

## Diagrams for

May 1985

GSA talk

017012

TIE FAULT

ANVIL BATHOLITH

foliations in 79

ANVIL BATHOLITH

8592	lytes 160/17E ?	schist 70/23 NW
8594	020/20W ?	
8595	015/38E ?	
8596	010/50W ?	
8597	130/20NE ?	
8598	038/14N ?	
8599	065/15 SE	
9500	105/15 S	
9084	145/15-20 NE	
9086	085/16S	DSJ
9087	135/18 SW	
9088	103/15 S	microshears 093/43 S
		slickensides 178/40
9089	095/12-20 S	
9090	080/10 S	
9091	084/52 S in IC	heaved?
9093	097/35 N (poor)	
9094	130/20 SW	DSJ
9094	160/34 W	
9095	050/36 SE	
9096	077/10 SE	
9097	050/10-20 SE	
9401	000/67 W	
9410	060/24 NW	BVH
9415	177/82 W ?	BVH
9418	140/53 W ?	BVH
9419	011/65 E	
9431	013/37 E	
9434	165/26 W	
9435	174/27 W	
9436	106/22 S	
9437	124/26 SW	
9440	075/10 S	
9442	103/36 S	
9444	153/20 SW	
8599	065/15 SE	
9500	105/15 S	

9501	010/22E	
9502	175/31W	
9503	115/28S	
9504	055/17N	090/40S
		lim 165/35
9505	140/70S	
9507	165/17E	
9508	160/64E	

47  
23  
24

X 116/235W  
36.6 8.4  
72 1539 71

109/47  
18.4 8.5  
939 73

176/37  
14.5 8.8  
212 IN 78

STATION

QTE-RIBBON (S)

SHEAR (C)

84-2	gr	074/09S	173/88W	30°	082/39S	177/40S
84-4	"	150/15S	175/76E	-36°	100/44S	174/34S
84-5	"	132/17S	022/84E	20°	120/37S	
84-6	"	148/145W	165/90	33°		
		050/09SE	148/90E	217°		
	best	082/15S	035/14SE		075/49SE	165/50
			065/16SE			
			100/14S			
84-7		060/26SE	148/90	17°	060/38SE	325/40
					075/50SE	
84-8		098/27S	000/86E	27°	093/55S	180/51S
84-9		104/28S	019/88W	26°	107/55S	
		094/27S	005/90	19°	095/47S	179
		103/25S	029/82W	31°	114/56S	
		103/24S	004/86E	24°	097/48S	
84-10		110/25S	176/79E	29°	095/53S	
<del>84-11</del>		<del>125/30S</del>	<del>015/79E</del>	<del>18°</del>	110/59S	
84-11		125/30S	015/79E	18°	115/48S	
84-12		098/24S	176/89E	22°	087/47S	
84-13		114/24S	160/73E	31°	085/51S	
84-14		110/30S	166/72E	33°	087/60S	
84-15		124/22S	036/89W	22°	125/44S	
		160/20S	012/73E	41°	120/45S	
					115/54S	180/50
		133/31S				
		135/22S				
		133/32S				
84-17		000/20W	017/71E	35°	128/45SW	
84-18		135/15SW				
84-19		142/22SW				
		148/24SW				
		155/24SW				
		140/25SW				
84-20		100/09S				
84-21		115/24SW				
84-23		170/15W	011/76E	19°	130/28SW	
		155/34W	138/57E	24°	112/36S	155/25
84-25		045/15NW				

STATION	QTZ - RIBBON (S)	SHEAR (C)	LIN
84-28	155/20 SW 034/80SE	27° 135/45 SW	180/37
84-29	095/23 S 028/81W	27° 110/50 S	170/24
84-30	148/32 SW 006/63W	30° 117/54 S	
	135/27 SW		
84-31	135/39 SW 140/54E	23° 107/51 S	
	145/37 SW		
84-32	125/15 SW 041/88 NW	37° 130/52 SW	
84-33	157/28 SW 014/67E	38° 120/58 SW	
84-34	138/29 SW 034/83 S	23° 130/52 SW	
84-35	136/23 SW <del>154/77E</del>		
84-36	137/16 SW		
84-37	135/24 SW 154/67 NE	20° 100/36 SW	
84-38	116/27 S 020/87E	25° 112/53 S	
84-39	110/100 W 039/87 NW	35° 125/44 S	160/23
84-40	095/25 S 032/78 NW	22° 110/45 S	
84-41	135/25 SW 013/76E	27° 115/50 S	168/44
84-42	135/34 SW 018/73E	18° 123/50 SW	160/34
84-43	123/33 S 058/75 N	26° 137/57 S	
84-44	145/25 SW 021/75 SE	26° 125/48 S	195/42
84-45	112/20 S 022/90	20° 112/40 S	164/28 S
84-46	142/21 S 004/74E	26° 112/43 S	170/40 S
47	158/30 S 032/72 SE	23° 138/50 SW	
48	140/25 SW 016/76E	24° 120/47 SW	
49	120/20 SW 026/89E	26° 117/47 S	
50	147/20 SW 021/78E	30° 122/47 SW	
51	107/26 S 014/89E	30° 105/57 S	
52	120/30 S <del>011</del>		
53	148/29 SW 042/81E	26° 138/55 SW	
54	145/20 SW 008/75E	31° 113/46 S	
	155/26 SW <del>174/60E</del>		
55	150/32 SW 174/60E	20° 121/43 SW	
	130/17 SW 179/72E	24° 107/48 SW	
56	138/34 SW 178/63E	25° 112/52 S	160/40
84-83	118/45 S 040/79 N	26° 126/72 SW	
84	140/30 SW 026/77E	31° 125/59 SW	
85	130/24 SW 018/81E	21° 118/44 SW	210/45
87	120/26 SW 035/85 NW	16° 125/42 SW	210/45
88	155/14 W 045/85 SE	29° 140/43 W	

STATION \_\_\_\_\_ Q.T2-RIBBON (S) \_\_\_\_\_ SHEAR (C) \_\_\_\_\_ LIN \_\_\_\_\_

84-89 \_\_\_\_\_ 146/26 SW \_\_\_\_\_

84-169 - schist 010/30 W 162/63 E 48° 105/43 S 190/43

-172 gr 112/37 S ~~112/37 S~~

84-188 gr 165/09 W 051/87 SE 28° 145/37 SW 160/33

-194 gr 070/37 S 178/77 W 23° 080/60 S  
055/30 SE

-195 063/20 SE 031/73 NW 27° 100/40 S 165/40

098/12 S 10/89 W 22° 100/34 S 180/35

-196 075/15 S 164/90 17° 075/32 S

197 160/20 SW 166/70 E 30° 105/37 S

198 100/22 S

199 130/12 S

200 160/16 W

201 013/32 W

137/24 SW 328/00

202 012/23 W 315/12

203 015/28 W 340/12

84-324 070/23 S 175/83 W 44° 083/67 S

-327 095/27 S 018/83 W 22° 102/48 S

087/20 S 010/85 W 27° 095/47 S

329 089/13 S 008/88 W 23° 095/36 S

83-18 190/35

180/33

83-19 115/42 S 016/82 E 13° 292/55 S 182/47

83-20 110/38 SW 195/38

83-27 113/24 S

28 145/14 SW 172/15

29 092/23 S 164/83 E 12° 085/35 S 175/35

30 100/10 S 166/86 E 21° 083/30 S 165/30

38 135/21 SW

(4)

23-39 S C h/w  
095/105

40 095/25S 158/70E 37° 075/60S

# *FAULT TIMING*

---

*POST-*

---

**D2 FOLDS**  
(+ EARLY D2 FOLIATION)

**D2 METAMORPHISM**

**GRANITE INTRUSION**  
(100 MA)

*SYN-*

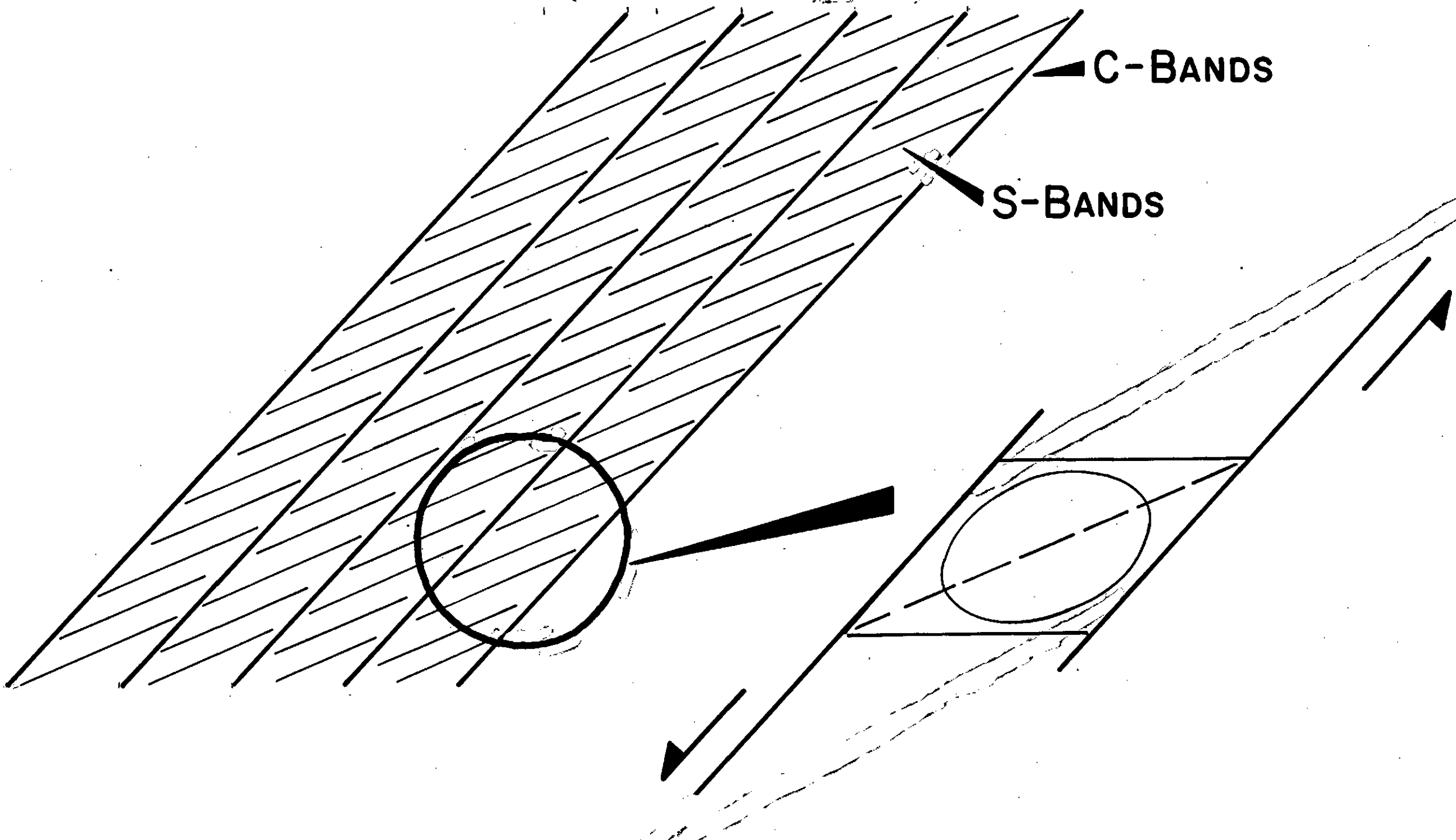
---

**D2 FOLIATION (LATE)**

**GRANITE INTRUSION**  
(PORPHYRY DYKES  
IN FAULT ZONE)

SW

NE

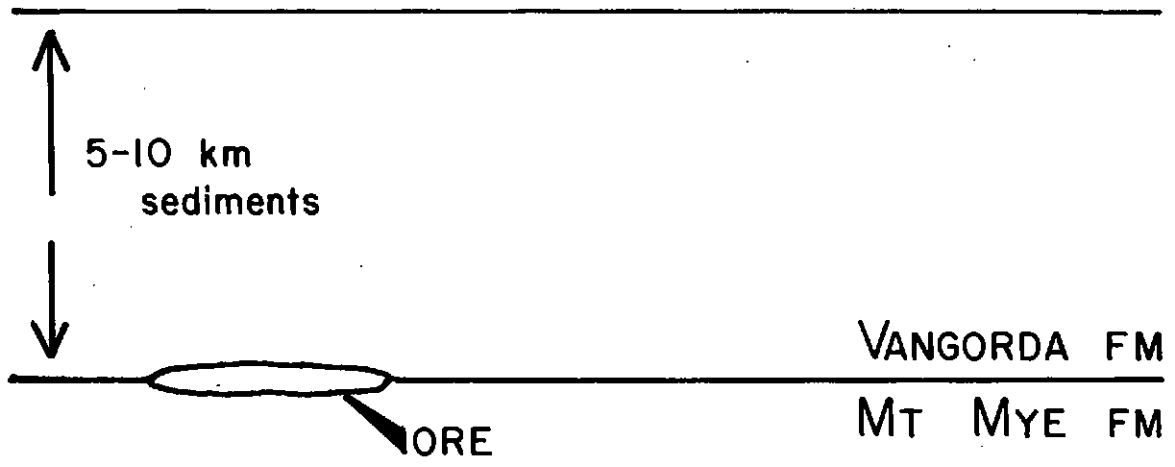


C-BANDS

S-BANDS

SW

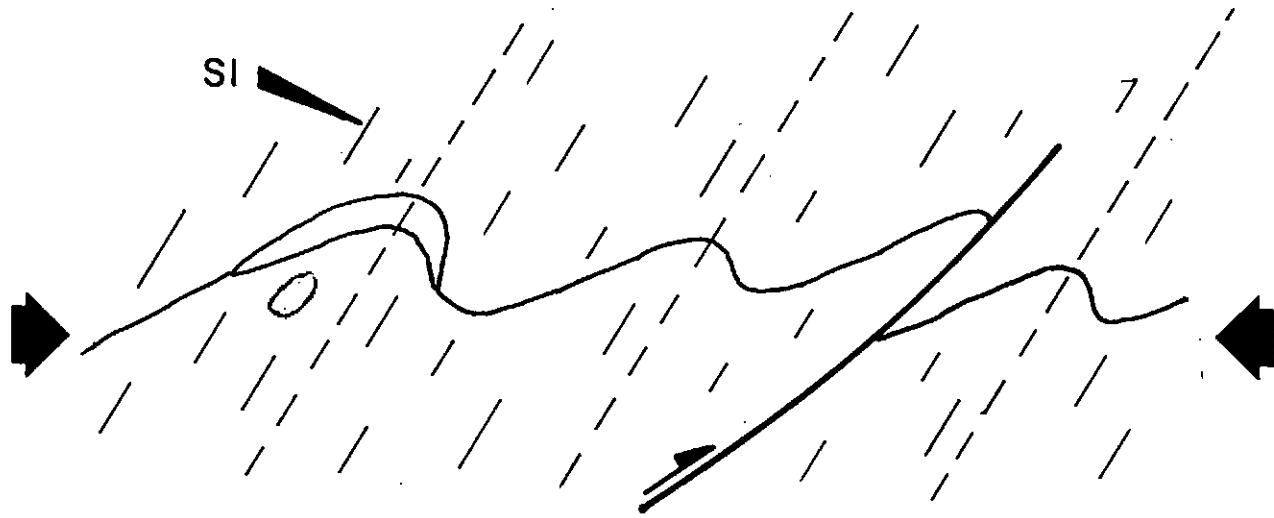
NE



PRE-DI DEFORMATION

SW

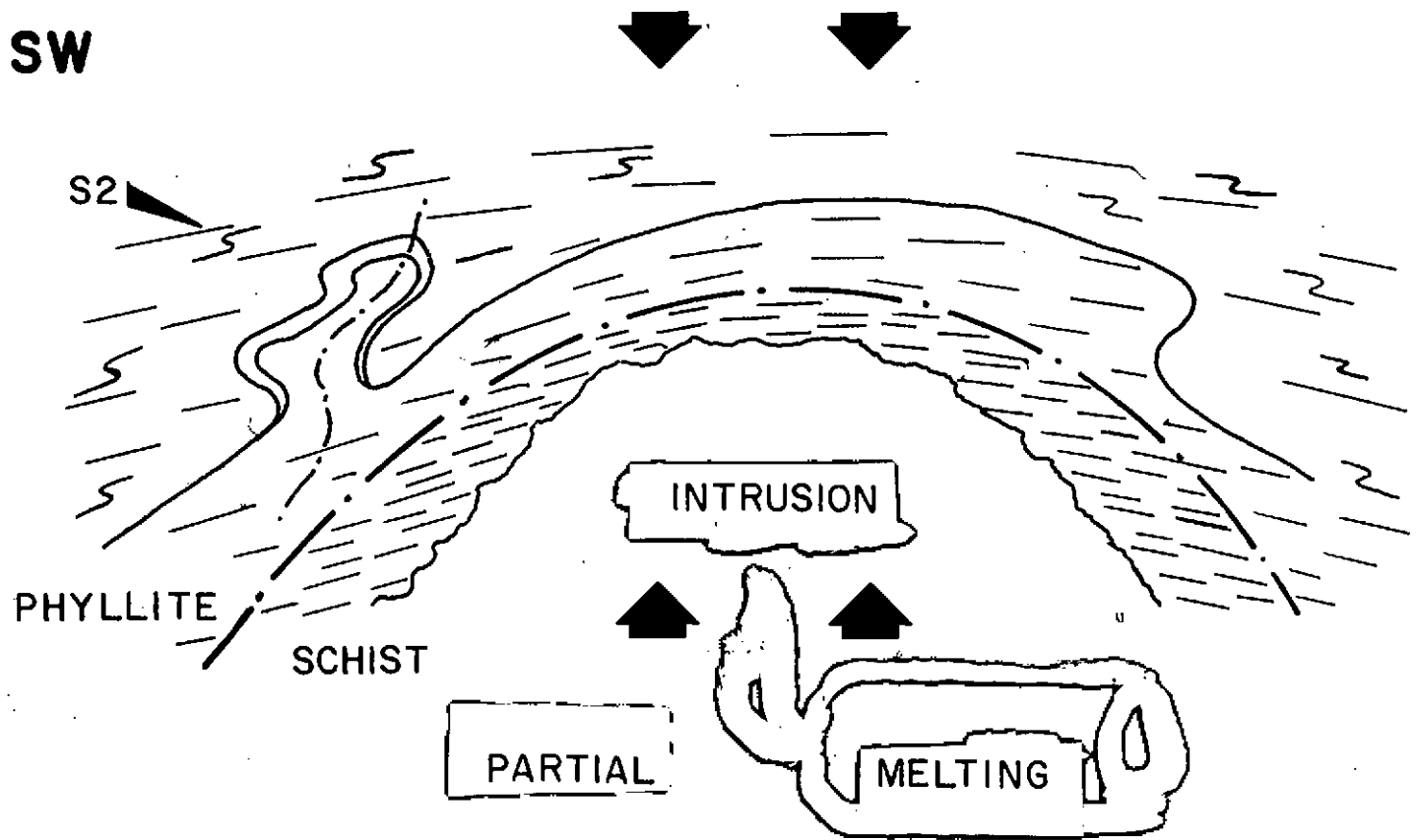
NE



Post-D1 DEFORMATION

SW

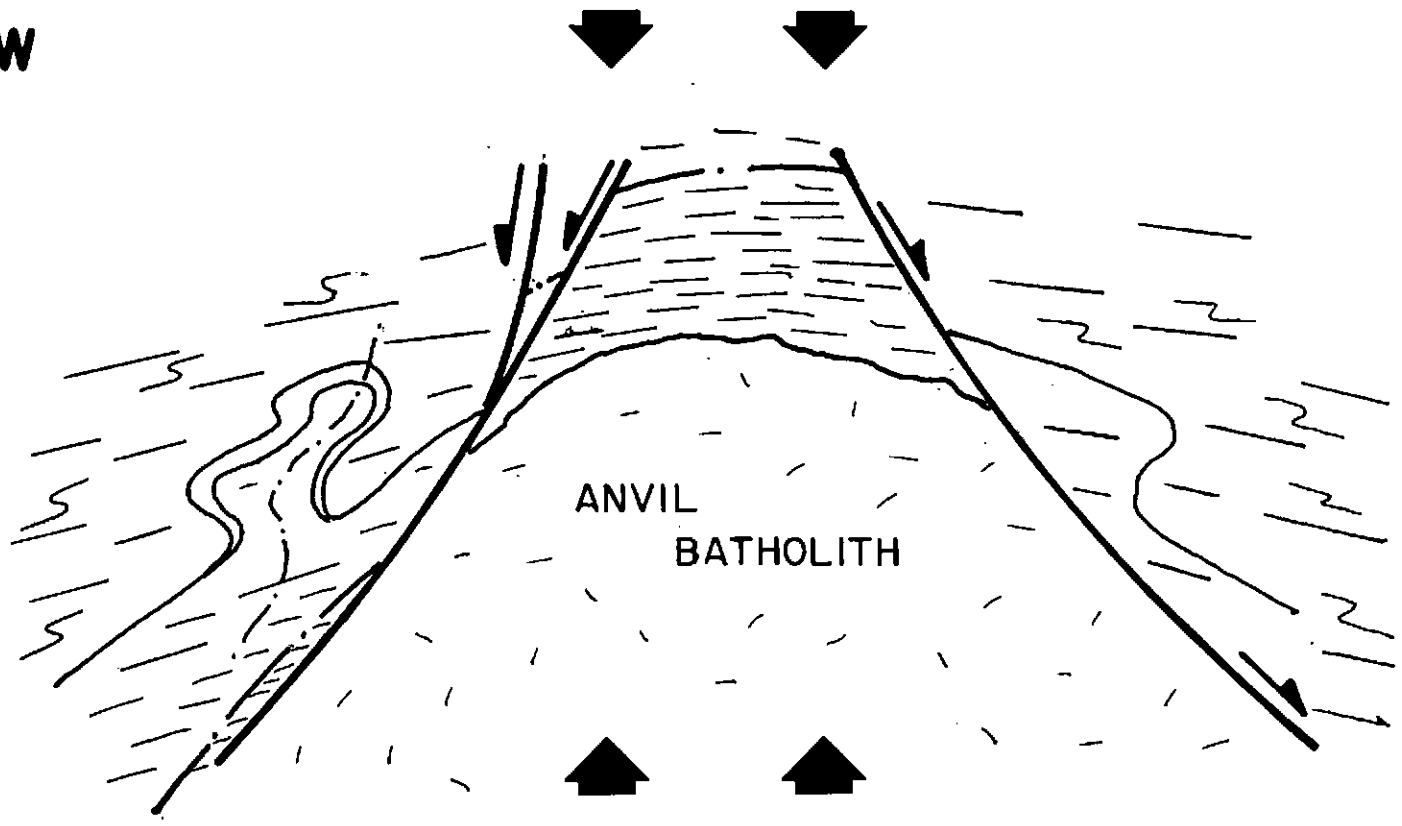
NE



EARLY D2 DEFORMATION

SW

NE



LATE D2 DEFORMATION

# *FAULT      TIMING*

---

---

## *POST-*

---

**D2 FOLDS**  
(+ EARLY D2 FOLIATION)

**D2 METAMORPHISM**

**GRANITE INTRUSION**  
(100 MA)

## *SYN-*

---

**D2 FOLIATION (LATE)**

**GRANITE INTRUSION**  
(PORPHYRY DYKES  
IN FAULT ZONE)

# *FAULT*

# *TIMING*

---

## *POST-*

---

D2 FOLDS

D2 METAMORPHISM

GRANITE INTRUSION  
(100 Ma)

---

## *SYN-*

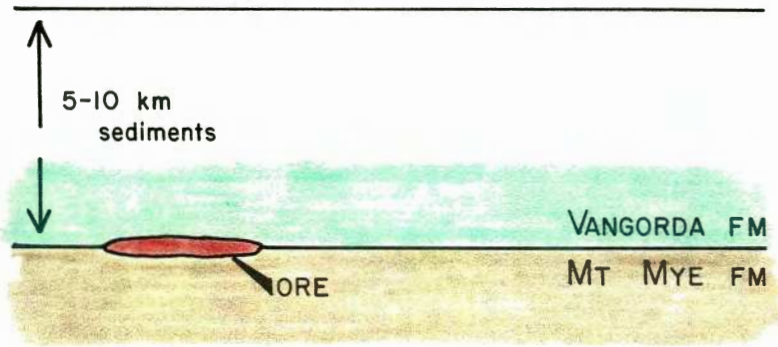
---

D2 FOLIATION

GRANITE INTRUSION  
(PORPHYRY DYKES  
IN FAULT ZONE)

SW

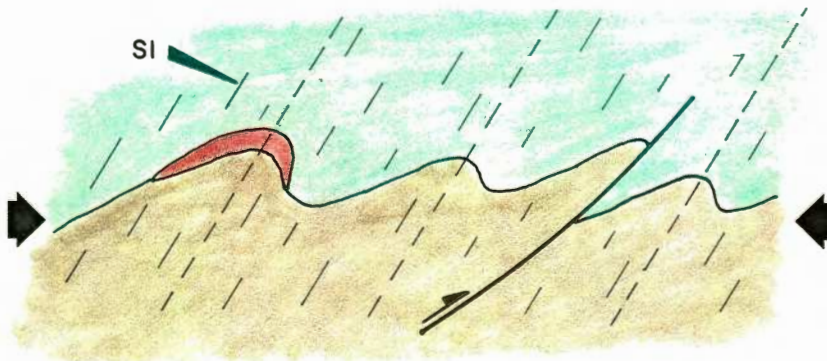
NE



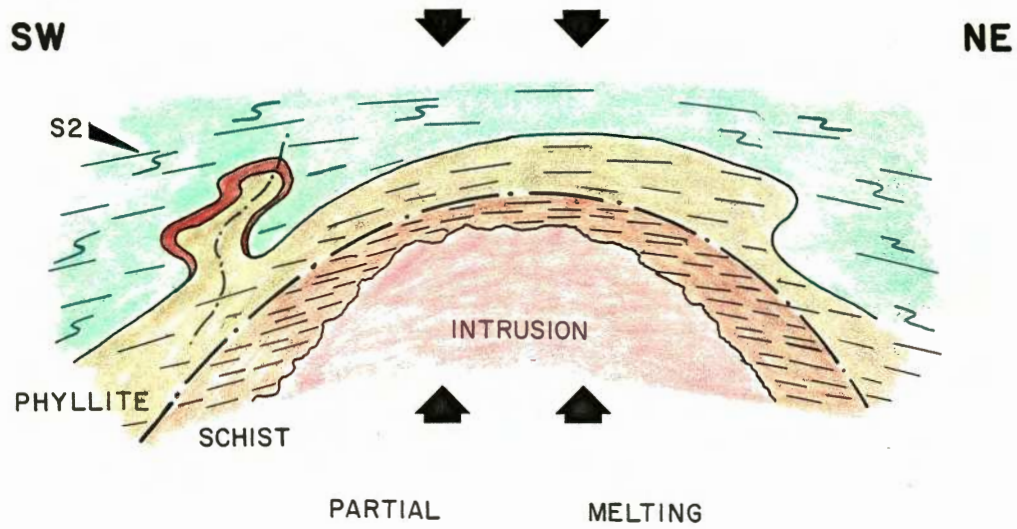
PRE-DI DEFORMATION

SW

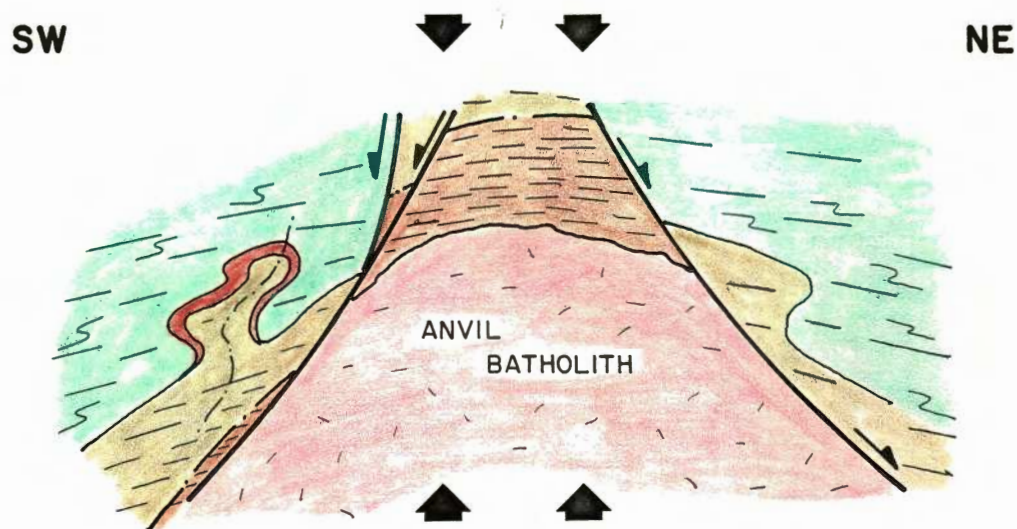
NE

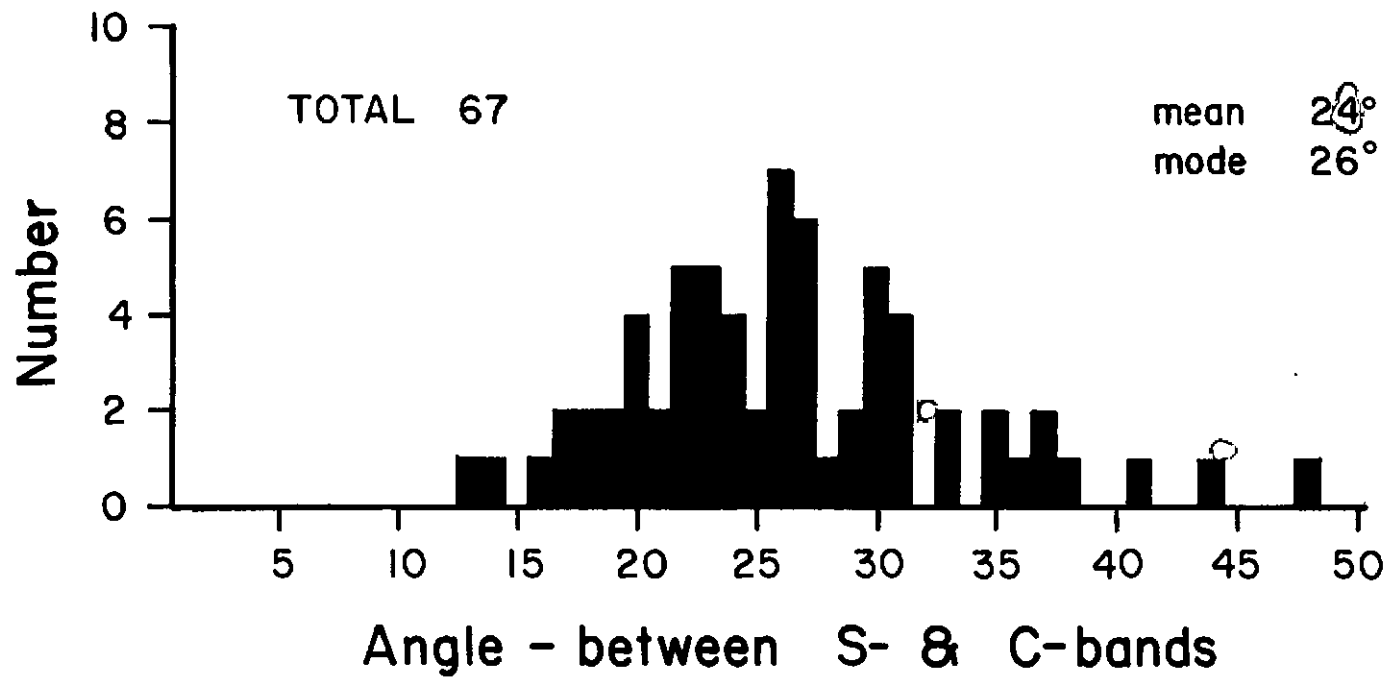


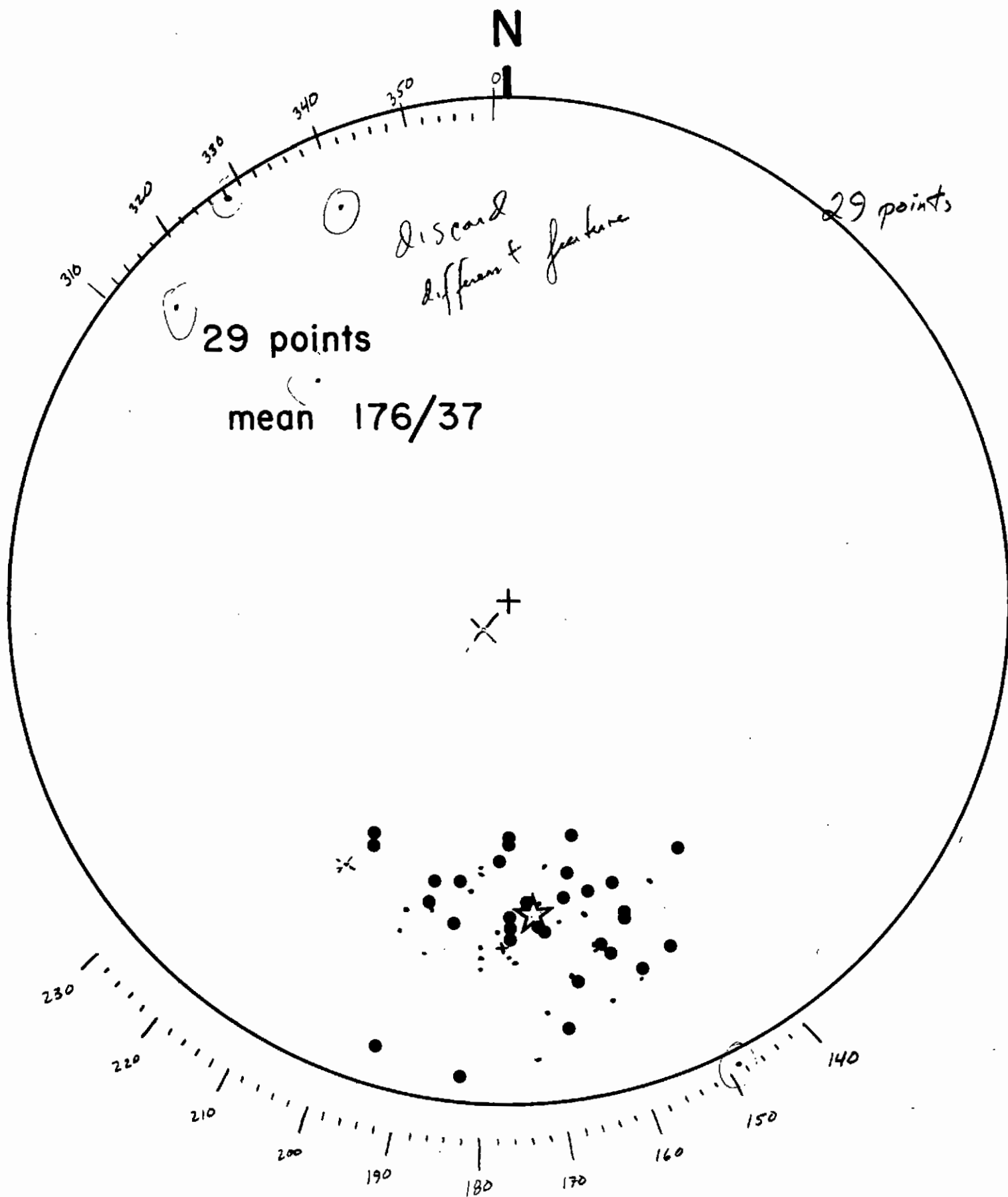
POST-DI DEFORMATION



EARLY D2 DEFORMATION







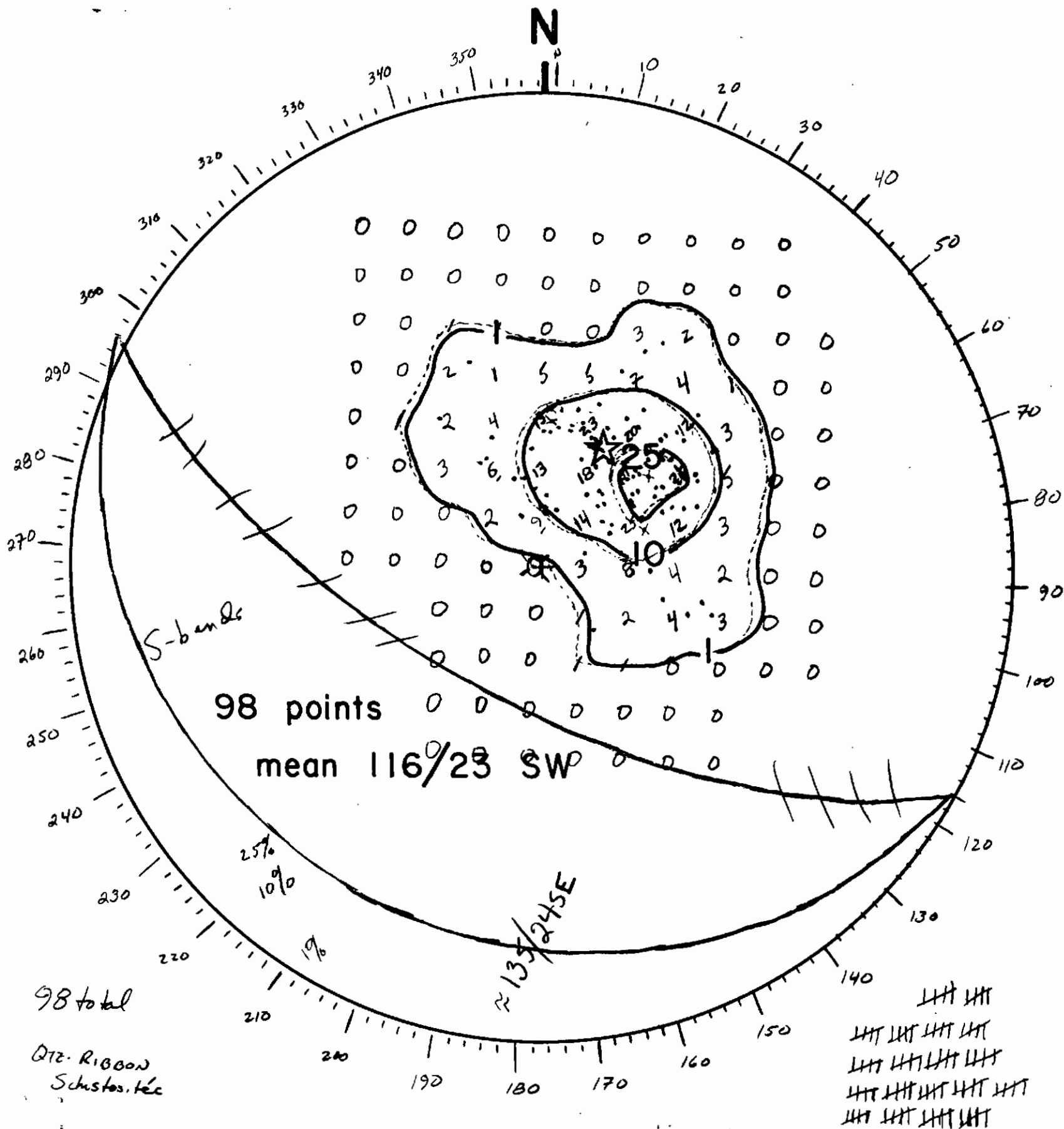
29 points

mean 176/37

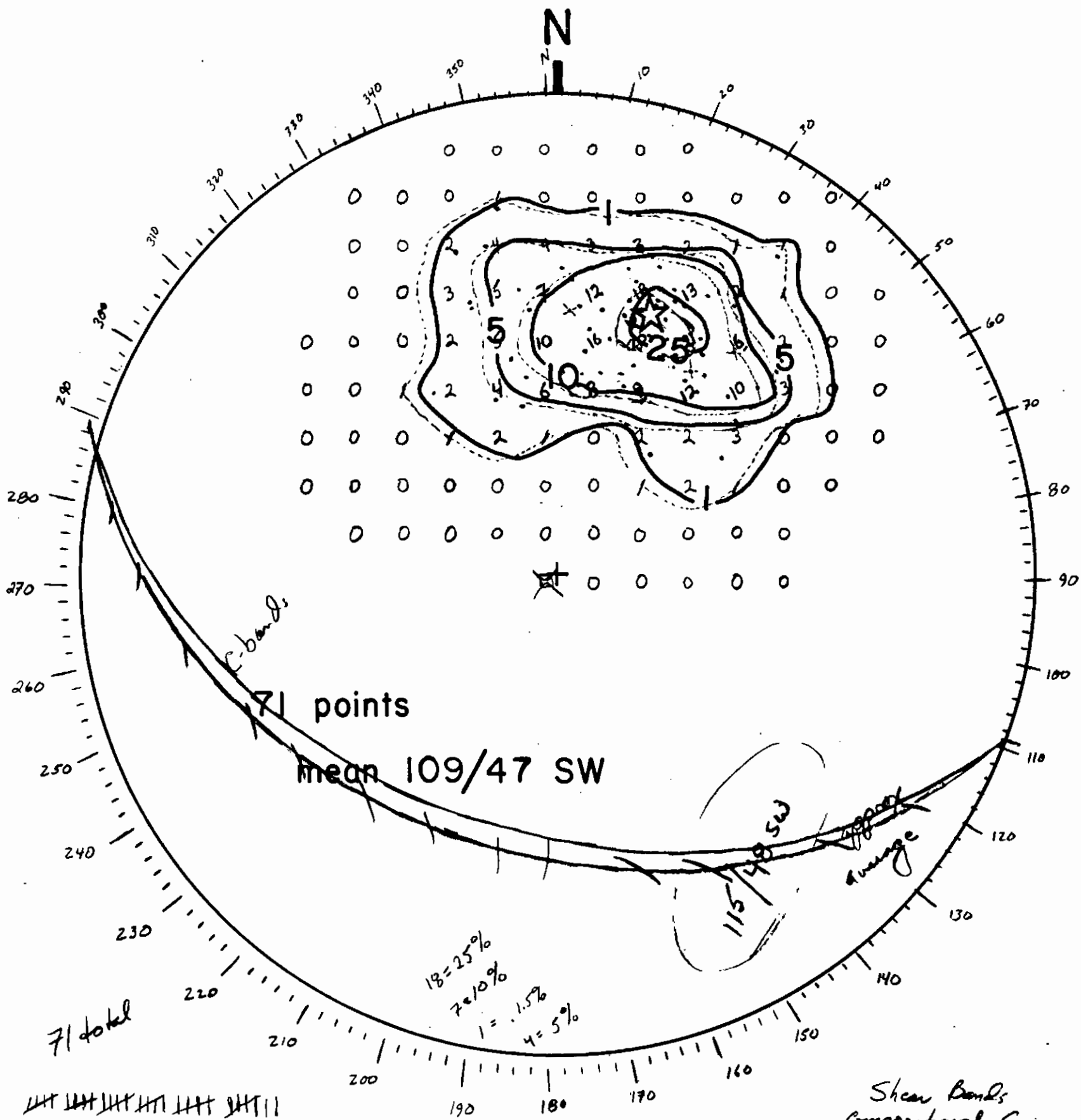
discard  
different features

29 points

Fault Lineation



S-Bands



C-Bands

