

Follow the fluids: Integrating multi-disciplinary observations of deep-sea hydrothermal systems

AGU session proposal ID: 8474

Dispersal (particles, microbes, ...)

Tidal forcing

Heat, Mass and chemical fluxes

Associated ecosystems:

- microorganisms
- metabolic processes
- larvae

Vent dynamics:

- fluid chemistry
- temperature
- velocity

Permeability structure

Faulting

Plumbing system

Fluid-Rock interactions

Phase separation

Deformation and changes in brittle-ductile zone

Magma chamber geometry and dynamics

