MGG09005067

LABORATORY ITEM #1013

A SUMMARY OF X-RADIOGRAPHY AND SOUND VELOCITY OF FIVE CORES FROM THE EAST SEA OF JAPAN (NOVEMBER-DECEMBER 1968)

Prepared by: Richard Lohner
William Vestal

Prepared for Code 9390

Reduced, Xeroxed, Collated, and Distributed by Code 3412

March 1975

West Coast Laboratory - Pacific Support Group

U.S. NAVAL OCEANOGRAPHIC OFFICE
WASHINGTON, D.C. 20373

CORE RADIOGRAPHIC DESCRIPTION SHEET

NAVOCEANO EXP-3167 105 (REV. 9-73)

MCC09005067

2

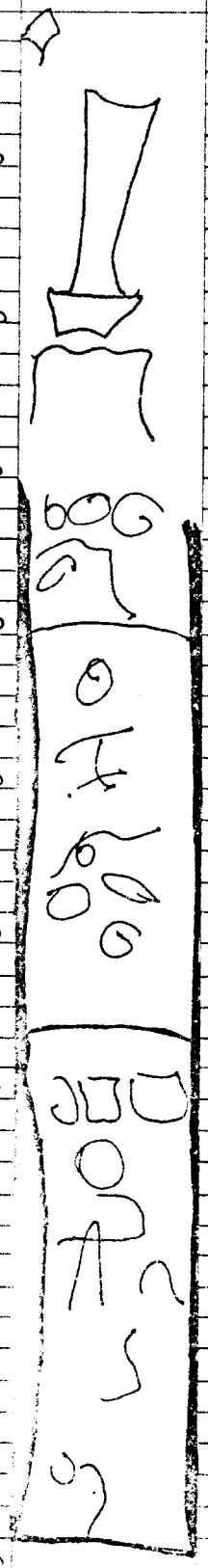
SAMPLE NO.: 1013-B | LOCATION: | SAMPLER TYPE: Ewing Piston

LATITUDE: 39° 21.5' N | WATER DEPTH (M): 5450

LONGITUDE: 148° 59' E | CORE LENGTH (CM): 474

DATE CORED (D,M,Y): 2 DEC 1968 | CORE PENETRATION (CM):

LOGGED BY: Dick Lohner | ITEM NO.: 1013 | DATE LOGGED IN (D,M,Y): 19 MAR 196

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT	SIZE	C_aCO_3	REF.
0-30 cm: Large chunks of core shrunken away from core; highly disturbed	0								
	10								
	20								
	30								
30-70cm: Possible mottling and highly disturbed.									
	40								
	50								
	60								
66cm: Crack									
66-70cm: Possible mottling									
	70								
	80								
90-100cm: Possible mottling	90								
96-98cm: Crack									
	100								

CORE RADIOGRAPHIC DESCRIPTION SHEET

NAVOCEANO EXP-3167 108 (REV. 9-73)

MCG09005067

SAMPLE NO. 1013-B | LOCATION: | SAMPLER TYPE: Ewing Piston

LATITUDE 39° 21.5' N | WATER DEPTH (M): 5450

LONGITUDE 148° 59' E | CORE LENGTH (CM): 474

DATE CORED (D,M,Y): 2 DEC 1968 | CORE PENETRATION (CM):

LOGGED BY: Dick Lohner | ITEM NO: 1013 | DATE LOGGED IN (D,M,Y): 19 MAR 1969

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
100-140cm: Core Shrunken from liner; Possible mottling	100								
	110								
	120								
	130								
140cm: End of Section	140								
	150	VOID							
	160								
170-200cm: Basically homogeneous	170								
	180								
	190								
	200								

CORE RADIOGRAPHIC DESCRIPTION SHEET

NAVOCEANO EXP-3167 108 (REV. 9-73)

MGG0000506 7

SAMPLE NO. 1013-B | LOCATION: | SAMPLER TYPE: Ewing Piston

LATITUDE 39° 21.5' N | WATER DEPTH (M): 5450

LONGITUDE 148° 59' E | CORE LENGTH (CM): 474

DATE CORED (D,M,Y): 2 DEC 1968 | CORE PENETRATION (CM):

LOGGED BY: Dick Lohner | ITEM NO: 1013 | DATE LOGGED IN (D,M,Y): 19 MAR 196

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL	SHEAR STREN	MOIST CONT.	SIZE	C_aCO_3	REF.
200-286 cm: Basically homogeneous except for Cracks noted	200								
209 cm: Crack	210								
218 cm: Crack	220								
230 cm: Crack	230								
	240								
242 cm: Crack									
	250								
	260								
270 cm: Small Cracks	270								
	280								
286 cm: Small Crack; End of Section									
	290	VOID							
	300								

CORE RADIOGRAPHIC DESCRIPTION SHEET
NAVOCEANO EXP-3167 108 (REV. 9-73)

MGG 09005067

5

SAMPLE NO. 1013-B LOCATION: SAMPLER TYPE: Ewing Piston

LATITUDE 39° 21.5' N WATER DEPTH (M): 5450

LONGITUDE 148° 59' E CORE LENGTH (CM): 474

DATE CORED (D,M,Y): 2 DEC 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 1969

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	$CaCO_3$	REF.
Pacific Support Group did not Supply radiographic description (or otherwise explain) for 300 to 343.9 cm.	300								
	310								
	320								
	330								
	340								
344-360 cm: Grainy, Pebble-like, appearance; Core shrunken away from core liner.									
	350								
350-400 cm: Basically homogeneous									
	360								
	370								
	380								
386 cm: Small inclusions									
	390								
	400								

CORE RADIOGRAPHIC DESCRIPTION SHEET

NAVOCEANO EXP-3167 108 (REV. 9-73)

MCG09005067

6

SAMPLE NO. 1013-B | LOCATION: | SAMPLER TYPE: Ewing Piston

LATITUDE 39° 21.5' N | WATER DEPTH (M): 5450

LONGITUDE 148° 59' E | CORE LENGTH (CM): 474

DATE CORED (D,M,Y): 2 DEC 1968 | CORE PENETRATION (CM):

LOGGED BY: Dick Lohner | ITEM NO: 1013 | DATE LOGGED IN (D,M,Y): 19 MAR 1969

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
400-470cm: Basically homogeneous	400								
410-420cm: Disturbed; large Cracks	410								
	420								
	430								
440-443cm: Large inclusions	440								
450-455cm: Crack	450								
460 cm: Three small inclusions	460								
End of Core	470								
	480								

CORE RADIOGRAPHIC DESCRIPTION SHEET
NAVOCEANO EXP-3167 108 (REV. 9-73)

MGG 09005067

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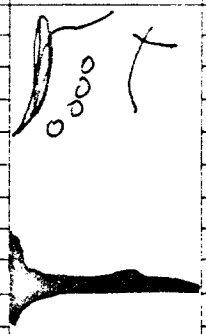
SAMPLE NO. 1013-C LOCATION: SAMPLER TYPE: Ewing Piston

LATITUDE 35° 35.38' N WATER DEPTH (M): 5850

LONGITUDE 144° 43.4' E CORE LENGTH (CM): 435

DATE CORED (D,M,Y): 22 NOV 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 1969

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
0-20 cm: Disturbed	0								
	10								
17cm: Large Cracks	20								
30-39cm: Possible mottling	30								
39 cm: Large Crack	40								
51 cm: Large Crack	50								
57-60cm: Crack	60								
60-70cm: Mottling									
70-100cm: Some mottling, but basically homogeneous	70								
	80								
82cm: Possible inclusion									
	90								
	100								

CORE RADIOGRAPHIC DESCRIPTION SHEET

NAVOCEANO EXP-3167 108 (REV. 9-73)

MGG 0 9 0 0 5 0 6 7

5

SAMPLE NO. 1013-C LOCATION: SAMPLER TYPE: Ewing Piston

LATITUDE 35° 35.38' N WATER DEPTH (M): 5850

LONGITUDE 144° 43.4' E CORE LENGTH (CM): 435

DATE CORED (D,M,Y): 22 NOV 1968 CORE PENETRATION (CM):

LOGGED BY: Drak Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 196

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
	100								
100-118 Cm: Core Shrunken away from Core liner. Basically homogeneous, with Some mottling									
	110								
End of Section									
	120								
		VOID							
	130								
140-150cm: Slight mottling	140								
150cm: Crack	150								
150-168 cm: Slight mottling									
160cm: Void	160								
168cm: Crack									
170-200 cm: Bedding and banding evident	170								
180cm: Possible inclusions	180								
	190								
189cm: Large Crack									
	200								

CORE RADIOGRAPHIC DESCRIPTION SHEET

NAVOCEANO EXP-3167 108 (REV. 9-73)

MGG09005067

SAMPLE NO: 1013-C LOCATION: SAMPLER TYPE: Ewing Piston

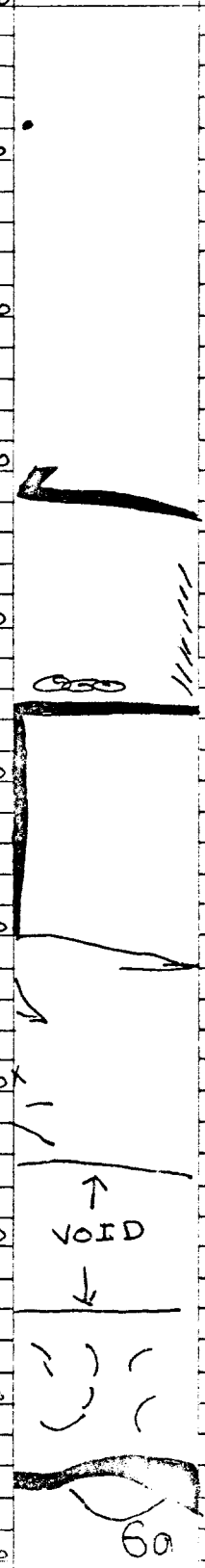
LATITUDE 35° 35.38' N WATER DEPTH (M): 5850

LONGITUDE 144° 43.4' E CORE LENGTH (CM): 435

DATE CORED (D,M,Y): 22 NOV 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 196

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
200-230 cm: Basically homogeneous	200								
208 cm: Possible inclusion	210								
	220								
230-260 cm: Mottling, but basically homogeneous	230								
232 cm: Crack									
	240								
246 cm: Large Crack									
250-275 cm: Highly disturbed; many Cracks	250								
	260								
	270								
End of Section.									
	280	VOID							
284 cm: Start New Section									
	290								
295 cm: Large Crack									
296-300 cm: Mottling	300								



CORE RADIOGRAPHIC DESCRIPTION SHEET

NAVOCEANO EXP-3167 108 (REV. 9-73)

MCG09005067

10

SAMPLE NO. 1013-C LOCATION: SAMPLER TYPE: Ewing Piston

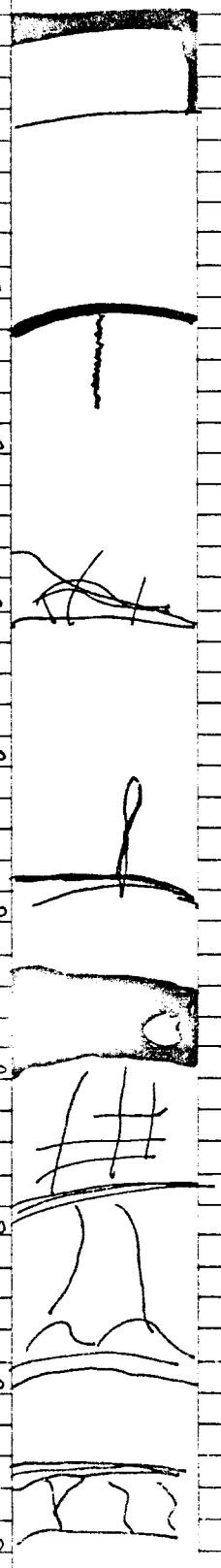
LATITUDE 35° 35.38' N WATER DEPTH (M): 5850

LONGITUDE 144° 43.4' E CORE LENGTH (CM): 435

DATE CORED (D,M,Y): 22 NOV 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 1969

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM) 300	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	$CaCO_3$	REF.
302 cm: Large Crack									
302-312 cm: Slumping	310								
312 cm: Crack									
320-330 cm: Cracks	320								
	330								
340 cm: Many fine Cracks	340								
340-400 cm: Highly disturbed; Many Cracks, and desiccated Pieces of Core.	350								
	360								
	370								
	380								
	390								
	400								

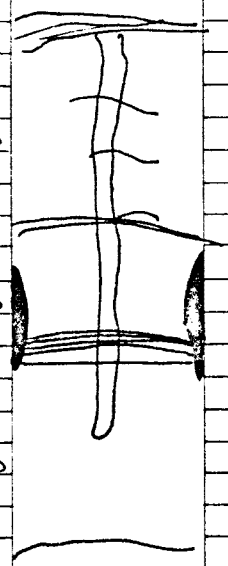


CORE RADIOGRAPHIC DESCRIPTION SHEET
NAVOCEANO EXP-3167 108 (REV. 9-73)

MGG 09005067

11

SAMPLE NO. 1013-C
LOCATION:
SAMPLER TYPE: Ewing Piston
LATITUDE 35° 35.38' N
WATER DEPTH (M): 5850
LONGITUDE 144° 43.4' E
CORE LENGTH (CM): 435
DATE CORED (D,M,Y): 22 NOV 1968
CORE PENETRATION (CM):
LOGGED BY: Dick Lohner
ITEM NO: 1013
DATE LOGGED IN (D,M,Y): 19 MAR 1969

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
400-435cm: Many large and Small Cracks; highly disturbed	400								
	410								
	420								
Entire Core is highy disturbed.	430								
End of Core	440								

CORE RADIOGRAPHIC DESCRIPTION SHEET

NAVOCEANO EXP-3167 108 (REV. 9-73)

MGG09005067

12

SAMPLE NO. 1013-3-11 LOCATION: SAMPLER TYPE: Ewing Piston

LATITUDE 31° 15' N WATER DEPTH (M): 5620

LONGITUDE 143° 51' E CORE LENGTH (CM): 365

DATE CORED (D,M,Y): 6 NOV 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 1969

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
2-6 cm: Large Cracks									
10-18 cm: Possible mottling and many fine Cracks	10								
18-20cm: Large Crack	20								
20-60cm: Disturbed; many fine Cracks									
20-100cm: Many Small Cracks	30								
	40								
	50								
60-70cm: Slight indication of bedding	60								
	70								
80cm: Prominent change in Sediment Color; light above 80cm and sharp change to darker below 80cm.	80								
	90								
	100								

CORE RADIOGRAPHIC DESCRIPTION SHEET

NAVOCEANO EXP-3167 108 (REV. 9-73)

WGO 0000507

SAMPLE NO. 1013-3-11 LOCATION: SAMPLER TYPE: Ewing Piston

LATITUDE 31° 15' N WATER DEPTH (M): 5620

LONGITUDE 143° 51' E CORE LENGTH (CM): 365

DATE CORED (D,M,Y): 6 NOV 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 1969

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
	100								
105 cm: Small Cracks									
100-120 cm: Many Cracks, but basically homogeneous	110								
100-170 cm: Basically homogeneous; mottling as indicated.	120								
	130								
	140								
	150								
	160								
	170								
	180	VOID							
	190								
192-200 cm: Mottly Appearance									
	200								

CORE RADIOGRAPHIC DESCRIPTION SHEET
NAVOCEANO EXP-3167 108 (REV. 9-73)

MGG 09005067

14

SAMPLE NO: 1013-3-11 LOCATION: SAMPLER TYPE: Ewing Piston

LATITUDE 31° 15' N WATER DEPTH (M): 5620

LONGITUDE 143° 51' E CORE LENGTH (CM): 365

DATE CORED (D,M,Y): 6 NOV 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 196

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
	200								
200 cm: Large Crack									
200 - 220 cm: Mottly appearance									
	210								
218cm: Large Crack									
220 - 250cm: Mottly appearance; Small light and dark spots	220								
	230								
240cm: Large Crack	240								
250 - 280cm: Grainy mottling appearance	250								
	260								
	270								
280cm: Cracks	280								
288cm: Cracks									
	290								
295cm: Cracks									
	300								

CORE RADIOGRAPHIC DESCRIPTION SHEET

NAVOCEANO EXP-3167 108 (REV. 9-73)

MGG00005067

SAMPLE NO. 1013-3-11 LOCATION: SAMPLER TYPE: Ewing Piston

LATITUDE 31° 15' N WATER DEPTH (M): 5620

LONGITUDE 143° 51' E CORE LENGTH (CM): 365

DATE CORED (D,M,Y): 6 Nov 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohmar ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 196

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	$CaCO_3$	REF.	
	300									
306-312 cm: Side of Core broken up										
306-314cm: Mottling										
	310									
312 cm: Cracks										
320cm: Large Crack	320									
324cm: Crack										
320-330cm: Mottling										
330cm: Cracks	330									
	340									
346cm: Large Crack										
	350									
	360									
End of Core										
	370									

CORE RADIOGRAPHIC DESCRIPTION SHEET

NAVOCEANO EXP-3167 108 (REV. 9-73)

MGG00005067

16

SAMPLE NO. 1013-3-14 LOCATION: SAMPLER TYPE: Ewing Piston

LATITUDE 31° 15' N WATER DEPTH (M): 2907

LONGITUDE 140° 59' E CORE LENGTH (CM): 237

DATE CORED (D,M,Y): 8 NOV 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 196

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
0-30 cm: Basically homogeneous	0								
	10								
15cm: Slight darkening below									
15cm: Some light Streaks evident.	20								
30-60cm: Basically homogeneous									
	30								
	40								
44cm: Crack									
44-63cm: Fine Cracks	50								
Fine Cracks at 57, 70, 74 & 90cm									
	60								
	70								
	80								
	90								
98cm: Concave Sediment band; darker below 98cm.	100								

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NAVOCEANO EXP-3167 108 (REV. 9-73)

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SAMPLE NO. 1013-3-14 LOCATION: SAMPLER TYPE: Ewing Piston

LATITUDE 31° 15' N WATER DEPTH (M): 2907

LONGITUDE 140° 59' E CORE LENGTH (CM): 237

DATE CORED (D,M,Y): 8 Nov 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 196

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
100-120cm: Basically homogeneous	100								
	110								
112-115 cm: Banding evident									
120-150cm: Disturbed	120								
130-144cm: Many Cracks; Some Mottling	130								
	140								
144-148cm: Mottling									
148 cm: Crack									
	150								
151cm: Large Crack									
	160								
	170								
174cm: Slight change in Shading; darker in upper Section									
179cm: Dark Spot	180								
	190								
197 cm: Crack									
194-196 cm: Dark Spots	200								

CORE RADIOGRAPHIC DESCRIPTION SHEET

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SAMPLE NO. 1013-3-14 LOCATION: SAMPLER TYPE: Ewing Piston

LATITUDE 31° 15' N WATER DEPTH (M): 2907

LONGITUDE 140° 59' E CORE LENGTH (CM): 237

DATE CORED (D,M,Y): 8 Nov 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 1969

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
	200								
	210								
	220								
	230								
End of Section (?)	240								
Pacific Support Group did not Supply radiographic description data for 241-300 cm.									

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NAVOCEANO EXP-3167 108 (REV. 9-73)

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SAMPLE NO. 1013-3-14 LOCATION: SAMPLER TYPE: Ewing Piston

LATITUDE 31° 15' N WATER DEPTH (M): 2907

LONGITUDE 140° 59' E CORE LENGTH (CM): 237

DATE CORED (D,M,Y): 8 Nov 1968 CORE PENETRATION (CM):

LOGGED BY: Dick Lohner ITEM NO: 1013 DATE LOGGED IN (D,M,Y): 19 MAR 196

REMARKS: bedding, shells, structures, mottling, disturbance etc.)	DEPTH (CM)	CORE SKETCH	SAMPEL INTERVAL	TEST: SOUND VEL.	SHEAR STREN.	MOIST CONT.	SIZE	C_aCO_3	REF.
	300								
310-322cm: Numerous Small inclusions	310								
	320								
326-333cm: Small inclusions									
	330								
338-358cm: Bands of light material; Possible bedding	340								
	350								
	360								
End of Core	370								

SEDIMENT CORE ANALYSIS 1013*BUOY STA 8 (CORR FOR TEMP AND PATH DIFF) N W PACIFIC

CORE DIAMETER = .057 METERS TEMP = 1.50 SALINITY = 34.69 DEPTH = 5451.0

CORRECTION FOR INSITU PRESSURE = 92.38 M/S SOUND VELOCITY OF THE BOTTOM WATER =1547.70 M/S

CORE DEPTH (CM.)	SD VEL SED (M/S)	DELTA T (SEC)	SD VEL WATER (M/S)	TEMP (C.)	TEMP CORR (M/S)	STP CORR (M/S)
100.	1548.	.3400-06	1496.	24.3	-77.096	-.393
110.	1535.	.6200-06	1494.	23.6	-75.395	-.390
110.	1542.	.7800-06	1496.	24.2	-76.855	-.393
120.	1537.	.5600-06	1493.	23.4	-74.903	-.390
120.	1534.	.5800-06	1495.	24.0	-76.372	-.392
130.	1527.	.4200-06	1493.	23.4	-74.903	-.390
130.	1522.	.3000-06	1495.	24.1	-76.614	-.392
220.	1560.	.1260-05	1487.	21.3	-69.552	-.382
230.	1558.	.1200-05	1487.	21.3	-69.552	-.382
230.	1551.	.1020-05	1491.	22.7	-73.156	-.387
240.	1566.	.1400-05	1488.	21.5	-70.076	-.383
240.	1527.	.4200-06	1491.	22.5	-72.651	-.386
250.	1542.	.8200-06	1488.	21.5	-70.076	-.383
250.	1534.	.6000-06	1491.	22.5	-72.651	-.386
260.	1523.	.3400-06	1488.	21.5	-70.076	-.383
260.	1542.	.8000-06	1490.	22.4	-72.397	-.386
270.	1530.	.5200-06	1488.	21.5	-70.076	-.383
270.	1540.	.7600-06	1490.	22.3	-72.142	-.386
275.	1527.	.4400-06	1488.	21.5	-70.076	-.383
275.	1531.	.5400-06	1488.	21.7	-70.597	-.383
370.	1564.	.1320-05	1496.	24.4	-77.336	-.393
370.	1561.	.1220-05	1500.	25.7	-80.395	-.398
380.	1564.	.1320-05	1496.	24.5	-77.576	-.394
380.	1568.	.1380-05	1499.	25.6	-80.164	-.398
390.	1572.	.1500-05	1495.	23.9	-76.129	-.391
390.	1588.	.1860-05	1499.	25.3	-79.466	-.397
400.	1580.	.1700-05	1495.	24.0	-76.372	-.392
400.	1592.	.2080-05	1498.	25.2	-79.232	-.396
410.	1611.	.2380-05	1498.	25.1	-78.998	-.396
420.	1664.	.3560-05	1495.	23.9	-76.129	-.391
420.	1630.	.2980-05	1498.	25.0	-78.762	-.396
430.	1580.	.1700-05	1492.	22.9	-73.659	-.388
430.	1556.	.1140-05	1494.	23.8	-75.885	-.391
440.	1556.	.1140-05	1492.	23.0	-73.909	-.388
440.	1561.	.1260-05	1494.	23.7	-75.641	-.391
450.	1547.	.9200-06	1491.	22.7	-73.156	-.387
450.	1542.	.8000-06	1492.	23.1	-74.159	-.389
460.	1540.	.7400-06	1491.	22.7	-73.156	-.387
460.	1539.	.7200-06	1492.	23.0	-73.909	-.388

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SEDIMENT CORE ANALYSIS 1013°BUOY STA C (CORR FOR TEMP AND PATH DIFF)N W PACIFIC

CORE DIAMETER = .037 METERS TEMP = 1.50 SALINITY = 34.69 DEPTH = 5526.0

CORRECTION FOR INSITU PRESSURE = 93.70 M/S SOUND VELOCITY OF THE BOTTOM WATER =1549.01 M/S

CORE DEPTH (CM.)	SD VEL SED (M/S)	DELTA T (SEC)	SD VEL WATER (M/S)	TEMP (C.)	TEMP CORR (M/S)	SEP CORR (M/S)
80.	1534.	.5600-06	1494.	23.5	-75.150	-.397
90.	1527.	.3800-06	1494.	23.5	-75.150	-.397
100.	1513.	.4000-07	1494.	23.5	-75.150	-.397
110.	1563.	.1280-05	1494.	23.5	-75.150	-.397
110.	1512.	.0000	1494.	23.5	-75.150	-.397
200.	1559.	.1220-05	1485.	20.6	-67.692	-.386
210.	1552.	.1060-05	1480.	19.1	-63.572	-.381
210.	1590.	.1960-05	1485.	20.6	-67.692	-.386
240.	1561.	.1240-05	1482.	19.7	-65.242	-.383
250.	1569.	.1480-05	1482.	19.6	-64.956	-.383
250.	1564.	.1340-05	1484.	20.2	-66.611	-.385
260.	1569.	.1480-05	1482.	19.7	-65.242	-.383
390.	1560.	-.2600-06	1482.	19.7	-65.242	-.383
390.	1525.	.3400-06	1494.	23.8	-75.885	-.398
410.	1569.	.1440-05	1489.	22.0	-71.373	-.392
410.	1522.	.2600-06	1493.	23.2	-74.408	-.396
410.	1555.	.1120-05	1484.	20.2	-66.611	-.385
410.	1566.	.1380-05	1484.	20.3	-66.882	-.385
420.	1551.	.1020-05	1485.	20.5	-67.423	-.386
420.	1536.	.6200-06	1494.	23.7	-75.641	-.398

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SEDIMENT CORE ANALYSIS 1013°3'11 (CORR FOR TEMP AND PATH DIFF N W PACIFIC

CORE DIAMETER = .057 METERS TEMP = 1.40 SALINITY = 34.69 DEPTH = 5623.0

CORRECTION FOR INSITU PRESSURE = 95.41 M/S SOUND VELOCITY OF THE BOTTOM WATER =1550.29 M/S

CORE DEPTH (CM.)	SD VEL SED (M/S)	DELTA T (SEC)	SD VEL WATER (M/S)	TEMP (C.)	TEMP CORR (M/S)	STP CORR (M/S)
90.	1569.	.1400-05	1491.	22.5	-73.095	-.382
100.	1558.	.1360-05	1491.	22.6	-73.348	-.382
100.	1555.	.1040-05	1494.	23.7	-76.085	-.386
110.	1558.	.1140-05	1489.	21.5	-70.520	-.378
110.	1554.	.1020-05	1492.	22.9	-74.103	-.383
120.	1545.	.8200-06	1488.	21.5	-70.520	-.378
120.	1544.	.7800-06	1491.	22.7	-73.600	-.383
130.	1555.	.1080-05	1486.	20.9	-68.938	-.376
130.	1540.	.7000-06	1490.	22.1	-72.074	-.381
140.	1536.	.6200-06	1486.	21.0	-69.203	-.376
140.	1531.	.4800-06	1489.	21.8	-71.300	-.379
150.	1535.	.5800-06	1487.	21.1	-69.468	-.377
150.	1533.	.5400-06	1487.	21.3	-69.996	-.378
160.	1535.	.5800-06	1486.	20.8	-68.671	-.376
160.	1536.	.6000-06	1487.	21.2	-69.732	-.377
240.	1545.	.8000-06	1492.	22.8	-73.852	-.383
250.	1545.	.8200-06	1491.	22.7	-73.600	-.383
260.	1540.	.6800-06	1491.	22.7	-73.600	-.383
270.	1574.	.1500-05	1491.	22.7	-73.600	-.383
280.	1531.	.4600-06	1490.	22.1	-72.074	-.381
280.	1554.	.1040-05	1491.	22.7	-73.600	-.383
290.	1518.	.1400-06	1488.	21.7	-71.041	-.379
290.	1559.	.1160-05	1491.	22.7	-73.600	-.383
300.	1530.	.4400-06	1489.	21.8	-71.300	-.379
300.	1545.	.8000-06	1491.	22.7	-73.600	-.383
310.	1534.	.5400-06	1489.	21.8	-71.300	-.379
310.	1545.	.8200-06	1491.	22.7	-73.600	-.383
320.	1556.	.1080-05	1489.	22.0	-71.817	-.380
320.	1534.	.5400-06	1491.	22.6	-73.348	-.382
330.	1563.	.1260-05	1489.	22.0	-71.817	-.380
330.	1553.	.1020-05	1491.	22.6	-73.348	-.382
340.	1567.	.1360-05	1489.	22.0	-71.817	-.380
340.	1553.	.1020-05	1491.	22.5	-73.095	-.382
350.	1571.	.1460-05	1489.	22.0	-71.817	-.380
350.	1563.	.1260-05	1491.	22.5	-73.095	-.382

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SEDIMENT CORE ANALYSIS 1013°3°14 (CORR FOR TEMP AND PATH DIFF° N W PACIFIC

CORE DIAMETER = .057 METERS TEMP = 1.50 SALINITY = 34.69 DEPTH = 2907.0

CORRECTION FOR INSITU PRESSURE = 48.31 M/S SOUND VELOCITY OF THE BOTTOM WATER =1503.82 M/S

CORE DEPTH (CM.)	SD VEL SED (M/S)	DELTA T (SEC)	SD VEL WATER (M/S)	TEMP (C.)	TEMP CORR (M/S)	STP CORR (M/S)
10.	1489.	.5800-06	1491.	22.5	-72.651	-.195
10.	1532.	.1620-05	1492.	23.1	-74.159	-.197
20.	1512.	.1140-05	1491.	22.5	-72.651	-.195
20.	1521.	.1340-05	1492.	23.0	-73.909	-.197
30.	1472.	.1400-06	1490.	22.4	-72.397	-.195
30.	1489.	.5600-06	1492.	22.8	-73.408	-.196
40.	1465.	-.2000-07	1490.	22.4	-72.397	-.195
40.	1477.	.2800-06	1492.	22.8	-73.408	-.196
50.	1462.	-.1000-06	1490.	22.2	-71.886	-.194
50.	1511.	.1120-05	1492.	22.8	-73.408	-.196
60.	1486.	.5000-06	1490.	22.2	-71.886	-.194
60.	1524.	.1420-05	1491.	22.7	-73.156	-.196
70.	1472.	.1600-06	1489.	21.9	-71.115	-.193
70.	1510.	.1100-05	1490.	22.4	-72.397	-.195
80.	1508.	.1060-05	1489.	22.0	-71.373	-.193
80.	1495.	.7200-06	1490.	22.4	-72.397	-.195
90.	1537.	.1740-05	1489.	21.9	-71.115	-.193
90.	1548.	.2000-05	1490.	22.1	-71.630	-.194
100.	1503.	.9400-06	1488.	21.7	-70.597	-.192
100.	1509.	.1060-05	1489.	22.0	-71.373	-.193
110.	1506.	.1000-05	1487.	21.4	-69.814	-.191
110.	1503.	.9400-06	1488.	21.6	-70.337	-.192
150.	1490.	.6000-06	1494.	23.7	-75.641	-.200
150.	1520.	.1320-05	1492.	23.1	-74.159	-.197
160.	1503.	.9000-06	1494.	23.6	-75.395	-.199
160.	1546.	.1940-05	1492.	23.1	-74.159	-.197
170.	1493.	.6600-06	1493.	23.3	-74.656	-.198
170.	1482.	.4000-06	1492.	23.1	-74.159	-.197
180.	1492.	.6400-06	1493.	23.3	-74.656	-.198
180.	1479.	.3200-06	1492.	23.1	-74.159	-.197
190.	1501.	.8600-06	1492.	23.0	-73.909	-.197
190.	1526.	.1480-05	1492.	23.0	-73.909	-.197
200.	1455.	-.3000-06	1492.	23.1	-74.159	-.197
200.	1518.	.1280-05	1492.	22.9	-73.659	-.197
210.	1510.	.1080-05	1491.	22.7	-73.156	-.196
210.	1477.	.2600-06	1492.	22.9	-73.659	-.197
220.	1484.	.4400-06	1491.	22.7	-73.156	-.196
220.	1473.	.1600-06	1492.	22.8	-73.408	-.196
230.	1475.	.2200-06	1491.	22.7	-73.156	-.196

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