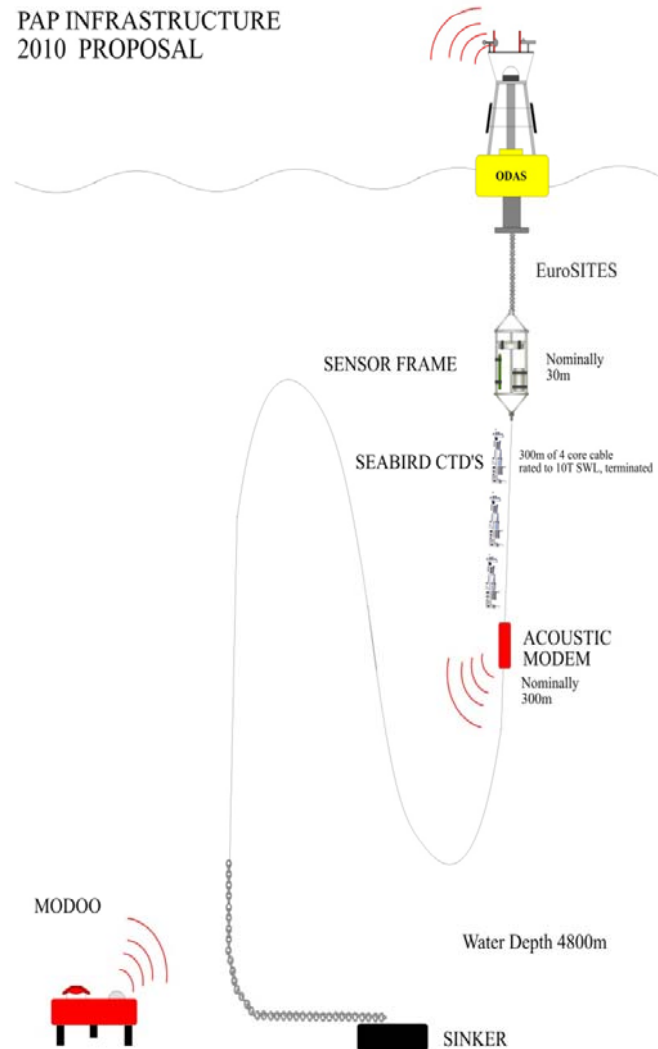


PAP – Deep Ocean Mooring System

Modelling and simulation with WHOI cable v2.0 software

PAP INFRASTRUCTURE
2010 PROPOSAL



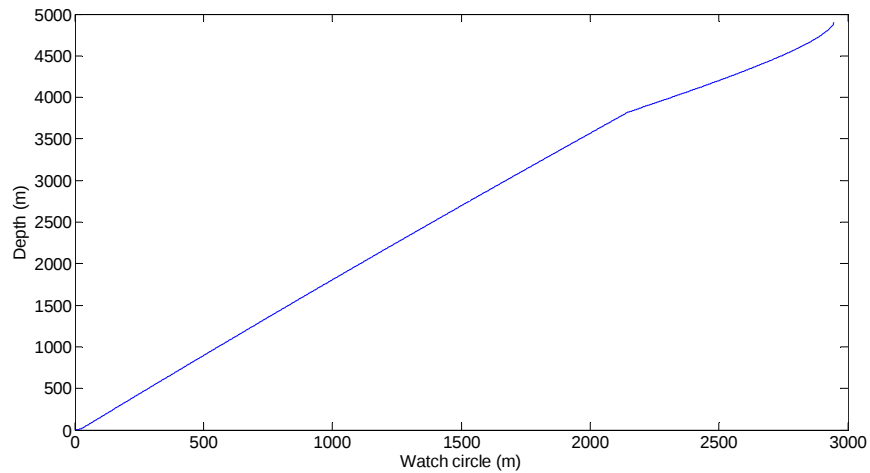
Conditions:

- 20 m waves
- 1 m/s currents
- 25 m/s wind speed
- Water depth 4900 m
- Rope length $\approx$ 5500 m

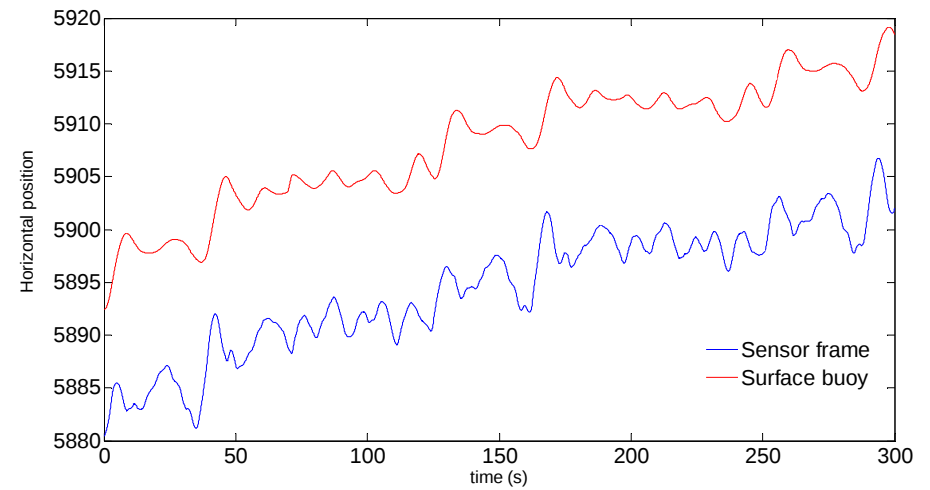
Simulation period: 300 s

Results

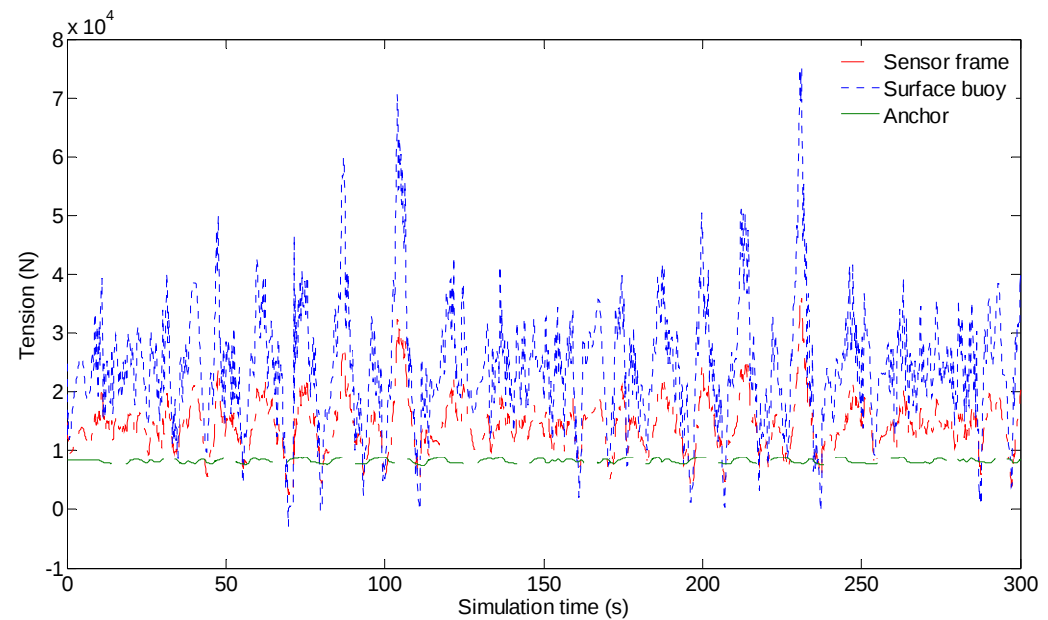
“Spaghetti” diagram



Horizontal positioning of nodes



Tension at different nodes



PAP Mooring & WHOI cable

Results are similar to the ones that a static modelling software suggests +++

Different conditions different results → +++

Often programme did not converge → Code problem or mooring design? --

WHOI cable → User friendly (??); one of the few dynamic simulation mooring software