The Wire Flyer vehicle system and high resolution hydrographic sections

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Modem interface

Typical mission

Looking for seep related water column features, Costa Rica margin

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OMZ Wire Flyer Transect with MOCNESS

Zooplankton Sampling

1 m², 222 μm mesh Sea-Bird SBE911plusCTD SBE43 oxygen sensor Horizontal 8 nets same depth Vertical (8 or 9 nets) Day Night 0-1000, 0-350, 350-650, 600-800, oxycline tracking

Tucker Trawls 3 m² mouth 100 m long Insulated cod end CTD sensors Long tows at depth

Zooplankton Variability and Oxygen (425 m)

Zooplankton Abundance and Oxygen (425 m)

Wire Flyer Transect with MOCNESS 726

Zooplankton Variability and Oxygen (430 m)

Wire Flyer Transect with MOCNESS 728

Zooplankton Variability and Oxygen (800 m)

Side-looking acoustics

 EK80 echosounder with 70 kHz and 200 kHz frequencies

