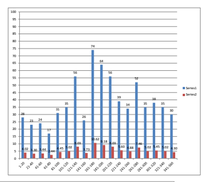
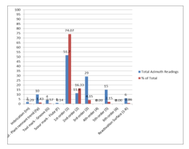
Paleoseismic Bounding Surface Azimuth Readings of Sub-Paleos Type (-) and Erosional Structures

Location	Grid Reference (OS)	Latitude and Longitude	Elevation (ft)	Outcrop Number	Bounding Surface Order	Bounding Surface Azimuth Range (°)	Ssrx 0.005-0.05 m (Sr)	Stsx <1.5 m (St)	Stmx 1.5-3.0 m (St)	Stlx >3.0 m (St)	Sl-hpx <2.0 m (Sp)	Sl-hpx >2.0 m (Sp)	Sl-hss <1.0 m (Sl)	Sl-hss-of <1.0 m (Sl)	Sl-hhs <1.0 m (Sh)	Spl/b (Sh)	Spb <15% (Gt/p)	Ss-lp-lag (Gh)	Slfp (Sf)	Ssd (Sd)	Slb (S-)	Total
Overall Total																						
Total Azimuths Recorded							7	2	197	27	3	173	2	41	2	0	0	0	0	0	0	455
Mean Azimuth Reading (°)							0.0	0.0	14.3	0.0	0.0	25.7	0.1	0.4	0.0							1.0
Maximum Azimuth Reading (°)							10	10	359	358	10	359	10	359	358	0	0	0	0	0	0	359
Minimum Azimuth Reading (°)							356	0	0	19	0	0	0	0	10							0
Vector Mean Calculation							Bidirectional Data: Azimuth on Azimuth	Azimuth on Azimuth	Bidirectional Data: Azimuth on Azimuth	Azimuth on Azimuth	Azimuth on Azimuth	Azimuth on Azimuth	Bidirectional Data: Azimuth on Azimuth	Azimuth on Azimuth	Azimuth on Azimuth	Azimuth on Azimuth	Azimuth on Azimuth	Azimuth on Azimuth	Azimuth on Azimuth	Azimuth on Azimuth	Azimuth on Azimuth	
Total for one + and one -							0.0266	0.0000	-0.0000	0.0278	0.0000	0.0000	-0.0000	0.0000	0.0000							
Sin X-Clust.									-0.4000	1.0000		-0.4231	-0.5000	-0.5000	1.0000							
Cos X-Clust.									0.9165			0.9060	0.8660	0.8660								
DIR/DIR(X1/X2)									27.2727			27.2727	26.4511	26.4511	27.2727							
Vector Mean (°) (ATAN2)									27.2727			27.2727	26.4511	26.4511	27.2727							
Vector Mean + 90									117.2727			117.2727	116.4511	116.4511	117.2727							
Vector Magnitude (R)									292.7923			292.7923	376.7177	40.0756	292.7923							
Vector Resultant (%)									64.3501			64.3501	94.1794	97.6600	64.3501							
Vector Magnitude (%)									100			100	52	49.4	100							
Dominant																						
Dominant																						
Denotes inferred reading																						

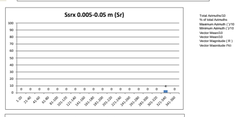
Azimuth Readings for each Outcrop	% of Total Measurement Readings
1-10	0
11-20	0
21-30	0
31-40	0
41-50	0
51-60	0
61-70	0
71-80	0
81-90	0
91-100	0
101-110	0
111-120	0
121-130	0
131-140	0
141-150	0
151-160	0
161-170	0
171-180	0
181-190	0
191-200	0
201-210	0
211-220	0
221-230	0
231-240	0
241-250	0
251-260	0
261-270	0
271-280	0
281-290	0
291-300	0
301-310	0
311-320	0
321-330	0
331-340	0
341-350	0
351-360	0
Overall Total	100.00

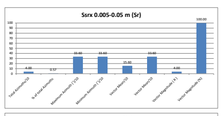
Indication (lin)	2	0.00052052
Fourier - Fourier transform trend (Fz)	0	0.00000000
Fast mark - Cosecant (Cs)	0	0.07396502
Scan mark - Fisher (F)	1	0.10258976
Sin-order (S)	0	0.00000000
2nd-order (2)	14	0.03227613
3rd-order (3)	0	0.00000000
4th-order (4)	0	0
5th-order (5)	1	0.00052052
6th-order (6)	0	0
Reactivation Surface (1-9)	6	0.00598854

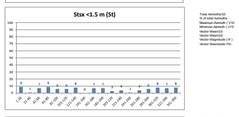


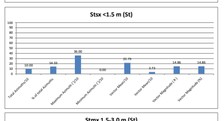


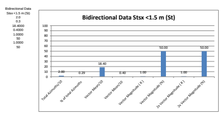
Total Azimuth Readings	% of Total
2	0.00052052
0	0.00000000
0	0.07396502
1	0.10258976
0	0.00000000
14	0.03227613
0	0.00000000
0	0
1	0.00052052
0	0
6	0.00598854

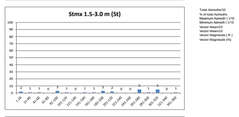


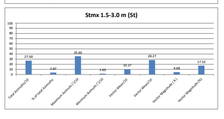


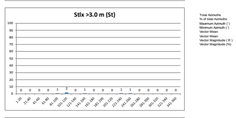


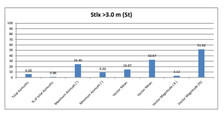


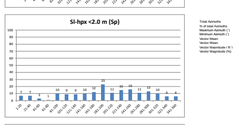


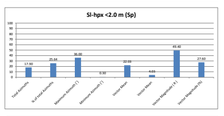


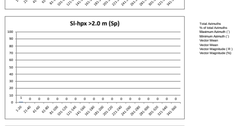


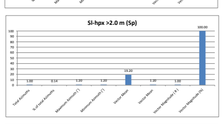


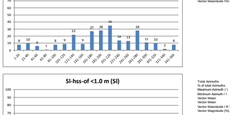


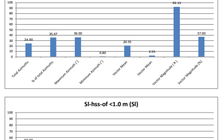


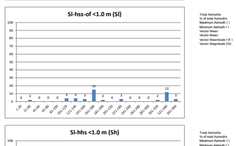


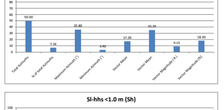


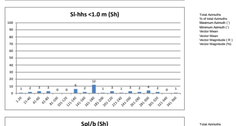


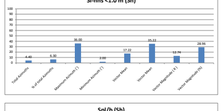


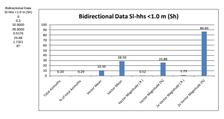


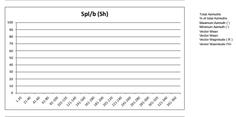


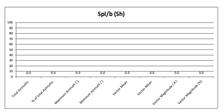


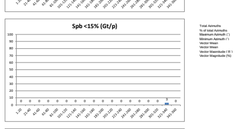


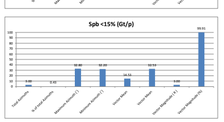


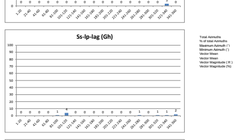


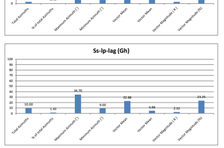


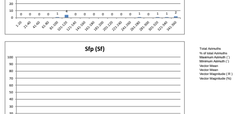


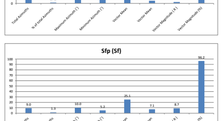


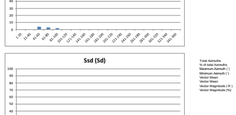


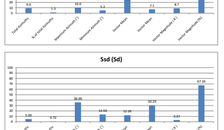


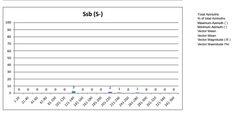


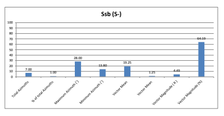












1. Fiemme Chouseul Quarry	16479 34811	N50 58' 26.0" , W1° 42' 51.0"	189	1.3
2. Rodel Hill Farm	23468 86209	N54 5' 38.4" , W1° 18' 55.7"	204	17.1
3. Hard Crag	15598 38201	N54 1' 46.7" , W1° 47' 39.2"	290	5.1
4. Fox Comb Hill	13910 38371	N54 1' 46.8" , W1° 47' 20.2"	289	4.1
5. Sykers Hill	13755 38050	N54 1' 0.4" , W1° 47' 29.0"	291	6.1
6. Harris Gate	16577 37863	N54 1' 1.7" , W1° 47' 33.2"	293	7.1
7. Gill House Crags	15371 37994	N54 1' 5.7" , W1° 47' 50.0"	291	8.1
8. Hard Pike	14048 37950	N54 1' 23.3" , W1° 47' 11.7"	300	11.1
9. Flat Crags - Hardrow Moor	15750 37771	N54 1' 28.4" , W1° 46' 39.2"	303	14.1
10. Ashes Wood	15750 37775	N54 1' 28.4" , W1° 46' 39.2"	303	14.1.1
11. Hardrow Force	15748 37775	N54 1' 28.4" , W1° 46' 39.2"	303	14.1.2
12. Pickthorn Crags	14452 37850	N54 1' 28.4" , W1° 46' 39.2"	304	14.1
13. Rodel Farm	23468 86209	N54 5' 38.4" , W1° 18' 55.7"	204	17.1
14. Grandon Disused Quarry	21348 85861	N54 5' 15.8" , W1° 19' 35.8"	209	18.1
15. Jeffers Crags - Marsh Fence Park	23298 85454	N54 5' 38.4" , W1° 18' 55.8"	206	20.1
16. Ashes Wood	15750 38551	N54 1' 28.4" , W1° 46' 39.2"	303	14.1.3
17. Rodel Hill	23468 86209	N54 5' 38.4" , W1° 18' 55.7"	204	17.1.1
18. Rodel Farm	23468 86209	N54 5' 38.4" , W1° 18' 55.7"	204	17.1
19. Grandon Disused Quarry	21348 85861	N54 5' 15.8" , W1° 19' 35.8"	209	18.1
20. Jeffers Crags - Marsh Fence Park	23298 85454	N54 5' 38.4" , W1° 18' 55.8"	206	20.1
21. Millwarp Wood - Marsh Fence Park	22737 85245	N54 5' 37.0" , W1° 18' 54.4"	205	21.1
22. Ashes Wood	15750 38551	N54 1' 28.4" , W1° 46' 39.2"	303	14.1.4
23. Hardrow Force	15748 38551	N54 1' 28.4" , W1° 46' 39.2"	303	14.1.5
24. Rodel Farm	23468 86209	N54 5' 38.4" , W1° 18' 55.7"	204	17.1.2
25. High Wild Carr Farm	17753 86173	N54 5' 28.4" , W1° 48' 29.4"	204	21.1
26. Mount Pleasant (Cam Crags)	17755 86053	N54 5' 28.4" , W1° 48' 37.2"	206	26.1
27. Skirtbow Wood	14550 84803	N54 5' 28.4" , W1° 48' 23.2"	200	27.1
28. Low Moor (Pheasant Quarry)	14570 83764	N54 5' 28.4" , W1° 48' 41.0"	210	28.1
29. Knox Wood	16573 84871	N54 5' 28.4" , W1° 48' 35.7"	146	1
30. Sippeneth Crags	14753 84957	N54 5' 28.4" , W1° 48' 37.2"	205	30.2
	14512 84858	N54 5' 28.2" , W1° 48' 46.2"	200	30.3
	14570 84756	N54 5' 28.2" , W1° 48' 42.2"	244	30.4
	14452 85814	N54 5' 28.4" , W1° 46' 39.7"	241	30.5
31. Cam Gloss Crag	15398 86775	N54 5' 28.2" , W1° 48' 26.7"	206	31.2
	15646 86617	N54 5' 28.2" , W1° 47.2" , W1° 42.8"	232	31.4
32. Tarden Crag	15755 86556	N54 5' 28.2" , W1° 47.2" , W1° 27.2"	229	32.1
	15908 86240	N54 5' 28.2" , W1° 38' 24.2"	224	32.2
	15960 86107	N54 5' 28.2" , W1° 37.2" , W1° 3.2"	240	32.3
33. High Bowgarden	15748 87713	N54 5' 28.2" , W1° 48' 35.0"	205	33.1
	15797 87511	N54 5' 28.2" , W1° 48' 26.7"	232	33.2
34. Knowsley Crags	15470 87663	N54 5' 28.2" , W1° 48' 42.7"	244	34.1
	15466 87521	N54 5' 28.2" , W1° 48' 41.7"	250	34.2
	15918 87351	N54 5' 27.2" , W1° 48' 26.2"	250	35.4
35. Knowsley Crags	15470 86857	N54 5' 27.2" , W1° 48' 41.7"	250	34.3