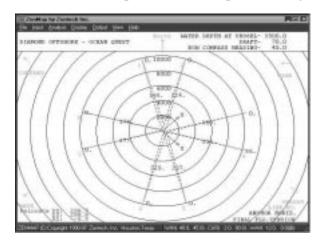
Vessel Positioning and Mooring Advisory Software



Features

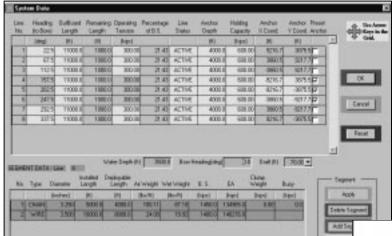
- Static and Quasi-Static Analysis
- · Option for Pre-Set Mooring Lines
- · Weather Heading Relative to Bow or Compass
- · Influence of Thrusters
- · Adding and Deleting Line Segments
- Usage of Buoys and Clump Weights
- · Effect of Bottom Slope
- · Automatic and Manual Relocation

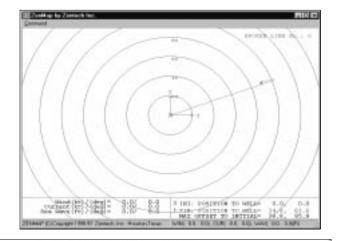
ZenMAP is a Powerful State-of-the-art, Rig-Specific Mooring Advisory Program, for use on Offshore Drilling Vessels, Floating Production Systems and other Moored Vessels.



Graphic Displays

- · Line Spread with Line Tensions and Anchor Forces
- · Initial and Relocated Positions of the Vessel
- · Catenary Profile of Individual Lines
- · Display of Pipeline in Line Spread and Line Profile
- · Vessel Motion History after Line Breakage





Calculations Performed

- · Computes Environmental Forces from Weather Data
- Calculated Vessel offsets and Line Tensions
- · Determines Anchor Position and Anchor Loads
- Estimates Payouts and Haul-in Required for Auto Relocation
- · Estimates Distance Relocated for Given Payout
- · Single Line Analysis
- · Line Break Transient Analysis
- · Calculates Pipeline and Buoy Clearances



