

# Structural Geology

Exp: 316

Site: C0007  
A

Core: 1H

Observer: Fabrice

Summary:

bedding between turbidite sequences.

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		striation on surface		coherent interval (for P-)		P-mag pole		notes
						az.	dip	az.	dip	rake	from	top	bottom	az/trend	dip	
1	bedding	109	112			90	16	0	20					243.8	66.7	
2	bedding	82	84			90	31	0	51					no data		
2	bedding	14	21			270	53	0	15							
1	bedding	38	38			270	3	180	25			0	56	56.0	49.2	
1	bedding	52	53			270	3	180	23			0	56	59.2	46.4	
1	bedding	84	89			270	37	180	40			68	94	62.9	39.9	
2	bedding	66	71			270	34	180	36			0	118	59.5	50.9	
2	bedding	98	101			270	32	0	0			0	118	94.8	80.9	
2	bedding	91	92			270	8	0	33			0	118			
4	bedding	13	14			270	13	0	15			0	141	66.6	72.7	
4	Fault (N)	31	33			90	67					0	141	66.8	62.1	
4	Fault (N)	59	62			90	75					0	141	46.6	63.2	

C0007 B 1H (P)

bedding showing sharp contact between fine mud bed and coarse-grained sand bed. which shows clear color changes.

# Structural Geology

Exp: 316

Site: C0007

Core: 1H (P)

Observer: AY KU

Summary:

Hole B

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		striation on surface		coherent interval (for P-)		P-mag pole		notes
						az.	dip	az.	dip	rake	from	top	bottom	az/trend	dip	
10	fault (normal)	88	93			90	32	0	7			78	109	110.0	-24.1	offset 4 cm
9	fault (normal)	82	93			90	74	7	0			0	140	126.9	-36.7	offset 8 mm
9	fault (normal)	3	10			90	65	4	0			0	140			offset 8 mm
		3	10			90	73	3	0			0	140	114.2	10.0	offset 6 mm

C0007

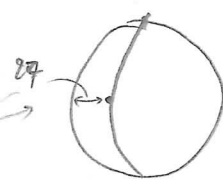
Structural Geology

B1H(A)

Exp: Site: Core: Observer:

Summary: showing normal faults and cross-cutting relationships in sand layers

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		striation on surface		coherent interval (for P-)		P-mag pole		notes
						az.	dip	az.	dip	rake	from	top	bottom	az/trend	dip	
5	bedding	13	17			270	22	180	37			0	55	75.8	28.6	
	bedding	91	96			270	25	180	15			87	141	91.2	60.1	
	bedding	112	117			270	27	0	0			87	141	104.4	21.5	
6	bedding	39	44			270	37	180	11			31.5	101	106.0	23.9	
	bedding	45	49			270	39	180	9			31.5	101	146.9	62.3	
	bedding	65	70			270	33	180	19					139.4	44.8	
	bedding	82	87			270	44	180	8							
8	bedding	10	13			270	30	180	10			0	23	No data		
9	bedding	10.5	14			270	31	180	9			0	141	130.7	25.1	
	bedding	65.5	69.5			270	37	180	18			0	141	130.2	-53.6	
	bedding	111	117			270	39	180	30			0	141	98.1	-15.1	
	Normal fault	42.5	50			90	56	0	5	/	/					
10	Normal fault	38	41			270	29	180	34					131.6	-11.9	
CC	bedding	23	30			270	55	0	48			9	45			
CC	bedding	28	33			270	50	0	16			9	45			
CC	bedding	34	37			270	20	180	23			9	45			
CC	bedding	44	47			270	0	180	30			9	45			



# Structural Geology

Exp: 3/16 Site: 00007 A Core: 11(A) Observer: Falck, L. Summary:

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		striation on surface		coherent interval (for P-)		P-mag pole		notes
						az.	dip	az.	dip	rake	from	top	bottom	az/trend	dip	
4	bedding	55	57			90	22	180	19			0	14	24.9	65.9	
4	bedding	93	103			270	48	180	19			0	14	76.5	29.1	
4	bedding	128	139			270	61	151	0			0	14	87.9	48.2	

# Structural Geology

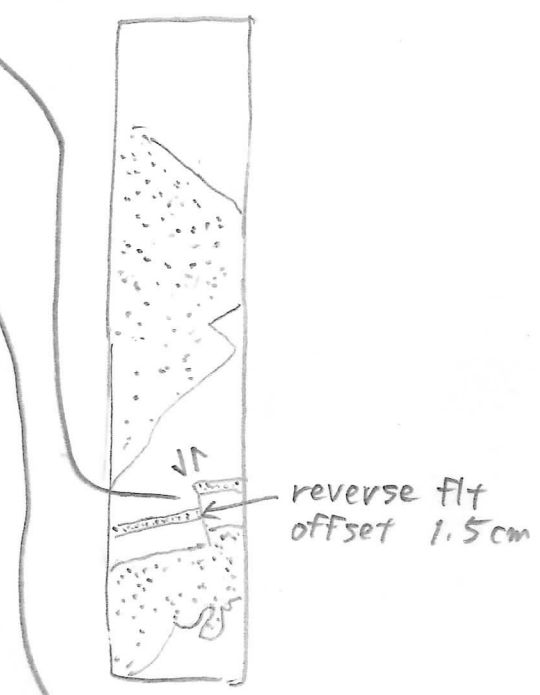
Exp: 316 Site: C0007 Core: 1H Observer: KU AT

Summary: Inclined beds, in places broken into fragments } faults showing a normal or reverse shear sense } prob. slumping-related deformation

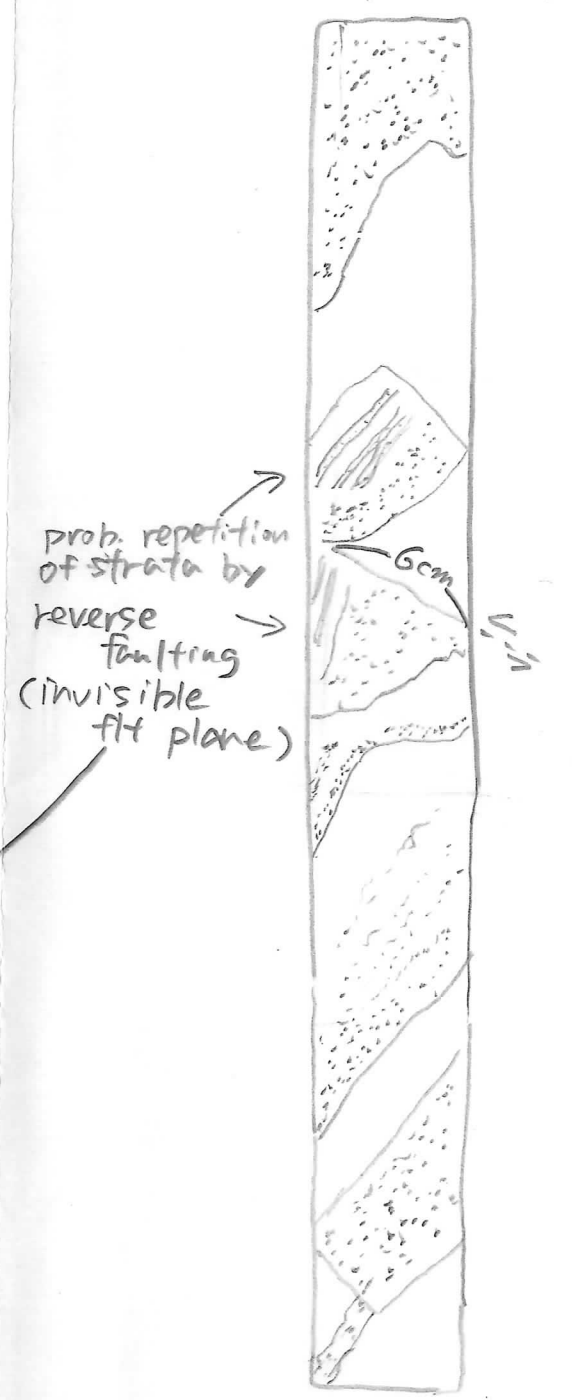
section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		striation on surface		coherent interval (for P-)		P-mag pole		notes
						az.	dip	az.	dip	rake	from	top	bottom	az/trend	dip	
1	fault (reverse)	27	34			90	68	71	0			0	45	95.9	-21.7	
	fault (reverse)	101	104			90	24	180	25			74	141	18.7	-13.6	
	bed	121	129			270	62	180	36			74	141	91.3	-5.8	
3	bed	39	45			270	47	180	51			0	67	99.0	0.9	
4	fault (normal)	38	43			90	37	180	19			0	141	18.7	17.5	
	bed	119	122			270	25	180	3			0	141	110.9	23.1	
6	bed	59	62			270	21	180	19			0	79	91.6	25.2	
7	clastic dyke	89	91			270	80	29	0			0	138	107.6	35.7	
	"	89	91			270	84	29	0			0	138	101.6	39.6	
	bed	100	104			270	30	180	16							

(offset 3.5 cm)

Sec. 1, 0-45 cm



Sec 1, 77-141 cm



prob. repetition of strata by reverse faulting (invisible flt plane)

# Structural Geology

Exp: 316

Site: C0007

Core: Hole C 3H

Observer: KU AY

Summary: inclined beds

Thick sand layer, soapy and showing dense bubbles.

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		striation on surface		coherent interval (for P-)		P-mag pole		notes
						az.	dip	az.	dip	rake	from	top	bottom	az/trend	dip	
1	bed	69	75			90	47	0	15			45	128	274.7	12.3	
	bed	116	122			90	46	0	13			45	128	268.8	14.6	
3	bed	93	96			90	23	0	19			72	104	279.0	13.1	
5	bed	20	24			90	22	0	29			0	44	257.3	3.4	
-----																
1	CC bedding	11	12			270	9	180	33			5	42			
	CC bedding	24	24			270	0	0	0			5	42			
	CC bedding	32	33			270	8	0	12			5	42			

5X

Beddings with various dipping angles

# Structural Geology

Exp: 316

Site: 60007

Core: 6X

Observer: Fabbrini

Summary:

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		striation on surface		coherent interval (for P-)		P-mag pole		notes
						az.	dip	az.	dip	rake	from	top	bottom	az/trend	dip	
1																
2																
4	ash layer	38	44			270	2	180	13			0	55	31.6	42.8	1 ash layer + drilling - disturbed bedding + biscuiting
1	bedding	32	34			90	15	180	6			0	80			
2	bedding	78	78			270	0	180	18			0	118	84.5	63.6	
4	bedding	14	16			90	17	180	10			0	29	35.0	16.9	
4	bedding	41	44			270	27	0	7			41	142	2.4	14.8	
4	bedding	93	95			90	16	180	8			41	142	24.3	44.3	
5	bedding	123	124			270	11	0	15			104	140	16.2	30.0	
5	bedding	71	72			270	13	180	5			0	78	83.3	-2.70	
5	bedding	13	13			270	1	0	5			0	78	14.7	34.2	
6	bedding	9	9			270	0	0	23			0	30			no data

7X

# Structural Geology

Exp: 2/6

Site: 0007

Core: 8X

Observer: Li

Summary:

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		striation on surface		coherent interval (for P-)		P-mag pole		notes
						az.	dip	az.	dip	rake	from	top	bottom	az/trend	dip	
1	bedding	28	30			270	16	0	11			0	68			
1	bedding	51	53			90	16	180	10			0	68	22.0	52.8	
1	bedding	126	127			270	0	180	11			120	140	31.0	39.1	
2	bedding	96	97			270	4	0	4			17	140	10.1	40.9	
2	bedding	99	100			270	11	0	6			17	140	345.9	79.7	
2	bedding	105	106			90	18	180	33			17	140	72.5	58.2	
4	bedding	87	89			270	8	0	3			0	114	29.9	29.3	irregular interfaces
5	bedding	67	68			270	17	0	7			66	141	315.4	28.5	



# Structural Geology

Exp: 36

Site: Coo7C

Core: 9X

Observer: AL

Summary: subhorizontal bedding

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		striation on surface		coherent interval (for P-)		P-mag pole		notes	
						az.	dip	az.	dip	rake	from	top	bottom	az/trend	dip		
2	bedding	82	83			270	9	180	12							← unknown	
3	bedding	25	26			270	14	0	8			23	26	8.4	36.8		
4	bed	43	44			270	13	0	6					46.9	43.9		
6	bed	103	105			270	16	0	12			101	108	6.4	63.9		
7	bed	79	80			90	13	0	8			78	83	337.3	70.1		
8	bed	59	60			90	2	0	16			57	63	44.9	45.8		
-----																	
						110	X										same as 9X
1	bedding	8	8			90	0	0	0			0	8	39.2	37.8		
3	bedding	107	108			270	8	0	12					41.8	70.1		

# Structural Geology

Exp: 316

Site: C0007

Core: 11X

Observer: KM AT

Summary: Dipping beds

Hole C

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		striation on surface		coherent interval (for P-)		P-mag pole		notes
						az.	dip	az.	dip	rake	from	top	bottom	az/trend	dip	
2	bed	83	85			270	40	180	14			83	85	25.7	21.0	
CC	bed	24	26			90	10	0	12			23	30			
1	bedding	45	45			270	2	0	7			0	112			
1	bedding	67	67			270	1	0	0			0	112	28.3	20.1	
CC	bedding	21	21			90	1	0	3			0	33			
1	bed	42	43			270	10	0	15			-0	110	210.0	-63.0	

12X

13X

14X

16H

17H

Low angle dipping bed  
Thick sand:

Gravels. upward fining

normal stratigraphy

younger than 12X

normal sequence but younger than 12X...