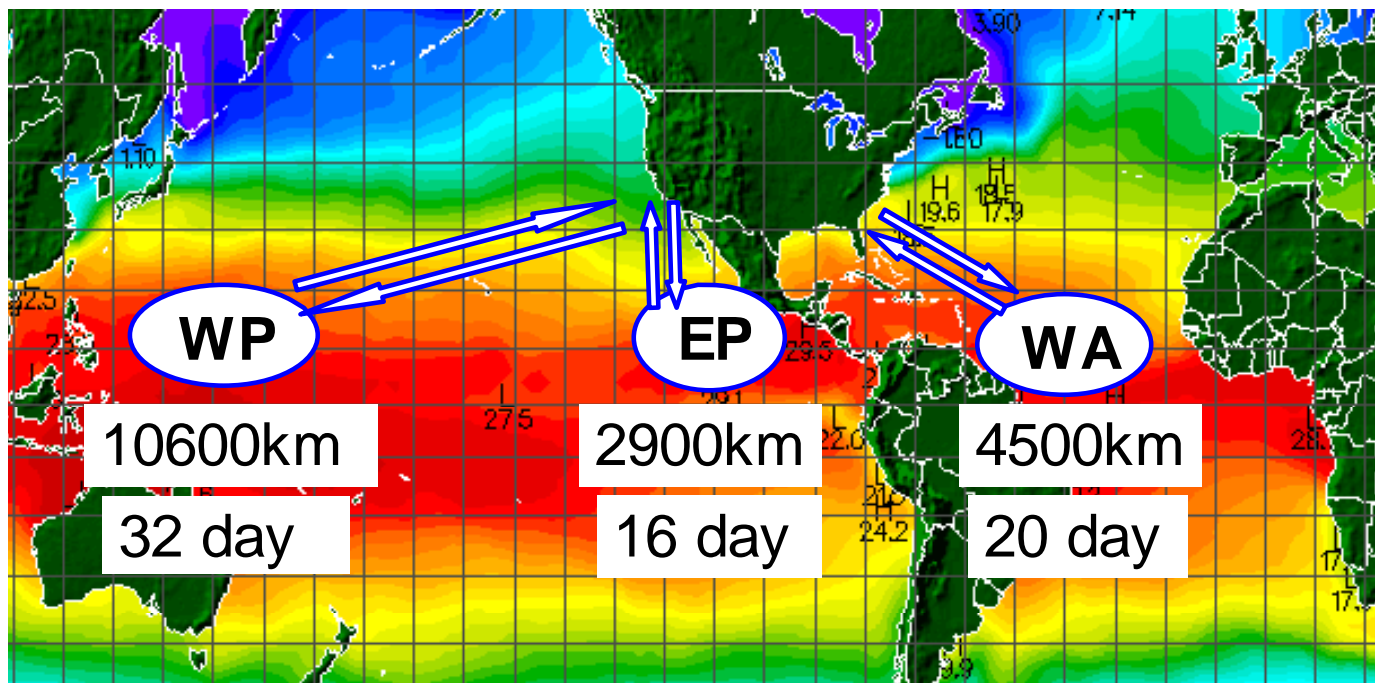


Pipe Platform Interface For NOAA Technology Workshop



November 2009

Pat Grandelli, P.E.

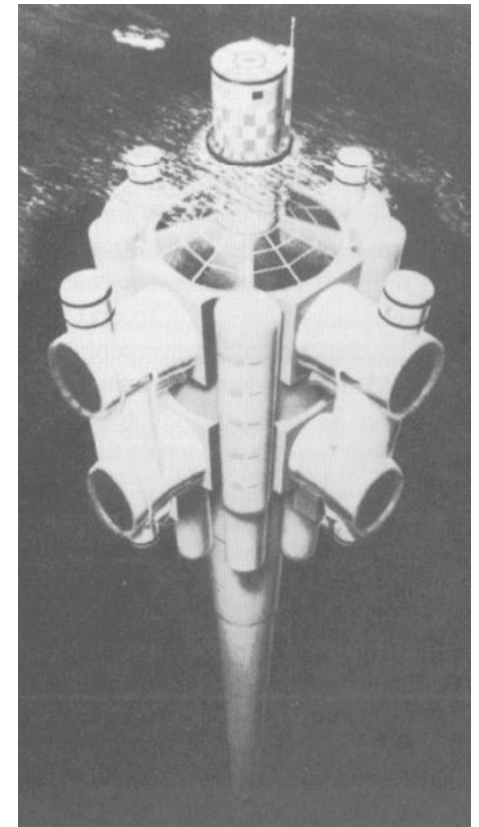


Makai Ocean Engineering, Inc.

pat.grandelli@makai.com 540-522-8206

1980 Technology

- 300m depth was new
- Programming is Fortran on mainframe
- Most analysis frequency domain
- No coupled analysis of pipe with platform
- Sparse deep ocean data



2009 Technology

- Deepwater > 1000m is an established industry
- Suppliers, Codes, Experience
- Coupled time domain analysis on Desktops
- Better deep ocean data

