D33

Sample Description

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

Sample I.D: Sta: D33-1

Location: President Jackson Seamounts

Size: 14x13x3 Weight: 680 gms (sample is dry)

start: 42°44.04', 128°06.4'

end: —

depth: 1563-1601-1460 m

Mn crust thickness:

Total: min: max: ave:

Inner crust: min: max: ave:

Outer crust: min: max: ave:

Surface texture: subdued botryoidal

Internal structure:

layered:

Micro-laminated: X inter-laminated micro-layers (rusty phosphate?)

massive:

porous:

dendritic:

other:

Mineralogy (XRD):

Associated alteration, phosphorite, or hydrothermal deposits:

Substratum:

Rock type: Olivine basalt

Description: almost completely glass; Altered hyaloclastite rind between basalt and crust

Mineralogy (XRD):

LS-85-NC

D33-1

Analyses and subsamples:

analysis:	analyst:
D33-1 CC, XRD	33gm from top of sample

Sample Description

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

Sample I.D: Sta: D33-3

Location: President Jackson Seamounts

start: 42°44.04', 128°06.4'

end: —

depth: 1563-1601-1460

Size: only have ½ of slabbed sample ~?x12x8

Weight: 1.0 kg (sample is dry

Mn crust thickness:

Total: min: 1mm max: 7mm ave: 3mm

crust is mostly missing

Inner crust: min: max: ave:

Outer crust: min: max: ave:

Surface texture:

Internal structure:

layered:
laminated:
massive:
porous: X very, rust filled
dendritic:
other:

Mineralogy (XRD):

Associated alteration, phosphorite, or hydrothermal deposits:

Substratum:

Rock type: hyaloclastite

Description:

cobble sized pieces of glassy basalt in a matrix of sand sized glass shards cemented by altered glass matrix

Mineralogy (XRD):

Analyses and subsamples:

analysis:	analyst: