cannot input into J-CORES!

site "F" goes from 108 to 248.8 mbsf

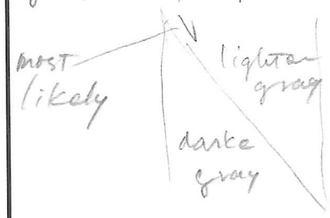
Top 108 mbsf

Structural Geology

Exp: 315 | Site: C0001F | Core: 1H | Observer: Jon

Summary:

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-mag) top	coherent interval (for P-mag) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1	bedding	82	88		6	90	2	180	5					65	102					dark gray clay layer with a diffuse top
2	bedding	97	98.5		1.5	90	2	180	2					85	106					dark gray sandy ash layer with somewhat irregular bedding
3	bedding	29.5	32		2.5	90	2	180	3					29.5	39.5					dark gray sandy ash layer with a diffuse top and a sharp base
5	fault	41	52			270	58	330	0					41.5	99					Contact between the relatively light gray clay of the hanging wall and the relatively dark gray clay of the footwall
8	normal fault	45.5	75			270	88	19	0											long subvertical trace Orientation measured at 20~74
9	↓	0	60			270	88	10	0											Orientation measured at 33,



on archive half

greenish slumping clays Truncated

greenish clay layers are dragged and truncated.

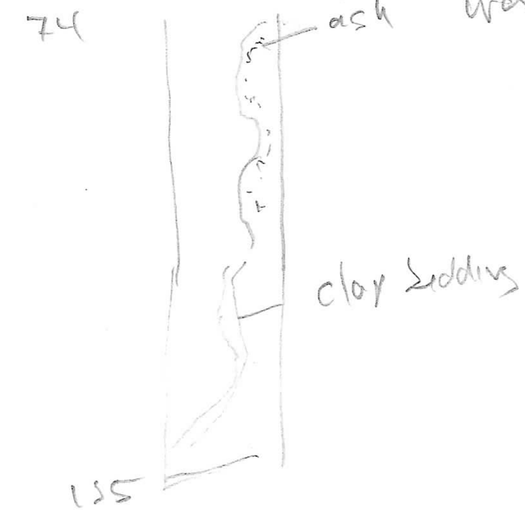
10's of Drilling-induced disturbance

Structural Geology

Exp: | Site: C0001F | Core: 1H | Observer: Tim

Summary:

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		orientation		orientation		coherent interval (for P-		P-mag pole		corrected orientation		notes
						az.	dip	az.	dip	strike	dip	dip dir	dip	top	bottom	az/trend	dip	az/trend	dip	
6	bedding -Ash	74	117			270	55													Nearly vertical ash layer
						90	57													" " clay layer
						270	79	000	00											
						270	69	162	00											
	clay bedding	117	155																	
7	bedding			5		270	54	344	00											



working Hols → produced drillings

Top 11.7 mbsf

Structural Geology

Exp: | Site: C0001A | Core: 2H | Observer: TM | Summary:

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-) top	coherent interval (for P-) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1	bedding	113	115			270	12	180	10											
2	sand layer	15	34																	
	↓ flowing core																			
9																				

↓ lots of drilling induced disturbance / coring

Vertical flow structure

Top 127mbsf

Structural Geology

Exp: | Site: 6001F | Core: 3H | Observer: Tim | Summary:

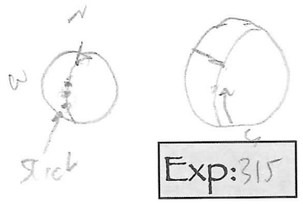
section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P- top	coherent interval (for P- bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1	Fault	92	95		mm	270	35	180	42					30	130					Dyke - Normal

Top 136.5 mbsf

Structural Geology

Exp: | Site: C0001F | Core: 4H | Observer: TCS | Summary: Generally structural loss

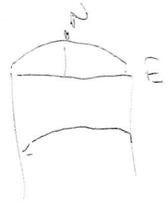
section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-) top	coherent interval (for P-) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1																				
2	bod	20	26		3	90	28	180	11											
4	bod	36	40		1.5	90	27	000	00											
		76	80		1	90	22	180	07											
		96	99		2	90	18	000	00											
5		40	47		4.5	90	10	180	18											
6		85	88		1	90	18													
		101	105		0.5	90	13	340	00											



Structural Geology

Exp: 315 | Site: 0001F | Core: 5H | Observer: Vince

Summary:



Top 146 mbsf

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-) top	coherent interval (for P-) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
3	~~Fault~~ Normal Deformation Band	85	91		6	90	45	180	26											Seen on CT-Scan. Normal offset.
	Normal fault	93	102		9	270	56	37 ~~15~~ ~~140~~	0 ~~0~~ ~~0~~											
	Normal fault	47	54		7	90	43	0	31											Slickr Rake 84 from N.
6	Normal Fault	18	25		10	90	60	35	0											
7	Bedding	66	69		3	90	11	0	9											grey sand // bedding gs lignite? fine bedding of ITD. (wood)
	Bedding	83,5	84,5		1	90	8	0	2											
	Normal fault ①	100	114		14	270	76	0	14											Rake 108
	Normal fault ②	105	113		8	270	53	0 0	18 77											
9	fault	59	66		7	90	44	~~315~~	~~00~~											Rake 84 No visible offset. visible under CT
	Normal fault	89	103		14	90	67	143	00											
	"	99	108		9	90	56	164	00											
	"	104	113		9	90	51	144	00											

Possibly coherent through hole

possible bottom sections

→ 0-15
15-79
79-93
93-148

but prob. No rotation

Top 155.5 mbsf

Structural Geology

Exp: 315 | Site: U1001F | Core: 6 | Observer:

Summary:

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P- top	coherent interval (for P- bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1																				
2	Normal fit	42	53		mm	090	67	333	00											
	Fault	62	64		<mm															
3	Fault	20	26		?															Core induced disruption from top of Section 5
4	IW																			
5																				
6																				
7																				

Top: 161.5 mSsf

Structural Geology

Exp: 315 Site: C0001F Core: 7H Observer:

Summary:

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip		2nd app. dip		orientation		orientation		coherent interval (for P-		P-mag pole		corrected orientation		notes
						az.	dip	az.	dip	strike	dip	dip dir	dip	top	bottom	az/trend	dip	az/trend	dip	
1																				Drilling disturbances throughout all sections
5																				
7H																				

Top 170.98mbsf

Structural Geology

Exp: 315 | Site: C0001F | Core: 8H | Observer:

Summary:

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-) top	coherent interval (for P-) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1	bedding	94	100		6	90	7	180	4					70	100					drilling disturbance from Top to 2.6cm dark gray silty ash layer
3	deformation band	22	29		0.1	270	50	316	0					0	32					faint, dark gray band.
5	bedding	136	139		3	90	0	0	8					124	139					fine graduated graded sandy layer
6	bedding	114	117		0.5	270	9	0	5					108	121					light-gray sandy ash layer overlain by 3 cm thick dark gray sandy layer

Top 179.7 mbsf

Structural Geology

Exp: 315 | Site: C0001F | Core: 9H | Observer: | **Summary:**

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-) top	coherent interval (for P-) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
2	bedding	22	23.5		1.5	270	6	0	8					14	23.5					fine-grained dark gray sandy layer with a diffuse top
	bedding	70.5	78.5		7	270	10	0	0					64	78.5					dark brownish gray silt layer with a diffuse top and a sharp base
6	bedding	121	126		5	270	11	0	7					100	140					light gray sandy ash layer with a diffuse top
7																				} drilling disturbances throughout these sections
8																				

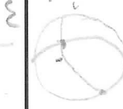
Top 189.2 mbsf

Structural Geology

Exp: 15 | Site: C0001F | Core: 10H | Observer: T Im V, Mc

Summary: Exploded on core deck so sections 3-9 mostly missing

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-mag) top	coherent interval (for P-mag) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1																				disturbance at top of core
2																				No structures
5																				) mixed pieces in core barrel
7																				
9																				No structures
11	Fault	60	66		mm	270	51	135	00											pos normal ?
	"	1	10		mm	270	53	142	00											- second apparent dip measured as rake and second plane → 270 57 RH or 00 57 dip dir. → Rake 136 from E
12	~																			
cc																				Core disturbance " " vertical swirls



Top 196.76

Structural Geology

Exp: 315 | Site: 1001F | Core: 11H | Observer: TLW | Summary: All loose Sand

section	structure ID	top of struct	bottom of struct	average depth	thickness (cm)	core face app. dip		2nd app. dip		orientation		orientation		coherent interval (for P-		P-mag pole		corrected orientation		notes
						az.	dip	az.	dip	strike	dip	dip dir	dip	top	bottom	az/trend	dip	az/trend	dip	

Top: 200.7

Structural Geology

Exp: 315 | Site: C0001F | Core: 12H | Observer: Vine

Summary:

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P- top	coherent interval (for P- bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
2	bedding	15	18		2cm	90	21	0	42											cream-grey ~~brown~~ clays layer in sands.
315	SITE	C0001F			CORE	13H														Top: 202.57
2	bedding	9	12		2	90	33	000	20											
		17	20		2	90	30	000	07											
		25	28		3	90	33	306	00											
3	bedding	49	52		1	90	33	301	00											

there are shells in sands

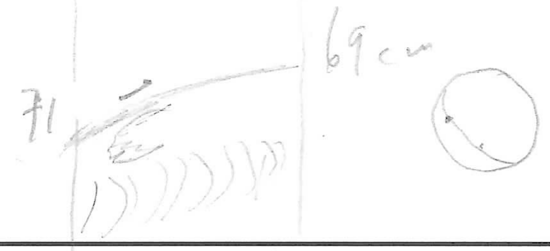
↓

Unconformity ovel
Jump in porosity is
between cores 13 and 14

six (6) sections total

Top 207 mbsf

working half



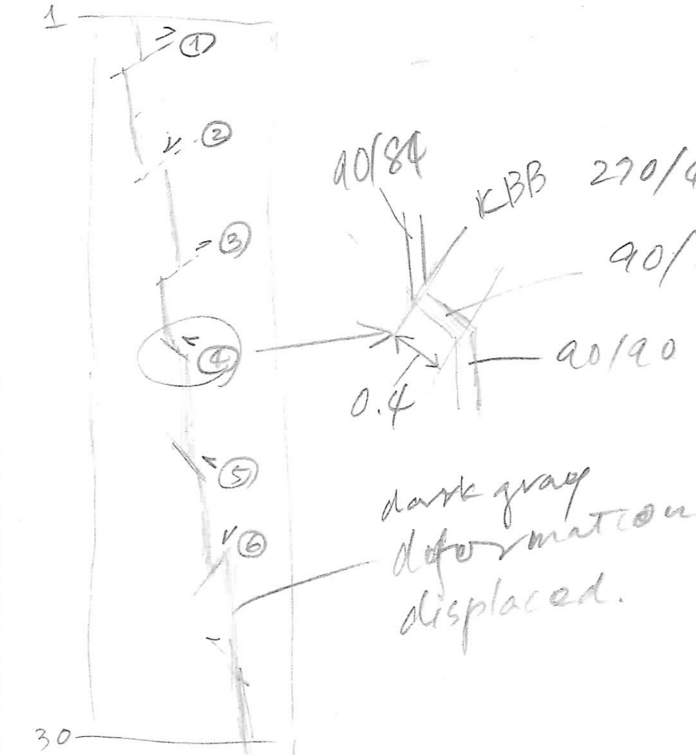
Structural Geology

Exp: 315 | Site: C0001F | Core: 14H | Observer: Tim

Summary:

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P- top	coherent interval bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1	Shear zone	69	71		3 mm	270	15	180	37											→ low angle to bedding, shear thrust - thicker than previous faults
	Fault	120	130			270	52	164	00											
	Fault	131	140			90	65	42 / 17	0 / 0											w/ splay at base of core ↗ Normal
2	faults ①	2.5	3	Thrust		270	44			0.8 cm offset				0	35					
	②	6.5	6.75	normal		270	38			0.2										
	③	10.5	10.75	Thrust		270	35			0.4										
	④	12	12.2	kink band		→														
	⑤	18.5	19	Thrust		90	41			0.6										
	⑥	22.5	23	normal		270	65			0.5										dark gray deformation band displaced.
	deformation band	99	102.5			270	35													curved and diffuse top
	Shear zone ?	103	104		0.3 ~1.0	90	0	180	65											dark fine-grained

CT suggest coherent through of possible horizontal shear at 103 cm (prob not drilling)

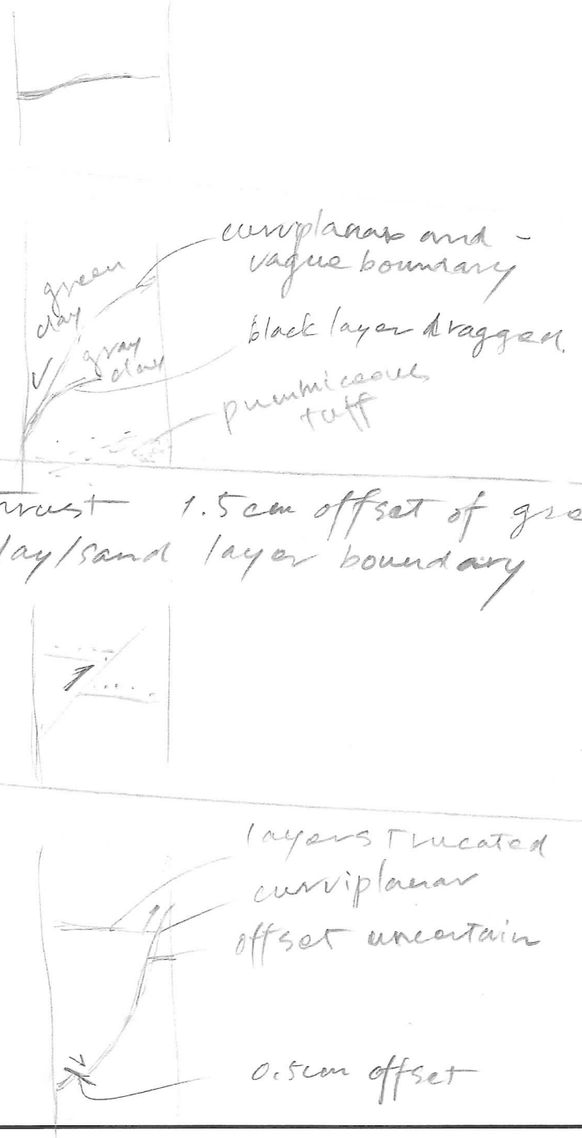


Kyu Jun Jan

Structural Geology

Exp: 315 | Site: C0001A | Core: 14H | Observer: | **Summary:**

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-) top	coherent interval (for P-) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1	bedding	69	71		0.6	270	26	0	9											greenish clay layer
2	fault? or def. band	105	106		0.1 no.3	290	20													
2	normal fault	120	132																	
3	fault	79	86			270	52	0	30					77	88					thrust 1.5cm offset of greenish clay/sand layer boundary
5	fault	17	28		0.2 no.3	270	57	330	0					2	36					layers truncated curviplanar offset uncertain
	normal fault	25	32			90	52	180	25					2	36					0.5cm offset



Structural Geology

Exp: 315 | Site: C0001F | Core: 1H | Observer:

Summary:

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P- top	coherent interval (for P- bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip
5	clastic dike ?	73.5	101		1.5	90	69	318	0										

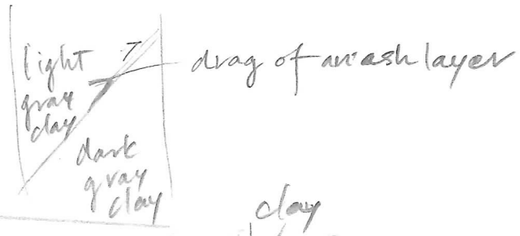
notes

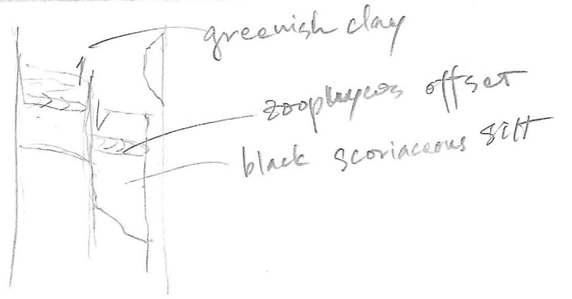
Structural Geology

Exp: 315 | Site: 1000LF | Core: 15H | Observer: | **Summary:**

Top of Core 213.32

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-) top	coherent interval (for P-) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1	bedding	73	95			90	24	180	12											contact between gray clay and greenish clay
	deformation band	110	118			270	52	180	20											irregular deformation band
2	thrust	64	72			270	52	0	14					45	83					very planar fault, sharp
3	bedding	22	27		5	90	6	180	22					14	38					dark gray silty clay layer between greenish clay with a sharp base and a diffuse top.
5	reverse fault	108	118			290	81	0	50											





Structural Geology

Exp: 315 | Site: C0001F | Core: 16H | Observer:

Summary:

Top of section 218.92

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-mag) top	coherent interval (for P-mag) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1	fissility	46	49.5		3.5	90	3	0	0	fissility										porous zone with subhorizontal fissility developed
	boundary					90	10	0	4	←										top boundary & bottom boundary

Sampled by Hirono-san

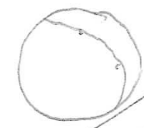
CT Scan shows beautiful zone

↳ Dipping ~30° to "R" = 90 in Working half

in auxiliary plane zone dips "P" ~ 20

① SO → 90 30

0 20



Top of section 219.67

CORE 17H

ALL BRECCIA

→ Need P-mag: 30-63 cm

② Second shear zone:

1st plane

270.0

② 2nd plane

0-35

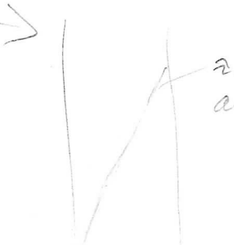
Shows fold?

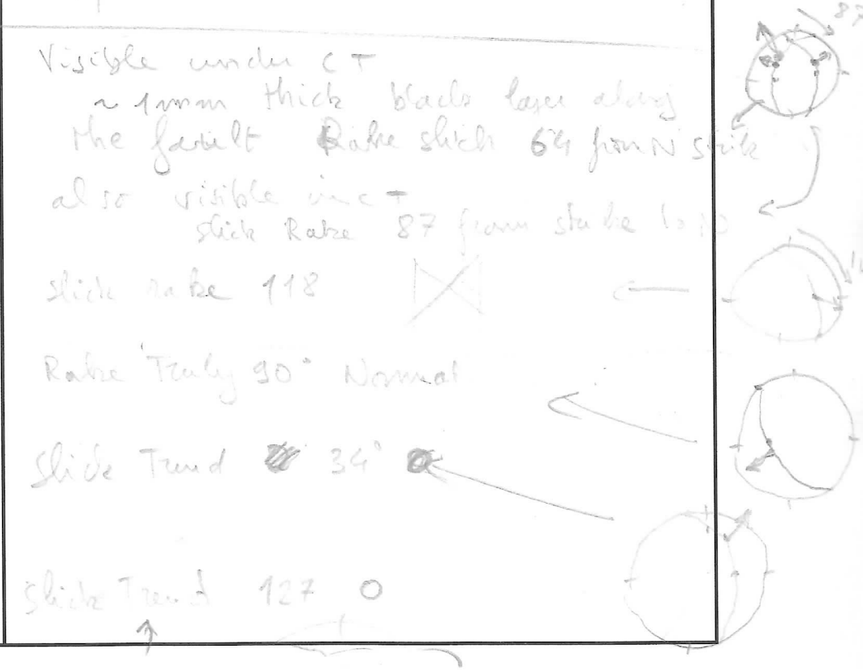
Structural Geology

Exp: 315 | Site: C0001F | Core: 18H | Observer: | Summary:

Top = 220.32

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-) top	coherent interval (for P-) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
1																				drilling disturbance throughout the section
2																				=
3	bedding	21	24		1.0	270	20	0	5					4	72					greenish clay layer
5	fault	90	104		0.2	270	59	15	0											
	fault?	40	59			270	73	35	0											
6	Normal fault and	95	102		0,1	270	47	10	00											
	conjugate Normal fault	97	103			90	46	10	00											
	fault	97	103			90	38	172	00											
	Normal fault	133	140			270	64	327	00											
	& conjugate fault	133	137			90	39	0	12											
	Thrust fault	133	136			90	37	180	49											
7	Double → shear band Normal	9	15			90	40	180	17											





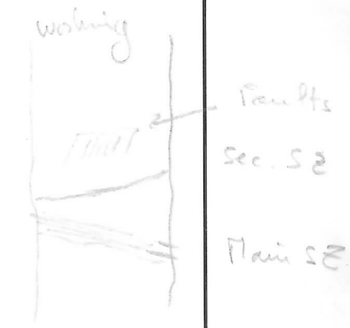
Structural Geology

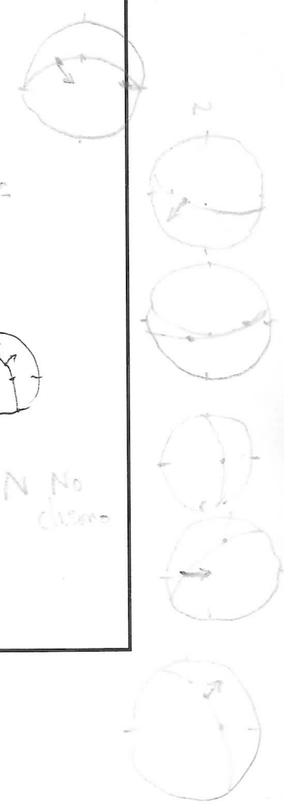
Exp: 315 | Site: C0001F | Core: 194 | Observer: [illegible]

Summary:

top 226.5

section	structure ID	top of struct	bottom of struct	ave. depth	thickness (cm)	core face app. dip az.	core face app. dip dip	2nd app. dip az.	2nd app. dip dip	orientation strike	orientation dip	orientation dip dir	orientation dip	coherent interval (for P-) top	coherent interval (for P-) bottom	P-mag pole az/trend	P-mag pole dip	corrected orientation az/trend	corrected orientation dip	notes
4	Shear zone	69	87		1cm	90	6	180	8											Denser with blocks indented, the slicing saw ripped on it. No shear zone includes: faults with slickens → Slide rake 103 from E
	Thrust Fault	73	75			90	0	0	56											
	Fault	67	72			270	52													Related to a shortening
	Sec. Shear Zone	82	85		2m	270	32	0	17											thrust? sense not sure
	Thrust Fault	80	82			90	10	0	56											sense not visible
	Normal Fault	81	83			270	24	180	71											Slide rake 104 from E
	Normal Fault	75	78			90	25	180	74											Slide rake 114 from E. Sense not sure
	Normal Faults	112	123			90	53													Slide rake 53 from W
						90	66	159	0											→ 2 slides 44 from N / 79 from N No clear
	Thrust fault					270	31	0	30											rake slide 40 from W
	fault Normal					90	47	0	43											slide rake 62 from N





Loose clay No structures.

-	P-mag pole		corrected orientation		notes
n	az/trend	dip	az/trend	dip	
					slide rake 85 from N
					slide 87 from [illegible]
					results → rejected.