APOS Trainer

KONGSBERG

HiPAP/HPR operation system on your computer
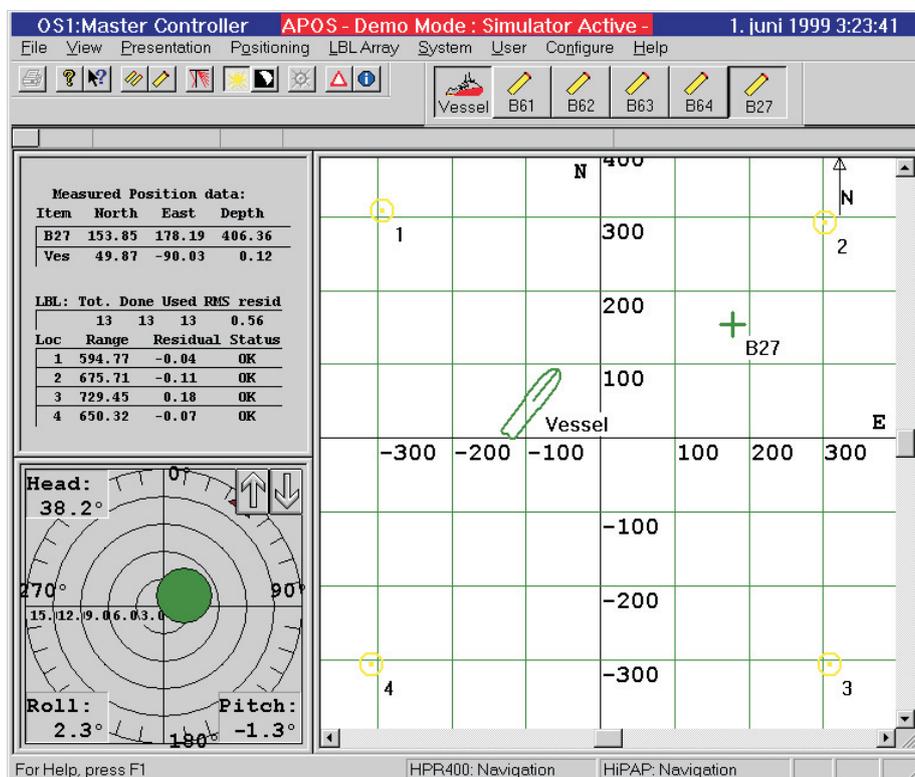
Trainer

The HiPAP® and HPR operation system is now available as a Trainer version supplied on a CD-ROM for installation on your own computer.

The APOS Trainer is operated as a normal HiPAP/HPR system, where **a simulator replaces the transceiver and the transponders.**

The APOS Trainer is suitable for training, planning and demonstration purposes. A typical LBL and SSBL operator presentation is shown in the figure to the right.

Features

- • **ACDcontainingfullAPOS** software with all options (except for some special Offshore Loading System functions). Defined with one HiPAP and one HPR 400 transceiver.
- APOS **Instruction manual**.
- **Online Help** function.
- Sound velocity **ray-trace calculation** with displaying of deflection based on velocity profile input.
- SSBL (Super-Short Base Line) positioning of transponders.
- Telemetry communication with transponders.
- Calibration of LBL (Long Base Line) arrays.

- LBL positioning in the LBL array calibrated by the Trainer. An example is shown in the figure. The vessel is positioned in the LBL array with the locations 1, 2, 3 and 4, and the SSBL transponder B27 is positioned relative to the vessel.
- LBL positioning in an LBL array set up by you. In this way you may examine the expected accuracy when positioning in different arrays, and thereby plan your LBL array.
- Data output for **testing telegram interfaces** to external computers (transmits standard HiPAP/HPR telegrams.

What is APOS

The HiPAP and HPR 400 Series of systems are both controlled and operated using the APOS (Acoustic Positioning Operator System) software. The APOS software runs on a Windows NT platform, with standard Windows graphical user interface.

The APOS is normally operated on a HiPAP/HPR Operator Station (stand alone system). The APOS software runs on an APC 10 computer when delivered as a stand-alone system, or on a COS 100 unit in an integrated Dynamic Positioning (DP) and HiPAP/HPR system.

APOS Trainer program requirements

• A personal computer with CD-ROM, running Windows NT 4 service pack 3 or newer.
• A monitor with minimum 800 x 600 resolution.
• A network card (or MS loopback adapter) installed with TCP/IP protocols.
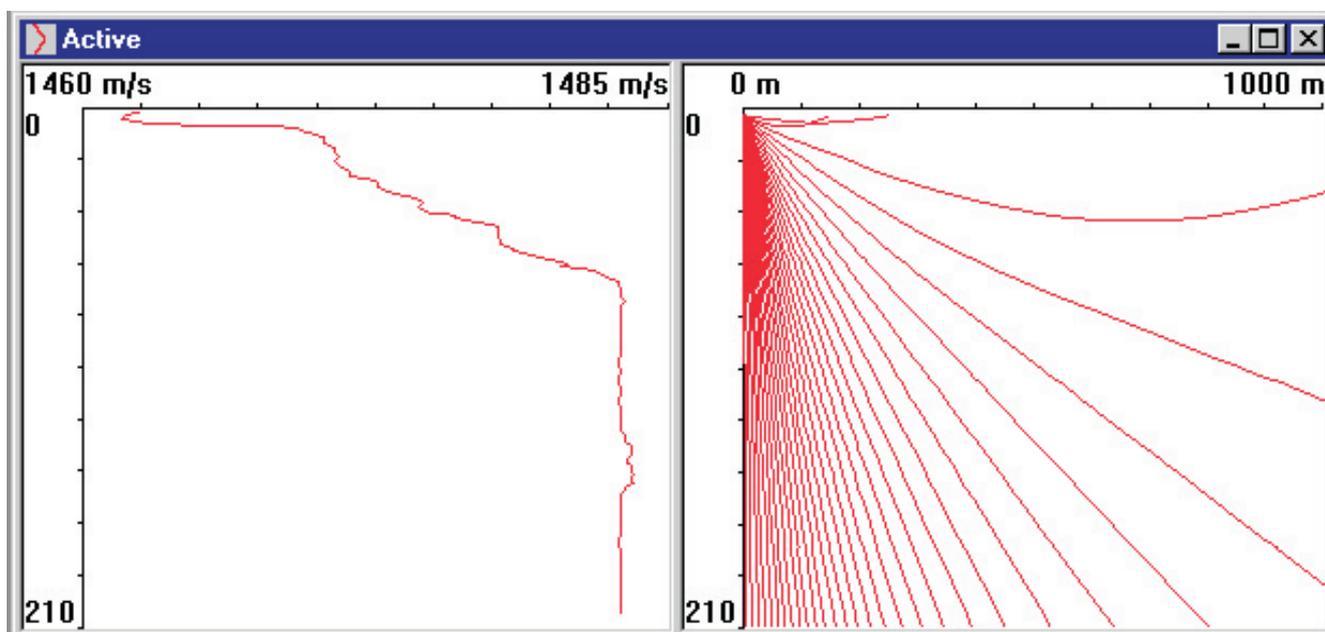
Sound velocity curve and calculated ray-bending

KONGSBERG