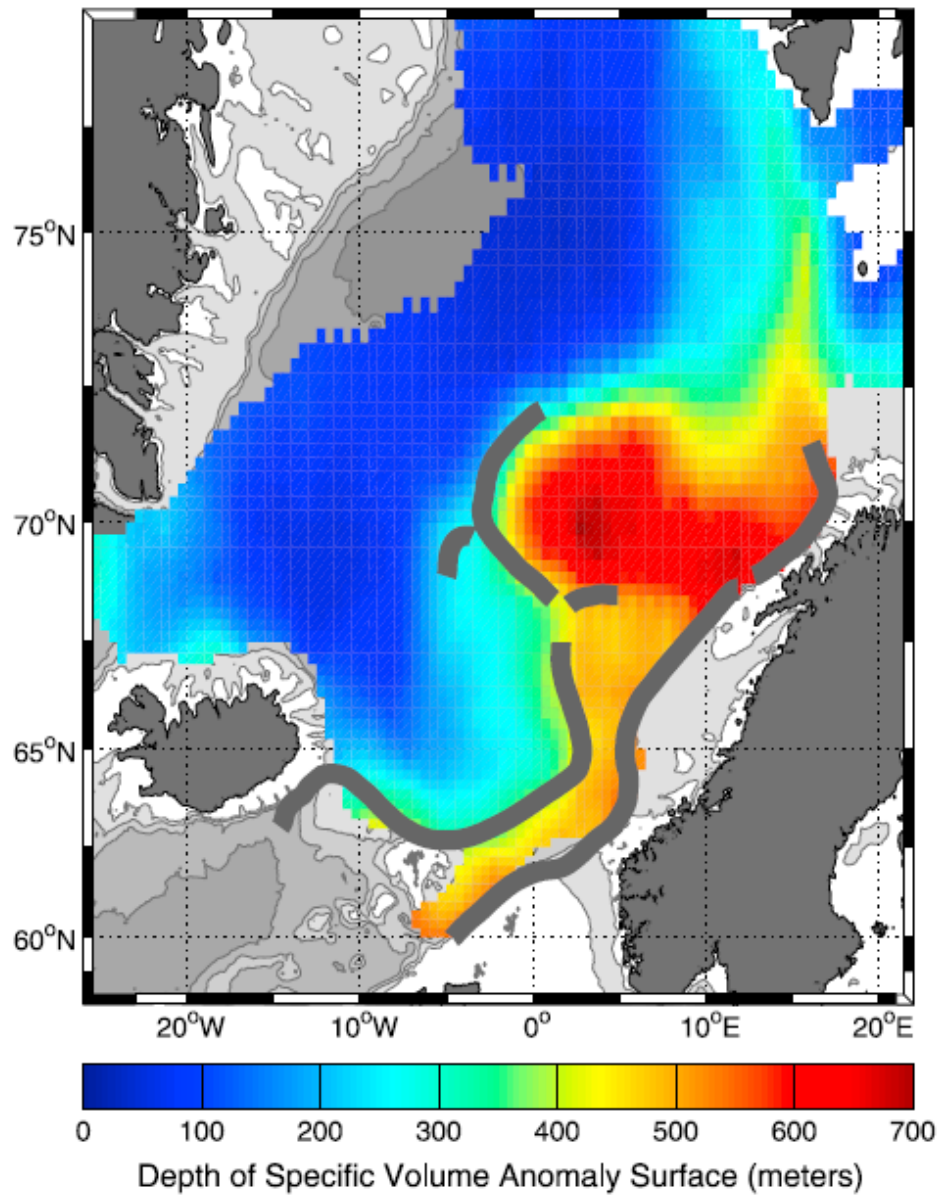


# RAFOS drifters

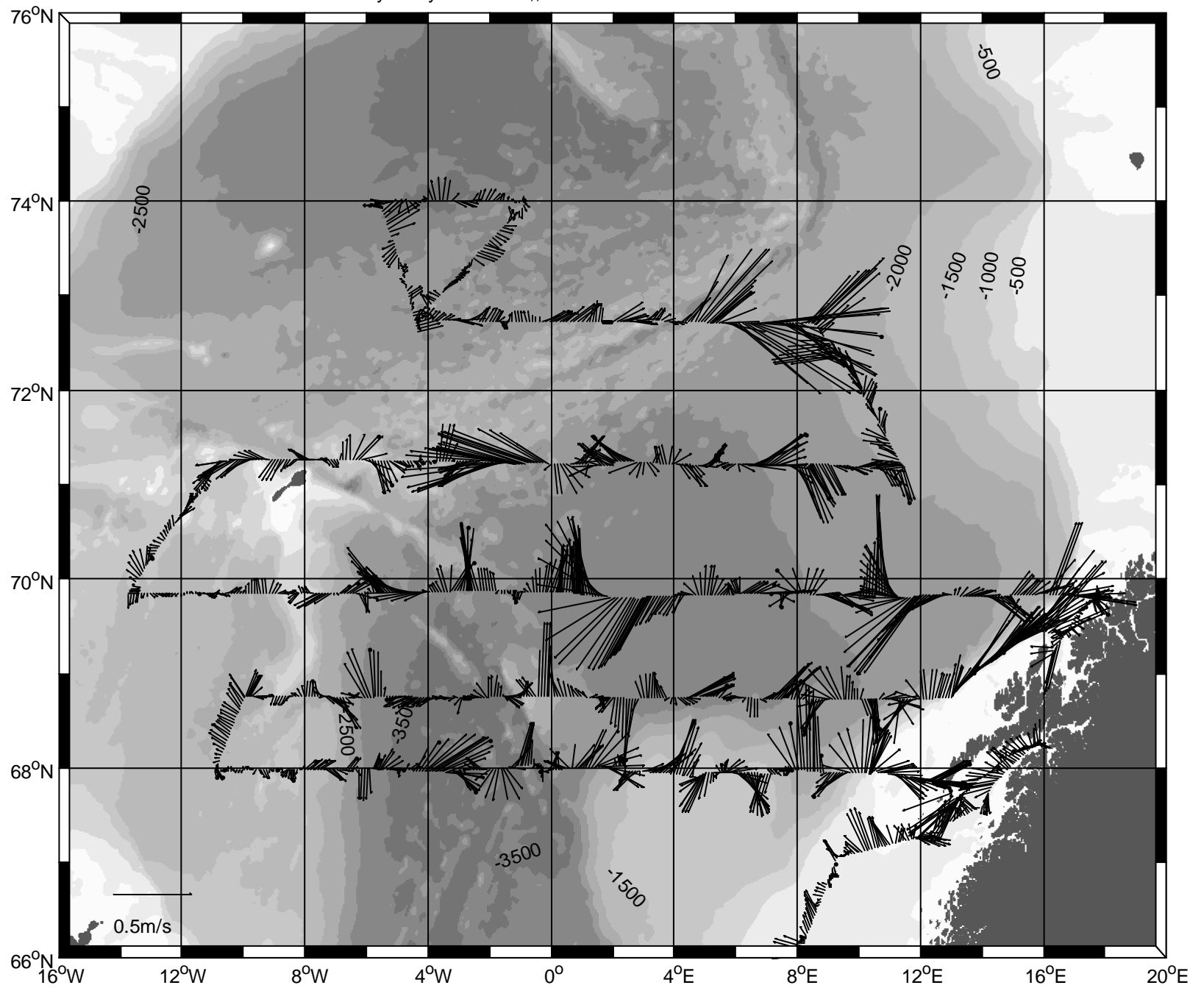
- 2006
  - 47 drifters
  - Argos
  - 1-6 Months
  - 0.5 hr
  - Position
  - Temperature
- 2012
  - 45 drifters
  - GPS
  - 1-6 Months
  - 0.5 hr
  - Position
  - Temperature

# RAFOS drifters

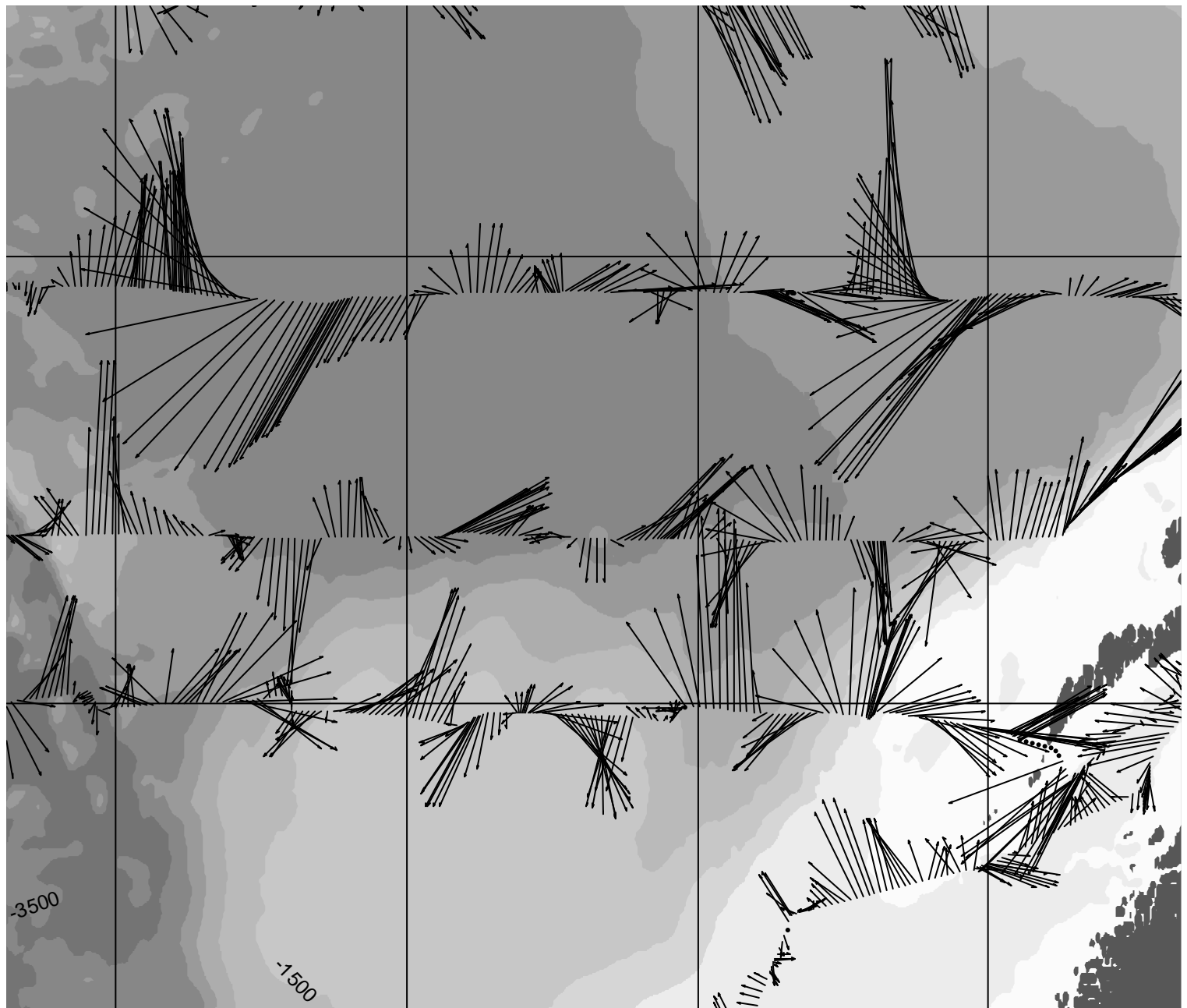
- 2015
- 25 drifters
- GPS
- 1-2 Months
- 0.5 hr
- Position
- Temperature



Velocity in layer 29-61m ;;2010-07-16 13:51:47---2010-08-03 16:33:57

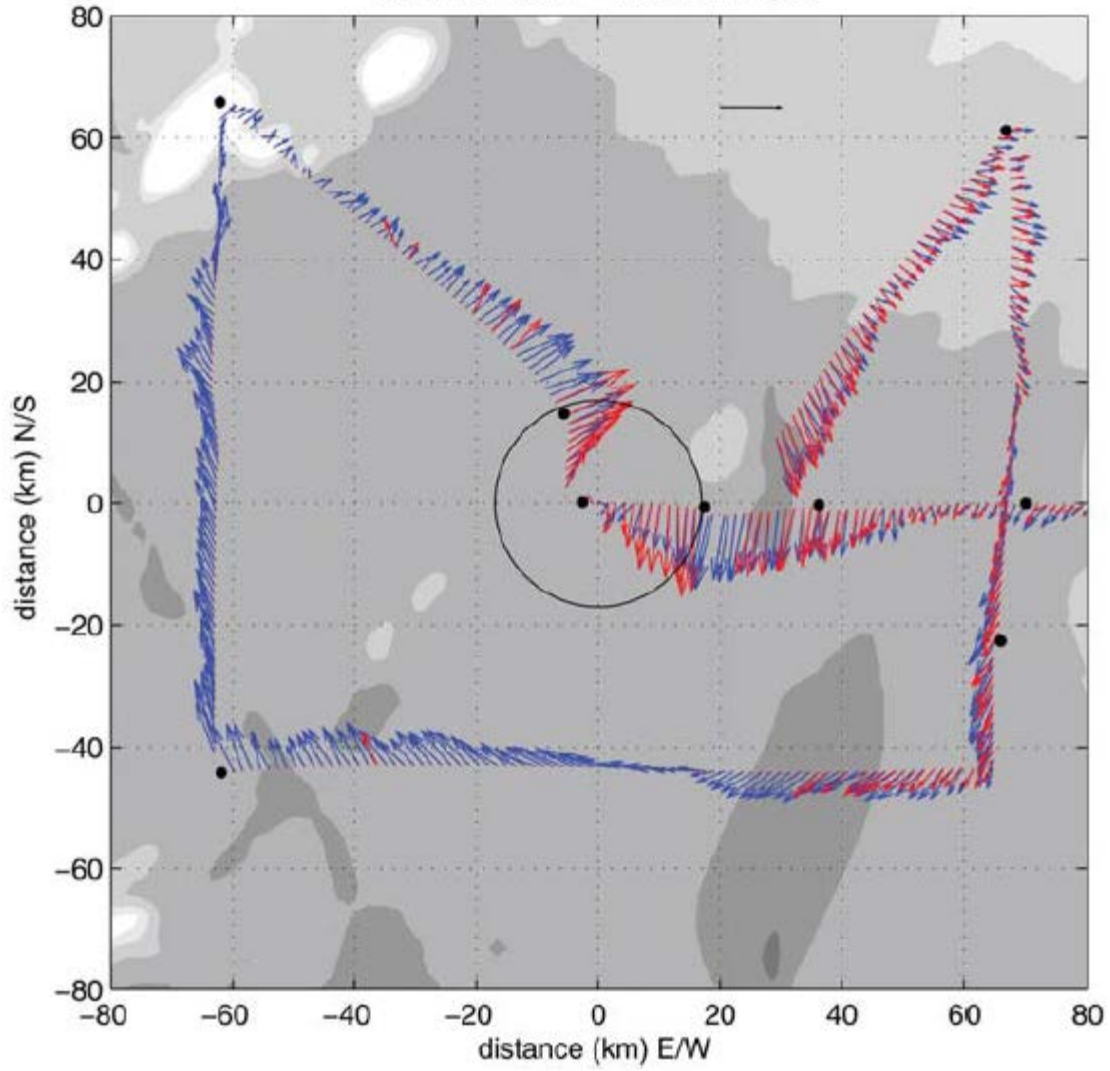


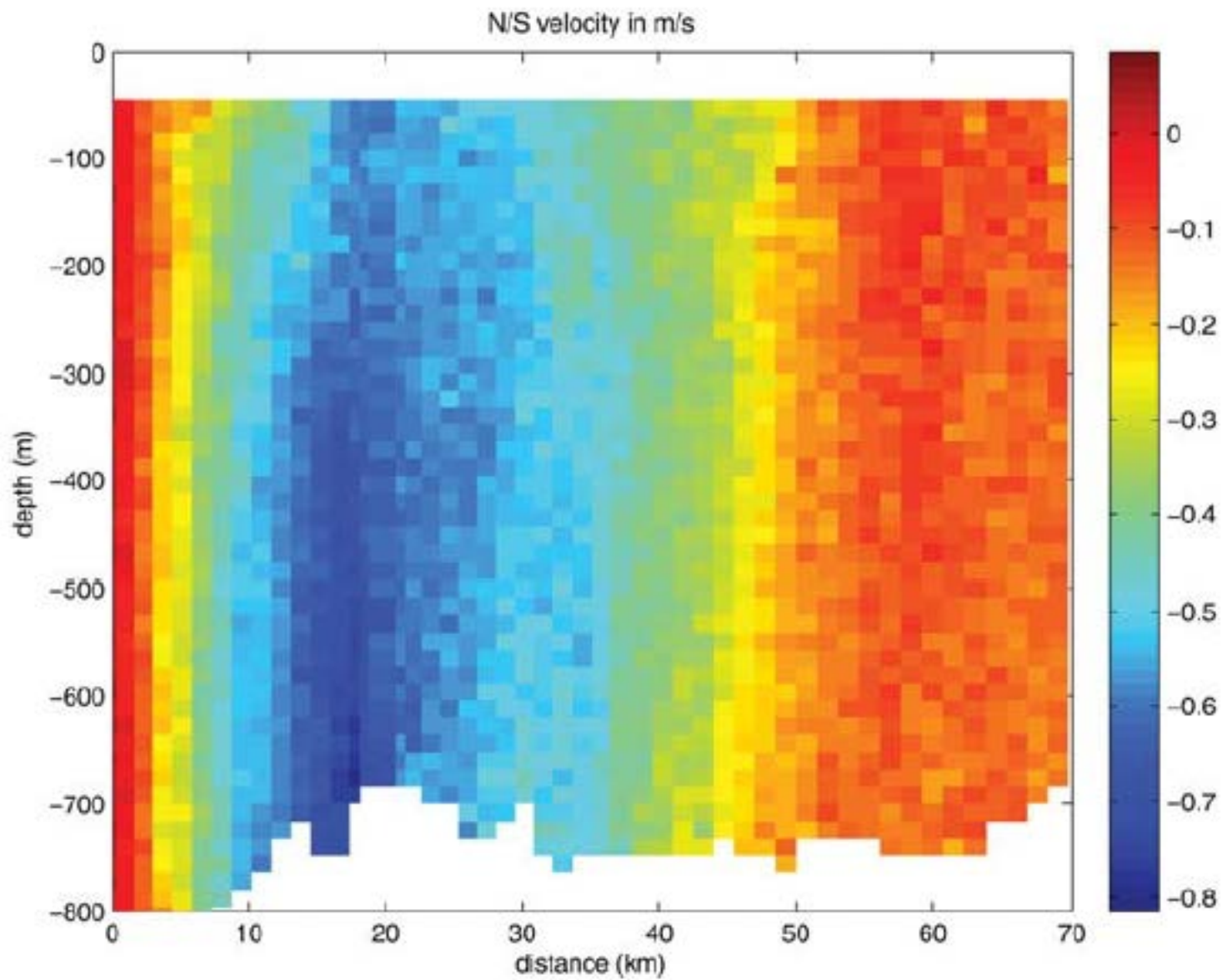
Velocity in layer 29-61m ;;2010-07-16 13:51:47---2010-08-03 16:33:57





blue/red vectors = 44/700 m depth





Temperature centre station 2010(blue)-2012(red)-2013(black)

