

# Surface Currents Project Team:

## Old Business

1. Encrypted HDF5 data: can it be zipped and/or unzipped?
2. Display a finite arrow for speed of zero?
3. HOs to begin producing HDF5 files
4. How to get dusk and night colours

# Issues for the S-111 Product Spec

## 1. UML diagrams

1. Julia P. in process of contracting
2. Zarina J. has volunteered to assist

## 2. Colour scale bar placement

1. Is the scale bar a symbol?
2. Comments from Teledyne, SPAWAR, Furuno
3. Scale is required, but display is optional
4. Place in pick report?

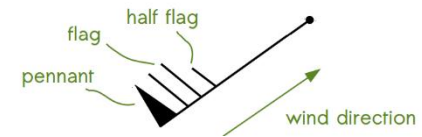
## 3. Colour schemes: day, dusk, night

1. See Annex H
2. RGB vs xyL
3. S111 follows S-52 (paper charts)
4. Maybe a new standard: user adjusts luminance (Furuno)

# Issues

## 1. Arrow Colour and Size

1. Use a single colour for all arrows, to reduce conflict with other symbols (SAPWAR)?
2. Use an arrow of different shapes to denote speed (Teledyne)?  
(c.f. wind vector symbols)



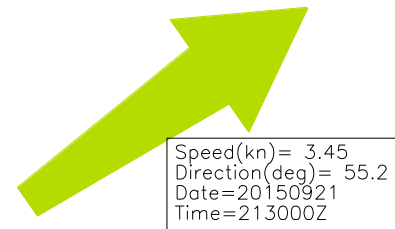
3. Make length a non-linear function of speed?

## 2. Consider netCDF

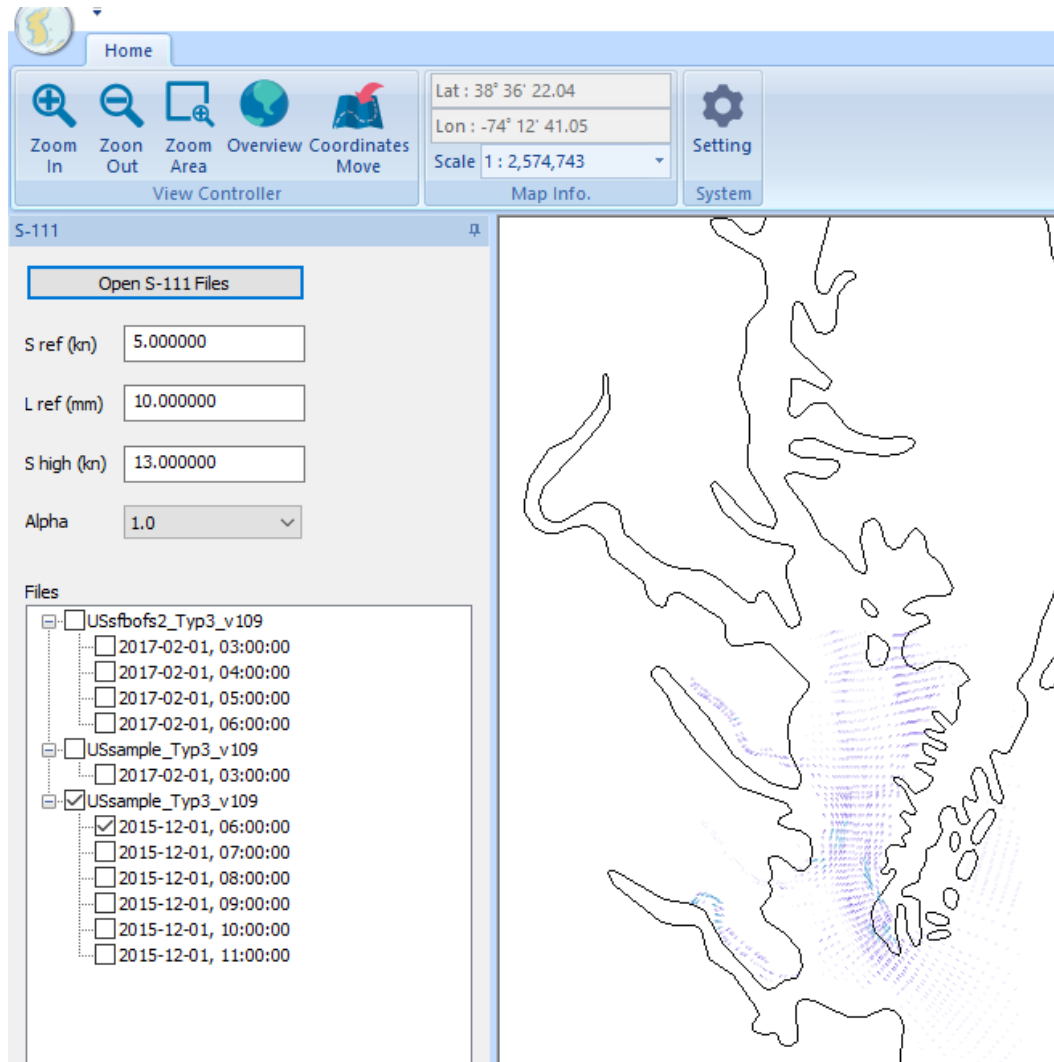
1. Currents in HDF, water levels in netCDF?
2. Supply currents files in two formats?

# More Issues

1. HDF5 file name length: remove length limit?
2. Sec. 9.5.2: Text box: what goes in?
  1. Speed and direction
  2. Date and time?
  3. Use a standard pick report?
3. Enumeration in metadata: why not integer?
4. Unused attribute: -1 rather than 0?
5. Have a standard depth of current? 0 m, 5 m, etc
6. S-111 Viewer: what we've learned



# KHOA's S-111 Viewer



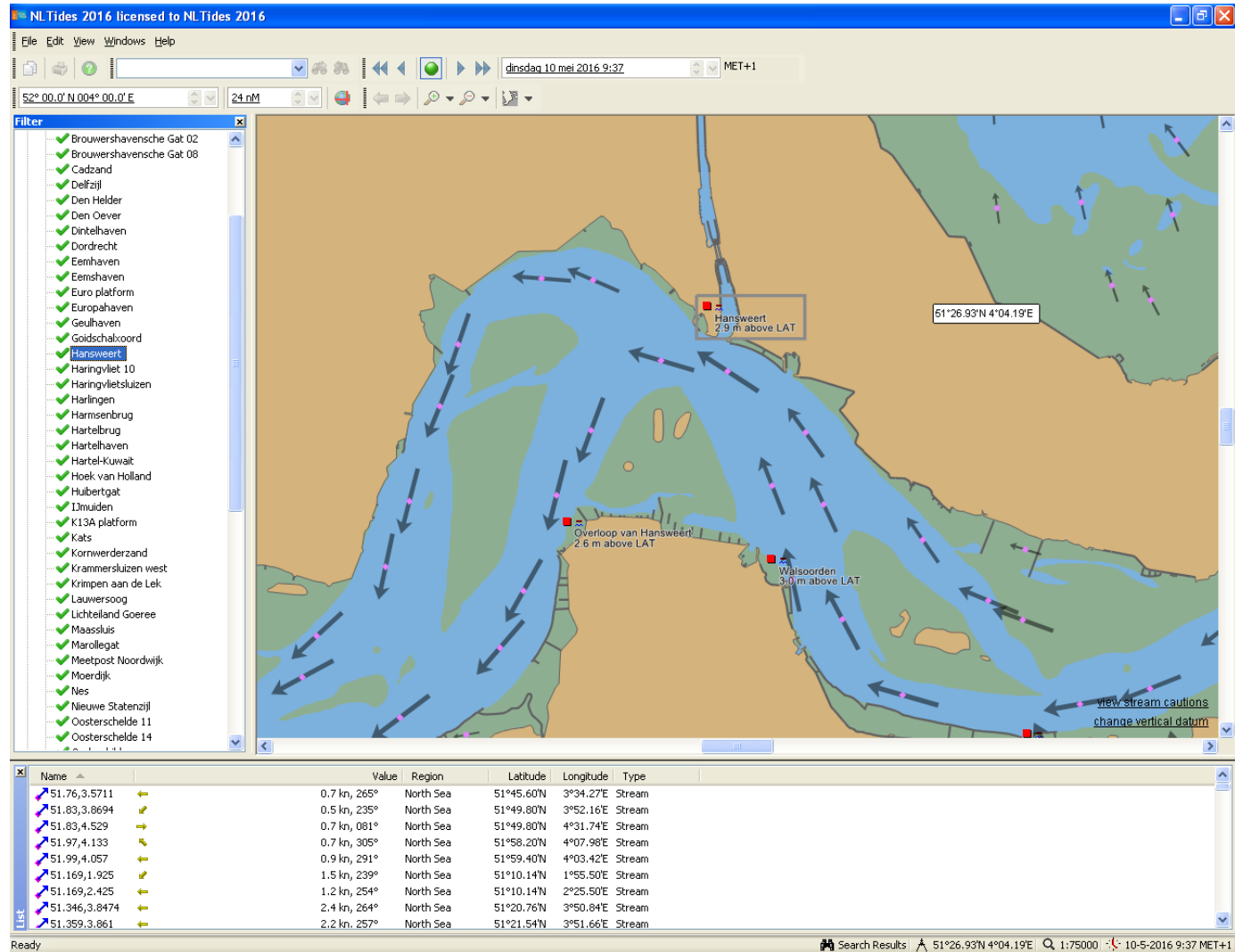
# S-111 Viewer Items

1. Time selection: it is manual on most systems
2. Time interpolation: is it needed, or desirable?
3. Data Type 4 (drifters): display one time & all times?



4. Arrows length: ability to change Sref is good
5. Arrow: one symbol size but adjust colour (SPAWAR)
6. Thinning with regular grid: not yet implemented
7. Thinning with irregular grid: no methodology yet

# Display of Warning Messages



# S-124. Product Specification for Navigational Warnings (NW)

