DREDGE 21

Dredge Sample Summary Sheet

Sample ID	Bulk CC	Layer CC	Pt & Au	Ree	OC	DPTS/TS	XRD	35mm Photo	Paleo	Archive
D21-2							✓			
D21-3A	✓						✓			
-3B							✓			
D21-4	✓						✓			

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 Size (cm): 8x6.5x4.5 Location: ~~V2-91-CP~~ Batiza Guyot

Sample Id: D21-1 Weight (kg): 0.260 Depth (m):

Mn Crust Description

Surface Texture: Granular - side piece?

Mn Crust Thickness (mm):

Min: Patina Max: 8 Ave: 5

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1				Black, porous
2				some alteration
3				
4				
5				
6				

TUNES 6
D21-1

Comments and XRD Mineralogy:

Subsa

Substrate Description

Rock Type: Amygdaloidal Basalt

Grey

Description: Aphanitic groundmass w/ olivine, plag, pyroxene. Some altered phenocrysts rare calcite in voids

Biology (?):

Described by: JW

Subsampled by:

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 Size (cm): Whole 11.3 X 9.3 X 5 Location: Batiza Guyot ~~V3-91-NP~~

Sample Id: D21-2 Weight (kg): 0.5 Depth (m):

Mn Crust Description

Surface Texture: Smooth to Granular nodule

Mn Crust Thickness (mm):

Min: Patina Max: 6 Ave: 2

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1				Black, slightly
2				porous
3				some Fe stains
4				
5				
6				

D21-2 TUNES 6

Comments and XRD Mineralogy:

Rare crusts on the bottom surface of the Mn

Subs

D21-2 XRD red mineral Replacement in Substrate

Substrate Description

Rock Type: amygdaloidal basalt Grey-red

Description: aphanitic ground mass with semi-altered olivine, pyroxene & plag + red mineral replacing some phenocrysts

Biology (?): ~~[illegible]~~ forams

Described by: JW

Subsampled by: JW

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 Size (cm): 12 X 11 X 6½ Location: Batiza Guyot ~~V3-91-NP~~

Sample Id: D21-3 Weight (kg): 0.76 Depth (m):

Mn Crust Description

Surface Texture: Fragmented
Smooth

Mn Crust Thickness (mm):

Min: 10 Max: 16 Ave: 13

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	10	16	13	Brown-Black dense to porous
2				some red
3				alteration
4				
5				
6				

Tunes 6
D21-3

Comments and XRD Mineralogy:

Subsam

D21-3A CC, XRD bulk Crust
D21-3B XRD yellow replacement in substrate

D21-3A 0-15mm 22.7g

Substrate Description

Rock Type: amygdaloid basalt
Grey-Yellow

Description:
Phanitic basalt w/ 99% altered phenocrysts to a yellow substance large cracks lined w/ Mn oxides and partially filled w/ foram

Biology (?): sediment

Described by: JW

Subsampled by: JW

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 Size (cm): 15 X 8 X 5.3 Location: ~~V2-91-CP~~ Batiza Guyot

Sample Id: D21-4 Weight (kg): 0.44 Depth (m):

D21-4 TUNES 6

Mn Crust Description

Surface Texture: Smooth

Few fragmented areas

Mn Crust Thickness (mm):

Min: 12 Max: 20 Ave: 15

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	12	20	15	Black, porous
2				some alteration
3				rare phosphatized clasts
4				near the substrate
5				
6				

Comments and XRD Mineralogy:

Subsam

D21-4 CC, XRD bulk crust

0-15 mm 48.8g

Substrate Description

Rock Type: Sedimentary Breccia

Yellow Brown

Description: Poorly sorted subrounded pebbles in a hyaloclastite matrix

Biology (?):

Described by: JW

Subsampled by: JW