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Kilo Nalu: Physical/Biogeochemical Dynamics Above and Within Permeable Sediments

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First Paragraph

The Kilo Nalu Nearshore Reef Observatory is a cabled physical-biogeochemical ocean observing system along the south coast of Oahu, Hawaii. Real-time observations began with the deployment of a range of instrument packages in March 2007, followed in July 2007 with an autonomous profiler, a moored instrument array, and event-focused shipboard and autonomous underwater vehicle (AUV) surveys. The tropical reef seabed at this site consists of live coral, a fossil limestone reef, and carbonate sands. The slope of the seafloor is 1:30 from the shore to 40-m water depth, 1:2 from 40–100-m depth, and 1:1 from 100–250-m depth. The latter depth is located ~ 2 km offshore, reflecting the extremely narrow coastal shelf at this site.

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