


Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: B Core: 1~5 Observer: KOTUF Summary:

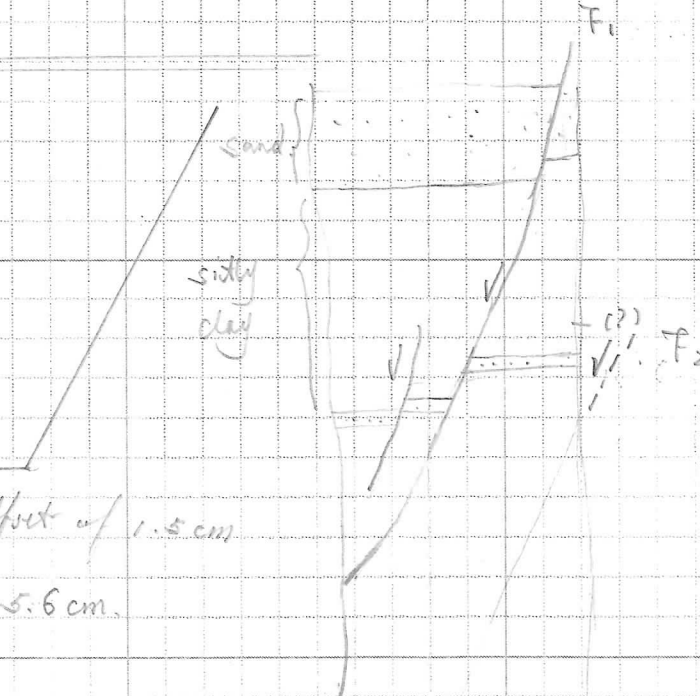
Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → + * Bottom → - *	top	bottom	az./trend	dip	
①	4 5 6															possible mud breccia from 0 to 88cm " " " " 26 to 32cm " " " " 25 to 53cm + from 64 to 78cm
②	1 2. Fault	2	10			90	20	impossible				2	15			nothing normal offset of 1.5cm, in working split surface.
	3 beddy	64	64			270	1	0	6			1	131			
	4, 5, 6, 8, 9 & c.c															no structures visible.
③	1, 2, 3															structures invisible
	4 beddy	120	122			90	5	0	2			0	135			a 1.5-2.0cm thick bed of sands.
	5	25	27.5			90	2	0	6			0	135			No structures.
	6, 7, 8 & 9															no structures visible
④	1, 3, 4, 5 & 6											0	131			sand bed varies abruptly in thickness from 0.4-0.8cm.
	7 beddy (?)	81	81			270	4	180	4							
	8, 9 & 10															nothing structural.
⑤	1 nothing recognizable															
	2 Normal fault	120	125		~0.2mm	90	54	13	0			0	129			offer = 16mm  N13°E = strike apparent dip along NS0°E = 54°
	3 Normal fault	29	70		<0.5mm	270	83	56	0			0	129			offer? see CT scan?
	4 N.F.	38	54			270	72	39	0			0	130			offer? see CT scan images
	beddy	52	53			270	14	0	5			0	130			Sections 5-6-7: nothing
	8 beddy	104	104			270	4	0	5			104	130			
	9 beddy	33	33			270	9	0	0			0	37			

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Exp.: 338 Site: 00022 Hole: B Core: 6-7 Observer: OF+YST+KO Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → * Bottom → *1*	top	bottom	az./trend	dip	
⑥ 1	/															nothing
2	beddy	120	120			90	14	0	10					0	140	
6 & 7																no structures visible.
8	beddy	56	56			90	5	0	4			0	140			
c.c.		27	27			90	10	0	6			4	85			
4	beddy	33	33			90	12	0	6			0	140			
5	..	25	25			90	12	0	5			0	128			
⑦ 1	/															
2	beddy	60	60			90	10	180	6			53	99			
3, 4 & 5, 7,	c.c.															
6	beddy	36	36			270	5	180	5			0	95			
	..	60	60			90	5	0	28							
8	N.F.	48	60			270	64	160	0			0	138			F ₁ , normal offset of 1.5 cm
	..	58	75			270	68	140	0							F ₂ , offset of 5.6 cm.
	beddy	92	92			90	3	180	15							
9	beddy	27	27			90	7	180	6			0	137			



Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C022 Hole: B Core: 8-9 Observer: F-S Summary: _____

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (±90)	from (±1, 90 or 270) *Top → * Bottom → *1*	top	bottom	az./trend	dip	
⑧	1 Fault	28	44			270	71					20	75			XCT: N50E, SE 66; normal offset ~ 5cm.
	2 beddy	4	4			90	2	0	24			0	62			
	5 ..	83	33			270	4	180	2			0	143			
	6 ..	48	48			270	3	0	1			0	144			
	..	97	97			270	4	0	5							
4	Fault	16	37			270	70									Fault zone ~ 0.4cm, offset > 21cm; XCT: N37W, SW 78 Fault zone ~ 1.5cm, normal offset might be ~ 6.0cm; XCT: N14W, SW 77
	..	34	61.5			270	75									
	beddy	102	102			270	2	180	4							
	7 beddy	12	13			270	6	180	5			0	143			
7	..	29	30			270	2	180	4							normal offset 0.8cm; XCT: N22W, SW 35
	N.F.	25.5	36			270	65									
	beddy	44	44			90	6	180	2							
	..	86	86			90	0	0	8							
	8 beddy	45	45			270	2	0	7			0	102			
3	Faults	20	60	depth?								0	31			F, XCT: N11W, W63
9	1 beddy	10	11			90	9	180	2			0	31			
2 ..	4	4				270	2	180	7							
..	21	22				270	10	180	7							
4,5,6 & c.c																



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No. _____

Exp.: _____ Site: _____ Hole: **22B** Core: **10** Observer: _____ Summary: _____

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave, depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤ 90)	from ($\pm 1, 90$ or 270) * Top \rightarrow * Bottom \rightarrow *1*	top	bottom	az./trend	dip	
CC	R	19	20			270	50	180	11			0	20			<p>TOP</p> <p>He lowest part of CC midshore shows a "R" spaced fracture "E" system bearing a very faint linear feature looking like striation R fractures have slightly shiny surfaces rake 2°, 270</p>
5	bedding?	39	40.5			90	12	180	15			0	49			<p>on table.</p> <p>boundary between sand and claystone (?) - bedding?</p> <p>faintly striated; looks like an incipient "C" surface (?)</p> <p>Possible gouge zone from 39cm down to 54cm?</p> <p>Possible foliation within the gouge zone</p>
	slip surface(?)	123	124			90	15	180	49	20	270	50	136?			
	slip surface (?)	50	51			90	8	180	2							
	gouge zone (tentative)	40	54													
	foliated gouge zone (tentative)	49	51													

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No. _____

Exp.: 338 Site: C0022 Hole: 22B Core: 11 Observer: _____

Summary: _____

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → +1° Bottom → -1°	top	bottom	az./trend	dip	
CC																Possible planar fabric zone from 14 to 19 cm (progressive transition with underlying planar fabric-free mudstone)
1	Planar fabric	18	19			90	15	0	46			35	69			
	"					90	5	180	37	85	270					

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No. _____

Exp.: 338 Site: G0022 Hole: B Core: 10, ¹²Observer:

Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes	
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → *1* Bottom → *-1*	top	bottom	az./trend	dip		
⑩ 3	beddy	84	84			270	3	180	5			0	140				
		95	95			90	1	180	13								
		112	112			90	20	180	2								
4	,	21	21			270	10	0	18			0	141				
		48	48			270	20	180	1								
		116	119			270	24	180	13								
⑫	Nothing to describe. (Full of bisecting, cannot see any structure)																

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Exp.: 338 Site: C0029 Hole: B Core: 13.14.15 Observer: JF Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave, depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (S90)	from (±1, 90 or 270) * Top → "1" Bottom → "-1"	top	bottom	az./trend	dip	
13	1															drilling?/splitting? disturbed → nothing visible
	2															" "
	3															" "
	4	deform marking band	76	83			180	40	270	42			1	93		
	5, 6, CC															Nothing visible
14	2, 6, 7 & CC															nothing structural, due to drilling.
	5 beddy (?)	101	101			90	0	180	15			101	103			boundary between dark and gray mudstone, not clearly expressed.
	3 beddy (?)	101	107			90	46	180	25			94	109			
	8 beddy	17	18			270	10	0	13			12	48			
		31	35			270	25	0	8							
	3 beddy	39	43			90	3	0	43			32	48			
	1 beddy	96	100			90	26	0	2			94	110			
15	1, 2, 3, 6 & CC															no core recording visible structures, due to the disruption by core.
	4 beddy	79	82			270	30	180	8			77	82			
	5 "	16	18			90	19	0	3			11	18			
	6 "	61	66			270	46	0	12			57	67			

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Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: R Core: 16 Observer: KO Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → * Bottom → *-1*	top	bottom	az./trend	dip	
16	1.	} Nothing to describe.														
	2.															
	3.															
	5.	bedding	27	27		90	3	180	23			8	35			above boundary: Muddy ash layer below " : greenish gray mudstone
	6.	} Nothing to describe														
7.																
8.																
	C.C															
17	1.	} Nothing to describe														
	2.															
	4.															
	5.															
	6.	bedding	70	72		1.0 cm	270	15	180	23			66	87.5		pyrite aligns along the surface.
7.	"	25	26		1.0 cm	270	2	180	2			11	28		Layer of tuffaceous mud - wavy surface.	
7.	"	46	50		1.0 cm	270	30	180	33			45	51			
8.	"	65	70		2.0 cm	90	20	180	35			60.5	72		fine grain pyrite	
18	1.															
	2.	bedding	30	34			90	1	0	35			30	34?		drilling disturbance makes recognition of bedding indeed difficult
	3.	"	59.5	59.5			270	2	0	5			58?	61?		reliable? drilling - dragged?
																Sections 5, 6, CC: drilling induced disruption makes observations and measurements highly doubtful and not reliable

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: 22 Hole: B Core: 19^{20.24} Observer: OF-YH Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → "1" Bottom → "-1"	top	bottom	az./trend	dip	
19	1 bedding	24	24			90	1					195	27			
	3															
	4 bedd	24	24			90	8 (?)	180	11(?)			23	27			
	5, 6 & CC	no recognisable structure														
20	1 bedding	30	30			270	3	180	1			27	30			
	2 "	11	11			90	0	0	2			8	11			
	3 "	66	66			270	2	0	0			62	67			
	"	93	93			270	2	180	7			92	97			
	5, 8 & 10	no visible structures instead of brecciating by con														
	6 bedding	107	107			90	4	0	0			105	107			
	7 bedding	13	13			90	0	180	3			12	15			
	"	120	120			90	0	180	7			116	120.5			
	9 "	121	121			90	2	0	2			118	121.5			
	CC	55	55			90	2	0	7			51	55			
21	1															
	2 bedding	32	32			270	5	0	4			31	33			
	3															
	4 bedding (?)	71	71			90	2	180	3			69	73			a set of densely spaced, parallel fractures

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Exp.: 338 Site: 2022 Hole: B Core: 21-23 Observer: _____ Summary: _____

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → "1" Bottom → "-1"	top	bottom	az./trend	dip	
21	5.7	-	-													
	8	beddy	68	68		90	10	180	9			65	68			
		"	90	90		90	2	180	6			88	91.3			
	9	-														
	10	beddy	28.5	28.5		90	0	180	5			19	44			
		"	34	35		90	13	0	0							
	cc.	-														
22	1	beddy	69.5	69.5		270	2	0	0			58	84.5			
	"	"	88.5	88.5		90	0	0	3			84.5	91			
	"	"	128.5	128.5		270	4	180	1			118	131			
	cc	"	27.5	27.5		90	2	0	2							
23	1, 2 & 3	-														
	5	D.B.	52	52	1mm	90	6	180	6			47	50			
	6	beddy	116	116		270	2	0	1			112	117			
	7	"	105	105		90	2	180	12			104	107			
	8	-														
	9	-														
	10	-														
	c.c.	-														

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: 002 Hole: B Core: 24²⁵ Observer: shan ko Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (±90)	from (±1, 90 or 270) *Top → *1* Bottom → *-1*	top	bottom	az./trend	dip	
24 1	beddy	21	21			90	2	180	6			21	26			
	"	72	72			270	2	180	3			72	80			
2	"	21	21			90	0	0	6			21	26			
	"	36	36			90	1	0	5			36	40			
4	"	27	32			270	5	180	4			27	32			
	"	84	84			90	2	180	3			80	84			
5	"	83.5	83.5			270	2	180	1			79	85			
6	"	7.5	7.5			90	0	180	2			7.5	13			
7	"	41	41			90	1	180	5			41	45.5			
	"	134	134			270	1	180	6			134	139			
8	"	67.5	67.5			90	3	0	0			67.5	88			
C.C.	"	18	18			270	4	180	5			18	24			
	D.B.	12	14.5			270	32	67	0							
25 1	beddy	10	10			90	0	0	12			10	13.5			
	"	53.5	53.5			90	1	0	1			50	54			
4	beddy	53.5	53.5			270	2	0	3			49	54			
7	"	66	67			90	4	180	8			63	69			
6	"	89	90			90	5	180	1			83	96			

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: B Core: 26 Observer: KO Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → * Bottom → *-1*	top	bottom	az./trend	dip	
3	beddy	58	58			90	2	180	7					55	61	
1	beddy	135	135			90	5	0	2					135	137	
2	beddy	130	130			270	6	180	8					126	135	
3	"	94	94			270	1	180	12					91	99	
4	"	54	54			90	12	180	4					51.5	58	
	"	100	100			90	10	180	8					95.5	102	
6	"	21.5	21.5			270	2	180	6					18	25	< 5: Nothing.
2	D.B	7	10			317	0	47	76					6	10.5	
	"	21.5	25.5			70	0	340	55					21	25.5	
	"	57	61			85	0	355	53					57	61	
	"	82	83.5			78	0	168	16					80	83.5	
3	"	30	35			66	0	156	50					30	35	
	"	61	65			71	0	161	62					61	65	
	"	81	85			16	0	286	45					81	85	

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No. _____

Exp.: 338 Site: C0022 Hole: B Core: 26 Observer: KO Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes		
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → *1* Bottom → *-1*	top	bottom	az./trend	dip			
4	D.B.	18	22			11	0	28	73					18	22	73 / 11	} by X-CT	
	"	46	50			37	0	30	55					46	50	55 / 37		
	"	75	82			61	0	33	60					75	82	60 / 61		
5	"	13.5	19			23	0	29	77					13.5	19	77 / 23		cuts burrow.
	"	6.0	11.5			81	0	17	55					6.0	11.5	81 / 55		displaced by above deformation band

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: B Core: 27 Observer: KCO Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → * Bottom → *-1*	top	bottom	az./trend	dip	
1.	bedding	41	41			270	2	0	2			38	41			
		64.5	64.5			90	3	180	1			61	65			
		122	122			270	4	0	2			119	127			
2.	"	50	50			90	0	180	3			47	51			
		73	75		2.0	90	4	0	2			69	76.5			
		109	109			270	2	180	1			104	110.5			
		134	134			270	2	0	6			132	137			
3	"	80	9.5		1.5	90	5	0	2			55	13			
		27	28.5		1.5	270	1	180	7			24	30			
		51	52.5		1.5	90	4	0	1			48	53			
		65.5	67.5		1.5	90	1	180	1			63	67.5			
5	"	49	51.5		2.5	90	2	0	8			45	52			
cc	"	8	8			90	0	180	10			3.5	8			
3	D.B	59	60			148	0	238	20			58	60			32 20 from X-CT image

Structural Geology Observation Sheet

No. _____

Exp.: 238 Site: C0022 Hole: B Core: 28+29 Observer: DF Summary: _____

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → * Bottom → * *	top	bottom	az./trend	dip	
28	1 bedding	99	59	80	0	90	0	0	6			96	101			possible fault but drilling induced feature cannot be excluded faint striations. Sense cannot be ascertained.
	2 bedding	60.5	60.5	60.5	0	90	1	0	1			59	61			
	4 Fault	47	62		0	270	83	27	0	62	270	47	58			
	bedding	77.5	77.5			90	1	180	1			73.5	78			
	5 bedding	36	36			90	1	0	8			35.5	39.5			
	"	52.5	52.5			90	4	0	5			50	53			
6 "	26	26			90	0	0	1			19.5	60				
cc	/															
<u>29</u>	1 bed.	25	25			270	2	180	5			21.5	27			
	3 "	22	22			270	8	0	8			2	28			
	"	79	79			90	1	180	2			77	80			
	4 "	34	34			270	9	180	11			24	42			
	5 -															
cc	-															
30	1 bedding	6	6			90	7	0	13			4	6			
	"	55	55			90	0	0	8			51.5	56.5			
	2,4 "															
	5 bedding	65	65			270	1	0	5			38	70			
	D.B.	15.5	17		0.5mm	270	21	180	25			10.5	25			
	"	16.5	18			270	21	180	20							
bedding	102	102			90	2	180	3			102	105				

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: B Core: 30-31 Observer: T-S Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → * Bottom → *-1*	top	bottom	az./trend	dip	
30	7	beddy	93	93		90	4	180	2			82	97			
	8	D.B.	29	31	0.5mm	90	13	180	3			29	31			
	C.C.	beddy	6	6		90	0	180	10			1	6			
31	8	D.B.	10	14	<0.5mm	270	35	0	55			8	14			inter distance 12mm. Photographs taken by OF (1A/5B)
		-	11	15	-	270	34	0	46							
		-	28	28	-	90	0	0	1			25	30			
	1	beddy	73	73		90	3	0	0			73	77			
	2	-	25	25		90	2	180	4			21	25			
		-	118	118		90	0	0	1			118	124			
	4	-	76.5	76.5		270	1	180	2			74	79			
	5	-	21	21		90	5	180	3			18	21			
		-	122	122		90	1	0	2			122	126			
	6	-	28	28		90	3	0	3			19	28			
		-	55	55		270	3	180	1			49	55			
		-	77	77		270	3	0	0			77	90.5			
8	-	4	4		90	0	180	7			4	7				
	-	107	107		270	8	180	1			107	111				
7	-	107	107		90	0	180	3			104	107				
C.C.	-															

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: B Core: 32, 33, 34 Observer: F-S Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes	
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → * Bottom → * *	top	bottom	az./trend	dip		
32	1	-	-														intensely fragmented by coring. no structure visible.
	2	-	-														
33	1	D.B.	4	8	1mm	90	85	152	0			4	8				
	4	"	113	110	1mm+	90	46	0	58			107	110				
	1	beddy	16	16		90	0	0	6			13	16				
	"	"	125.5	125.5		270	2	180	5			125.5	132				
	2	"	79	79		90	0	180	3			69	79				
	3	"	42	42		270	1	180	3			42	52				
	"	"	52	52		270	1	180	4								
	4	"	16.5	16.5		90	0	0	13			16.5	23				
	"	"	77	77		90	0	0	8			77	84				
	5	"	40.5	40.5		90	2	180	14			40.5	43				
	"	"	55	55		270	1	180	10			50	55				
	6	"	-	-													
	8	-	-	-								17.5	23.5				
	C.C.	beddy	17.5	17.5		90	3	180	2								
34	1	-	-									3	26				
	2	beddy	7.5	7.5		90	0	180	3								
	4	"	125	125		90	0	0	8			125	140				
	5	"	113	113		270	1	180	4			113	120				
	6	"	125	125		90	0	180	4			112	125				

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: B Core: 34 Observer: OF Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → *1* Bottom → *-1*	top	bottom	az./trend	dip	
34 4	DB	76	82		1mm	90	67	161	0			76	88			<p>B₁, about rem normal offset (?)</p>
	"	79	88		"	90	58	0	50							
	"	23.5	31		2-5mm	270	33	0	2			24	42			
	"				<1.5mm	270	27	incompatible								
	"		115	115.5		3mm	90	3	180	1			111	119		
1	D.B.	76	80		1mm	90	35	0	60			69	84			
6	"	99	106		"	90	60	137	0			97	107			
8	"	81	81		2mm	90	2	0	7			76	81			
7	"	67	72		<0.5mm	270	60	10	0			66	72			
	beddy	14	14			90	6	180	2			14	21			
	"	52	52			90	1	0	2			45	52			
B & cc -																

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: B Core: 35⁺³⁶ Observer: OF+KO Summary: _____

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → "1" Bottom → "-1"	top	bottom	az./trend	dip	
①	D.B.	12	12,5		<0.5 mm	270	10	0	75			10	13			
	D.S	45	45,5		~1 mm	90	5	0	2			44	46			
②	D.B.	20,5	21		~1 mm	270	12	180	3			20	24			
	bedding	41	41			90	0	0	1			39	41,5			
③	DB	70,5	70,5			270	22	0	12			66	71,5			
	DB	82,5	83			0	13	90	10			80	83			
④	DB	44,5	44,5			90	1	0	0			42	45			
	DB	50	51			270	12	180	3			49,5	57			
⑥	DB	11	12			90	26	180	60			9	13			
⑦	bedd.	108,5	108,5			90	3	0	1			104	113			
⑧	DB	52,5	52,5			270	3	180	13			48	61			
⑨	bedd.	40,5	40,5			270	2	0	1			35,5	43			
⑩ + ⑫	nothing	clear														
36 4 5 7	bedding	32	32			90	0	0	1			25	41,5			Section 1,2. Nothing to describe.
	"	41,5	41,5			90	0	0	4			41,5	50			
	"	24,5	24,5			270	9	0	4			22,5	26			
	"	102	102,5			270	3	0	10			101	105			
	"	114	114			90	0	180	3			112	115			
"	8	9			90	5	180	2			0	12				

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: B Core: 36 Observer: KO Summary: _____

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave, depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → * Bottom → *1*	top	bottom	az./trend	dip	
36 3	D.B	13.5	22			13	0	283	71			13.5	22			
5	,	128	131			51	0	141	46			127	132			
CC	Nothing to describe															

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: 0022 Hole: B Core: 37-38 Observer: KCO Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) *Top → *1° Bottom → *1°	top	bottom	az./trend	dip	
37 1	bedding	51	55			90	3	180	4			51	55			
2	D.B.	14.5	14.5		2.0mm	90	0	0	0			13	16			
		14.5	16		1.0mm	270	21	0	35			13	16			
3	Bedding	17				90	10	180	6			14	20			
cc	Nothing to describe.															
38 1	D.B.	16	16		1-2mm	270	3	0	3			14	39			
	bedding	62	62			90	0	0	3			50	64			
	D.B.	102	106		<0.5mm	270	56	180	37			67	106			
	bedding	134	134			90	2	0	0			124	141			
	D.B.	129.5	129.5		<0.5mm	270	1	180	4							
2	D.B.	22	22		1mm	90	14	180	1			5	102			
	Fault	127	140			270	66	0	62	87	270	69	140			unknown slip sense; strike-slip.
5	bedding	31.5	31.5			270	1	180	5			21	32			
	D.B.	89	93		<1mm	270	37	180	20			68	141			
6	D.B.	80	81.5		<0.5mm	90	19	0	87			76	82			
7	bedding	61	61			90	3	0	5			53	67			
8	Joint	0	17			90	83	147	0			0	17			
		0	17			90	81	154	0							
		0	17			90	90	61	0							

(the first & the third) seemingly
 two conjugate, one being planar structure with an axis sub parallel
 to the core axis

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: B Core: 38 Observer: F-S Summary:

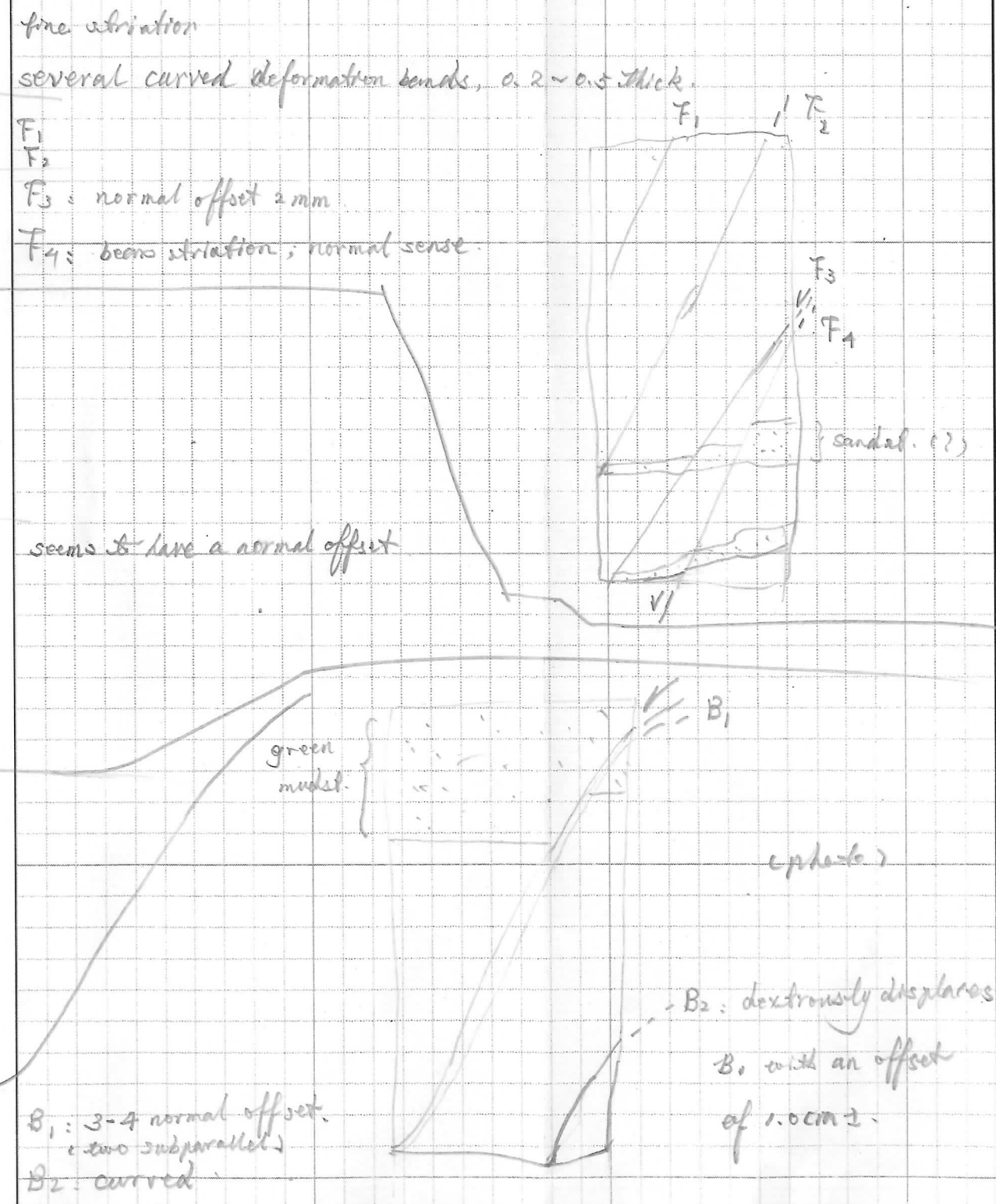
Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → +1° Bottom → -1°	top	bottom	az./trend	dip	
38 9	Fault	0	4			270	31	180	8			0	21			(?) /
5	Fault	9	15			90	45	180	50			8	20			<p>F₁ F₂: 0.8 cm normal offset.</p> <p>conglomerate sandst. (photo) course sandst.</p>
		11	16			90	49	180	23							

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: B Core: 39 Observer: F-S Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → * Bottom → *1*	top	bottom	az./trend	dip	
39	1	beddy	89	89		270	2	0	5			47.5	105			
	3	Fault	57	61		90	50	0	61	64	90	57	115			fine striation
		D.B.	86	94	<0.5mm	270	52	180	46							several curved deformation bands, 0.2~0.5 thick.
		Fault	102	107		270	51	176	0							F ₁
		"	103	107												F ₂
		"	103	110		270	57	156	0							F ₃ : normal offset 2mm.
		"	108	114		270	59	156	0	47	90					F ₄ : beam striation; normal sense.
	4	beddy	7	7		270	4	0	4			0	14			
		"	123	133		270	2	0	0			133	140			
	5	"	10	10		90	3	0	3			2	10			
	6	D.B.	50	50	<0.5mm	270	47	0	31			0	95			seems to have a normal offset
		beddy	89	89		270	3	180	14							
	7	"	35	35		90	0	0	0			0	72			
	C.C.	-														
40	1	beddy	12	12		270	2	180	1			9.5	13.5			
	2	"	29.5	29.5		270	2	180	5			17.5	31.0			
		D.B.	61	65	<0.5mm	270	34	150	0			53	73			
		D.B.	97.5	104		270	50	28	0			97.5	104			
		beddy	118	118		90	6	180	6			114	121			
	4	NF	39	54	1~5mm	270	62	0	60			32	60			
		"	47	55		270	50-60	180	62							



Normal fault

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: 22B Core: 40 Observer: _____

Summary: _____

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → +1° Bottom → -1°	top	bottom	az./trend	dip	
4	NF ₁	39	50		3-6 mm	270	62	0	58							
	NF ₂	48	54.5		<1mm	270	37	180	68							
	DB	53	54.5		0.5 mm	270	15	180	48							
	Bed	56	56			270	3	0	3							

Structural Geology Observation Sheet

No. _____

Exp.: 338 Site: C0022 Hole: R Core: 40-41 Observer: F-S Summary:

Section No.	Structure ID	Top of Struct	Bottom of Struct	ave. depth	Thickness of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Notes
						az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270) * Top → "1" Bottom → "-1"	top	bottom	az./trend	dip	
4	beddy	39	39			90	0	180	2							
	D.B.	93	97.5		1 mm	90	32	0	4			90	100			
5	D.B.	14.5	25		1 mm	90	66	116	0			14	37			B ₁ : a set of subparallel D.B., closely spaced! B ₂ B ₃ B ₄ B ₅ (photo)
	..	25	25.5		1 mm	90	9	0	10							
	..	25	30.5		<0.5 mm	270	75	28	0							
	..	21.5	22.5		<0.5 mm	270	14	0	4			66	80			
	beddy	31	31			90	0	0	4							
C.C.	beddy	13	13			270	4	0	0			13	19			
1	beddy	51	51			90	1	0	0			44	60			
	D.B.	46	46.5		1 mm	90	4	0	0							
2	beddy	87	87			90	2	180	3			76	87			
3	beddy	129	129			90	1	0	3			129	123.5			
4	..	2.5	2.5			270	5	0	0			2.5	10			
5	..	9	9			270	2	0	5			0	9			
C.C.	..	10	10			270	3	180	7			0	93			

40

41

