DATE: 14 August 1984 SAMPLE:
CRUISE ID: SO 33 39 DK box dredge
LOC: VI
AREA: D (N of SP Lee Guyot)

	time (GMT)	LAT (N)	LON (W)	water depth (m)	wire
ON BOTTOM =	0518	9°10.742	164°49.795	~1262	136
OFF BOTTOM =	0627				120

RECOVERY WEIGHT: total 8 kg crust 3 kg
5 kg basalt

CRUST THICKNESS: Veneer to 4 cm Avg 2.5 cm
2 generations

SUBSTRATE: basalt
(Germans say Blasenlava?)
(vesicular)

COMMENTS:

* 1 bio sample

39 DK

Rock Type: Olivine Basalt (AOB?)

Color: Dusky Brown (5YR 2/2)

Texture: Microphyric; hyalopilitic-intersertal

Phenocrysts: Olivine, ±5%, ±1mm dia. (single euhedron)

Groundmass: glass, olivine, plagioclase, clinopyroxene?, opaques (not determined)

Vesicles: %: ±15%

Size: ±3 mm dia. avge

Shape: round to irregular, coalescing

Filling: calcareous ooze? ±50% of the vesicles

Alteration: extensive – complete (?) (Oxidation, iddingsitization of olivine, smectitization, zeolitization, hydration)

Remarks: fragments of small pebble-size recovered from dredge, probably broken from outcrop (probably highly fractured beforehand because of infiltration of calcareous ooze into vesicles to form amygdules?) Serves as substrate for quite thick (±1cm) consolidated, wavy ferromanganese oxide crust