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| Dive No. | K 203 | Date | 2001/08/27 | |
| PI | Name | Affiliation | | |
| Japanese | 可児 智美 | 熊本大学環境理学科 | | |
| English | Tomomi Kani | Department of Environmental Sciences, Kumamoto University | | |
| Specialty | Geochemistry | | | |
| Purpose | Rock sampling | | | |
| Area | Newly recognized submarine SW Oahu volcanism | | | |
| Site | One of the steep cone and the high reflectivity area | | | |
| | Latitude | Longitude | Time | Depth (m) |
| Landing | 20° 40.0' N | 158° 51.5' W | 09:55 | 4180 |
| Leaving | 20° 40.5' N | 158° 52.0' W | 14:36 | 3831 |
| Dive Distance | 2500 m | Deepest point | 4226 m | |
| Dive summary | <p>KAIKO landed on the flat mud bottom at the depth of 4180m. From this point, we took a course at fast due east 20 m, to a cliff, and then westward of ca. 1km approximately flat floor, and then northward, climbing up the steep slope to the summit of cone, 3831m depth. This dive achieved the following objectives:</p> <p>1) In order to obtain information for all stage of newly recognized SW Oahu volcanism, we observed and videotaped volcanic construction and sediment distributions on one of the steep cone and the high-reflective lava flow.</p> <p>2) We collected rock specimens at 15 sites for further petrological and geochemical studies. Also, we collected a sediment sample with the push core sampler. According to on-board descriptions, the 16 rock specimens are fresh or weak altered pillow or sheet lavas and 7 rock specimens are siltstones.</p> | | | |
| Payload | 1 sample baskets (large), 1 sample box (small), 4 push core sampler | | | |
| Visual Records | VTR (Broad casting grade), VTR (center, right & left), Still camera 400 | | | |
| Sample | Rocks: 23, push core:1 | | | |
| Video highlights | (1) 11:09-11:15 (2) 11:30-11:32 (3) 14:17-14:27 | | | |
| Key words | SW Oahu submarine volcano, Pillow lavas, Arch lavas | | | |