Canopus 2.6.1 Features

Applications:

- QA/QC of 3D Land, Transition Zone and OBC Seismic topographical information.
- Modular package contains Flow, Geometry, Binning and Coordinate tools.
- Interactive analysis of seismic data. (Flow Tool)
- Combined First Break pick and Acoustic positioning QC. (Geometry Tool)
- Interactive review of acquired fold coverage. (Binning Tool)
- Interactive correction of source and receiver locations.(Coordinate Tool)

Key Features:

- Fully integrated PC based system to increase productivity and portability.
- Use as a portable Field QA tool or Office based qc processing.
- Runs as full 32 bit application on Windows 2000, XP, Vista, Win7 (32&64)
- Tape/disk input of seismic data in either SEG·D or SEG·Y formats.
  Tape interface required for SEGD tape input.
- Exports data in SEGY format. (optional IBM,IEEE or 16 bit Integer)
- Trace header manipulation to assist further processing.
- Flexible importing of coordinate information.
  Supports SPSV1.0, Pl/84, Pl/90 or ASCII columnar formats.
- Easy visualization of any header information such as elevations, shot & water depths, field statics, etc.
- Interactive display of seismic traces in any sort order for rapid investigation of data.
- Interactive Spectral Analysis tool.
- Deconvolution Module included in Flow Tools.
- Production of Brute Stacks without the need for full processing systems assesses improvements following correction of positioning data.
- Automatic trace reversal identification.
- Full fold coverage analysis tools (Binning).
- Analysis of offset and azimuth distributions within individual bins.
- Either automatic or interactive first break picking.
  Various algorithms are available to handle all dataset types.
- Automatic generation of near surface velocity models.
- Produces fast, reliable receiver coordinate solutions from first breaks, acoustic data, or any combination of the two.
- Correctly handles water depth and near-surface velocity changes
- Fast, interactive review of first break picking.
- Map displays of source and receiver locations indicating levels of accuracy.
- Accuracy better than 2 meters in specific terrains.
- Easy visualization of predicted versus actual coordinates.
  This is particularly useful for OBC surveys.
  Includes Sonardyne acoustic positioning system support,

Minimum Recommended System Requirements:

PC:1 GHz Pentium desktop or notebook computer running Windows 2000/XP/Win7, with 40Gb HDD, 1 GB RAM, CDROM, optional SCSI tape drive or suitable data exchange/transfer medium (FTP, Network Disks, External USB or Firewire Disk etc) and Sufficient disk storage for the project data.