Hole 383-U1539A Core 1H, Interval 0.0-4.56 m (CSF-A)

Very pale brown diatom-rich nannofossil ooze in upper 150 cm, transition to light greenish gray diatom ooze with nannos, radiolarians, sponge spicules and silicoflagellates. 1 cm thick diatom mats observed throughout with slight to moderate bioturbation.



Hole 383-U1539A Core 2H, Interval 4.6-14.09 m (CSF-A)

Upper meter with strong drilling disturbance (no color reflectance measurements) and light greenish gray to greenish gray diatom ooze with intervals of mottled light greenish to olive gray, diatom matts in the upper part of core.





Hole 383-U1539A Core 4H, Interval 23.6-33.3 m (CSF-A) Greenish gray, dark gray and light olive gray foraminifera- and nannofossil-bearing diatom ooze, carbonate-bearing nannofossil ooze and radiolaria-rich nannofossil ooze. Cm-scale wavy bedding observed in some sections. Moderate to high levels of bioturbation. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type Sedimentary structures GRA MS POINT RGB Shipboard samples Bioturbation Reflectance (g/cm³) (x10⁻⁵ SI) Blue Section intensity b* 1.12 1.17 1.22 Core Graphic 1.27 -1.2 108 128 148 2.8 4.8 0.8 123456 88 4 ဖ image lithology 1.1 0 24 8 SED - • 1 100 8 M.M.M.M.M. 25 DIA DIA DIA have been a the second for the second of the 200 MM MM DIA 2 26 MAD -300 27 3 ICP >• MANN 400 PMAG - • MAD - • 28 MAD word reversion was wellen and the war war ward M-h-Vlmh 500 4 SED - • CARE 29 IW HS 28 600 MAD 30 5 of monteners of hard and and the second 700 31 \$\$ M M M M \$\$ \$\$ ůů ¢ů 800 6 SED - • MAD - • ⊥ **\$ %** 32 \$ \$ A A 900 7 SED 33 СС DIAT RADS PAL NANNO FORAM

Hole 383-U1539A Core 5H, Interval 33.1-41.84 m (CSF-A) Greenish gray to gray wavy cm-scale bedded moderately bioturbated diatom ooze with intervals of light greenish gray carbonate-rich strongly bioturbated diatom ooze; frequent diatom matts in darker intervals. Disturbance intensity Depth CSF-A (m) Disturbance type Core length (cm) Sedimentary structures GRA RGB Shipboard samples Bioturbation MS POINT Reflectance (g/cm³) Blue Section intensity (x10⁻⁵ SI) b* 1.18 1.23 1.13 1.28 1 2 , 3 3 75 100 125 125 175 175 Core Graphic 123456 က္ <u>.</u> 0 lithology N image 1 0 1 M W W Wy Man Dund man wan A Mark M March M Journal of Martin survey and a survey was a survey of the MAD -• SED -• **IMMMM** 1 34 NANNO- • 100 35 200 · 2 * * * * * PMAG - • MAD - • SED CARB > • 36 IW HS 28 300 XRD >• 3 37 400 MAD - • NANNO- • 38 MAD -500 · 4 when SED -= CARB -39 600 MAD - • ₹ 말 5 ? ? DIA 40 700 ÷ " Munumul - Mun man SED -41 BIA 6 800 -MAD -NANNG FORAM RADS PAL DIAT CC



Hole 383-U1539A Core 7H, Interval 52.1-61.34 m (CSF-A) Light gray to dark gray carbonate-bearing diatom ooze with diatom-rich nannofossil ooze. Dropstones < 2mm and a few diatom mats observed in diatom ooze. Disturbance intensity Depth CSF-A (m) Disturbance type Core length (cm) Sedimentary structures GRA RGB MS POINT Shipboard samples Bioturbation Reflectance (g/cm³) Blue (x10-5 SI) Section intensity b* 1.12 1.32 1.22 1.42 Core Graphic 95 120 145 170 2.8 0.8 123456 4 - 0 5 image lithology 1.1 Т 0 DIA may man when my when we we we want the second of the second SED CARB 1 53 · DIA DIA DIA DIA 100 DIA And a share a shere was a shere / M many M M M M Many M DIA 54 DIA 200 · SED -2 MAD - • PMAG - • BI≵ DIA 55 300 00 MAD -3 ICP >0 56 400 0 0 metry were for Manufall March March and Date and 57 MAD DIA 500 · ᠉᠁ᠬᢇ᠕ᡅᠰ DIA 4 DIA Man VMM VMM DIA 58 IW HS 28 600 DIA ᠕᠕᠕᠕᠕ SED 5 59 700 -MAD - • ** ** Bia - 6 wwwww 0 60 SED - • SED - • 800 ź MMM MMM 6 CARB ≥● ₩. *** DIA SED - e 61 900 СС PAL DIAT NANNO RADS FORAM





Hole 383-U1539A Core 10H, Interval 80.6-90.3 m (CSF-A) Mottled greenish gray to yellow gray cm-scale wavey bedded carbonate-bearing diatom ooze, light gray carbonate-rich diatom ooze and diatom-rich calcareous ooze. A few dropstones appear at core surface and in x-rays and mostly within diatom-dominated lithologies. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type Sedimentary structures GRA RGB MS POINT Shipboard samples Bioturbation Reflectance (g/cm³) Blue (x10-5 SI) Section intensity b* 1.18 1.28 1.38 Core Graphic 100 120 140 160 180 6.5 1.5 123456 Ģ 7 4 0 ŝ image lithology 1.1 0 Т DIA z have more for the formed the work of the second ward for the second for the second of 81 month within **Sum** 0 1 MAD 100 82 DIA MAD -200 SED PMAG > 2 DIA When when when 83 M 300 mm ž MAD 84 ICP XRD >● SED >● 3 Mr. M. M. M. 400 85 SED - • 500 ~ 4 86 ** MAD - • 600 IW HS 28 MAD - -ß 87 Ŀ SED PMAG > • 5 0 700 ð m manuna M 88 0 MAD 800 -6 CARB -89 M 900 ₹ SED 7 90 сс PAL DIAT NANN RADS FORAI

Hole 383-U1539A Core 11H, Interval 90.1-97.5 m (CSF-A) Mottled greenish gray carbonate-bearing diatom ooze and light greenish gray carbonate-rich diatom ooze. Few dropstones observed throughout the core in x-radiographs. Core disturbance is high in first two sections. Disturbance intensity Depth CSF-A (m) Disturbance type Core length (cm) Sedimentary structures GRA RGB Reflectance Shipboard samples Bioturbation MS POINT (x10⁻⁵ SI) (g/cm³) Blue b* Section intensity 1.32 1.42 1.52 -3 -0.5 2. 4.5 1.22 Core Graphic 92 112 132 152 123456 lithology 3 7 7 image 0 0 VImm Λ Т 1 91 100 92 \$ 2 Т 200 · Т ICP -• MAD -• SED -• 3 ~ 2 h 93 300 5 323 CARB - • ICP - • PMAG - • MAD - • 4 ş 94 400 5 mon 95 500 · XRD - • MAD - • SED - • 6 2 March Mart ş ₩ HS 28 96 600 m 7 mer co MAD -• CARB -SED -97 700 СС FORAM RADS NANNO PAL DIAT

Hole 383-U1539A Core 12H, Interval 99.6-107.6 m (CSF-A) Fall in coring disturbance in upper three section, soupy structure, strongly deformed with different lithologies and mixed colors in upper part; up-arching, light greenish gray to gray diatom ooze with wavy cm-scale bedding in lower part, some layers with dropstones. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type Sedimentary structures GRA MS POINT RGB Reflectance Shipboard samples Bioturbation (g/cm³) (x10-5 SI) Blue b* Section intensity 1.12 1.22 1.32 -3 -0.5 2 4.5 1.42 Core Graphic -0.4 5.6 116 126 136 146 3.6 1.6 123456 lithology image 0 100 Т 1 100 101 200 2 Т 102 300 103 3 Т 400 104 Manna CARB MMMMMMMM WM 500 · 4 0 105 0 IW HS 28 600 SED ICP XRD 70 106 5 MAD - • SED -• 700 -107 6 ~ CC RADS FORA DIAT PAL 800 -

Hole 383-U1539B Core 1H, Interval 0.0-9.21 m (CSF-A) Very pale brown diatom-rich nannofossil ooze underlain by mottled blue-gray nannofossil bearing diatom ooze. Frequent cm-thick diatom mats within diatom ooze. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type MS POINT RGB Sedimentary structures GRA Reflectance Blue Shipboard samples Bioturbation (g/cm³) (x10-5 SI) b* Section intensity 92 112 132 152 172 0.5 6.5 1.5 12 × 2 -3 Core Graphic 4 0 1 2 3 4 5 6 image lithology 0 0 Т Ø SED 1 DIA 100 1 Mry Mry Manufanyment harvething Anther Manus Manuar man and and a sugar Margan Margaran Margar 2 200 2 BIA DIA 3 -300 אייילאיטין צינייטן אילאילאיטיטין אייטאייטאיטאיטאיטאיטאיטאיטאיטאיטאיעראייריין אייעיאייע DIA DIA 3 400 4 DIA DIA DIA DIA 500 5 **** DIA 4 BIA SED - • DIA DIA 6 600 DIA 5 DIA le C 700 7 -DIA 6 DIA 800 -8 1 N N DIA 7 SED - • 900 9 CC FORAM NANNO RADS DIAT PAL



Hole 383-U1539B Core 3H, Interval 18.7-25.49 m (CSF-A) Light greenish gray nannofossil-bearing diatom ooze and white diatom-rich nannofossil ooze. Diatom ooze exhibits cm-scale wavy laminations in sections 2-4. Significant core disturbance (bowing) in sections 2-4. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type MS POINT RGB GRA Sedimentary structures Reflectance (x10-5 SI) Blue Shipboard samples Bioturbation (g/cm³) b* Section intensity -0.2 -1.2 132 152 172 -1.7 -0.7 0.5 Core φ Graphic 7 0 4 1 2 3 4 5 6 image lithology 0 ŧ 19 Δ man Man My March 1 8 100 20 200 2 21 300 22 3 400 23 500 4 24 600 25 5 л Δ DIAT FORAM NANNO RADS PAL LCC

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Hole 383-U1539C Core 1H, Interval 0.0-9.7 m (CSF-A) A greenish gray nannofossil-bearing diatom ooze with prominent cm-scale diatom mats is the primary lithology. Abundant cm-scale wavy bedding and a dropstone was observed in Section 5. The uppermost 34 cm consists of very pale brown diatom-rich nannofossil ooze. Disturbance intensity Core length (cm) Disturbance type GRA MS POINT RGB Sedimentary structures Reflectance (g/cm³) (x10-5 SI) Blue Shipboard samples Bioturbation b* Section intensity 1.12 1.17 22 1.27 -1.6 132 112 152 0.4 2.4 4.4 92 6 11 16 Core Graphic 4 123456 image lithology PAL DIAT FORAM 0 8 ş have ment and a second and the second of the second and the second and the second of the second of the second and the second of the second DIA 1-MMM dia BIA 1 100 DIA Just Ameridian partic relation for the short of the many many many many provide the many many here and DIA N WWWWWWWWWWWWWWWWW DIA SAW S DIA 200 DIA 2 DIA F 3F 3F ** DIA Land and a control of the provided of the prov DIA 300 DIA BIA 3 DIA 400 DIA BI≵ DIA BI₳ 500 ***** 4 Mumul mander Marin BIA B 600 \circ ***** 5 700 DIA DIA **** BIA Www.www 800 Ø 6

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Hole 383-U1539C Core 2H, Interval 9.5-18.6 m (CSF-A)

Very strongly disturbed soupy sediments in the upper 50 cm; light greenish gray to light gray diatom ooze in the upper part, with frequent diatom matts; light gray to white diatom-rich nannofossil ooze in the lower part, with diatom matts; wavy cm-scale bedding.



Hole 383-U1539C Core 3H, Interval 19.0-28.67 m (CSF-A)



Hole 383-U1539C Core 4H, Interval 28.5-37.88 m (CSF-A)

Mainly greenish gray to light gray carbonate-bearing or foram- and nannofossil-bearing diatom ooze; with occasional to frequent diatom matts, with some dropstones; mottled by dark greenish colors due to diagenesis; transition to light gray carbonate-rich diatom ooze in the lower 40 cm layer.



Hole 383-U1539C Core 5H, Interval 38.0-47.89 m (CSF-A)















Hole 383-U1539C Core 12H, Interval 104.5-114.3 m (CSF-A) Greenish gray carbonate-bearing diatom ooze and light gray carbonate-rich diatom ooze. Core section 1 has high drilling disturbance; core sections 2-7 exhibit up arching stratigraphy with significant flow lines along left side near liner. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type GRA RGB Reflectance Sedimentary structures MS POINT (g/cm³) Blue b* Shipboard samples Bioturbation (x10-5 SI) Section intensity -2.5 0 2.5 5 7.5 1:21 1.26 1.36 1.31 128 148 108 Core Graphic 0 ~ ~ ო 1 2 3 4 5 6 image lithology 0 105 1 Т 100 MAD -106 Т Ň 200 CARB - • PMAG - • 2 107 300 Marthaneway Manual Martana Monoral particulation was a march when when we was 108 SED 3 400 109 500 4 110 MAD 600 IW HS 28 111 ICF 5 700 -SED >0 112 MM MM 800 -XRD 6 mmmmm 113 MAD NANNO NANNO 900 MM 7 SED MAD $\begin{smallmatrix} -\bullet\\ -\bullet \end{smallmatrix}$ 114 DIAT PAL NANN FORA CC



Hole 383-U1539C Core 14H, Interval 123.5-132.54 m (CSF-A) Fall in, soupy, highly disturbed in upper 16 cm with many IRD; light yellowish brown to light gray diatom ooze with nannofossil in Section 1-3 and 4 (0-36 cm), intercalated by very frequent diatom matts; then transition to light greenish gray carbonate-bearing diatom ooze with occasional to frequent diatom matts in Section 4 (36-150 cm) and 5-6; white carbonate-rich diatom ooze (0-44 cm) and light yellowish diatom ooze with nannofossil (44-60 cm) in Section 7. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type GRA RGB Sedimentary structures Reflectance MS POINT (g/cm³) Blue Shipboard samples Bioturbation b* (x10-5 SI) Section intensity 92 112 132 152 .24 1.34 8 5.5 -2 Core Graphic Ņ 0 2 123456 image lithology T 0 VVVVV 124 CARB 1 100 M M SED 125 200 2 126 MAD - 4 300 127 3 ٢ 400 128 ₿IA 500 PMAG - • MAD - • monthe the march and the second and the 4 ICP >0 0 129 600 dia BIA MAD - • SED - • 130 5 DIA DIA 700 DIA 131 6 225 800 MAD IW HS 28 132 22 CARB 7 7 NANN RADS FORA DIAT PAL 900 - CC

Hole 383-U1539C Core 15H, Interval 133.0-142.89 m (CSF-A) Fall in, soupy, highly disturbed in upper 46 cm with some IRD at the base; mainly light greenish gray to gray diatom ooze with frequent diatom matts, mottled by dark greenish colors due to diagenesis, occasionally intercalated by nannofossil ooze in the lower sections; transition to white nannofossil ooze in lowermost 20 cm of the cc. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type GRA RGB Sedimentary structures MS POINT Reflectance (g/cm³) Blue Shipboard samples Bioturbation (x10-5 SI) b* Section intensity 1.16 .26 1.36 105 130 155 180 205 Core Graphic 4 Ņ $\overline{}$ 0 -2 ശ 123456 image lithology 133 0 Т 1 134 100 MANAL MANTANA, " " MAN MANAMAN MANAMAN MAN WAN MANA MANAMANANA MANAMANANA MANAMANANANA My mary mary participation of mary and the MAD - • CARB -135 200 7 M M M M M 2 136 300 WMM/W/W SED 3 MAD 137 400 and when the second and a second 138 500 4 MAD CARB > 0 PMAG - • 139 600 5 MAD -140 700 IW HS 28 MAD 800 141 SED 6 ICP >0 900 142 7 СС PAL FORAM RADS NANNO DIAT

Hole 383-U1539C Core 16H, Interval 142.5-150.65 m (CSF-A)

Fall in, soupy, highly disturbed in upper 37 cm with some IRD at the base; mainly greenish gray to light gray diatom ooze with frequent diatom matts, mottled by dark greenish to black colors due to diagenesis



Hole 383-U1539C Core 17H, Interval 152.0-161.01 m (CSF-A)

Light greenish gray to light gray diatom ooze with very frequent diatom matts, mottled by dark greenish to black colors due to diagenesis, transition to white diatom-rich nannofossil ooze in the lowermost 20 cm of this cc.



Hole 383-U1539C Core 18H, Interval 161.5-170.32 m (CSF-A)

Fall in, highly disturbed in upper 14 cm; light gray to light greenish gray diatom ooze with lamination or wavy bedding, transition to homogeneous light greenish gray carbonate-bearing nannofossil-rich diatom ooze in Section 7 and cc.





Hole 383-U1539C Core 20H, Interval 180.5-189.51 m (CSF-A) Light gray nannofossil-bearing diatom ooze with radiolarians is the dominant lithology. Frequent cm-scale wavy laminae observed in x-ray images. Minor lithology includes light greenish gray carbonate-rich diatom ooze with nannos, radiolarians and silicoflagellates. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type GRA RGB Sedimentary structures (g/cm³) MS POINT Reflectance Blue Shipboard samples Bioturbation (x10-5 SI) b* intensity Section 1.26 2 31 .36 140 160 120 180 Core Graphic 5 လက်လ Ņ 0 7 123456 image lithology 0 Ø 181 MAD - • CARB - • 1 100 BI≵ 182 MAD - • M 200 PMAG >• 2 MMMMM 183 MAD - • Mr. M. 300 184 Manand mand mander and and the second 3 SED 400 185 MAD 500 ICP >• 4 Mary Mary Mary Mary Mary 186 600 187 5 700 188 HS = 800 -CARB 6 SED M M 189 DIA CC DIAT FORAM PAL NANNO RADS 900

Hole 383-U1539C Core 21H, Interval 190.0-199.41 m (CSF-A)

Light greenish gray to light gray nannofossil-bearing diatom ooze with radiolarians is the domninant lithology. Diatom mats (cm-scale) appear frequently. A 60 cm bed of white carbonate-rich diatom ooze observed in section 5.



Hole 383-U1539C Core 22H, Interval 199.5-208.08 m (CSF-A) A light greenish gray nannofossil-bearing diatom ooze with cm-scale diatom mats is the primary lithology. A white diatom-bearing nannofossil ooze is present in Section 5 and 6. Major drilling disturbance (fall in) occurs in Section 1. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type GRA MS POINT RGB Sedimentary structures (g/cm³) Reflectance (x10-5 SI) Blue Shipboard samples Bioturbation b* Section intensity .36 1.16 .56 -0.4 115 140 165 190 215 -1.4 0.6 4.4 Core φ Graphic Ţ ດ 4 1 2 3 4 5 6 image lithology 0 Т DIA 200 1 100 201 200 IC 2 202 MAD 300 and the second have a second of the second and 203 3 PMAG 400 MAD 204 500 · 4 205 600 111 5 206 MAD >• 700 HS SED CARB 207 MUNUM Vmon 6 800 MAD - • CC 208 PAL FORAM RADS DIAT NANNO

Hole 383-U1539C Core 23H, Interval 209.0-219.02 m (CSF-A)

Light greenish gray carbonate-rich diatom ooze with radiolarians is the dominant lithology. Moderate- to well-preserved wavy bedding with diatom mats are abundant. The minor lithology is white diatom-rich calcareous ooze. Slight to moderate biotrurbation is found throughout the core and high drilling disturbance is observed in the uppermost 32 cm.





Hole 383-U1539C Core 25H, Interval 224.7-233.36 m (CSF-A) Light greenish gray carbonate-bearing diatom ooze with rads and silicoflagellates; abundant diatom mats. Secondary lithology includes light greenish gray diatom-rich calcareous ooze with nannofossils. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type GRA RGB Reflectance Sedimentary structures (g/cm³) MS POINT Blue b* Shipboard samples Bioturbation (x10-5 SI) intensity Section .26 1.36 -3.5 2 <u>.</u> 132 152 172 112 1.5 6.5 7 Core Graphic Ņ $\overline{}$ 0 4 1 2 3 4 5 6 image lithology Т 0 225 Ž MAD WWW MANN MANN MM CARB 1 100 226 DIA dia Đi**a** 200 2 227 PMAG - • SED - • MAD hand the provide and the property of the property of the second 300 228 3 MANN L- ALAN WIMMAN WANDANAMANA 400 229 BIA Bl≵ 500 MAD 4 230 XRD 600 HS 231 MAD -5 700 232 MAD 6 800 -_M-₩ 233 SED СС DIAT FORAM PAL NANNO RADS





Hole 383-U1539C Core 28F, Interval 244.6-249.11 m (CSF-A)

Soupy in upper 50 cm, light gray carbonate-bearing diatom ooze to light greenish gray nannofossil-rich diatom ooze, with frequent diatom matts, mottled by dark greenish colors due to diagenesis, impacted by a large dropstone pulled through



Hole 383-U1539C Core 29F, Interval 249.3-251.88 m (CSF-A) Fall in, soupy in upper 28 cm with many dropstones; mainly light greenish gray to gray diatom ooze with frequent diatom matts, intercalated with white nannofossil ooze in Section 2 (11-18 cm), mottled by dark green to black colors due to diagenesis Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type GRA MS POINT RGB Sedimentary structures Reflectance (g/cm³) (x10-5 SI) Blue Shipboard samples Bioturbation b* Section intensity 0.84 1.04 24 1.44 2.6 108 128 148 168 -0 4 0.6 4 1.5 1.6 7 Core Graphic 1 2 3 4 5 6 image lithology 0 Т DIA 3 CARB 250 1 www. DIA Ē DIA 100 DIA * MAD NANNO SED 251 Ś read and the second 2 DIA 200 · Ę ***** CC PAL DIAT NANNO RADS FORAM







Hole 383-U1539D Core 11, Interval 0.0-0.0 m (CSF-A)

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Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Sedimentary structures	Bioturbation intensity 1 2 3 4 5 6	Disturbance intensity	Disturbance type	GRA (g/cm	(³) (³)	- c	- 0.25 - 0.25	POIN 0 ⁻⁵ SI 2 ^{:0} -	T) 200 ←	0	RG Blu 270	E 0.75 B B	- c	Refl	ectar b*	
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Hole 383-U1539D Core 2H, Interval 47.5-54.26 m (CSF-A) Fall in, soupy, highly disturbed in Section 1-2 and 3 (0-123 cm) with mixed colors; subsequently greenish gray carbonate-bearing diatom ooze with occasional to frequent diatom matts, mottled by dark green to black colors due to diagenesis Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type Sedimentary structures RGB MS POINT GRA Shipboard samples Reflectance Bioturbation Blue (g/cm³) (x10-5 SI) Section intensity b* 0.5 0.5 100 110 120 Core Graphic 6 0 ~ 4 0 0 N 9 1 2 3 4 5 6 image lithology 0 48 1 Т 100 Δ Λ 49 200 · 2 Т 50 300 51 Δ Т Δ 3 Δ 400 52 V/V/ DIA MANNAW *** 500 · DIA 4 MAD - • DIA 53 DIA DIA 600 DIA 5 MAD 54 CC PAL

Hole 383-U1539D Core 3H, Interval 54.2-62.83 m (CSF-A)

Fall in, soupy, highly disturbed in Section 1-2 and 3 (0-50 cm) with mixed colors, subsequently light greenish gray diatom-rich nannofossil ooze, transition to light gray diatom ooze with frequent diatom matts. APC pins sheared early and caused a slow injection of corer into sediment. Ship heave causes up arching core disturbance.



Hole 383-U1539D Core 41, Interval 62.8-62.8 m (CSF-A)

DRIL	LED	INT	ERVAI	_																		
Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Sedimentary structures	Bioturbation intensity 1 2 3 4 5 6	Disturbance intensity Disturbance type	0	- 0.25 - 0.25 - 0.25	RA cm³) 52.0)) 	- 0 	S POI x10 ⁻⁵ \$	- 0.75 UL	· 0	RG Blu 202 202	- 0.75 B G	R - 0	eflect b* - 0.25	ance	-
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Hole 383-U1539D Core 5H, Interval 69.5-77.4 m (CSF-A) The primary lithologies are light greenish gray carbonate-rich and carbonate-bearing diatom ooze. Prominent beds of light greenish gray diatom-bearing calcareous ooze and white diatom-bearing nannofossil ooze are also present. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type Sedimentary structures MS POINT RGB GRA Reflectance Shipboard samples Bioturbation (x10-5 SI) Blue (g/cm³) b* Section intensity 0.5 1.5 -1.8 -0.8 0.2 1.2 110 160 210 260 Core Graphic ~ ထု ကု 0 2 1 2 3 4 5 6 image lithology 0 $\mathbf{\Lambda}$ 70 Т 1 100 -71 Δ Ŧ 200 -2 month 72 M 300 · **** Munum Lun mannon 73 3 400 74 500 · 4 75 600 5 76 MM LAW 700 · S 6 77 СС PAL FOR/



Hole 383-U1539D Core 71, Interval 88.5-88.5 m (CSF-A)

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Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Sedimentary structures	Bioturbation intensity 1 2 3 4 5 6	Disturbance intensity Disturbance type	0	GR (g/ci - 0:22 - 0:22	2 A m ³)	- c	SM (x1) 	POINT 0-5 SI) 2-0	- 0	E 0.25 B	GB lue 20 -	R - 0 - 1	to=11=2 *d 0.5	tance	-
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Hole 383-U1539D Core 8H, Interval 93.0-102.77 m (CSF-A) Light greenish gray carbonate-bearing diatom ooze with wavy bedding and dark gray and green mottling is the primary lithology. Coring disturbance is high in Sections 1-6 and contain mixed lithologies. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type Sedimentary structures MS POINT RGB Reflectance GRA Shipboard samples Bioturbation (x10-5 SI) Blue b* (g/cm³) Section intensity 0.5 1.5 -0.4 0.6 1.6 2.6 108 128 148 -0.5 2 4.5 7 9.5 Core Graphic -0 1 2 3 4 5 6 image lithology 1.1.1.1 93 0 $\mathbf{\Lambda}$ 1 Т 100 -94 Δ 200 95 2 Т 96 300 month why University May May May My murch and Т 3 400 97 M.M.M.M.M. Δ 98 500 4 Δ 600 · 99 5 $\overline{}$ 100 700 -101 800 · 6 102 -900 7 ŀŶŶŶŶŶŶ СС



Hole 383-U1539D Core 101, Interval 112.0-112.0 m (CSF-A)

DRIL	LED	INT	ERVAI	L																		
Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Sedimentary structures	Bioturbation intensity 1 2 3 4 5 6	Disturbance intensity	Disturbance type	0	GR/ (g/cn 370	A n ³) 220 -	, ,	F 0 F 0.25 x)	S POI :10⁵ \$ 'S	NT	- 0	E 0.25 DE 0.25	, ,	ectai b*	- 0.75 1 1 2	
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Hole 383-U1539D Core 12H, Interval 123.5-133.14 m (CSF-A) The primary lithology consists of light greenish gray diatom ooze with frequent cm-scale diatom mats. A greenish gray carbonate-bearing diatom ooze with few cm-scale diatom mats is exposed in Sections 5-7. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type Sedimentary structures RGB GRA MS POINT Reflectance Shipboard samples Bioturbation Blue (g/cm³) (x10⁻⁵ SI) b* Section intensity 0.5 112 132 152 Core Graphic 92 ကု c Ņ 0 2 2 1 2 3 4 5 6 image lithology 0 T 124 1 100 -125 200 2 126 300 -127 3 400 128 MMMM 500 4 129 600 130 BIA 5 MMAN 700 131 DIA DIA 6 800 DIA 132 DIA DIA 7 DIA W W 900 СС 133

Hole 383-U1539D Core 131, Interval 133.0-133.0 m (CSF-A)

DRIL	LED	INT	ERVA	_																		
Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Sedimentary structures	Bioturbation intensity 1 2 3 4 5 6	Disturbance intensity	Disturbance type	 GRA (g/cm	$\begin{bmatrix} 0.75 \\ 1 \end{bmatrix}$	- c	SM	POIN 0 ⁻⁵ SI	IT ()	0	RGE Blue 5'0	E 0.75 5 5	R	eflecta * 0.55 - 0.57	ance	-
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Hole 383-U1539D Core 15H, Interval 146.5-154.66 m (CSF-A) Fall in, soupy, highly disturbed in upper 60 cm with mixed lithologies; subsequently light greenish gray to light gray diatom ooze with occasional to frequent diatom matts and mottling, and with slight to moderate bioturbation. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type Sedimentary structures MS POINT RGB GRA Shipboard samples Reflectance Bioturbation (x10-5 SI) Blue (g/cm³) Section intensity b* 0.5 1.5 -1.8 -0.8 0.2 1.2 108 128 148 168 Core Graphic 0 ~ 2 1 2 3 4 5 6 image lithology 0 Т 147 1 100 -148 200 -2 * * * 149 DIA 300 · 150 3 400 www.www.w 151 500 · 4 152 600 1 Mary Mary and Mary 153 5 700 · 154 6 800 СС

Hole 383-U1539D Core 161, Interval 156.0-156.0 m (CSF-A)

DRIL	LED.	INT	ERVAI	-																				
Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Sedimentary structures	Bioturbation intensity	Disturbance intensity	Disturbance type	0	GR (g/cr 370 ↓ ↓	A n ³) <u>220</u>	-	⊢ 0 0.35)) W	S P(x10 ⁻⁶	DINT 5 SI)	-	- 0	B e 52.0	-	Ret	flecta b*	- 0.75 uce	-
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Hole 383-U1539D Core 17H, Interval 158.0-167.85 m (CSF-A) Fall in, soupy, highly disturbed in top 20 cm; subsequently light gray to light brownish gray diatom ooze at Section 1-5, partly with strong flow-in coring disturbance, intercalated by white diatom-rich nannofossil ooze in Section 3 (63-108 cm), and fall-in, soupy, strong disturbance in Section 6 and cc. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type Sedimentary structures MS POINT RGB GRA Reflectance Shipboard samples Bioturbation (x10-5 SI) Blue (g/cm³) b* Section intensity 0.5 1.5 -1.4 -0.4 0.6 108 148 168 188 Core Graphic Ģ 0 ~ 0 2 1 2 3 4 5 6 image lithology ъ I. 158 0 Т 1 159 100 -MM MM MMM MMMM MMMMM MV/WWW/WW 160 200 2 161 300 -3 DIA BIA 400 162 how haven Z 163 500 4 v ł 600 164 5 Т \sim 165 700 -166 800 6 Т 167 900 7 T Δ T СС PAI

Hole 383-U1539D Core 181, Interval 167.5-167.5 m (CSF-A)

DRIL	LED.	ΙΝΤ	ERVA	_																				
Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Graphic lithology	Sedimentary structures	Bioturbation intensity	Disturbance intensity	Disturbance type	- 0	GF (g/c -	₹A m³) 52.0 -	-	- 0 - 0.25 () - 0.25	S PC <10⁵ ; ;; , 1	- ^{0.75} SI)	- 1	- 0	B ie 52.0 -	-	Re	flect b*	anc	e -
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Hole 383-U1539D Core 20H, Interval 179.0-188.93 m (CSF-A) Fall in, soupy, mixed lithologies in top 44 cm with dropstones; mainly greenish gray to light gray diatom ooze with frequent diatom matts, wavey bedding upward arching and slightly tilted in the lower part. Medium-size carbonate sand (white to gray) with normal graded bedding and erosive lower boundary at 67-148 cm in Section 2. Disturbance intensity Depth CSF-A (m) Core length (cm) Disturbance type Sedimentary structures RGB GRA MS POINT Reflectance Shipboard samples Bioturbation Blue (g/cm³) (x10⁻⁵ SI) b* Section intensity 0.5 1.5 96 116 136 156 176 Core Graphic Ģ 0 ~ Ņ 0 2 7 4 б 123456 image lithology 179 0 Т A A 1 180 100 -181 200 2 MANN/W NANNO-Â 182 300 3 -N-lw /// 400 183 Warner Marine Marine Marine Same Marine M 184 500 4 **** 185 600 5 186 700 /// ***** 187 800 6 /// 188 900 7 /// ¥¥¥ *** СС PAL

