

Washed & picked cuttings

Structural Geology Cuttings Observation Sheet

Exp.: 348 Site: C0002 Hole: ✓ Date: 29.11 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
Y 162SMW	1605.5	> 4mm (235m)	85	18	striation	mud/sand	photo all → XRD
		scriation	100	1	vein/breccia		
Y 11		1-4mm	100	3	Striation	mud/sand	
AOB 175SMW	1665.5	> 4mm	74	12	Beddings	"	10 Photographs. 348-C0002N±175SMW-1 to -2 missing
				3	Striations		
				2	Striated fault planes + cobbles		
AOB 175 SMW		1-4mm	100	4	Beddings		
				13	Striation		
Y 140SMW	1505.5	> 4mm	33	1	striation		← photo
			11	3	vein		
✓		1-4mm	100 62	3	vein		

Structural Geology Cuttings Observation Sheet

Exp.: 348 Site: C0002 Hole: N Date: 23.M.2013 Observer: ACB+YY Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
ACB-1505MW	1545.5 m	74mm	32	2	Bedding striation	Mudstone	✓
1505MW		1-4mm	100	8	Bedding striation	"	✓
ACB				1	Vein		
ACB-1495MW	1405.5 m	74mm	11	3	Striations	"	✓
		1-4mm	100	1	Bedding striation		
Y 1425MW	1515.5 m		3				✓
Y 1305MW	1455.5		10				✓
Y 1525MW	1555.5	> 4mm	73	4	Striations		✓
Y		1-4mm	100	1	"		✓
Y 1565MW	1575.5	> 4	54	4	Striations		✓
Y		1-4mm	100	0			✓

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 29.11 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
ACB 154 SMW ✓	1565.5	>4mm	100	8 20 1	Bedding Striation Plumose fracture	Mudstone	} Photograph + CLS (bad one)
	1585.5	1-4mm	100	4 2	Bedding Striation	Mudstone	
Y 158 SMW ✓	1595.5	>4mm 1-4mm	27 100	3 0	striation	mudstone	
K 160 ✓	1595.5	>4 <4	130 100	1 15 2	vein/slaben side slabenside slabens		

Structural Geology Cuttings Observation Sheet

Exp.: 348 Site: 0002 Hole: ✓ Date: 30. 11. 2013 Observer: KB+MD Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
MD ✓ 000166.5mm	1625.5	1-4	✓50	1	stickentone	Mudstone	
		>4	55	2	stickentone	Mudstone	
MD ✓ 000169.5mm	1635.5	1-4	✓27	1	stickentone	mud	
		>4	✓27	4	stickentone		cross-cut relationship of stickentone.
K ✓ 171	1645.5	>4	✓60	16	slicken		<u>mult direction slides</u>
		1-4	120	-		mud	
K ✓ 222	1870.5	>4	200	21	slicken		
M ✓ 000177	1677.5	1-4	7	-	-		
		>4	✓59	2	stickentone	mud	
				1	Ash		Ash sand
K ✓ 224	1880.5 1880.5	>4	194	12	straton	mud	
✓ 000182	1685.5	>4	100	23	stickentone	mud	photo
				3	Ash		photo
				2	fossil, shell		photo

1-4 100 5 stickentone

Structural Geology Cuttings Observation Sheet

Exp.: 348 Site: C0002 Hole: N Date: 30.11.2013 Observer: KB+MD Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
✓ 226	1890.5	> 4	195	15	stictos	mud	
M0 184 ✓	1695.5	> 4	100	19 5 1	stictoline Ash sand carbonate vein mud		photo
		1-4	100	2 4	stictoline Ash		
✓ 228	1905.5	> 4	169	15	stictos	mud	
M6 ✓ 186	1705.5	> 4	60	9 5	stictoline Ash	mud	
		1-4	50	—	—		

Structural Geology Cuttings Observation Sheet

Exp.: 348 Site: 10012 Hole: N Date: 30.11.2013 Observer: KB-IMO Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
✓ 230	1915.5	>4	200	5	stickton	mdl	
✓ 232	1925.5	>4	250	3	stickton	mdl	
✓ 234 234	1935.5	>4	125	2	stickton	mdl	(some sand / ash aggregates common)
✓ 237	1945.5	>4	30	—	stickton	mdl	1 sand aggregate common
✓ 239	1955.5	>4	115	1	stickton	mdl	aggregate common
✓ 188	1715.5	>4	63 ✓	3	stickentire	mdl	photo
		1-4	13 ✓	—	—	mdl	
208	1725.5	>4	52	1	stickentire	mdl	
✓ 190		1-4	3	—	—	mdl	
241	1965.5	>4	—	—	—	mdl	(mostly not real aggregates)

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 30.11 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
✓ 1925mm	1735.5	>4mm	✓ 21	1	striation	mud	
7		1-4mm	55	5	ash		
				3	vein	⚡	
✓ 1975mm	1755.5	>4mm	✓ 69	7	Beddings	Redstone	
				9	striations		4/9 more than 1/2 ^{of the grains} striated
				2	faults + impregnation of veins		5 + 3 photographs
		1-4mm	~250	3	bedding		+ 2 photos of a grain
				3	striation		↓
				2	veins		1
							→ Sample JSCT
✓ 1955mm	1745.5	>4mm	23 ✓	✓ 3	striation	mud/sand	
		1-4mm	27 ✓	✓ 0			

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 30.11 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
199SMW	1765.5	>4mm	31	6	Bedding	Quartzite	→ Photoprepts 3 (bumps?) → 1 photograph
				3	Striation		
				1	Pinch fracture		
		1-4mm	~150	1	Sedimentary structure		
				1	Bedding		
				4	Striation		
201SMW	1775.5	>4mm	30	2	Striation	mud/sand	
		1-4mm	11	1	Vein		
207SMW	1800.5	>4mm	22	3	Striation	mud/sand	
				1	Vein		
		1-4mm	30	1	Vein		
205SMW	1795.5	>4mm	16	0		mud.	
		1-4mm	17	1	Vein		

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 30.11 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
2035MS	1785.5	>4 mm	34	3	Striations	Mudstone	<p>1 grain + 2 oblique families ($\approx 30^\circ$) 2 photographs</p> <p>1 "remov" type fossil (1 photograph)</p>
		1-4 mm	~120	4	Bedding		
				1	Bedding		
				1	striation		
2095MW	1810.5	>4 mm	11	0		mud/sand	
		1-4 mm	19	0		mud/sand	
2115MW	1820.5	>4 mm	47	4	bedding	Mudstone	<p>→ 1 photo of staircase celestite fiber No scale → deleted and bad photo</p>
		1-4 mm	~125	3	striation		
2135MW	1830.5	>4 mm	22	2	Striation	Sand/mud	
		1-4 mm	36	2	vein	mud/sand	
2185MW	1850.5	>4 mm	26	2	Striation	mud	
		1-4 mm	5	1	bed		

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 30,11 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
ACB 216 SMW ✓	1840.5	>4mm	21	6	stratification		
		1-4mm	30	8	Bedding		
				2	Bedding		
Y 243 SMW	1975.5	>4mm	18	2	stratification	med	
		1-4mm	15	0			
244 SMW	1985.5	>4mm	13	2	stratification	med	← photo
		1-4mm	18	0			
220 SMW	1880.5 1860.5	>4mm	55	5	stratification		
				7	Bedding		
				1	Inipient cataclastic	bands (2 sets) 11 photographs	

Structural Geology Cuttings Observation Sheet

Exp.: 398 Site: C0002 Hole: N Date: 1/12/2013 Observer: M+KB Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
220 SMW	1860.5	1-4mm	120	2 1	Striation Bedding	Quartzstone	↑ 30.11.2013
250 SMW	1995.5	>4mm 1-4	19 17	3 -	stratolite -	mud	↓ 1.12.2013
348 ← ?? 252? 2005.5	??	74	125	5	stratolite		
261	2025.5	>4mm 1-4	100 100	6 1 1 1 1	stratolite carbonate vein Ash micro fossil carbonate vein	mud	photo + Roundness photo Angular

Structural Geology Cuttings Observation Sheet

Exp.: 348 Site: 00002 Hole: v Date: 1/12/2015 Observer: KB+MD Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
M 264	2035.5	74	100	4	stickcentre Ash	md	Roundness: angular
		1-4	45	—	—		
K 259	2015.5	74	100	31	stick shaken md	md	web structure? looks like cemented fine sandstone very hard and fractured lots of photos
M 266	2045.5	74 _{mm}	100	12	stickcentre	md	photo size of cuttings beyond 1cm
		1-4 _{mm}	20	1	stick		
K 270	2065.5	74	100	22	shaken vein	md	web structure 1 photo Biscuits cemented fine sands
				1			
A 268	2055.5	74	100	18	stick carbonate vein	md	bleccia of carbonate vein, stick on vein
				2			

64 57 2 stick

Structural Geology Cuttings Observation Sheet

Exp.: 348 Site: 80002 Hole: N Date: 1/12/2008 Observer: KB+ MD Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
K 272	2075.5	>4m	100	7	shaken crypts	mud	Converted sands less deformed than above
M 274	2085.5	>4m 1-4	100 19	20 1	stickentime stickentime	mud	
K 278	2105.5	>4	100	23 1	shaken carbonate vein		less real sample more mud Less real sample
K 281	2115.5	>4	100	6			
M 276	2095.5	>4 1-4	⁸ 100 23	20 9 1	stickentime carbonate vein	mud	photo (shaken step) photo
K 283	2125.5	>4 1-4	84 100	11 3	shaken vein	sides	photo
M 285	2135.5	>4 1-4	4060 5	4 -	stickentime	mud	

Structural Geology Cuttings Observation Sheet

Exp.: 348 Site: C0002 Hole: N Date: 1/12/2013 Observer: KB+MD Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
M 289	2155.5	>4 1-4	16 10	- -	- -		
M 291	2165.5	>4 1-4	47 1	6 -	stickline carbonate vein		photo
K 287	2145.5	>4 1-4	28 2	8 20	stickline stickline		
Y 298	2185.5	>4 1-4	58 31	2 4	stratification vein ash vein	mud/sand mud/sand	slightly rounded photo
Y 300	2195.5	4> 1-4	59 25	3 2 2	stratification vein vein		slightly rounded

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 1.12 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
ACB 296 SMW	2175.5	>4 mm	36	14 4 1 1	Bedding Slatiation S ₀ + slatiation Brittle-ductile stretching		1 grain + two slatiation families (3 photos) lincation (+ cracks ⊥) in a more sandy, white Fm (12 photos) + Foto 1 / fossil
RB 296 SMW		1-4 mm	~200	5	Brittle-ductile	lincation (idem)	>4 mm) in similar lithology + Foto 1 / fossil
302 SMW	2205.5	4 > 1-4	36 33	3 1 1	Slatiation Vein Slatiation	med s	
ACB 306 MSW	2215.5	>4 mm	26	9 1 1 2	Bedding Slatiation Brittle-ductile lincation Impure calcareous bands	Andstone	in more sandy material (id. 296) → 2 photos → 4 photos
304 MSW		1-4 mm	120	1	Vein		2 photos
Y 306 MSW	2225.5	>4 1-4	11 24	0 2			

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 1/12 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
Y 310SMW	2245.5	4 > 1-4	15 22	1 1 1	vein vein Striation	mud/sand mud/sand	
NRB 308SMW	2235.5	>4mm 1-6mm	34 100	4 3 1 1	bedding Striation Brittle ductile " "	mud ± sand " ± sand mostly mud.	in more sandy material (id. 286, 304). 2 Photos
Y 312SMW	2255.5	4 > 1-4	13 29	0 0		mud/sand sand	← CLAY (photo)
NRB 314SMW	2265.5	>4mm 1-6mm	54 ~120	4 4 2 1 0	Bedding Striation Brittle-ductile lineation Carbonate vein		→ Photo of a nice bedding (2) → 1 photo nice striation (2) in more sandy material (4 photos) → Photo (2)

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 1.12 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
ACB 318 MSW	2285.5	>4 mm	21	2	Bedding Striation	Mudstone	
		1-4 mm	100	3			
Y 316 MSW	2275.5	>4	15	3	Striation	mud mud	← photo (with pyrite)
		1-4	16	0			
T 3 23 MSW	2305.5	>4	4	0		mud sand, mud	
		1-4	9	0			
ACB 321 SMW	2295.5	>4 mm	17	3	Bedding vein (at- le?)	Mudstone Mudstone	→ + brittle-ductile stretching (2 Photos)
		1-4 mm	125	1			
ACB 327 SMW	2325.5	>4 mm	12	1	Bedding Plumose fracture Bedding	Mudstone	
		1-4 mm	80	1			

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 1/12 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
Y 325SMW	235.5	4 > 1-4	10 4	1 1	stratified vein	mixed "	
↓ 2.12.2013							
ACB 138SMW	1495.5	>4mm 1-4mm	14 800	2 1	Bedding vein	Metastone	4 photos of organic matter partially transformed in pyrite. → Bed photographs → deleted.
Y 132SMW	1465.5	4 > 1-4	20 34	3 1 5	stratified vein vein	mixed "	
ACB 136SMW	1485.5	>4mm 1-4mm	7 ~1000(?)	1 1 4 2	Bedding Qtz vein Stratified Bedding	Metastone	Vein + fibers on one plane (2 photographs) 1 pyrite tube with ⊥ small fracture (2 photographs)

Structural Geology Cuttings Observation Sheet

Exp.: 368 Site: Hole: Date: 2.12 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
134 SMW	145 1475.5	>4 mm	28 (very variable lithology)	1 1 2	Striation Bedding Brittle-ductile imbrication	<ul style="list-style-type: none"> Mudstone Sandy Mudstone 3 lignite grains Mudstone-sandy mudstone boundary Fossiliferous limestone Very porous aggregate of calc(?) grains Calcite vein Sandy mudstone impregnated of calc or quartz 	<p>17 grains of mudstones ✓</p> <p>1 grain id. 236 (2 photos) 1 grain + boundary + matrix of sandy mudstone (2 photos) → CLAST! ✓</p> <p>3 lignite grains (2 photos) ✓</p> <p>Surrounded by yellowish calcite-obolomite(?) similar to hydraulic fracturing (1 photo) ✓ - 1 grain</p> <p>Surrounded by a rudimentary matrix (fine-grained + rounded quartz, occasionally olivine and biotite) → CLAST of a coarse-grained turbidite - 2 grains (6 photos) ✓</p> <p>calc(?) grains (+ rounded clasts of Qtz, Biot, ...) - 2 grains (2 photos) ✓</p> <p>+ brecciated structure (hydraulic fracturing?) - 1 grain (2 photos) ✓</p> <p>- 1 grain (2 photos) ✓</p>

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 2.12 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
Y 125SMW	1445.5	4 > 1-4	8 81	2 19 35 37	vein vein sand mud	mud sand/mud	
Y 115SMW	1385.5	4 > 1-4	9 22	0 0			
136SMW	1475.5 715	1-4	400	3 3 1 1	bedding stratification Qt vein Qt vein + Brittle ductile	limestone	2 grains of sandstone fabric
125SMW 3/12/2013 mo	1435.5	74 1-4	32 0	4 —	stratification	sand/mud	photo photo: sawtooth shape
123 mo	1425.5	74 1-4	21 1	2 —	stratification	mud	

Structural Geology Cuttings Observation Sheet

Exp.: 398 Site: C0002 Hole: N Date: 3.12 Observer: MD HSB Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
m 117	13955	74 1-4	21 —	3 —	striation vein		striation on vein (Photo) (sticken fiber)
121		74 1-4	0 18	0 2	vein striata		
ACB 1M5MW		>4mm 1-4mm	4 2000	0 20	shallow	Mudstone "	
ACB 109SMW		>4mm 1-4mm	2 ~300	1 8	striate striate	"	Only 10cc of cuttings (initially)
107SMW		>4mm 1-4mm	7 ~750	0 7 6	— striation Bedding	"	Only 50cc of cuttings (")

Structural Geology Cuttings Observation Sheet

Exp.: 348 Site: 6002 Hole: N Date: 3.12.2013 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment	
ACB 105 SMW		>4 mm	13	5	Stratification	Mudstone		
				3	Bedding	"		
ACB 93 SMW		1-4 mm	1000	13	Stratification	"		
				5	Bedding	"		
ACB 93 SMW		>4 mm	4	3	Bedding	3 mudstone 1 mud/sandstone	4.12.2013 Δ Only 20cc of materials	
		1-4 mm	130	4	Stratification	Mudstone 2 grains of Mud/sandstone 1 fossil (2 photos)		
ACB 37 SMW		>4 mm	15	2	Stratification	in mudstone		
				2	Bedding	Mudstone		
				1	Stratification	Brass aggregate of Ca? + minor minerals (Qtz, ...)		
				1	Clast	Fossiliferous limestone with calcite crust		
		1-4 mm	350	10	Stratification	Mudstone		4 grains of mud/sandstone
				1	Bedding	"		"

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 4-5.12, Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
ACB 95SMW		>4mm	8	1	Bedding	Mudstone	1 clast of ^{brownish} fossiliferous limestone
		1-4mm	800	20	Striation	Mudstone	
ACB 93SMW		>4mm	16	1	Bedding	Mudstone	(2 photos) 1 grain of mud/sandstone
		1-4mm	~1000	10	Incipient catablastic band? Striation	Mudstone	
ACB 91SMW		>4mm	9	1	Bedding	Mudstone	5.12.2013
				1	Striation	"	
				1	Brittle-ductile shearing line	Mud/sandstone	
				1	Very incipient catablastic band	Mudstone	
		1-4mm	800	6	Striation	Mudstone	5/800 grains of mud/sandstone
				2	Striation or brittle-ductile lineation?	Mud/sandstone	

Structural Geology Cuttings Observation Sheet

Exp.: 368 Site: C0002 Hole: N Date: 5.12. 2013 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment	
ACB 89SMW		>4mm	20	5	Bedding	Mudstone		
				1	"	Brownish / pink - porous limestone		
				1	Striation	Mudstone		
				1	"	Brownish / pink, limest.		2 photos
				1	"	Mudstone		in various planes
				1	Cataclastic band + striation	"		Various sets of band (no clear relationships)
				1	Cataclastic band	"		Various sets of band 2 photos
				1	Brittle - ductile stretching lin.	Mud / sandstone		2 photos
ACB 87SMW		1-4mm	800	17	Striation	Mudstone	4 grains of mud / sandstone	
				1	Bedding	Mudstone	1 grain of Mud / sandstone	
ACB 87SMW		>4mm	13	1	Striation	"	1 in two planes	
				2	Bedding	"		

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: 5.12.2013 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
ACB 875 MW		1-4 mm	1000	18 1	Striation Stepped schistosity	Mudstone "	2 grain of Mud/sandstone
ACB 855 MW		>4 mm	26	3 5 1	Bedding Striation Brittle-ductile stretching L	" " Mud/sandstone	1/26 Brownish porphyrous limestone 2 photos
		1-4 mm	750	6	Striation	Mudstone	
ACB 252 MW (Revised)		>4 mm	13	2 3 2	Cataclastic bands Bedding Striation	Mudstone " "	6 photos (web structure) 6.12.2013 1 in various planes
		1-6 mm	75	1 1	Bedding Cataclastic Band	" "	Web structure

Structural Geology Cuttings Observation Sheet

Exp.: 368 Site: C0002 Hole: N Date: 6.12.2013 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
ACP 259 SMW (revised)		> 4 mm	100	27	Striation	Sandy mudstone	Many fm cutting (1500)
ACB 83 SMW		> 4 mm	78	15	Bedding	Mudstone	7 grains of brownish porolithiferous ^{mudstone} limestone
				34	Striation	"	1 grain + striation plane cutting So (1 photo)
				1	Irregular fracture	Brownish porolithiferous limestone	
				1	Extremes and vein + striation	Mudstone	
				1	catadastic band + striation	"	
ACB 81 SMW		1-4 mm	100	8	Striations	Mudstone	1 grain of brownish porolithiferous ^{mudstone} limestone
		> 4 mm	100	23	Bedding	Mudstone	+ 15 grain of brownish porolithiferous mudstone
				43	Striation	"	+ 1 grain of lignite (→ CEMENT? next with phenol/pterite)
				2	Cataclastic band	"	In one of the band, striations.

Structural Geology Cuttings Observation Sheet

Exp.: Site: Hole: Date: Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
ACB 815 MW		1-4 mm	100	30	Stratification	mudstone	
ACB 735 MW		>4 mm	15	5	Bedding	mudstone	1 rounded pebble of sandstone + pyrite crust (2 photos) 1 grain of brownish porphyriferous mudstone
				4	Stratification	"	
				1	Very thin calcareous band	"	
		1-4 mm	~200	15	stratification	"	
Y 1295 MW		4 >	17	6	stratification	4 coarse sand 2 mud	10 → mud, no structure 1 → sand
Y 965 MW		4 >	16	2	stratification	mudstone	
Y 895 MW		4 >	15	2	carbonate		Not vein, carbonate cemented mud
Y 825 MW		4 >	40	2	stratification	mud	4 sandstone 36 mudstone

Structural Geology Cuttings Observation Sheet

Exp.: 368 Site: C0002 Hole: N Date: 7.12.2013 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
ACB 71 SMW		1-4 mm	120	25	Striation	Mudstone	Only 10 cc available and no more > 4 mm ϕ
ACB 69 SMW		> 4 mm	5	4	Striation	Mudstone	1 grain of brownish fossiliferous mudstone
		1-4 mm	~250	18	Striation	Mudstone	
ACB 67 SMW		1-4 mm	~175	20	Striation	Mudstone	Only 20 cc available and no more > 4 mm ϕ
ACB 65 SMW		1-4 mm	~125	3	"	Mudstone	
ACB 63 SMW		> 4 mm	1 Δ	1	Striated	Mudstone	Only 20 cc available
		1-4 mm	~125	20	"	"	
ACB 59 SMW		> 4 mm	4	0	"	Mudstone	Only 20 cc available
		1-4 mm	80	10	Striation		
ACB 57 SMW		> 4 mm	2	1	Striation	Mudstone	Only 10 cc available
		1-6 mm	100	14	"	"	

Structural Geology Cuttings Observation Sheet

Exp.: 368 Site: C0002 Hole: N Date: 7.12.2013 Observer: Summary:

Cuttings No.	depth (mbsf)	size (mm)	observed grain#	grain# with deform. structure	structure ID	lithology of grain	Comment
AUB 52SMW		>4mm	3	0	-	Mudstone	Only 10cc available
		1-4mm	150	10	Shistation	Mudstone	
46SMW		>4mm	7	1	Shistation	Mudstone	Only 50cc available (+ 3 grains of CEMENT >4mm)
		1-4mm	120	14	u	u	
33SMW		>4mm	11	4	Shistation	u	160cc (+ 3 grains of CEMENT >4mm)
				1	u	Mud/sandstone	
		1-4mm	~175	10	u	Mudstone	