

Near-Bottom Velocity Measurements

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Shallow water mooring configuration. Real-time monitoring by line-of-sight radio transmission

Surface radio can be mounted on buoy (as shown) or on an existing tower (e.g. USAF maintained K-Tower)

Because of solar panel on buoy/tower,
Limiting factor is marine fouling

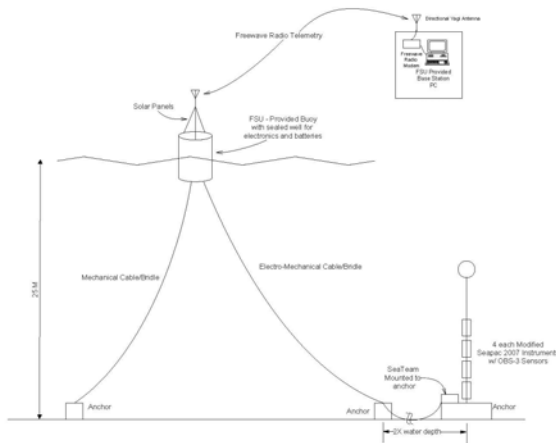


Figure 1. Sketch of proposed shallow mooring with radio telemetry and surface buoy.

Deeper mooring

Quasi-real time
data acquisition
Data pre-processed
and stored in data-
acquisition system and periodically
transmitted to
surface (boat as
indicated) or to a surface buoy with
data-acquisition system
for periodic down-
loading via satellite

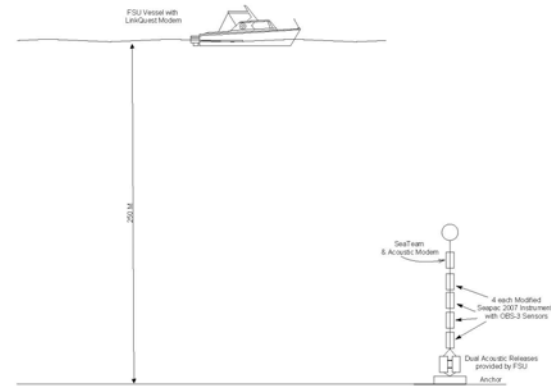


Figure 2. Sketch of proposed deep mooring with acoustic telemetry to visiting ship.