DATE: 15 August 1984 SAMPLE:
CRUISE ID: SO 33 47 DK box dredge
LOC: VI
AREA: D (N of SP lee Guyot)

| | time (GMT) | LAT (N) | LON (W) | water depth (m) | wire o |
|---|---|---|---|---|---|
| ON BOTTOM = | 1736 | 9°11.217 | 164°53.46 | ~1420 | 147 |
| OFF BOTTOM = | 1837 | | | | 145 |

RECOVERY WEIGHT: total 0.10 kg crust 0.09 kg
0.01 basa

CRUST THICKNESS: .5 - 1 cm Avg = 1 cm
knobby crust w/ scour surfaces
2 generations

SUBSTRATE: 10 gm of olivine basalt

COMMENTS:

1 sponge

* 1 bio taken

17 [illegible] Dr

SO33 45 GTV 1

SO33 47DK1

| | |
|---|---|
| Rock Type: Globigerina(?) ooze | Olivine Basalt |
| Color: very pale orange (10YR 8/2) | Moderate yellowish-brown (10YR 5/4) to Dark yellowish-brown (10YR 4/2) |
| Texture: | Microphyric; intersertal, subtrachytic |
| Phenocrysts: | Olivine, ±20%, ± 0.50 mm<br>Augite(?) << 1%, ± 0.75 mm |
| Groundmass: | Olivine, plagioclase, clinopyroxene, glass, opaques → not determined |
| Vesicles: V%: | |
| Size: | extremely variable (± 0.20 mm – ± 4 mm) (± 1 mm diameter) |
| Shape: | round to irregular, flattened |
| Filling: | Calcite lining, at most, f[illegible] ~10% of the number of vesicles. |
| Alteration: | extensive. (oxidation, hydration; iddingsitization of olivine; smectitization, zeolitization of glass, carbonation) |
| Remarks: | a few pebble-size clasts of basalt from dredge; bears a fragment or two of moderate brown phosphorite on upper surface, Fe[illegible] stains; like other nearby samples probably altered hydrothermal even before being erupted, rare Mn-oxide dendrites and veinlets on fracture faces, fulling fractures. |