

Note H goes from 250 to 10

# Structural Geology

230.0

Exp: 315

Site: C0014H

Core: 1R

Observer:

Summary:

structure ID	top of struct	bottom of struct	ave. depth	thickne ss (cm)	core face app. dip		2nd app. dip		orientation		orientation		coherent interval (for P-bottom)		P-mag pole		corrected orientation		notes
					az.	dip	az.	dip	strike	dip	dip dir	dip	top	bottom	az/trend	dip	az/trend	dip	
STriation 18-19						270	17	0	0										<p>brecciated throughout the section and wet.</p> <p>Size: several mm ~ several cm.</p> <p>Largely missing at 110-130cm.</p> <p>90 150 270</p> <p>270 80 90</p> <p>90 140 220</p> <p>270 90 90</p> <p>270 50 90</p> <p>Top 20cm is brecciated. No coherent sections</p> <p>to mm ~ cm size clasts</p> <p>horizontal fractures</p> <p>developed from 20cm to bottom.</p> <p>90 150 270</p>
"	23 "	"			90	0	0	20											
"	39	41			90	18	180	16											
"	42	44			270	29	0	15											
"	102	104			270	18	0	43											
"	36	36.5			270	8	0	15											

Yes (7)

Red TBs 12-5-07

1

2

# Structural Geology

Summary:

Exp: 315    Site: C0004H    Core: 1R    Observer:

structure ID	top of struct	bottom of struct	ave. depth	thickne ss (cm)	core face app.		2nd app. dip		orientation		orientation		coherent interval (for P-bottom)		P-mag pole		corrected orientation		notes
					az.	dip	az.	dip	strike	dip	dip dir	dip	top	bottom	az/trend	dip	az/trend	dip	
2 STRIATION	50	51			290	10	180	5											290 90 
"	55	55			90	2	180	13											90 270 
"	80	85			290	14	0	3											290 90 
	91	91.5			290	14	180	10											90 270 
																			precipitated throughout the section
2 Thrust	21	29			90	43	180	10											90 270 
STRIATION					290	23	0	10											290 90 

Reverse Shear

normal



# Structural Geology

## Summary:

Exp: 3/15

Site: C0001H

Core: 2R

Observer: Jan JUN

structure ID	top of struct	bottom of struct	ave. depth	thickne ss (cm)	core face app. dip		2nd app. dip		orientation		orientation		coherent interval (for P-bottom)		P-mag pole		corrected orientation		notes
					az.	dip	az.	dip	strike	dip	dip dir	dip	top	bottom	az/trend	dip	az/trend	dip	
3 fault	0	15			270	72	180	15											normal sense based on smeared asperities. green clay, dk color
bedding	69	70		1cm	090	4	180	06											90 270 15 slices show dark polished surface, no sense 90 270 20 no sense of dip
4 fault	0	13cm			270	66	315	00											90 270 60 slices are polished dk green normal based on asperities, not overwhelmingly convincing. bedding vague but probably subhoriz. in core ref. frame.
5 fault	50	64cm			270	75	000	08											bedding look horizontal nucleon bedding
Shear zone	95	109		no, 5mm	270	86	31	00											Down Breccia? Amalgamating zone Black material filled, amalgamating zone
Shear zone	52	66		2x 1mm	270	59	75	00											Amalgamating? looks reverse? Down Many subhorizontal shear bands with black material
Shear zone	30	40		0.5m															Bedding Black material

bedding  
look horizontal

nucleon  
bedding

Amalgamating zone

Black material

# Structural Geology

Exp: 315

Site: Cooch

Core: 3R

Observer: Jim + Vince

Summary:

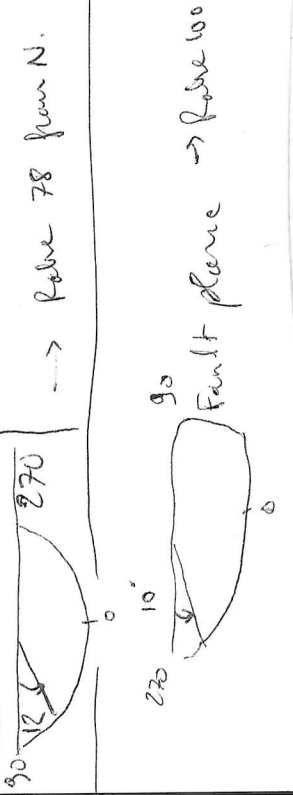
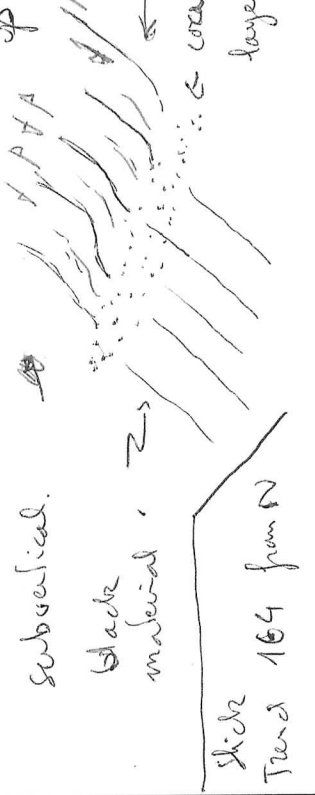
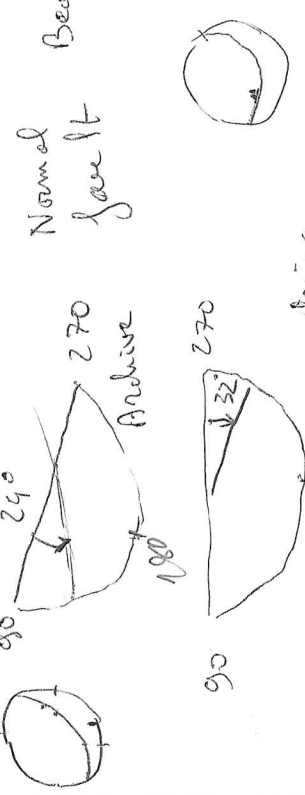
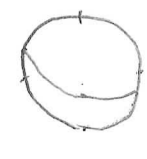
structure ID	top of struct	bottom of struct	ave. depth	thickne ss (cm)	core face app. dip		2nd app. dip		orientation		orientation		coherent interval (for P-bottom)		P-mag pole		corrected orientation		notes
					az.	dip	az.	dip	strike	dip	dip dir	dip	top	bottom	az/trend	dip	az/trend	dip	
1 fault Normal	93	97		/	90	36	180	18											Normal fault Beautiful! 270 Archive 180 240 90
2 fault	83	87			90	28	47	00											Normal fault 270 32° 90
2 Deverling → shear band?	30	35																	wedging up
" compaction band	75 80	81 80			subvertical														Black material
2 Deverling structure	88	93			270	84	330	00											compaction band
Normal fault	90	91			90	7	180	27											Subvertical. Black material. 270 164 from N
left lateral fault	87	88			90	6	00	00											Black material. 270 10' 90
Thrust fault	37	40			90	23	00	00											Slide Trend 164 from N
Normal fault	66	70			90	35	180	18											90 10' 270
bedding	25	26		0.7	90	3	00	07											Fault plane → false 100 from N
2 Deverling veins	85	88		0.05	270	83	127	00											Normal dip ~ 0.5 mm
"	48	53		"	270	66	20	00											Normal dip ~ 1 mm east zoophycos

Normal fault Beautiful!

270 32° 90

Normal effect twice as much deviated next to the coarser layer

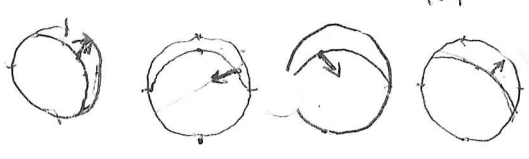
270 10' 90



Normal dip ~ 0.5 mm  
Normal dip ~ 1 mm east zoophycos

5 missing but 184 strikes in CT

2 vein structure 00 95



# Structural Geology

①/④

bedrock  
SIS

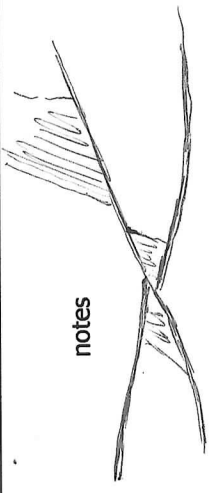

Exp: 315

Site: C00014

Core: 4R

Observer: <sup>Tom</sup> ~~June~~

Summary:

structure ID	top of struct	bottom of struct	ave. depth	thickne ss (cm)	core face app. dip		2nd app. dip		orientation		orientation		coherent interval (for P-bottom)		P-mag pole		corrected orientation		notes
					az.	dip	az.	dip	strike	dip	dip dir	dip	top	bottom	az/trend	dip	az/trend	dip	
Normal fault set	6	17		0.1	270 90	75 82	194 178	00 00											Bright in CT-section. 
Normal Fault	43	50			270	48	00	37											Rake 67° from N
Normal Fault	48	52			270	44	00	35											Rake 57° from E
<del>Normal</del> fault	102	108			270	53	00	23											Rake 122° from E
fault	85	90			270	30	00	33											Rake 109° from E
shear zone	129	130		0.2	270	2	180	17											Bright under CT
shear zone	132	133		0.2	90	3	166	00											Bright under CT
Normal fault	131	133			270	16	180	07											Rake 104 from 
thrust Fault	131	136			270	53	00	42											152 from E sense not sure
shear zone	137	138			90	7	0	8											

section 4



Section 2 - Most of Core Missions / Empty

24

# Structural Geology

## Summary:

Core: 4R Observer: Jina

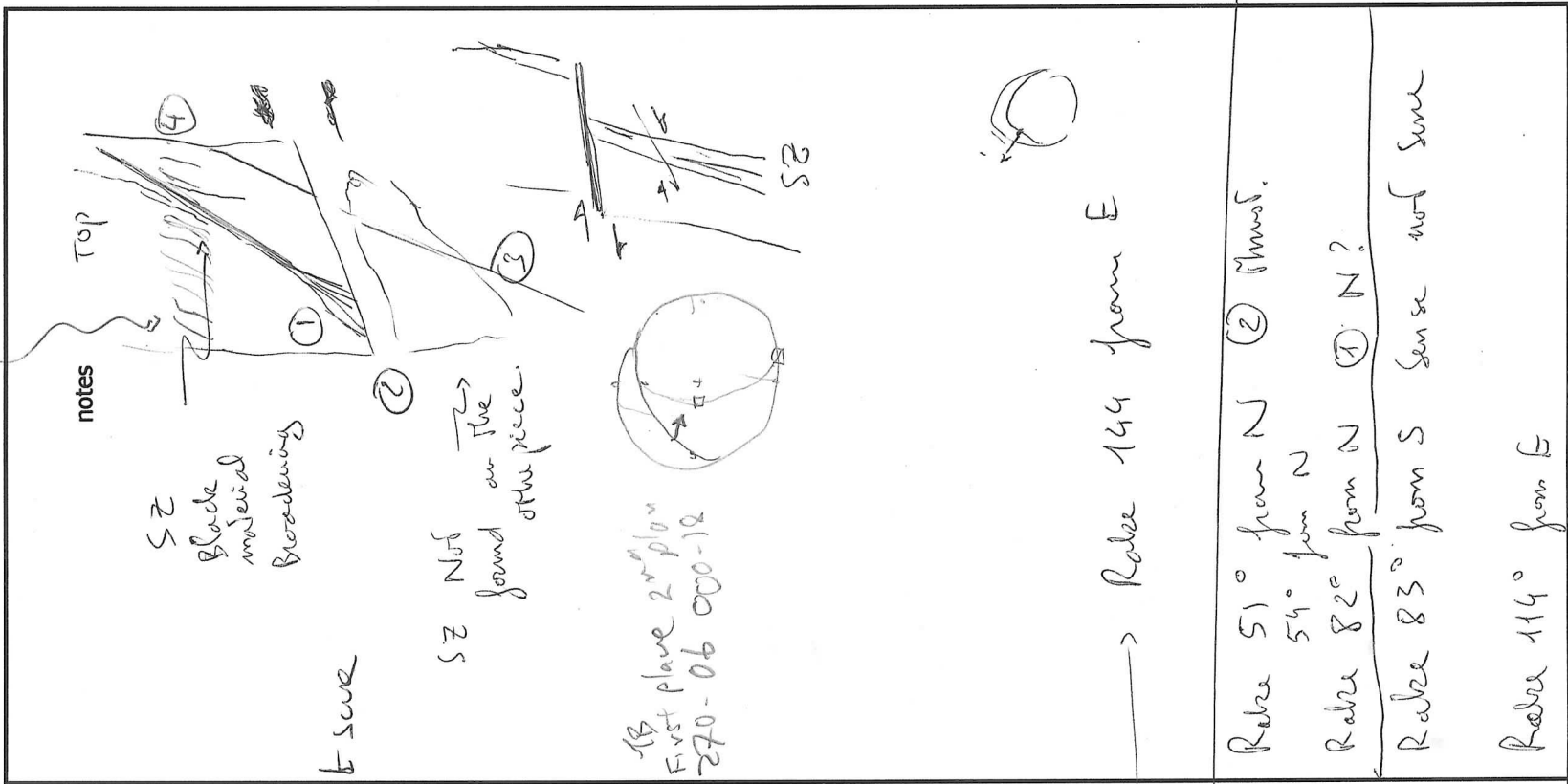
Site: C00014

Exp: 315

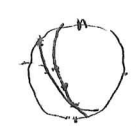
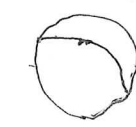
Core: 4R

Observer: Jina

structure ID	top of struct	bottom of struct	ave. depth	thickne ss (cm)	core face app. dip		2nd app. dip		orientation		coherent interval (for P-)		P-mag pole		corrected orientation	
					az.	dip	az.	dip	strike	dip	dip dir	dip	top	bottom	az/trend	dip
Thrust Fault Densifying veins	25	32			90	48	21	00	4	Rake	65	from N				
Shear zone	43	45			270	58	178	00	1							
crossed by fault	41	50		0.1-1	270	30	29	00	2	Rake	86	from S				
fault	50	55			270	66	10	00	3	Rake	64	from S				
shear zone	45	59			270	74	165	00								
cut by fault	67	79		1	270	03	0	17		Trend	289					
that was formerly or SE	69	71			270	03	0	17								
Normal fault	81	83			90	0	0	10		Slide	129					
thrust	92	96			270	19	0	54								
Thrust Fault	6	27			90	79	40	00								
Thrust Fault	20	29			90	50	00	42								
Fault	26	27			270	9	00	23								



coarse layer



bed  
weak  
Subhorizontal

270 84 03

Densifying veins

3



Sampled by Paves: 16-18

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# Structural Geology

## Summary:

Observer: T. J. ...

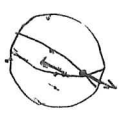
Core: 4R

Site: 600CH

Exp: 315

structure ID	top of struct	bottom of struct	ave. depth	thickne ss (cm)	core face app. dip		2nd app. dip		orientation		orientation interval (for P-coherent)		P-mag pole		corrected orientation		notes
					az.	dip	az.	dip	strike	dip	dip dir	dip	top	bottom	az/trend	dip	
Dextral Fault	40	60			90	81	38	00									Rake 20° from S
Left lateral Fault	45	55			270	71	7	00									Rake 50° from S
Shear zone	55	62		91-105	270	57	180	23									Sense unknown
Dextral Fault	53	68			90	86	35	00									Rake 21° from S
Dextral Fault	81	95			90	82	114	00									Rake 10° from W
Sinistral Fault	95	107			90	75	50	00									Rake 2° from S
Shear zone	128	138			90	76	42	00									Normal = Sense not sure
Left lateral fault	124	128			90	28	0	67									Rake 28° from E
Revealing structures	90	93															Sub vertical.

bedding  
S to 270  
N-S strike



6/6

