

(CT) 9th. Nov. 2024. day.
spread sheet 10 NOV 2024
CORES 11 NOV.

Structural Geology Observation Sheet

most color bands are
secondary features.

No. _____

Exp.: 405

Site: C0026

Hole: E

Core: 1H

Observer: HH, LO, DG

Summary:

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note			
				az.	dip	az.	dip	rake (≤ 90)	from ($\pm 1, 90$ or 270)	top	bottom	az.	dip				
1	Bedding (VCD)	66	66.5	90	2	0	0							Bioturbation parallel laminae 107 ~ 116.5 downward drag along edges	disturbed by piston 0-180 0-180	C2	
	(CT)	109	110	270	2.5	180	1.5	bio									
	Bedding (VCD)	13.5	13.5	0	0	0	0										
	7 move 19.0 34.5	19.0	19.0	0	0	0	0										
2	Bedding (CT)	97	97	90	2	0	2	bio									0-134
	Bedding (VCD)	22	22	horizontal		0											
	19.0 34.5																
3	Bedding (CT)	11	11.5	270	5	180	7	bio						vertical crack (disturbed by piston) 0-145 0-145			0-145
	Bedding (CT)	?	?	40	0	0	3	bio									
	Bedding (V)	84	84														
	Bed (V)	131.5	131.5	horizontal													
4	Bed (V)	137	137											vertical crack (disturbed by piston) 0-34 0-130			0-130
	Bedding (CT)	22	22	90	0	0	5	bio									
		50	50	270	4	180	1	bio									
		83.5	83.5	90	0	180	1	bio									
5	Bed (V)	92.5	92.5	horizontal										High CT value Working Half CT image High CT value 129 ~ 130			8-31 8.5-16.5
	Bed (V)	111	111														
	Slightly Disturbed	0	27														

CC Moderately
Disturbed
Bed (V) 12.5 13.5

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Structural Geology Observation Sheet

Exp.: 405 Site: C0026. Hole: E Core: 2H Observer: HH. HO Summary:

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note			
				az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270)	top	bottom	az.	dip				
1	Drilling Disturbed	0	55.														CZ
	bedding	67.5	67.5	90	1	0	4										55-115
	bedding	80.5	80.5	270	2	0	4										
	n/a																
2	bedding (CT)	26.5	27.5	270	1	180	7										6-141
	" (CT)	60	60	90	4	180	4										
	"	125	125	90	0	180	2										
	bedding (vis)	44	44	90	0	0	0							ash layer			
		45	45				vis. horizontal										
3	bedding (CT)	7	7	270	4	0	5										2-140
	bedding (CT)	136	136	270	1	0	4										
	bedding (CT)	115	12	90	1	180	5										
	bedding (vis)	34	34	90	0	0	0							(vis. horizontal)			
	"	134.5	134.5				Tephra.							(vis. horizontal)			
				90	0	0	0										
4	bedding (vis)	94	94	270	2	0	2										
	bedding (vis)	25	25	90	0	0	0							ash layer	Dense Disturbance		1-127.5
		23															
	bedding (vis)	45	45											Disturbed by piston			

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cores 11 Nov 2024

No. _____

Structural Geology Observation Sheet

Exp.: 405 Site: C0026. Hole: E Core: 2H Observer: HH, HO Summary:

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note
				az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270)	top	bottom	az.	dip	
5	bedding (CT) bedding (VIS) sand injection? (VIS) vein structure? (CT)	89 78 78 137	89 78 80 140	90	3	180	4			A 50 P				CT 0-140
6	bedding (CT) bedding (VIS) vein structure (CT) L not visible in the core... bedding (VIS) bedding (VIS)	118 122 115.5 122 113.5 12	118 122 122.5 122 115 13.5	90	1	180	1							) top ~ bottom of the layer
7	bedding (VIS)	123	123	90	0	0	0							ash layer 0-130
CC	water bedding (VIS)	18	18											bottom of turbidite 16-46

(VCP) 10. Nov. 2024. day
Structural Geology Observation Sheet

SPREADSHEET 11 Nov 2024

No. _____

JCORES. 11 NOV 2024

Exp.: 405

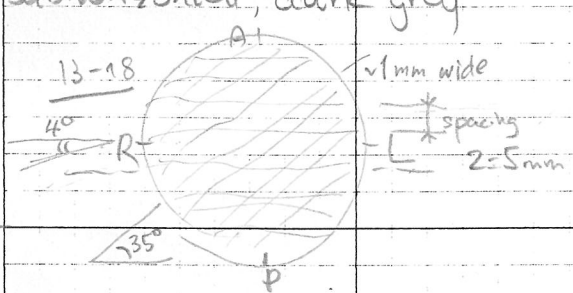
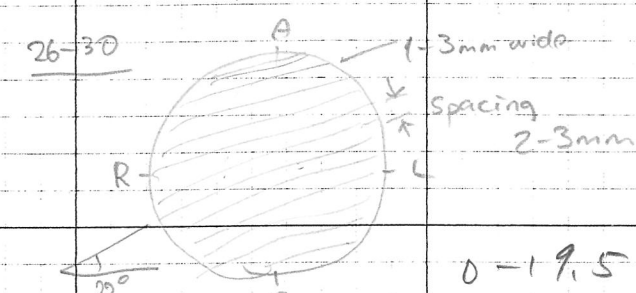
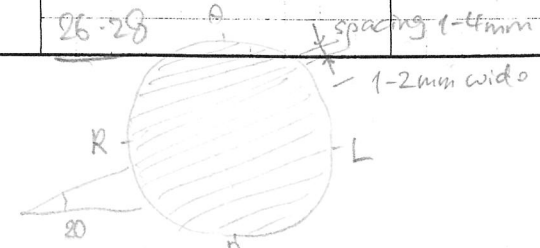
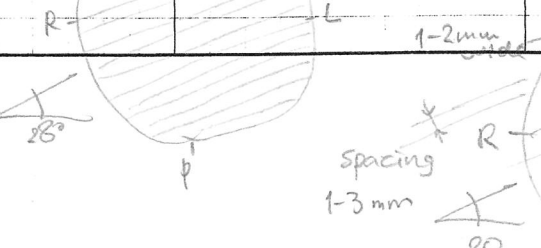
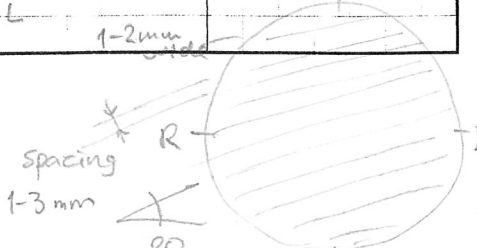
Site: C0026

Hole: E.

Core: 3H.

Observer: HH, DG

Summary:

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note			
				az.	dip	az.	dip	rake (≤ 90)	from ($\pm 1, 90$ or 270)	top	bottom	az.	dip				
1	Highly disturbed.	0	95											Soupy.			95-140
2	ash layer.	96	97											subhorizontal, light grey			0-131
	bedding	107.5	107.5											subhorizontal, dark grey			
	vein structure (CT)	13	18														
	vein structure (CT)	26	30														
3	soupy bedding	22.5	25.5											subhorizontal, irregular base			0-19.5
	ash layer	28.0	29.5											light grey, subhorizontal			22.5-141
	bedding	37.5	38											dark grey, subhorizontal			
	bedding	68.0	69.0											dark grey / brown subhorizontal			
	bedding?	45.0	46.5											dark green / grey subhorizontal			
	bedding	77.0	78.5											subhorizontal, edges bending down, due to drilling			
	bedding	101.0	101.0														
4	bedding?	4.0	4.5											subhorizontal, wavy			0-139
	bedding	98.0	99.5											dark grey / green, subhorizontal			
	bedding	92.0	92.5											dark grey, subhorizontal			
	n/a																
5	ash layer	78.0	81											subhorizontal (grey / green)			0-145
	"	115.5	129.0											"			
	bedding	142.0	142											subhorizontal			
	vein structure (CT)	26	28														
	vein structure (CT)	41	44														
	vein structure (CT)	50	53														

Site: 0026

Hole: E

Core: 34

Observer: DG

Summary:

[illegible]

Structural Geology Observation Sheet

Exp.: 405

Site: C0026

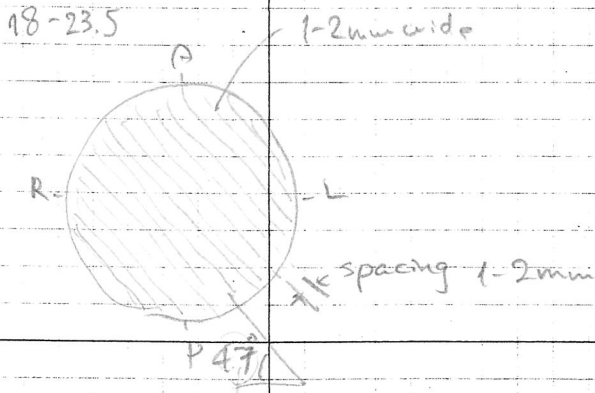
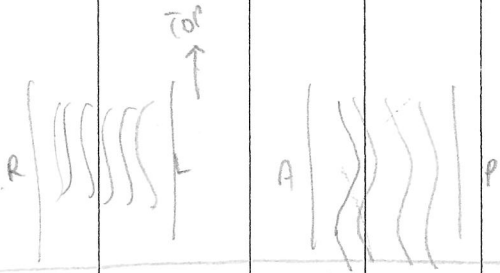
Hole: E

Core: 4H

Observer: D61, H10

Summary:

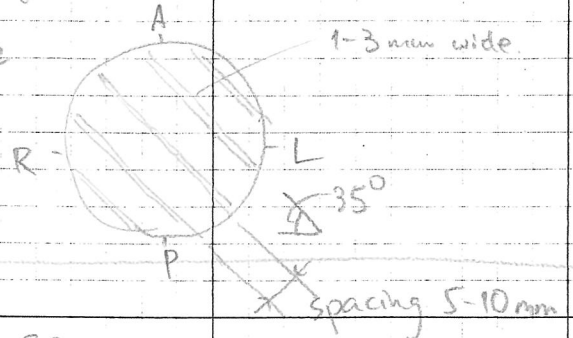
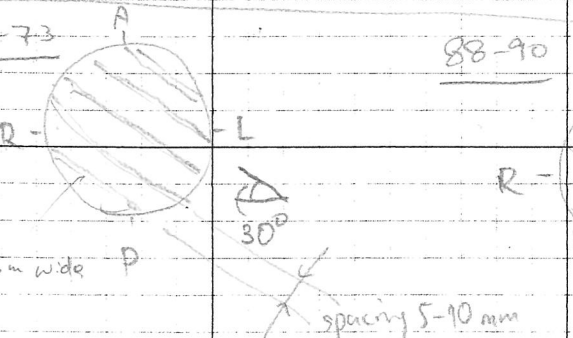
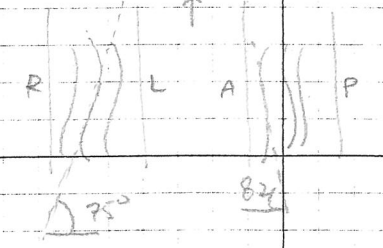
Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note			
				az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270)	top	bottom	az.	dip				
1	drilling disturbance, flow-in bedding	0.	59														59-142.5
	"	99.0	99.0		subhorizontal												
	"	111.0	111.0		"				← colorband (secondary)								
	"	121.0	121.0		"				← secondary colorband.								
	ash layer? bedding	132.0	133.0		"												
2	ash layer	140.5	141.0		"				slight drag due to drilling (down)								
	bedding	23.5	26.0	270	13												0-132
	"	31.0	31.0		subhorizontal												
	"	46.5	46.5		"				but wavy								
	"	57.0	57.0		"				secondary colorband								
3	bedding	74.0	74.0		"				but slight drag (downwards) on edges					← secondary colorband			
	"	86.0	86.0		subhorizontal				← secondary colorband								
	bedding	52.0	57.0		subhorizontal				← secondary colorband								0-136
	VEIN structure (cf. JGS (CT))	18	23.5		vertical but wavy												
4	bedding (N65)																4-140
	NIA																



Structural Geology Observation Sheet

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J CORES 11 NOV 2024

Exp.: 405 Site: C0026 Hole: E Core: 4H Observer: HO Summary: _____

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note			
				az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270)	top	bottom	az.	dip				
5	bedding (VCD)	68	68	subhorizontal										ash layer 35-42 		0-140	
	Vein struct. (GT)	35	42	180	79	90	75										
6	bedding (VCD)	5	5	subhorizontal										ash layer ash layer		0-116	
	bedding (VCD)	27	27	subhorizontal													
7	Vein structure (CT)	52	73	90	83	180	82									0-14 24-117	
	Vein structure (CT)	88	99	90	75	180	82										
	Vein structure (CT)																
CC	n/a															24-44	

Structural Geology Observation Sheet

Exp.: 405 Site: C0026 Hole: E Core: SH Observer: HO Summary: _____

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note			
				az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270)	top	bottom	az.	dip				
1	n/a heavily disturbed																0-0
2	bedding (VCD)	5	5											bottom of ash layer			0-140.5
	bedding (VCD)	22	22											bottom of ash layer			
	bedding (CT)	37	37	? ← not visible													
3	bedding (VCD)	5	5											top of ash layer			0-133.5
	bedding (VCD)	15	15											bottom of ash layer			
	bedding ? (CT)	105	105	← ?										ash layer			
	bedding (VIS)	135	135	← ?													
4	bedding (VCD)	43.5	43.5											bottom of ash layer			0-115
	bedding (VCD)	81	81											ash layer			125-149.5
	bedding (VIS)	56	56	← ?										ash layer			
	bedding (VIS)	96.5	96.5	← ?													
										0	50			50-67: disturbed section			
5								67	141								75-141
	bedding (VIS)	126.5	126.5	← NO USE (disturbed by a pebble)										ash layer with pebbles (nuclear boundary)			

SCORES 76, No. V

Summary:

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note
				az.	dip	az.	dip	rake (≤ 90)	from ($\pm 1, 90$ or 270)	top	bottom	az.	dip	
6	bedding (vcd)	37	37											bottom of ash layer. 0-18.5
7	bedding (vcd) "	36.5	36.5											bottom of ash layer, 24.5-36.5
		24.5	24.5											top of ash layer 0-129
8	n/a													ash layer present but unclear boundary bottom contact in CC 0-19
CC	bedding (vcd)	3.5	3.5											ash layer 0-12, 13-24.5

Structural Geology Observation Sheet

Exp.: 405 Site: C0026 Hole: E Core: 6H Observer: HO Summary: Horizontal beddings / ash layers

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note			
				az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270)	top	bottom	az.	dip				
1	bedding (VCD)	104	104											top of ash layer but heavily disturbed by drilling	3-139.5		
	"	118	118	NOT GOOD for USE									bottom of ash layer, (partly disturbed)				disturbed by core expansion.
	"	128	128	← Bottom of another ash layer. ← block of ash? NOT GOOD for struct. measurement.													
2	bedding (VCD)	83	83	} Bottoms of two ash layers											0-123.5		
	"	84.5	84.5														
	"	110	110			Bottom of ash layer.											
3	bedding (VCD)	66.5	66.5											Bottom of ash layer.	0-140.5		
	bedding (VCD)	13	13	} NOT GOOD for USE due to core expansion.									top of ash layer	disturbed by piston core core expansion			approx. horizontal
	bedding (VCD)	43.5	43.5														
	slightly disturbed	13	43	soapy @ ash layer													
4	Bedding (VIS)	14.5	14.5											Bottom of ash layer	0-141		
5	Bedding (VIS)	3	3											Bottom of ash layer	0-136.5		
	Bedding (VIS)	97	97											Top of massive ash layer.			
	Bedding (VIS)	125	125											Bottom of massive ash layer			

J cores, 11, max

Site: C0026

Hole: E

Core: 6H

Observer: HO

Summary:

[illegible]

Structural Geology Observation Sheet

SPREADSHEET
J CORES. 11 NOV 2024

No.

Exp.: 405 Site: C0026 Hole: E Core: 7H. Observer: HH, YH DG Summary:

[illegible]

Summary:

[illegible]

CHIKYU Operation

Structural Geology Observation Sheet

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J-CORE5. 11. NOV

No.

Exp.: 405

Site: C0026

Hole: E

Core: 8H

Observer: HH

Summary:

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note						
				az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270)	top	bottom	az.	dip				CI			
1	Moderately Disturbed Flow in. Ash Layer. <u>Slightly Disturbed</u> Soupy.	0 0 122 100	10 37 124 140.															Sub horizontal	0-1495	
2	Fracture (V) Ash Layer. Slightly Disturbed Ash Layer	88 25 58 5	98 44.5 71 (8)															High value fracture Block	XVOID range is different from CT image	0-130
3	Ash Layer.	57	91																	4-139
4	Ash Layer. Ash Layer.	14 120	22 (140.5)																108: Pumice?	0-1495

Structural Geology Observation Sheet

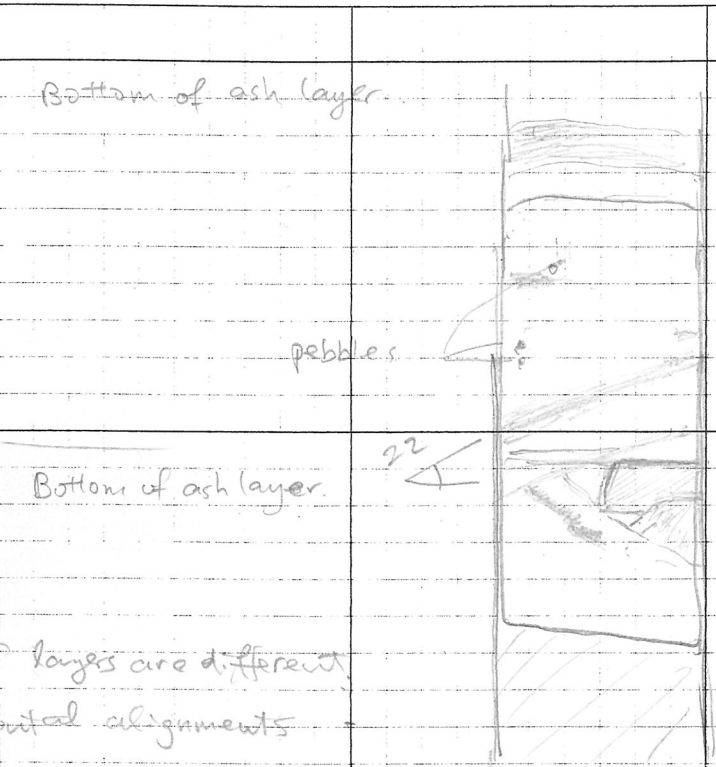
J-CORES. 11, NOV

Exp.: 405 Site: C0026 Hole: E Core: 8H Observer: HH, YH, DG Summary:

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note			
				az.	dip	az.	dip	rake (≤ 90)	from ($\pm 1, 90$ or 270)	top	bottom	az.	dip				
5	Ash Layer Flow in.	0 6	(6) 23														0-140.5
6	Ash Layer Flow in Ash Layer.	85 92 20	(92) 129. (34)														0-140.5
7	Ash Layer Flow in	63.5 71	(71) 78.														0-93
CC	Ash Layer. Slightly Disturbed Model ardly Disturbed.	12 0 34.5	(13) 55.5 46.5														6-13.5 13.5-22 22-34.5

Exp.: 405 Site: C0026 Hole: 6 Core: 9H Observer: HO Summary:

[illegible]

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note	
				az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270)	top	bottom	az.	dip		
6	Bedding (vis)	49.5	49.5												C2
7	Disturbance (ash layer)	28	49.5	270	22										0-140
8	Bedding (vis)	51	51												
	cross laminae? ↳ fault?	59 71	77 72	2 0	not reliable 8	270	1	across this "fault" dip angles of layers are different but close layers have subhorizontal alignments as the layers							0-77
9	n/a.													0-3.5 3.5-1.5	

Structural Geology Observation Sheet

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JORES 12 Nov 2024

Exp.: 405 Site: C0026 Hole: ~~10H~~ E Core: 10H Observer: HO Summary: _____

Sec No.	Structure ID	Top of Struct	Bottom of Struct	Core face app. Dip		2nd app. Dip		Striation on surface		Coherent interval (for P-mag)		P-mag pole		Note									
				az.	dip	az.	dip	rake (≤90)	from (±1, 90 or 270)	top	bottom	az.	dip										
1	n/a coning disturbance, soupy																						CI 0-0
2	Bedding (vis) Bedding (vis) (drilling induced?) fracture	9 68 32	9 68 100 38																				Bottom of ash layer. Top of ash layer (soupy, NO USE) Bottom @ 100 2-6 6-70 78-136
3	Bedding (vis) Bedding (vis) Bedding (vis)	34 46 96	36 47.5 99																				Bottom of ash layer 0-146
4	Bedding (vis) Bedding (vis) "	14 71 128	25 72 128																				inclined but probably due to gravitational movement subhorizontal NO USE, Bottom of ash layer but disturbed. 0-149.5
5	Bedding (vis)	93 109.5 129	93 109.5 132																				Bottom of ash layer @ 93 0-140.5

JCORRES 12 NOV 2024

Summary:

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