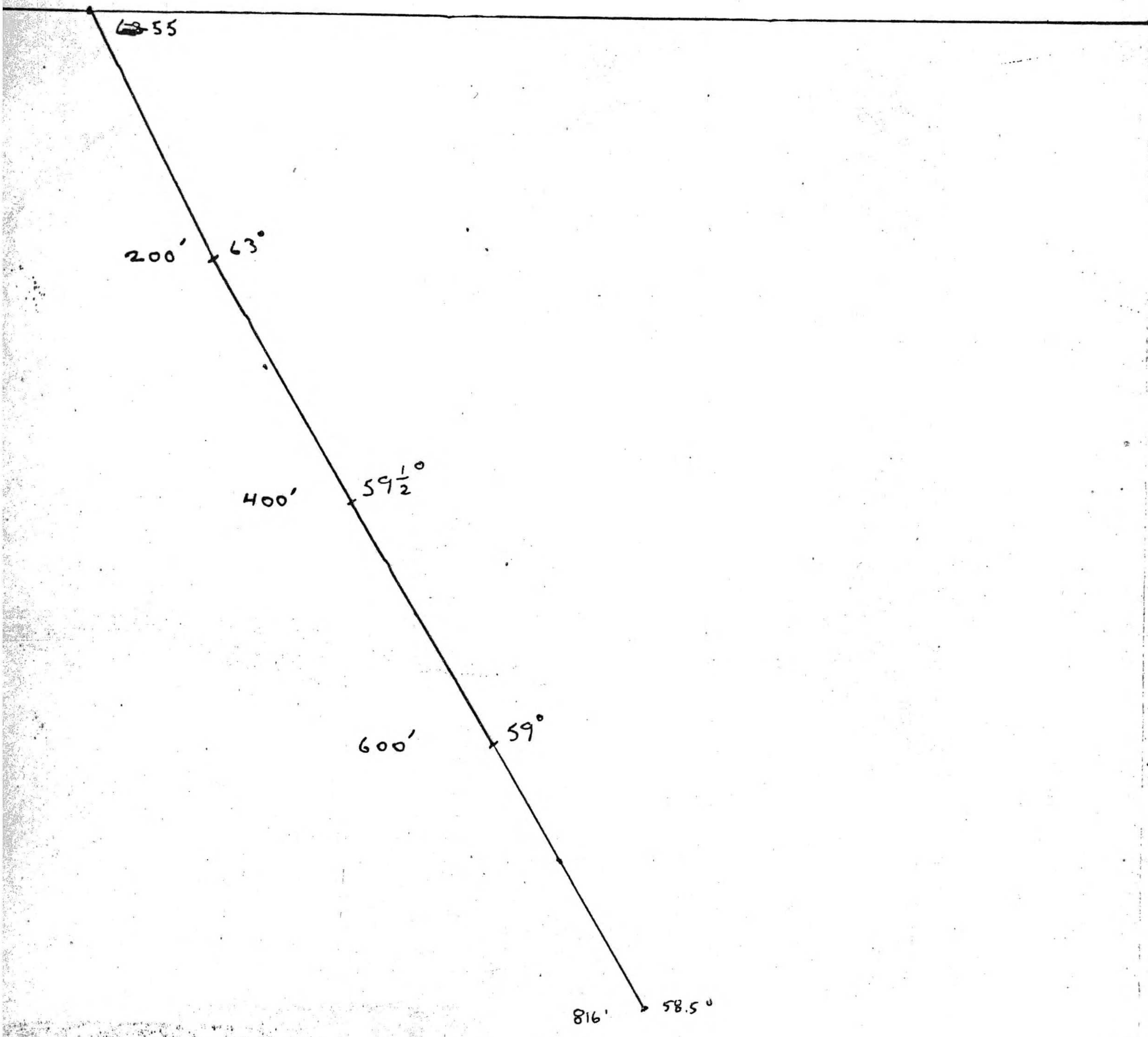
016183

76VM-32



Jack Miller

Footage	Py	Po	Pb	Zn	Habit
17.0-17.9		trace			elongate blebs in qtz
.4-20.5		trace			fine veinlets in schist sub // S_2
2.5-22.6		trace			SOS
4.3-24.6	trace				small < 1mm blebs in biotite rich band near qtz band.
4.0		trace			2mm bleb at top of qtz.
41.0	trace				smeared 1.2 cm blebs on fracture
2.0-44.6		.2%			fine veinlets sub // S_2
8.6-58.9		trace			SOS
3.1-63.3	trace	.3%			elongate blebs at base of qtz
6-64		trace			fine veinlets in schist sub // S_2
58.5	.1%				3mm blebs slightly elongate in schist
72.4	trace				2mm bleb elongate sub // S_2 in qtz
5.0-75.2	trace	.8%			elongate blebs in qtz
8.9-79		trace			SOS
2.-82.1		trace			SOS.
7.(		trace			elongate blebs on fracture.
1.8		trace			elongate blebs at top of qtz
0		.1%			assoc with chlorite SOS ~~from~~ near top ~~to~~ of qtz
8.8		.6%			blebs conc. near top of qtz
21.5		.1%			SOS and in center.
24.4		trace			elongate bleb in qtz
-141.5		trace to .1%			elongate blebs at top of qtz
0		trace			fine stringers sub // S_2 in schist (calc-silicate ?)
4.9		trace			elongate blebs at ~~top~~ base of qtz
6.5		1.5%			2mm bands sub // S_2
74		trace			bleb near base of qtz
7		trace			elongate bleb in schist
.8-182.3		.1%			blebs in schist below qtz band.
.9	trace	trace			elongate blebs at base of qtz
87		4%			large bleb near qtz band at base

Footage	Py	Po	Pb	Zn	Habit
88.2		.1%			elongate blebs near base of qtz. <1mm
95.8-196	.2%				elongate blebs in schist
200		trace			blebs in qtz, ~1mm
					SOS
201.2	trace				
202		trace			elongate irregular bleb in schist
204.-204.3		.1%			fine veinlets in schist at base of qtz band.
205.6-206		trace to .8%			band in schist in qtz rich area. sub // S_2
214.4		1.1%			elongate blebs at base of qtz sub // S_2
218.4	trace				fine veinlets in qtz
232-232.4	.2%	42%			2cm blebs of Po in qtz } closely associated
					1mm blebs in qtz } with one another
232.6		trace			bleb in qtz
241-241.4		.7%			2mm blebs in qtz
249-249.4	trace	trace			blebs in qtz
257		.4%			SOS
253		.1%			SOS
264-264.4	trace	trace to 1.1%			SOS
258.6-258.8		.3%			elongate 1mm blebs near top of qtz.
261		trace			SOS
286.4-287.4		trace			very fine veinlets sub // S_2 in schist
291.3-291.5		.3%			fine veinlets in qtz assoc. with chlorite near top of band.
292.3-292.7		.1%			SOS
309.5		trace			SOS
317		trace			SOS
313.4-313.8		.2%			1mm blebs in qtz.
314.7-314.8		.1%			1mm blebs in qtz.
332					fine veinlets in qtz
336	trace				2mm blebs in qtz
					SOS
337.3	trace	.1%			also fine veinlets at top of qtz
361.7-361.8		trace			fine veinlets sub // S_2 in schist near qtz band.
363		trace			SOS

Footage	Py	Po	Pb	Zn	Habit
367.4		trace			elongate < 1mm bleb in qtz
369		trace			SOS
3736-373.8		.4%			elongate blebs in qtz (3mm)
377		trace			SOS (1mm)
379		trace			SOS
393.3		.4%			SOS
02.8		.1%			blebs near top of qtz band.
03.8		trace			blebs in qtz
05.2	trace	trace			very fine veinlets at top of qtz sub // S_2
09.1		trace			small blebs and veinlets at top of qtz (not).
12.6		trace			smeared 8mm blebs on fracture
14	.1%				< 1mm cubes in schist
22.3	trace				small blebs in schist
23.2	trace	~~trace~~			1mm band sub // S_2 ~~schist~~ in schist
31.		.1%			small blebs in qtz.
42.8		trace			SOS
44.6		trace			very fine stringers at top of qtz
45		trace			blebs in qtz
466-447		.2%			fine veinlets at base of qtz band in schist
71.2		trace			elongate blebs sub // S_2 in places
81.3		.1%			elongate blebs at base of qtz in schist
88.8		trace			elongate blebs in schist near qtz bands.
02.1		trace			SOS
03.7		trace			elongate blebs in qtz band
17.7		.4%			blebs smeared in fracture
23	.1%				1mm blebs in qtz, some well formed cubes
34		.1%			1mm cubes making up blebs in qtz filled fracture.
39-539.4					blebs up to 1.3 cm in qtz band.
24-542.3	trace	1.7%			elongate bleb in qtz
3.3		trace			

Footage	Py	Po	Pb	Zn	Habit
553.3	.2%				1mm cubes in gouge.
557.	trace				1mm blebs in schist
574.7					moderately magnetic
580.3 - 580.6		.2%			fine veinlets at top of qtz
588.3	trace				very fine cubes in qtz filled fracture.
591 - 591.6	.2%	.4%			band and veinlets sub // Sz in schist and qtz
599	.1%				7mm qtz blebs in brecciated qtz rich greenstone.
603.4	trace to .1%				5mm bleb at top of qtz band.
608	trace				2mm bleb almost ⊥ Sz
614.4 - 614.7		.2%			2mm blebs (max.) in base and top of qtz, slightly elongate
618.3	.1%				1mm band // Sz in schist
624 - 624.2	.2%	.8%			1mm cubes of Py in schist
640.8 - 641		.2%			inreg veinlets and blebs random orientation in schist
					1mm blebs in qtz filled fracture.
649.6		1.0%			1cm bleb in qtz
654.3	.4%				inreg blebs in qtz band.
656		1.1%			elong. blebs at qtz base
662.6 - 663.7	trace to .6%				inreg. veinlets in qtz forming bands
666.6	trace				inreg bleb in qtz
670 - 671	trace to 1.2%				inreg blebs and cubes up to 2mm in gouge
675.8					inreg blebs at top of qtz, slightly elongate
685	.2%				cubes in schist ~1mm
690.8	.1%				1cm bleb in qtz band.
692.	.4%				cubes (1mm) & 8mm blebs in gouge
702		trace			inreg blebs in greenstone
718 - 722.2	.1%	.1% to trace			blebs, inreg. in qtz.
731	.2%				1mm blebs in qtz band slightly elongate // Sz
741.2		trace			very fine veinlets sub // Sz in schist
741.2 - 741.7		.1%			inreg. veinlets in schist
743.4 - 743.6		.2%			8mm blebs in greenstone
764.5		trace			fine veinlets in schist at top & bottom of qtz band.

Footage	Py	Po	Pb	Zn	Habit
770.7	trace				inreg. blebs at top of qtz band.
781		.2%			inreg elong. blebs in qtz
					SOS
792		trace			
801	trace				fine stringers in qtz band.
815	trace	trace			inreg elongate blebs in qtz

76 VM-2
Mortensen
June 12/76

Footage	S_1	S_2	Folding	Axis	Remarks
15'		85°	- Z-vergence in S_1		start of hole
20'		83°			$S_2 > S_1$
26'		81°	- S verg. in qtz rich band		(S_1)
30		79°			$S_2 > S_1$
40		81°			$S_2 >> S_1$
43.5		76°	Z vergence in S_1 fold		
57.		81°			
57.5-60		81°	- complex minor folding in S_1 separated by bands of pervasive S_2		$S_1 \cong S_2$
70		83°			$S_2 > S_1$
80		84°	- much deform of schistosity around andalusite blasts		$S_2 = S_1$
90		(avg) 90°	- " " " "		
92-100			much complex folding in S_1 between bands of dominant S_2. vergence not recognizable $S_2 \perp$ axis		
100		90°			
105	68°	86°	- $S_1 \cong S_2$ — two cleavages recognizable truncating muscovite rich bands.		

76 UM-2
Mortensen
June 12/76

Footage	S_1	S_2	Folding	Axis	Remarks
110		86°			
107-113					$S_1 = S_2$
120		81°			pervasive S_2
125.5-127					mud seam
128.5-129					" "
130		59°			$S_2 > S_1$ much distortion of
140					S_2(?) around andalusite
					porphyroblasts.
147-154					mud seam - muscovite present
157		57°			strong S_2
165		77°			$S_2 \gg S_1$
175		79°			" " - distortion of S_2 around
185		90°	$S_2 \gg S_1$		andalusite porphyroblasts
201		84°			6" wide mud seam $\perp$ S_2
210		90°			
220		87°			$S_2 \gg S_1$
228		90			" "
240		88°			$S_2 > S_1$
243.5, 293.5					narrow (< 1") mud seams $\parallel S_2$
245.5					6" wide mud seam
248.5					2" " " "
250		86°	S_2 (?) vergence in S_1 fold ($\lambda < 1$")		→ may be Z vergence
					$S_2 \not\perp$ axis
260		85°			$S_2 \gg S_1$
270		82°			" " "
280		85°			mud seam $\parallel S_2$
290		90°			
294			complex minor folding in S_1		$S_1 = S_2$
			vergence not recognizable		$S_2 \not\perp$ axis
300		85°			$S_2 \gg S_1$
310		86°			" " "

76 VM-2
Mortensen
June 12/78

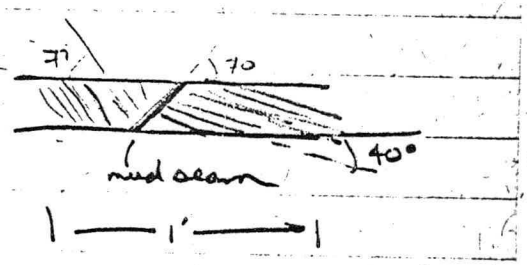
Footage	S_1	S_2	Folding	Axis	Remarks
320		90			- much defm of S_2 (?) around
322-323					Lge. andalusite porphyroblasts - mud seam
325-326					" "
325.5		78°	- fold nose - axis ~ ‖ strike line of S_2		
330		77°			- mud seam 1" wide $S_2 > S_1$
340		56	→ (S_2 may be S_1?)		- mud seam, 1" wide
349-355			- core badly sheared, fractured, much gouge present - (fold nose?)		
355-356					$S_1 > S_2$ - much complex small scale defm of S_1
356		81°			$S_2 > S_1$
357-358					mud seam in muscovite rich zone.
360		79°			$S_2 \geq S_1$
362					
368.5			Z - vergence in folded qtz knot →		$S_1 > S_2$ from 360-363
370		86°			4" mud seam ‖ S_1
380		90°	- complex minor folding in S_1 - vergence not recognizable. S_2 ~ ‖ axis		
390		86°			$S_2 >> S_1$
400'		78°			$S_2 = S_1$
403		86°			$S_2 > S_1$

Foster / Mortensen
June 11 & 12 / 76

D6VM-2

Footage	S_1	S_2	Folding	Axis	Remarks
408		88			pervasive S_2
16		68			"
26		64			"
36	sub ∥	66			acute ∠ betw S_1 & S_2 ≅ 10°
42			S_1? or just qtz knot upsetting S_2		
46		82°			
58		57	S vergence		
61		25°	← probably S_1		
464		69°	Z vergence		
495		85°			
490			Z vergence		
505		86°			
515 → 508'		79°	complex minor folding in S_1 in garnet lens. - vergence not recognizable		
519.5		79°			1" mud seam ∥ S_2
525.	62°	81°	Z-vergence in small fold in S_1		S_1 sub ∥ to S_2
35-541	51	80°	fold nose (?)		well sheared, much gouge present throughout. $S_1 >> S_2$
544			fold nose in S_1 over 5" long / axis ∥ strike of S_2		
545	12°				
550-564'			fold nose?		highly sheared & broken - mud seam @ 558.5 - 560'
559		58°			
564		72°			
560		75°			
573.5			fold nose in S_1	strike = strike of S_2 plunging ~5° from S_2 strike	
576-577					mud seam
577		72°			
583	61°	77°			pervasive S_2
590		71			$S_2 >> S_1$

Tour-2
Masterson
June 12/76

Loc.	S_1	S_2	Folding	Axis	Remarks.
01-602					much shearing w mud seams
11	61	83			S_1 ≒ S_2 subparallel.
16		83			$S_2 >> S_1$
621		46	→ may be S_1		
627		75			$S_2 >> S_1$
632		78			" " "
642		82			$S_2 > S_1$
650		67 (?)	→ may be S_1 (?)		
659		81°	S-vergence in S_1 (λ = 4")		
59-660.5			fold nose → (?)		mud seam → fold nose
661	48°	72°			- $S_1 >> S_2$ - S_2 defined by
664			S-vergence		steeper ∥ cleavage - pervasive S_1
670		78°			pervasive S_2
671.5-674		87°			much fracturing, shearing, gouge present
680		78°	→		
687-690			- much shearing & fracturing, rotated fragments of schist to 2" dia in muddy gouge mass.		
691		72°	- mud seam → gouge on fault. boundary between S_2 (72°) ≒ S_1 (40°) (?)		
692-695			- much fracturing, shearing, gouge present → fold nose (?)		
697		85°			
706.5			- S-vergence in small fold (λ ≒ 3") in S_1 — quartz.		
07.5	40°	→	may be S_2 (?)		
08-		77°			½" mud seam
11.5					" " "
712		84°			
709.5			S-vergence in small fold in qtz lens - axis - trend = strike of S_2 plunge @ 30° to strike line of S_2		

76-VM-2
Mortensen
June 12/76

Footage	S_1	S_2	Folding	Axis	Remarks.
6		70			pervasive S_2
719					5" wide mud seam
725		76°			$S_2 >> S_1$
735		70°			" "
740		77°			
746		61°	→ strong foliat (in (banding) in		qrnst. lense
750	/	61°	" " "	"	" "
755		55°	" "	"	" " "
760		56°	" "	"	" " "
765		70°			$S_2 >> S_1$
770		73°			"
772.5					1" wide mud seam
780		69°			$S_2 >> S_1$
790	68	79			S_2 ants // S_1
799.5			- S vergence in minor fold in qtz knot (~λ ≅ ½")		
800		65	- pervasive banding foliation		in qrnst.
805		80°			$S_2 >> S_1$
810		68°			"
816		79°			"