

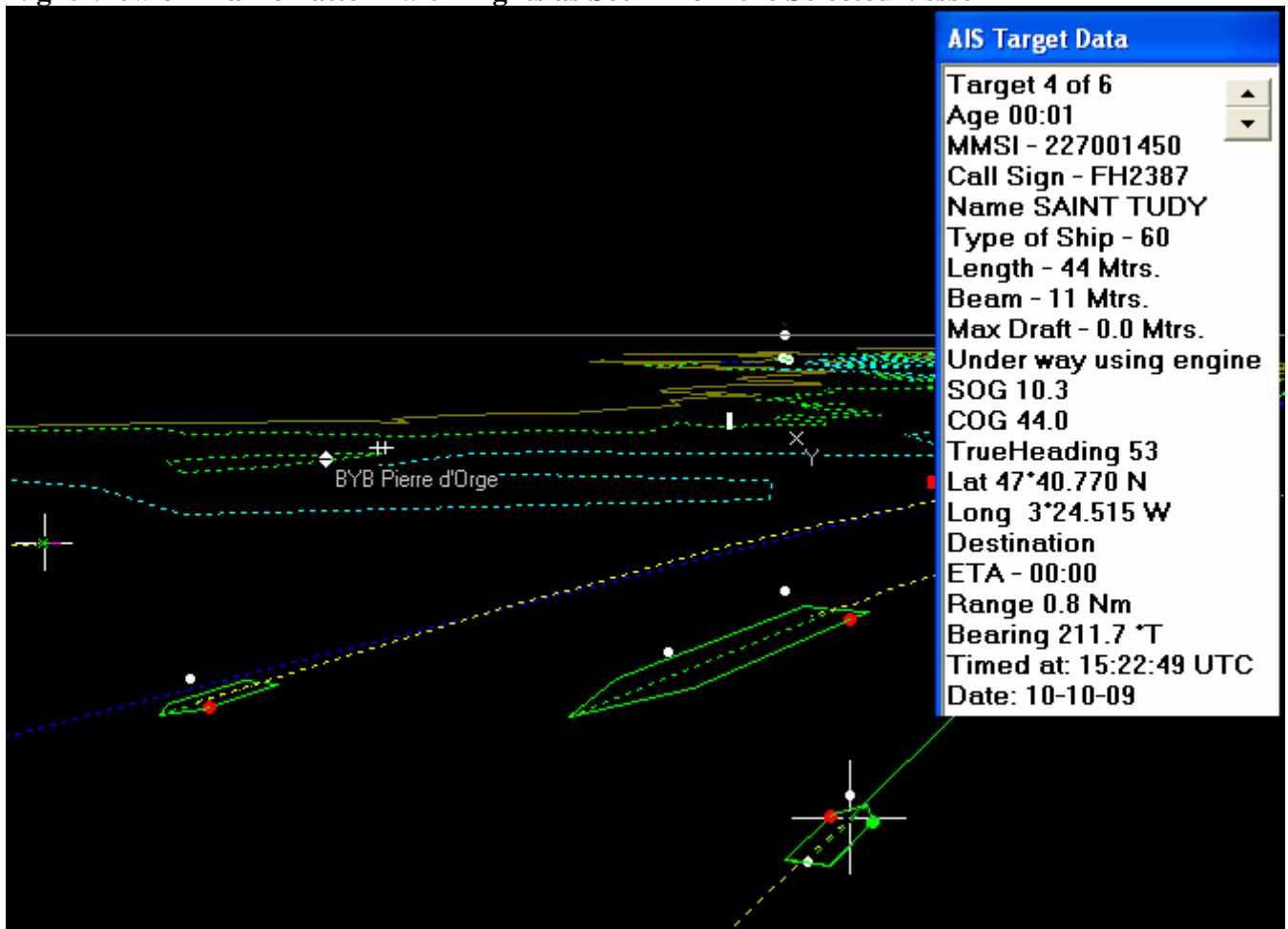


AIS Survey 5

Based on the proven Portable Navigator range of software, AIS Survey 5 provides AIS and Navigation data recording advanced real time display with playback and analysis of recorded data, including 3D visualisation and lights on vessels. This versatile software has been developed since the introduction of AIS and incorporates the feedback and requirements of many users. Applications include:

- Port operations and VTS monitoring
- Fleet management
- Incident analysis based on recorded AIS data
- AIS RADAR for ships
- Voyage Recording

Night View of Traffic Pattern with Lights as Seen From the Selected Vessel



The above is an example of a real time 3D display. The navigation lights on the vessels are shown. The larger vessel, centre, automatically has two masthead lights since it is over 50 mtrs in length. The port and starboard running lights are placed on the hull



AIS Recording and Analysis by Effective Solutions (Data Products)

outlines opposite the GPS antenna positions, which usually implies the bridge wings. In the perspective view mode additional lights can be displayed based on the navigational status of each vessel e.g. vessel with restricted manoeuvrability. The data panel on the left shows all the available AIS data for the selected target. It also shows the age of the latest AIS message, together with range and bearing of the selected target from the primary view point and allows instant selection of any target vessel using the scroll buttons. This panel is not docked and can be dragged to any position on the screen..

AIS Survey 5 - Features

- AIS and NMEA Data Recording, Playback and Real Time Display
- Playback with pause, loop, repeat and speed control for incident analysis
- Normal chart view (plan) and Perspective view (3D)
- Multiple view windows individually configured
- Selectable point of view including the bridge of any AIS target vessel
- Sweep the view angle to look in any direction from the view point
- Target hull shape display based on AIS data
- Lights can be displayed on AIS targets based on their AIS Navigation Status
- Light Visibility by the angle between view point and *actual lamp positions* *
- Optional animated lights on buoys e.g. light flash characteristics of cardinals etc.
- Voyage recorder mode enables other data to be included with AIS data e.g. depth
- Monitor Mode for fixed shore based use, e.g VTS or Coastguard Station
- Automatic Target Database updated with each new target's message type 5 data.
- The database is searched if a position report is received for instant vessel data display
- Fleet management features include tagging your fleet by MMSI number

* Using actual lamp positions is important in analysing light visibility with large vessels at close range.

Customisation

ESL can offer chart creation and other customising. Alternatively you can use the built in tools to create your own charts and port plans.

Further Information

There is a video demonstration of **AIS Survey 5** on the ESL website. If you require any further information please contact us - navigation@effective-solutions.co.uk.