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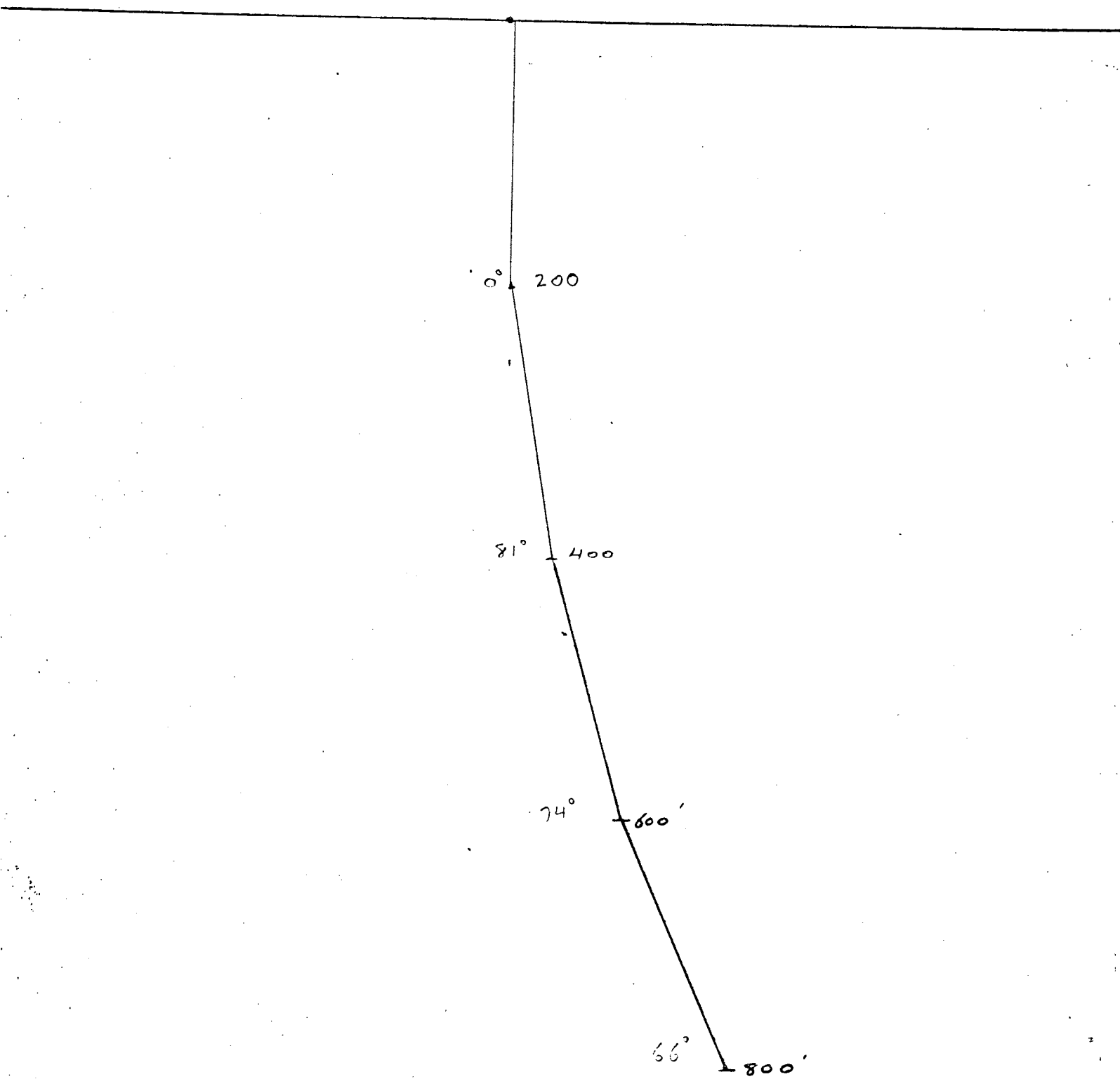
76VE-3

0° 200

81° 400

74° 600'

66° 800'



76 E-3
(S₂ assumed dipping S)
Folding

J. Mortensen
July 23/76
Remarks

Footage	S ₁	S ₂	Remarks
0-86		over burden	
88		64°	S ₂ only
90		50°	" "
100		44°	" "
110		77°	" "
121		65°	" "
130		58	" "
140		51	" "
150		62	" "
160		59	" "
170		71	" "
180		70	" "
190		67	" "
196.5			
200		69	kink fold in S ₂ (prob), $\lambda = 3/4$ " - axis plunges 15° to horizontal strike line. Ax Pl @ 23° to core axis only S ₂
210		65	" "
220		62	" "
230		65	" "
240		61	" "
249		71	" "
260		74	" "
270		63	" "
280		62	" "
294		72	" "
300		73	" "
310		64	" "
320		66	" "
325		7	" "
330		72	Z. very (partly defined) with deformed quartz knot S ₂ only.

Stage	S ₁	S ₂	Folding	Remarks
340		88		S ₂ only.
350		68		" "
360	41	73	S ₁ ∩ S ₂ = 26°	S ₂ > S ₁ ,
370	45	67	S ₁ ∩ S ₂ = 22°	S ₂ > S ₁ ,
380	52	74	S ₁ ∩ S ₂ = 22°	S ₂ > S ₁ ,
390	65	74	S ₁ ∩ S ₂ = 9°	S ₂ > S ₁ ,
400		65		S ₂ only
410		66		S ₂ only.
420		63	small kink folding S ₂ (λ = 1/2) S ₁ prob. present but obscured by - axis @ ~ 22° to horiz strike line. - z-very.	
412			small fold nose in S ₁ .	
430	68(?)	80	S ₂ appears in bundles separated by bands of dominant S ₁ (prob. may be defined S ₂)	
440		74		S ₂ only
455			abundant before below 8' thick yet knot - prob. in S ₁	
456		69		S ₂ only
460		80	much defor of S ₁ (small scale) λ = 1/4 or less - vergence not recognizable.	S ₂ ≅ S ₁
470		72		S ₂ > S ₁ ,
480		75		" "
497		78		" "
499		72		" "
510		71		" "
521		73	- S ₁ very small (λ < 1/4) S ₁ folds	S ₂ > S ₁
532		77		S ₂ > S ₁ .
540		78		S ₂ only.
550		78		S ₂ > S ₁ ,
560		90		S ₂ only
570		73		S ₂ > S ₁

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Sample	S ₁	S ₂	Folding	Remarks
580		78		S ₂ only
590		76		" "
600		90		" "
610		90	- fold nose in S ₁ (2" across) - axis horizontal strike line	
620		86		
630		90	- fold in S ₁ present - $\lambda \approx 3^\circ$ - vergence not det. since S ₂ \sim \perp core axis	
690		85		S ₂ only
650		90 (avg)	small kink fold in S ₂ - $\lambda = 3/4^\circ$ - axis horizontal strike line as R at 46° to core core axis	
660		90 (avg.)		S ₂ only
670		86		S ₂ only
680		82		" "
690		90 (avg)	→ top of Xia zone 2" long.	
700		84		S ₂ only
1-710	structureless dyke-rock			
720		72		S ₂ only
730		91		S ₂ only
740		79		S ₂ only
750		86		" "
760		79		" "
770		84		" "
785			- folding in S ₁ - vergence not determinable \because S ₂ \sim \perp axis	
780		86		S ₂ only
790		78		S ₂ only
800		84		" "
810		90 (avg)		" "
820		90		" "
830		85		" "
840			- much defn of S ₁ & kinkings of S ₂ - vergence not det. \because S ₂ \sim \perp axis	

7GVE-3

Footage	S ₁	S ₂	Folding	Remarks
850		77		S ₂ only
851				
860		78	S-very in S ₁ fold (λ = 4") - poorly developed folding - appears to be a kink in S ₁ -axis horizontal strike line - core is fractured so difficult to be certain whether S ₁ or S ₂ ... orient of axis ⊥	S ₂ >> S ₁
870		90 (avg)		S ₂ >> S ₁
880		85	- much small scale defor of S ₁ - vergence not recognizable. may be E-very.	
890		90	"	"
900		90 ± 5° (S ₂ varies back & forth a lot)		
910		82		S ₂ only
916		84	- abundant E-very in small scale S ₁ folds.	
920		83		S ₂ > S ₁
925				
930		85	- much defor of S ₁ - vergence not det. °° S ₂ ⊥ axis.	S ₂ > S ₁
932				
940		79 (avg)	- fold nose 6" wide at - qtz ? enclivity in ^{core} stone (of fold that is) around carbonaceous and (?) or small graphitic pieces (1/2" thick)	
950		82		S ₂ > S ₁
960		86	- much defor of S ₁ , also kinking of S ₂ (axis ⊥ @ 59° to core axis, fold axis horizontal strike line)	
970		86°	- much defor of S ₁ - very not det.	S ₂ only
980		75		S ₂ = S ₁
990		65	much E-very in S ₁ folds.	S ₂ >> S ₁
1000		79°		S ₂ >> S ₁
1010		85		S ₂ >> S ₁
1020		85		S ₂ only
1030		90 (avg)		" "
1032				
1040		90 (avg)	- small scale folds in S ₁ (λ = 3") - very not det	S ₁ ≈ S ₂

76VE--

Shotage	S ₁	S ₂	Folding	Remarks
1058		90 (avg)		
1062		86		(much defn in S ₁ - very rot. very.)
1070		90 (avg)		S ₂ >> S ₁
1082		85		S ₂ only
1090		86		S ₂ only
1100		90		" "
1110		92 (avg)		" "
1118		78		- local defn & warping of S ₁
1121				- Z-fold in S ₁ fold
1130				→ probably S ₂ only in S ₁ folds.
1140		90 (avg)		
1150		86		Z-fold in S ₁ folds.
1160		90 (avg)		S ₂ only
1170		90 (avg)		S ₂ ≈ S ₁
1180		84		S ₂ > S ₁
1190		83		" "
1195		86		S ₂ >> S ₁
1200				→ small kink in S ₂ - ($\lambda = \frac{1}{4}$) - ax 12 at 53 to core ex.
1210		84		old ex. 11 horizontal strike line
1220		76		S ₂ only
1230		90 (avg)		S ₂ >> S ₁
1236		85		" "
		90 (avg)		- much defn of S ₁ - small scale
				" " " S ₁ & S ₂ around porphyroblasts

End of Hole