- Any samples that did not have assigned sample numbers I assigned a number to, preceded by "M" for Mn. for example "D29-M1". However D22-2 was an original sample #, so left as is.

← Dave Claques's suggestion so as not to confuse w/ other Gorda Ridge samples from this cruise.

D10

Sample Description

Cruise I.D: ~~L5-83-HW~~ L5-85-NC

Sample I.D: Sta: D10-1

Location: Gorda Ridge, Axial valley, east wall

Size: 5 pieces + 1 small chip Weight: all pieces = 4.52 kg (sample is dry)

longest 14x13x8 cm, smallest 6x6x4.5 cm

Start: 42°43.38' 126°42.59'

End: 42°44.12' 126°41.94'

Depth: 2719-2542 m

Mn crust thickness:

Total: min: 0 max: ≤1 mm (coating) ave: <1 mm

Inner crust: min: max: ave:

Outer crust: min: max: ave:

Surface texture: Granular. Under hand lens coating resembles [illegible]

Internal structure:

layered:

laminated:

massive:

porous:

dendritic:

other:

Mineralogy (XRD):

Associated alteration, phosphorite, or hydrothermal deposits:

Substratum:

Rock type: Basalt

Description: Aphyric, vesicular, occasional phenocrysts of pyribole, plag. Mn patina

Mineralogy (XRD):

Analyses and subsamples:

analysis:	analyst:
D10-1-I basalt ; XRD	J. Morgenson
-I Mn coating ; XRD	

L5-85-NC

D10-1