ABSTRACT

The software demonstration presents a graphical user interface (GUI) for display, validation and modification of marine value added products from Kongsberg Spacetec’s automatic processing of synthetic aperture radar (SAR) images. The input to the GUI is SAR images and associated wind estimation, ship detection and oil spill detection products. The GUI allows the operator to view the radar images overlaid with wind estimates, detected objects and other vector data such as geographical overlays. For example, these may help the operator to identify possible sources of oil spill, such as oil rigs and pipelines.

The operator can verify or alter the input product by removing false detections and adding missed objects. The result can be written to browse images and reports in ASCII, XML or HDF format. Validated objects are saved in a database. The operational system produces reports and images which are disseminated to subscribers as early warnings for decision support. End-users can view reported objects together with foundation data using a light cross-platform visualisation tool designed for this purpose.