


Structural Geology Observation Sheet

Exp.: 322 Site: C001 Core: _____ Observer: Yama Summary: ^{Yujin}



Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
Core 1	1 Carb vein	80	84		220	32	0	37			57	85			
	2 beddy	92	92		90	0	0	0			87	93			chlorite
	1 Striation	16	20		90	70	0	0	65	?	16	40			
	1 cleavage	16	16		90	0	0	77							mirror surface
Core 2R	1 cc	None													
Core 3R	1 None														
	3 fault bedding	10.5	17		90	48	48	0			13	28			measured on CT image
	4 None	25.5	26		270	13	180	6			6	28			
	5 None														linear burrows
	6 fault?				90	52	32	0	10	270	0	7			
Core 4R	1 Dip parallel fault	102	107		240	6	0	7			117	110			
	9				240	7	0	7							
Core 5R	None														

137cm
19.8, 52.2

6-35cm
-46.9, 62.2

6-35cm
99.2, 50.6
1-73cm
137.9, 47.1

Structural Geology Observation Sheet

Exp.: 322 Site: C0011B Core: BR Observer: YK Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes	
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip		
BR	1	83	84		90	9	0	6			8	140	116.5	48.8	fault lamina sharp boundary with thin black layer homogeneous clay above, disturbed clay below	
	2															
	3															
	4	None														
	6															
	7															
	8	Bedding	122	125		90	10	0	2			108	133	77.2		47.4
	9															
SR	1															
	3	None														
	4															
	5	Bedding	40	40		90	1	0	1			13	43	(-115.3 18.7)	(MAD=31.8)	
SR	6															
	7	Sandstone?	24	30		90	33	0	2			23	37	(36.5 20.6)	Black clay → thin sec.	
BR	1	Sandstone?	34	39		290	37	0	20			25	40			
	2	IW														
	3	Base chaotic	42	46		290	28	0	22			33	59			
	4	base?	52	58		290	34	0	37			33	59			
	4	Base sand	99	105		290	40	0	31			62	105	(-117.7 78.1)		
	5	Sand base	6	14		290	42	0	3			0	31	(49.7 -21.8)		
	5	Sandstone	89	96		290	54	280	0			84	105			
	6	Sand base	118	119		290	6	180	35			110	124			
	9	fault	8	22		90	62	328	0			10	46	(110.2 69.8)	24m 43m	

1-35
122.8, 41.6
1-120
116.5, 48.8

8-128
77.2, 47.4

5-10
112.7, 89

5-82
-40.6, -30.2

6-74
72.7, 86

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Exp.: 322 Site: 2004 Core: 95 Observer: Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
5	fault	6	7		90	3	0	15			0	9	(126.4 -19.5)		Highly disturbed core (MAD = 23.8)
109	1	fact	103	105	290	19	0	5			102	106			Highly disturbed
112	2	sand	12	15	90	3	180	9			8	18	(-67.9 6.3)		
					290	11	180	3							
	3	Bobby	92	93	290	4	180	2			34	90			⊙ 2-100m: -4.3, -16.3
					290	3	180	7			89	96			
3	Bobby	12	13	90	2	0	6			61	21	(176.9 -42.7)			
				90	2	0	5			11	2	10	"		
				90	1	0	6			21	33				
6	Bobby	133	133	90	0	0	7			100	100			⊙ 6.88m: -70.3, -49	
7	Bobby	18	19	290	4	180	7			0	23	(65 28.9)	13m	(MAD = 39.5)	
				290	4	180	6			30	57				
				290	5	180	7			88	109	(-12 -19.1)	93m	(MAD = 27)	
8	fault	47	47	90	0	180	4			0	109	(-67 -44.8 -61.8 -22.8 -80 -8.6)			

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Exp.: 322 Site: C0011B Core: 12 Observer: YK Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
12R	1 fault	8	8		90	4	0	7			2	17			① 61m: -17.4, 8.2
	1 fault	10	10		90	4	0	6							
	1 fault	16	16		90	5	0	6							
2	fault	16	16		270	7	180	7			3	35	(17.8	-16.9)	
3	fault	9	9		90	1	180	4			1	14			
3	fault	82	82		270	2	180	9							
3	fault	83	86		270	55	180	42			22	91			
3	fault	87	87		270	3	180	12							
3	fault	88	88		90	48	180	20							
4															
5															
7	None														
cc															
13R	1														
	2	None													
	4														
	5	Bedding	75	75		270	1	180	11			72	25		
6	Bedding	92	92		90	3	0	1			26	140	-26.8	58.8	① 5-45: -36.7, 54.8 / 5.124: 107.1, 45.4 MAD = (-20.9)
7	Bedding	27	28		90	13	180	2			6	54	-13	37.3	

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Exp.: 322 Site: C0011B Core: 14 Observer: YK Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
14R	1 Bedding	93	93		270	6	0	0			88	713			Ⓟ 14.1.23: 28.3, 56.8
	2 "	36	37		90	10	90	4			20	50			Ⓟ 2.65: 56.6, 39.6
	5 "	22	23		90	2	180	2			100	142	122.9	45.6	
15R	1 Bedding	45	45		270	2	180	6			35	53	90.6	27.5	mud turbidite base
	2 "	62	62		90	10	180	7			48	72			greenish layer Ⓟ 2.5 2.99
	34 "	36	36		90	10	180	8			22	55			mud turbidite base Ⓟ 4.12
	4 "	101	100		90	0	180	10			81	104	-2.8 (8.5)	31.4 (78)	mud turbidite base
	5 "	26	26		90	7	0	7			9	30			Greenish layer Ⓟ 5.4 5.84
	6) None														
	7) None														
16R	1) None														
	2) None														
	cc														
17R	cc none														
18R	No recovery														
19R	4 Bedding	118	118		90	4	0	5.5			77	140	-107.7 (-150.9)	71.1 31.3)	Base of turbidite
20R	None														
21R	3 Bedding	10	13		90	21	0	40			1	18	9166.3	53	font shear band thickness = d → photo
	3 (Fault) Def. face	37	37		270	11	0	3					Ⓟ 5, 115		fault with wavy plane → photo

Structural Geology Observation Sheet

Exp.: 322 Site: Coo' B Core: Observer: *K. Yamada* Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
21R	Col. Bedding														
5	Bedding	60	60		270	7	180	11			0	29	D23, 107		Carbonate layer, 6mm thick
	fault	116	118		250	12	180	4			102	110	048.2	-31.8	
6	sand layer	49	54		250	15	180	6			33	55	D18, 101		
7	lava	111	112		250	7	0	8			105	140	D11, 102		
8	carb layer	130	132		250	19	0	20			12	350	27.1	69.6	
22R	cc only														
23R	chlorite conc. zone	132	133		250	14	0	1			132	144	D28, 103		
	fault	135	136		250	6	0	2			5	36	-49.4 -53.3	64.3 57	
	Beddy	43	43		250	7	0	8			38	106	-58.0 -61.3	63.5 62.5	
24R	none														
25R	fault	23	25		90	15	180	5			23	26	D78		
26R	fault	49	50		90	10	180	13			22	17			
	bedding	52	52		90	5	180	2			0	140			Carbonate layer
	"	110	110		270	2	0	6			0	140	016.6	58.2	

Structural Geology Observation Sheet

Exp.: 322 Site: C0011B Core: Observer: YK Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
26R	continued														
5	Bedding	45	46		90	9	0	6			12	47	14.1 (11.6)	55.0 (54.3)	sandy + green layer
6	"	6	6		270	1	0	2			0	110	30.9	63.8	Greenish layer
7	(Bedding)	7	7		270	2	0	5			0	16	-38.5 (-27)	62.9 (59.7)	Bioturbation that seems to be parallel to bedding
7	"	102	104		270	21	0	8			50	129		28	green layer significant change in inclination
27R	1 Bedding	60	61		270	15	0	10			25	86	-27.3 (-34)	70.2 (74)	green layer
4	"	17	18		270	13	0	11			0	140	-85.7	63.2	"
5	"	10	10		270	6	180	16			0	80	-111.3	66	lamina
6	"	83	86		90	11	180	3			0	111	(166.4 -20.4)	(72.7 -60.1)	green layer
28R	1 "	70	70		90	6	180	2			54	94	56.4	33	"
?	2 Slump structure														
	2 Bedding	96	106		270	45	30	0			96	106) Slump internal structures
	2 fault	96	106		90	90	29	0			96	106			
29R	cc only														
30R	1 Carboniferous	94	95		250	8	0	2			62	82	(163.4	9.7)	→ TSB
	"	96	96		250	15	0	1			62	82	(163.4	9.7)	→ XRD
	Bedding	98	98		250	4	0	7			93	102	(165.8	-7.1)	
3	Bedding	93	98		250	1	0	2			418	45	(-171.6	-32.1)	(MAD=22.9)
	Core layer	89	90		250	6	180	4			87	100		214	
	"	91	91		250	1	180	6			87	100			
	"	95	97		250	11	180	12			87	100			
	"	102	103		250	4	0	4			118	130			

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Exp.: Site: Core: Observer: Summary:

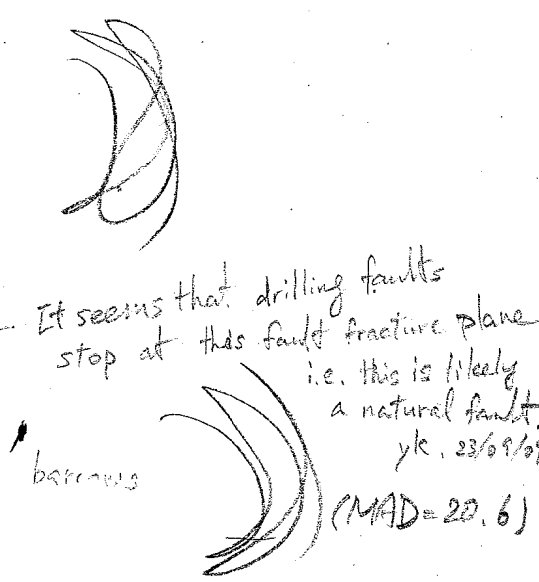
Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
30R	4 fault	35	36		250	5	0	4			0	52	-55.1 -90.1	69 60.7	
	cc only	49	50		250	3	0	10			24	52	-90.1	60.7	
31R	3 fault	125	110		90	15	180	2	308	0	80	30	-40.5	-54.2	striations 30.0, 9.0, 12.0, 8.0, 20.0, 8.0 (MAD=44.9)
	1	82	82		270	4	180	15			12	86	112.4	-40.3	
	2	86	88		270	8	0	27			12	86	"	"	
	3	86	85		90	12	0	16			0	55	41.6 38.7	55.2 -4.3	
32R	1	126	127		90	7	0	6			2	142	-57	55.9	
	2	129	130		270	5	0	6			0	142	26.6	67	
	4 fault	70	84		270	28	339	0			0	141	-141	1.6	high angle fault → Not in CT (MAD=37.4)
	4 fault	90	104		270	67	324	0			"	"	-141	1.6	"
33R	4 Bedding	71	72		270	8	180	5			0	89 141	-166.1	48.1	(MAD=29.3)
34R	cc only														
35R	Bedding	18	19		250	4	0	0			18	22			
36R	4 Bedding	60	61		270	15	180	10			55	65			36R bedding
37R	1														See Drilling induced breccia

32R 1 fault 107 117 270 56 180 73 65 142 -57 55.9 measured on CT

Structural Geology Observation Sheet

Exp.: 322 Site: C004B Core: Observer: YK Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
37R	5 Bedding	132	133		270	6	180	3			130	133			green layer
7	7 Drilling fault	18	20		270	28	180	13			0	33	(14.1	80.6)	drilling induced conjugate fault
7	"	9	9		90	32	0	9			"	"	(14.1	80.6)	
38R	1 fault	128	129		270	4	180	7			112	130			w/ low Deformation zone
	3 Bedding	30	30		270	7	180	8			18	37			green layer
39R	8 fault	42	42		270	22	180	57	69	90	19	85	(-150.5	58.2)	high angle fault cuts drilling bits and barrels w/ striation
39R	2 Beddy	3	37		90	5	180	15			0	45	28.7	57.4	
	5 Beddy	114	115		90	7	0	3			113	122			
	6 Beddy	36	38		250	8	180	4			30	42			
40R	1 Beddy	102	103		290	11	0	2			98	130	176.9	60.9	light gray - greenish layer.
	"	112	113		290	8	0	2			98	130	176.9	60.9	"
41R	cc fault	4	6		290	12	0	7			2	15			
	"	8	10		290	12	0	6			"	"			
	"	12	13		290	11	0	7			"	"			
42R	1 Beddy	72	73		90	4	0	2			69	74			
		89	92		90	11	180	4			45	100			- base - loading ss.



Structural Geology Observation Sheet

Exp.: _____ Site: _____ Core: _____ Observer: _____ Summary: _____

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
43R	1 Bedding	12	12		90	6	0	8			0	30			green layer
44R	1 Bedding	80	80		90	8	0	10			52	140	-67 (-110.4)	62.8 46.4	"
	4 "	112	112		270	7	0	6			24	144	5.5 (13.9)	64.5 62.8	"
43R	1 fault	86	86		90	12	180	52	75	282	71	140	(-98.7)	22.9	
	1 "	77	77		90	0	180	50	78	270	"	"	(")	(")	this not completely faulted on CT image. then is same one?
45R	5 Bedding	81	82		270	12					0	143	(-132.3)	-4.9	Base of turbidite
	"	84	85		270	11									"
	"	100	101		270	11									"
	"	114	115		270	11	180	8							"
	7 "	132	133		90	4	180	19			102	144	(-140.4)	-0.9	green layer
46R	none														
45R	3 Bedding	9	9		90	2	180	3			2	10			Base of turbidite
	"	36	35		250	5	180	9			33	40			
	"	45	45		250	4	180	4			40	47			→ XRD x2 (turbidite & hemipelagic)
	"	61	62		90	6	180	2			60	67			"
	"	72	72		250	3	0	5			70	74			"
	"	88	88		250	1	180	3			87	90			"
4	"	94	94		90	1	180	3			93	94			"
	"	112	112		90	1	0	3			110	115			"
5	"	33	33		90	12	0	1			36	42	(-62.6)	-35.9	"

Structural Geology Observation Sheet

Exp.: 322 Site: C00113 Core: Observer: Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave, depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
148R	1 Bedding	66	66		270	5	180	2			21	68	-16.9 (-20.2)	71.2 13	Base of turbidite
	4 "	56	56		90	7	180	2			22	66			"
49R	2 Bedding	15	15		270	4	180	6			13	18			"
	1 "	51	51		270	5	180	3			45	51			"
	5 "	84	84		270	7	0	5			80	86	-112.2 (-110.9)	58.9 51.5	"
	7 "	119	119		90	4	0	4			116	125			"
50R	1 "	14	14		270	3	0	2			9	16	-96.4	61.5	green layer (MAD=20.9)
51R	1 fault	71	71		90	28	0	0			70	99			fault in within homogeneous claystone
	2 Bedding	23	23		90	1	180	4			7	97	-6.8	63	
	6 Bedding	84	84		0	0	0	0			0	140	-39.4	48.4	Base of turbidite
	7 "	126	126		270	1	180	1			0	180	-43.7 (-42)	70.9 69.4	" ?
	9 "	35	35		270	7	180	9			0	94			green layer
52R	2 Bedding	58	78		270	1	180	6			69	80	-113.1	59.2	Base of carb. sand layer
	4 fault	79	99		270	4	180	5			69	80	"	"	L.P.F.
	5 Carb. interval	33	37		270	7	180	4			30	38			Carbonate interval
	5 fault	14	17		90	27	180	22	75	45	12	21	(146.6)	-12	reverse fault with calcareous vein ← Dog teeth
	5 fault	40	42		90	18	180	34	90	32	39	42			Fault with calcareous vein ← brecciated calcareous partly dog teeth

52-58R
no data 9/9: 1:00
Pmag

Structural Geology Observation Sheet

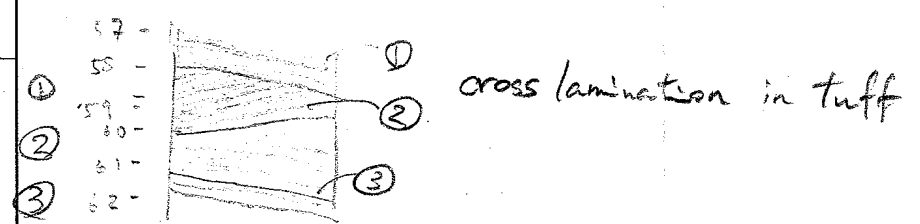
Exp.: 322 Site: Coo11B Core: Observer: YK&Y Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
54R	2 Bedding	74	74		270	3	0	0			64	91			Base of turbidite
	2 "	77	77		90	2	0	6			64	91			"
	4 fault	33	44		270	61	0	0	2	(30) 90	33	44	(150.4	17.3)	mid sand dividing fault flow structure in hanging wall and.
	5 "	7	10		270	27	180	17			(0	8	(145.5	-9.9)	
	4 Bedding	112	112		90	3	180	1			90	120	(-62	50.6)	Base of turbidite
55R	3 Bedding	112	112		270	1	180	2			103	141	(-181.9	69.8)	green layer
	3 Bedding	130	130		270	3	100	2			103	141	↓	↓	parallel lamina
56R	1 Bedding	0	4		270	2	180	1			0	19	47.5 44.1	60.2 61.4	laminated ss.
	"	15	17		270	1	90	2			0	19	↓	↓	"
	"	42	45		270	1	90	1			42	47	46.1	49.7	"
	3 "	0	1		90	1	0	0			0	6			base of turbidite.
	"	20	23		90	1	0	3			14	23	133.2	56.2	laminated ss
	"	32	34		90	3	0	1			30	48			"
	"	33	38		90	3	180	1			30	48			"
	"	48	49		270	1	180	2			48	53			"
	"	53	54		90	2	180	1			53	60			"
57R	1 Bedding	47	47		90	3	180	5			46	80	(-45.9	22.1)	
	"	3	3		270	2	180	12			0	18			
	1 fault	19	23		270	39	0	37	40	270	19	38	(-45.7	13.7)	
	"	25	33		270	50	0	0	10	90	"	"	(-	-)	

Structural Geology Observation Sheet

Exp.: 322 Site: 000113 Core: Observer: YK Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
57R	1	50	55		90	39	0	9	5	270	49	26	(-45.9	82.1)	
	1	62	30		270	34	180	44	16	90	"	"	(↓	↓)	
	2	27	31		270	24	0	37	21	270	11	45	(-86.9	78.8)	
	3	7	15		90	39	180	22	23	270	0	38	(-60.7	60.4)	
	3	7	15		90	39	180	22	23	270	0	38	(-40	62.7)	
58K	1	Beddy	119	119		90	3	180	4		76	130			
	2	"	64	64		90	2	0	2		53	72			
	3	"	29	79		270	2	0	7		0	140	(-102	5.1)	
	3	"	90	90		270	3	0	7		0	140	(↓	↓)	
	3	Volc	44	49		90	17	0	7		38	92	(↓	↓)	
58K	7	Bank	31	39		270	70	180	55		10	43	(-127	27.1)	
	6	Beddy	23	23		270	8	0	1		26	52			
	1	"	23	23		90	3	180	8		0	85	(-173.4	63.5)	in tuff
	1	"	29	29		90	4	180	1		0	85	(-47.9	↓)	laminar
	1	"	39	39		90	2	180	7		"	"	(-173.4	63.5)	
	1	"	53	53		90	4	0	2		"	"	(-174.5	58.7)	
	1	cross lamina	57	57		90	5	0	9		"	"	(↓	↓)	
	1	"	59	60		270	6	180	5		"	"	(↓	↓)	
	1	"	61	62		90	9	0	3		"	"	(↓	↓)	
	1	Beddy	117	117		270	1	180	4		97	127	(-118.1	70.4)	
4	"	131	131		270	5	0	0		107	144	(-130.4	53.7)		
5	"	25	25		90	1	180	3		15	33	(108.6	78.9)	green layer	



Structural Geology Observation Sheet

Exp.: 322 Site: C0011B Core: Observer: YK & Y Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
58R 5	Beddy	48	48		270	2	180	4			46	58			
1	fault	130	132		90	24	0	48	92	90	127	133			
5	Beddy	96	98		270	4	180	3			74	128	(-85.2 77.2)		
	"	117	118		270	4	180	2			74	128	(↓ ↓)		
6	1/2	10	14		270	3	180	2			0	45	(-149.5 72.8)		
	"	32	33		270	9	180	3					(↓ ↓)		
7	"	18	19		90	4	0	2			0	29	(-19.9 -19.8)		
8	"	18	19		90	4	0	1			5	25			ash layer
	"	50	51		270	2	180	1			45	63			ash base
	"	81	82		270	1	180	2			68	123	(50.2 80.2)		"
	"	117	118		270	4	0	3			68	123	(↓ ↓)		sand laminae
X	fault	39	42		90	29	0	50	948	90	0	0	(-144.2 39.6)		
59R 1	bedding	93	94		270	1	180	2			44	115	(-139.4 80.1)		base ash
	"	109	110		270	5	180	5			48	115	(103.7 87.8)		
2	"	5	6		90	4	180	1			0	15			
4	"	34	34		270	3	180	3			34	44	(25.8 14.5)		

Structural Geology Observation Sheet

Exp.: 322 Site: Coo/2^A Core: 5R Observer: YK&YK Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
<u>5R</u>															
<u>8R</u>	4 Beddy	44	44		270	4	180	2			21	54	137.3	-49.4	
	4 fault	30	40		270	62	25	0			21	54	"	"	-Drilling induced or natural?
<u>9R</u>	1 Beddy	15	15		90	2	90	4			12	20			
	4	125	125		270	1					116	140			
	2 Beddy	62	63		90	3	180	5							
	"	111	112		270	4	0	6			73	120	90.7	-44.5	
	7 "	55	57		90	11	180	10			40	140	94.7	-27	
<u>10R</u>	2 Beddy	49	50		270	5	180	1			44	56	120.3	-73.6	
	6 fault	39	75		90	80	18	0	3	270	35	110	108.3	60.7	need CT-check → Drill induced!!
<u>12R</u>	CC Beddy	9	14		270	44	0	0			0	15			Chaotic deposit
<u>13R</u>	4 Beddy	70	71		90	14	0	8			69	74	110.9	61.4	
<u>14R</u>	4 fault	14	39		270	70	23	0	6	270	11	56	102.9	49.9	High angle "natural" fault (normal) (MAD=43.2)
	4 Beddy	51	51		90	3	0	15			11	56	"	"	Slump? need to ask sedimentologists
<u>15R</u>	4 Beddy	17	19		90	13	0	8			15	20			creep?
<u>16R</u>	5 "	40	41		270	2	180	2			35	45	170.2	54.2	

Structural Geology Observation Sheet

Exp.: 322 Site: C00/2A Core: 1 Observer: YK&YK Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
[18R]	2 fault	25	25		270	78					24	26			small-scale fc, hard to measure Orientation, bioturbated, creep? disturbed by drilling.
	2 creep	54	57								56	59			
[19R]	1 bddy?	62	67		270	11	180	15			57	79			Drill-induced? → needs CT checks.
	3 fault	115	125		270	61	4	0	1	270	116	140	094.7	60.7	
	3 bddy?	122	125		90	19	0	4			116	140			
	4 fault	72	83		270	77	0	313			71	85			
	4 bddy	82	83		90	21	180	9			71	85			
[20R]	1 Bddy	74	74		270	1	0	11			63	108	07.5	55.8	Carbonate layer.
	4 "	121	122		270	3	0	10			114	125			"
	5 "	16	16		90	5	0	4			13	20			dark & green layer.
	4 normal fault	72	73		90	22	180	1			62	78			small-scale - normal fc. creep & slide.
[21R]	3 Bddy	45	45		90	7	0	11			20	78	030.2	44.8	Sand base
	3 "	109	109		270	8	0	8			108	116	021.5	69.4	green layer
[22R]	1 "	40	42		90	8	0	30			39	48	(39.1)	-22	"
	1 "	71	75		270	33	0	12			69	80	0173.6	58.1	"
	3 "	56	58		270	33	-49 (311)	0			53	58			"
	3 "	79	82		270	27	180	8			73	101	037.1	-60.4	"
	3 "	134	135		270	21	0	25			128	137			"
[23R]	1 "	54	55		270	10	180	39			43	61			"
	1 fault creep	14	19		90	5	180	29			12	42	0-89.1	-36.9	Bioturbated dark deformation band

Structural Geology Observation Sheet

Exp.: 322 Site: C0012A Core: Observer: YK&YR Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
23R (cont.)	2 Beddy	3	4		270	14									
	4 Beddy	26	30		90	29	180	28			14	46	P-38.1	61.6	green layer
	4 "	50	53		90	39	180	29			47	72			"
	4 "	63	64		270	10	0	26			48	71			"
24R	3 "	69	71		90	29	180	23			82	84	(-62.3	-52.2)	"
	4 fault	10	26		270	68	22	0			0	90	P-140.7	-50.5	drilling induced or ?
	5 Beddy	134	136		90	15	0	17			123	140	P-117.5	-62	sand base
	6 "	5	9		270	23	180	20			0	7			green layer
25R	4 fault	110	114		270	32	180	16			107	120	(160.3	-38.8)	layer parallel thin ~1mm band (MAD=27.9)
	7 fault	37	45		90	50	(-10)347	0	19	270	26	44	(-156.5	-61.4)	(MAD=21.6)
26R	none														
27R	"														
28R	"														
29R	"														
30R	no recovery														
31R	1 Beddy	20	21		90	3	0	17			15	27	(-167.8	-50.2)	← same structure to Bioturbated creep (MAD=33.1)
	4 "	81	81		270	5	180	11			73	81	P-122.7	63.6	
	5 fault	14	16		90	17	180	11			3	17	(150.7	63.9)	layer parallel fault (MAD=37.5)
32R	3 fault	95	51		270	65	(-65) 295	0			45	49			high angle shear band (thin, wavy) about 1mm
	4 fault	32	34		90	15	0	9			20	46			layer parallel fault cutting burrows

Structural Geology Observation Sheet

Exp.: 322 Site: Cool 2A Core: Observer: YK&YY Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
33R	4 Beddy	121	120		270	10	180	7			119	125	(-150.2 22.3)	parallel lamina MAD (35.6)	
	4 Vein	113	117		270	66	0	0			113	117		4mm-thick calcite vein	
34R	None														
35R	↓ highly disturb														
36R															
37R															
38R		many beddings	apparently sub-horizontal												But highly bixmit. Each block must be rotates ... so, no measurement
39R	4 Beddy	3	4		90	13	0	6			0	6	(14.6 17.1)	mud turbidite base	
40R	1 Beddy	64	65		90	17	180	7			55	119	(8 65.2)	green layer (MAD=20.7)	
	1 Fault	91	110		90	72	358	0	10	90	55	119	(" ")		
	1 "	106	112		270	33	180	10	60	90	"	"	(" ")		
	2 "	95	99		90	33	0	6	2	230	48	139	(-145.4 64.1)	(MAD=27.3)	
	5 Beddy	25	26		90	9	0	15			19	40	(20.8 63.6)	ash base (MAD=37)	
	3 "	64	65		270	15	0	7			51	69		Bioturbated creep base	
41R	1 Beddy	122	122		90	0	180	12			120	138		Sand base	
	2 Fault	68	69		90	12	0	45	75	90	18	78	(102.5 60.5)	Drilling induced? but beautiful dip/slip (normal)	
	4 Beddy	19	19		90	6	0	5			0	22	(-19.8 55.6)	turbidite base	
	"	59	59		270	1	0	21			58	88	(0-41.2 52.7)	"	
	"	91	93		90	17	0	4			89	95		"	
	5 Vein	61.5	61.5		270	1	0	17			49	75	(126.5 -61.9)	thin (~1mm) white vein	
	"	104	105		90	14	0	5			99	123		thin (~0.5mm) white vein	
	"	101	102		"	"	"	"			"	"		"	

Structural Geology Observation Sheet

Exp.: 322 Site: C0012A Core: 42R Observer: YK&YY Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes	
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip		
42R	3	Bully	79	82		290	17	0	16			78	85		sand layer containing wood fragment. sand base base of turbidite.	
	4	"	100	102		90	16	0	14			100	120			
	4	"	11	12		90	11	0	20			0	140	-12.9		73.5
43R	1	"	28	29		290	12	0	7			20	30		sand base. lamina in ss.	
	"	"	69	71		90	19	180	10			47	95	38.2		52.4
	2	"	6	7		290	8	0	10			0	8		Base turbidite	
	"	"	35	37		290	14	180	10			27	54	177.2		68.2
	"	"	49	51		290	12	180	15			27	54	"		"
	"	"	65	66		290	11	180	11			62	85			"
	"	"	83	84		290	11	180	14			62	85			"
	"	"	115	116		290	11	180	14			110	118	178.6		54.7
	"	"	130	133		290	20	180	4			122	139			"
	3	"	5	8		290	15	180	1			0	8			"
5	"	16	17		90	16	0	8			0	25	9.1	69.4	lamina in ss	
7	"	45	49		90	12	180	12			37	52	67.2	43.3	(MAD=22)	
44R	1	"	116	100		290	16	180	4			116	120		base turbidite	
	3	"	9	8		90	11	0	9			0	13	935.1		48.9
	"	"	9	10		90	9	0	10			0	13	"		"
	"	"	48	49		90	1	0	13			44	56			"
	"	"	53	50		290	2	0	14			44	56			"
	"	"	90	92		290	"	180	11			50	13			"
45R	1	"	45	47		90	18	180	8			20	97		base sand	
	"	"	58	60		90	12	180	2							

Structural Geology Observation Sheet

Exp.: 322 Site: C0012A Core: Observer: YR & YK Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes	
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip		
2.	beddy	79	80		90	3	0	10			99	82			limited sandstone.	
	"	84	86		90	12	0	3			82	89				
	"	91	92		270	7	0	3			89	94				
	"	98	100		270	14	0	2			94	103	-119.2	69		
	"	120	120		90	1	180	21			118	125				
	"															
4	"	8	9		90	20	180	11			6	12			"	
	"	18	19		90	8	0	4			13	76	-45.4	66.6		
[46R]	Beddy	4	5		90	15	180	2			0	12	(38.9)	65.9	base turbidite laminated ss base turbidite	
	"	24	25		90	12	180	8			24	26				
	"	6	7		270	4	180	10			9	22				
	"	44	45		270	3	180	5			42	49				
	"															
9	fault	8	9		270	8	0	1			-5	15	-104.8	55.2	layer parallel fault	
CC	creep	21	23												bioturbated creep structure.	
[47R]	3	creep	22	25											"	
[48R]	2	Beddy	41	42		270	5	0	16		36	52	-71.7	51.5	green layer	
	"	"	46	49		270	5	0	17		"	"	"	"		
	"	fault	60	64		270	37	180	71		53	67	-109.2	61.1		
	CC	Beddy	4	6		270	13				0	10				Def band in sandstone
	CC	fault	0	4		270	51	0	11		0	10				
99R	1	Beddy	3	6		270	58	0	23		0	10	-108.3	66.5	Slump	
	3	"	58	60		270	15	0	2		51	62	-117.7	-45.6	green layer	
3	fault	62	62		270	1	0	28	28	270	51	62	"	"		

Structural Geology Observation Sheet

Exp.: 322 Site: Cool2A Core: Observer: YK&Y Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		notes
					az.	dip	az.	dip	rake	from	top	bottom	az./trend	dip	
50R	3 Beddy	29	30		90	8	180	9			26	32			green layer
		81	82		90	5	180	2			77	83	129.1	32.7	
51R	none														
52R	3 fault? bed?	58	59		250	2	180	2			50	60			