D30

Sample Description

Cruise I.D: ~~LS-83-MW~~ LS-85-NC

Sample I.D: Sta: D30-M1 my #

Location: President Jackson Seamounts

Size: several pieces of crust

Weight: 1.0 kg (sample is wet)

longest ≈ 11.5x9x2 cm

start: 42° 50.85', -128° 12.23'

end: 42° 51.52', -128° 12.51'

depth: 1927 – 1860 m

Mn crust thickness: see description below

Total: min: max: ave:

Inner crust: min: max: ave:

Outer crust: min: max: ave:

Surface texture:

Internal structure:

layered:

laminated:

massive:

porous:

dendritic:

other:

Mineralogy (XRD):

Associated alteration, phosphorite, or hydrothermal deposits:

Substratum:

Rock type: No Substrate

Description: Crusts several have distinct layers: outer layer is porous 3 to 5 mm thick, layer 2 is more dense [illegible] 4 to 6 mm thick, layer 3 is laminated 2 to 5 mm thick, layer 4 is like layer 2 dense & resinous 4 to 6 mm thick. 2 small pieces of thicker crust up to 30 mm w/o any layering but moderately porous. One group (broken & sawn up piece) has interesting botryoidal development, scalloped botryoids

Mineralogy (XRD): this crust shows no layering but is laminated (photo on back of botryoids)

LS-85-NC

D30-M1

Analyses and subsamples:

analysis:	analyst:
D30-1; - CC, XRD	54 grams
sample composed of 2 types of crust, homogenized (smooth crust on botryoidal crust)	

L5-85-NC

D30-M1