

APPENDIX IV

STATISTICAL PARAMETERS

STATISTICAL PARAMETERS

CHARI SERIES :

MEMBER	SAMPLE No.	TRAVERSE No.	GRAPHIC MEAN SIZE (ϕ) (M_z) (mm.)	INCLUSIVE GRAPHIC STANDARD DEVIATION (σ_1)	INCLUSIVE GRAPHIC SKEWNESS (Sk_1)	GRAPHIC KURTOSIS (K_0)
1	2	3	4	5	6	7
C	H 48	T 3	6.00 ; medium silt	2.40 $\emptyset$ very poorly sorted	0.00 symmetrical	0.96 mesokurtic
	H 273	T 6	4.50 ; coarse silt	1.070 $\emptyset$ poorly sorted	+0.473 strongly fine skewed	1.01 mesokurtic
	H 271	T 6	5.58 ; Medium silt	2.33 $\emptyset$ very poorly sorted	+0.74 strongly fine skewed	0.71 platykurtic
	H 280	T 6	4.70 ; coarse silt	1.341 $\emptyset$ poorly sorted	+0.715 strongly fine skewed	1.60 very leptokurtic
B	H 279	T 6	7.30 ; very fine silt	1.753 $\emptyset$ poorly sorted	0.00 symmetrical	1.00 mesokurtic
	H 502	T 8	7.82 ; very fine silt	3.231 $\emptyset$ very poorly sorted	+0.094 near symmetrical	0.96 mesokurtic
A	H 508	T 8	2.95 ; fine sand	1.15 $\emptyset$ poorly sorted	+0.28 fine skewed	2.28 very leptokurtic
	H 523	T 9	8.15 ; clay	4.09 $\emptyset$ very poorly sorted	+0.23 fine skewed	0.90 mesokurtic
	H 522	T 9	3.50 ; very fine sand	0.78 $\emptyset$ moderately sorted	+0.26 fine skewed	2.46 very leptokurtic
	H 529	T 9	2.95 ; fine sand	0.48 $\emptyset$ well sorted	-0.013 near symmetrical	2.14 very leptokurtic

STATISTICAL PARAMETERS

KATHOL SERIES

MEMBER	SAMPLE No.	TRAVERSE No.	GRAPHIC MEAN SIZE (ϕ) (M_Z) (mm)	INCLUSIVE GRAPHIC STANDARD DEVIATION (σ_I)	INCLUSIVE GRAPHIC SKEWNESS (SK_I)	GRAPHIC KURTOSIS (K_g) (K'_g)
1	2	3	4	5	6	7
	H 249	T 1	2.49 ; fine sand	0.85 ϕ moderately sorted	+0.22 fine skewed	1.50 leptokurtic
	H 248	T 1	2.90 ; fine sand	1.55 ϕ poorly sorted	+0.08 near symmetrical	0.85 platykurtic
	H 246a	T 1	2.70 ; fine sand	1.20 ϕ poorly sorted	+0.001 near symmetrical	0.77 platykurtic
	H 246	T 1	1.97 ; medium sand	0.47 ϕ well sorted	-0.001 near symmetrical	0.93 mesokurtic
	H 245	T 1	1.75 ; medium sand	0.91 ϕ moderately sorted	-0.17 coarse skewed	1.03 mesokurtic
D	H 227	T 2	2.50 ; fine sand	0.70 ϕ moderately well sorted	+0.13 fine skewed	0.98 mesokurtic
	H 203	T 2	1.70 ; medium sand	1.37 ϕ poorly sorted	-0.09 near symmetrical	1.1 mesokurtic
	H 209	T 3	1.49 ; medium sand	1.42 ϕ poorly sorted	+0.47 strongly skewed	0.88 platykurtic
	H 86	T 3	1.28 ; medium sand	0.83 ϕ moderately sorted	+0.05 near symmetrical	1.00 mesokurtic
	H 228a	T 3	4.16 ; coarse silt	2.17 ϕ very poorly sorted	+0.672 strongly skewed	1.35 leptokurtic

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1	2	3	4	5	6	7
H 325	T 8	1.53 ; medium sand	0.355 sand	2.38 ϕ very poorly sorted	+0.18 fine skewed	0.97 mesokurtic
H 324	T 8	2.45 ; very fine sand	0.092 sand	1.13 ϕ poorly sorted	+0.72 strongly fine skewed	7.4 extremely leptokurtic
H 322	T 8	2.21 ; fine sand	0.219 sand	1.13 ϕ poorly sorted	+0.016 near symmetrical	1.04 mesokurtic
H 448	T 8	1.30 ; medium sand	0.415 sand	0.829 ϕ moderately sorted	-0.013 near symmetrical	0.97 mesokurtic
H 451	T 8	3.93 ; very fine sand	0.066 sand	1.83 ϕ poorly sorted	+0.473 strongly fine skewed	3.9 extremely leptokurtic
H 450	T 8	3.25 ; very fine sand	0.105 sand	0.946 ϕ moderately sorted	+0.25 fine skewed	1.86 very leptokurtic
H 552	T 9	3.10 ; very fine sand	0.117 sand	0.64 ϕ moderately well sorted	+0.38 strongly fine skewed	4.6 extremely leptokurtic
H 565	T 10	4.12 ; coarse silt	0.058 silt	1.44 ϕ poorly sorted	+0.74 +0.674 strongly fine skewed	1.90 very leptokurtic
H 244	T 1	3.07 ; very fine sand	0.119 sand	0.34 ϕ well sorted	+0.03 near symmetrical	1.60 very leptokurtic
H 243a	T 1	4.13 ; coarse silt	0.058 silt	1.58 ϕ poorly sorted	+0.75 strongly fine skewed	1.12 leptokurtic
H 243	T 1	4.36 ; coarse silt	0.0485 silt	2.055 ϕ very poorly sorted	+0.84 strongly fine skewed	1.26 leptokurtic
H 200	T 2	4.05 ; coarse silt	0.06 silt	1.74 ϕ poorly sorted	+0.827 strongly fine skewed	2.64 very leptokurtic

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1	2	3	4	5	6	7
H 180	T 2	3.82 ; very fine sand	0.07 silt	1.26 poorly sorted	+0.19 fine skewed	1.6 very leptokurtic
H 202	T 2	3.76 ; very fine sand	0.074 silt	1.252 poorly sorted	+0.718 strongly skewed	2.18 very leptokurtic
H 228	T 3	6.6 ; fine	0.0105 silt	3.60 very poorly sorted	+0.186 fine skewed	1.10 mesokurtic
H 30	T 3	2.32 ; fine	0.220 sand	0.72 moderately sorted	+0.06 near symmetrical	1.06 mesokurtic
H 89	T 3	2.94 ; fine	0.125 sand	0.80 moderately sorted	+0.051 near symmetrical	0.85 platykurtic
H 96	T 4	4.16 ; coarse silt	0.056 silt	1.562 poorly sorted	+0.455 strongly skewed	1.12 leptokurtic
C H 94	T 4	5.17 ; medium	0.028 silt	4.967 very poorly sorted	+0.20 fine skewed	1.12 leptokurtic
H 348	T 4	3.78 ; very fine sand	0.073 sand	1.473 poorly sorted	+0.78 Strongly skewed	5.60 extremely leptokurtic
H 347a	T 4	5.02 ; medium	0.031 silt	2.13 very poorly sorted	+0.731 strongly skewed	1.34 leptokurtic
H 376	T 6	7.20 ; very fine silt	0.0069 silt	3.9 very poorly sorted	+0.15 fine skewed	1.09 mesokurtic
H 542	T 7	8.20 ; clay	0.0034 clay	3.59 very poorly sorted	+0.375 strongly skewed	0.88 platykurtic
H 296a	T 7	4.42 ; coarse silt	0.050 silt	1.799 poorly sorted	+0.763 strongly skewed	1.17 leptokurtic

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1	2	3	4	5	6	7
C	H 296	T 7	5.63 ; medium silt	3.391 Ø very poorly sorted	+0.047 near symmetrical	0.92 mesokurtic
	H 453	T 8	5.23 ; medium silt	3.352 Ø very poorly sorted	+0.015 near symmetrical	1.00 mesokurtic
	H 192	T 1	5.80 ; medium silt	1.80 Ø poorly sorted	0.00 near symmetrical	0.98 mesokurtic
	H 181	T 2	5.90 ; medium silt	5.1 Ø very poorly sorted	+0.091 near symmetrical	1.02 mesokurtic
	H 179 a	T 2	2.06 ; fine sand	1.33 Ø poorly sorted	+0.16 fine skewed	0.63 platykurtic
	H 179	T 2	2.49 ; fine sand	1.00 Ø moderately sorted	+0.08 near symmetrical	0.98 mesokurtic
	H 176	T 2	7.13 ; very fine silt	3.70 Ø very poorly sorted	+0.32 strongly fine skewed	1.16 leptokurtic
	H 175	T 2	6.85 ; fine silt	3.40 Ø very poorly sorted	+0.079 near symmetrical	0.99 mesokurtic
	H 78	T 3	3.03 ; very fine sand	2.03 Ø very poorly sorted	+0.054 near symmetrical	1.06 mesokurtic
	H 74	T 3	6.23 ; fine silt	3.20 Ø very poorly sorted	+0.16 fine skewed	1.02 mesokurtic
B	H 72	T 3	2.45 ; fine sand	1.31 Ø poorly sorted	+0.21 fine skewed	0.93 mesokurtic
	H 71	T 3	5.80 ; medium silt	4.30 Ø very poorly sorted	+0.17 fine skewed	1.03 mesokurtic

cont

	2	3	4	5	6	7	
	H 358	T 4	4.01 ; coarse	0.062 silt	1.481 poorly sorted	+0.683 strongly fine skewed	3.74 extremely leptokurtic
	H 355	T 4	4.01 ; coarse	0.062 silt	1.16 poorly sorted	+0.54 strongly fine skewed	1.90 very leptokurtic
	H 414	T 5	2.85 ; fine	0.15 sand	0.65 mode well sorted	+0.06 near symmetrical	1.17 leptokurtic
	H 410	T 5	1.90 ; medium	0.27 sand	1.50 poorly sorted	+0.15 fine skewed	0.92 mesokurtic
	H 344	T 5	5.05 ; medium	0.030 silt	3.50 very poorly sorted	+0.528 strongly fine skewed	1.16 leptokurtic
B	H 338	T 5	6.70 ; fine	0.0098 silt	3.51 very poorly sorted	+0.34 strongly fine skewed	0.97 leptokurtic mesokurtic
	H 395b	T 6	3.33 ; very fine	0.10 sand	1.225 poorly sorted	+0.51 strongly fine skewed	1.2 leptokurtic
	H 395a	T 6	4.53 ; coarse	0.043 silt	2.02 very poorly sorted	+0.496 strongly fine skewed	1.23 leptokurtic
	H 284b	T 6	3.98 ; very fine	0.064 sand	1.80 poorly sorted	+0.842 strongly fine skewed	3.9 extremely leptokurtic
	H 284a	T 6	7.75 ; very fine	0.0047 silt	4.30 very poorly sorted	+0.16 fine skewed	1.08 mesokurtic
	H 500	T 7	7.67 ; very fine	0.0049 silt	3.41 very poorly sorted	+0.307 strongly fine skewed	0.88 platykurtic
	H 545	T 8	5.42 ; medium	0.0232 silt	2.865 very poorly sorted	+0.32 strongly fine skewed	1.03 mesokurtic
							0.5
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1	2	3	4	5	6	7			
B	H 548	T 9	2.35 ; fine	0.20 sand	1.313 poorly sorted	0 sorted	+0.05 near symmetrical	0.85 platykurtic	0.46
	H 540	T 10	2.07 ; fine	0.243 sand	1.66 poorly sorted	0 sorted	+0.16 fine skewed	0.77 platykurtic	0.43
	H 528	T 10	1.79 ; medium	0.29 sand	1.77 poorly sorted	3 sorted	+0.44 strongly skewed	1.20 leptokurtic	0.54
A	H 191	T 1	5.13 ; medium	0.0285 silt	1.462 poorly sorted	0 sorted	+0.094 near symmetrical	1.1 mesokurtic	0.50
	H 183a	T 2	7.8 ; very fine	0.0045 silt	2.11 very poorly sorted	0 sorted	0.00 symmetrical	1.02 mesokurtic	0.50
	H 67	T 3	3.88 ; very fine	0.068 sand	1.43 poorly sorted	0 sorted	+0.53 strongly skewed	2.11 very leptokurtic	0.68
	H 62	T 3	5.67 ; medium	0.02 silt	3.80 very poorly sorted	0 sorted	+0.105 fine skewed	1.02 mesokurtic	0.50
	H 59	T 3	3.55 ; very fine	0.086 sand	0.98 moderately sorted	0 sorted	+0.188 fine skewed	1.20 leptokurtic	0.54
	H 57	T 3	3.52 ; very fine	0.088 sand	1.32 poorly sorted	0 sorted	+0.73 strongly skewed	5.7 extremely leptokurtic	0.85
	H 56	T 3	4.43 ; coarse	0.046 silt	1.77 poorly sorted	0 sorted	+0.01 near symmetrical	1.00 mesokurtic	0.50
	H 55	T 3	3.46 ; very fine	0.092 sand	0.59 moderately well sorted	0 sorted	+0.55 strongly skewed	1.20 leptokurtic	0.54

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1	2	3	4	5	6	7
	H 51	T 3	8.5 ; clay	0.00275 606 -er- poorly sorted	+0.288 fine skewed	0.98 mesokurtic
	H 277	T 6	3.16 ; very fine sand	0.115 1.11 poorly sorted	+0.11 fine skewed	1.00 mesokurtic
A	H 275	T 6	4.70 ; coarse	0.0355 silt very poorly sorted	+0.995 strongly skewed	0.98 1.16 leptokurtic
	H 511	T 8	6.76 ; fine	0.0094 silt very poorly sorted	+0.051 near symmetrical	0.98 mesokurtic
	H 537	T 10	2.85 ; fine	0.14 sand moderately sorted	+0.03 near symmetrical	1.57 very leptokurtic

STATISTICAL PARAMETERS

DIMA SERIES : (North of Katsol Fault.)

SAMPLE No.	TRAVERSE No.	GRAPHIC (Ø)	MEAN (M _Z)	SIZE (mm)	INCLUSIVE STANDARD DEVIATION (σ _I)	GRAPHIC SKEWNESS (Sk _I)	GRAPHIC KURTOSIS (K _G)	(K _G)	(K _G)
1	2		3		4	5		6	
H 30	T 2	4.88; coarse	0.03 ⁴ silt	2.47 Ø very poorly sorted	+0.656 strongly skewed	1.2 leptokurtic	0.54		
H 23	T 3	2.01 ; fine	0.25 sand	0.74 Ø moderately sorted	+0.01 near symmetrical	0.99 mesokurtic	0.50		
H 464	T 4	5.38 ; medium	0.0245 silt	1.548 Ø poorly sorted	+0.83 strongly skewed	1.13 leptokurtic	0.53		
H 466	T 4	4.22 ; coarse	0.05 ⁴ silt	1.87 Ø poorly sorted	+0.81 strongly skewed	3.5 extremely leptokurtic	0.77		
H 465	T 4	6.28 ; fine	0.013 silt	3.12 Ø very poorly sorted	+0.131 fine skewed	0.90 mesokurtic	0.47		
H 472	T 7	1.98 ; medium	0.26 sand	1.62 Ø poorly sorted	+0.0098 near symmetrical	0.91 mesokurtic	0.47		
H 486	T 8	1.43 ; medium	0.38 sand	0.96 Ø moderately sorted	+0.190 fine skewed	1.21 leptokurtic	0.54		
H 485	T 8	3.80 ; very fine	0.07 sand	1.88 Ø poorly sorted	+0.72 strongly skewed	1.05 mesokurtic	0.51		
H 525	T 9	3.85 ; very fine	0.07 sand	1.506 Ø poorly sorted	+0.82 strongly skewed	4.2 extremely leptokurtic	0.8		

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(South of Katrol Fault .)

1	2	3	4	5	6
H 435a	T 7	3.85 very fine sand	1.91 $\emptyset$ poorly sorted	+0.76 strongly fine skewed	3.9 extremely leptokurtic
H 435	T 7	2.93 ; fine sand	1.827 $\emptyset$ poorly sorted	-0.021 near symmetrical	1.8 very leptokurtic
H 457	T 7	3.82 ; very fine sand	1.325 $\emptyset$ poorly sorted	+0.60 strongly fine skewed	3.7 extremely leptokurtic
H 458	T 7	2.58 ; fine sand	0.95 $\emptyset$ moderately sorted	+0.002 near symmetrical	1.40 leptokurtic
H 438	T 8	2.32 ; fine sand	1.058 $\emptyset$ poorly sorted	+0.114 fine skewed	4.27 leptokurtic
H 437	T 8	7.35 ; very fine silt	4.2 $\emptyset$ very poorly sorted	+0.073 near symmetrical	1.03 mesokurtic
H 562	T 8	4.52 ; coarse silt	1.85 $\emptyset$ poorly sorted	+0.75 strongly fine skewed	3.1 extremely leptokurtic
H 559a	T 8	3.55 ; very fine sand	0.869 $\emptyset$ moderately sorted	+0.33 strongly fine skewed	2.9 very leptokurtic
H 557	T 8	2.78 ; fine sand	0.60 $\emptyset$ mod. well sorted	+0.089 near symmetrical	1.28 leptokurtic
H 556	T 8	2.34 ; fine sand	1.44 $\emptyset$ poorly sorted	+0.614 strongly fine skewed	1.07 meso kurtic
H 460	T 8	0.78 ; coarse sand	0.853 $\emptyset$ moderately sorted	+0.558 strongly fine skewed	2.06 very leptokurtic

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(South of Katrol Fault.)

1	2	3	4	5	9
H 424b	T 1	3.09 ; very fine sand	1.445 ϕ poorly sorted	+0.06 near symmetrical	0.93 mesokurtic
H 424a	T 1	3.61 ; very fine sand	1.530 ϕ poorly sorted	+0.12 coarse skewed	1.05 mesokurtic
H 424	T 1	2.93 ; fine sand	0.86 ϕ moderately sorted	+0.11 coarse skewed	3.00 extremely leptokurtic
H 426	T 2	2.93 ; fine sand	0.40 ϕ well sorted	+0.15 fine skewed	1.6 very leptokurtic
H 222	T 2	2.74 ; fine sand	0.76 ϕ moderately sorted	+0.31 strongly fine skewed	1.7 very leptokurtic
H 226	T 2	0.90 ; coarse sand	1.80 ϕ poorly sorted	+0.64 strongly fine skewed	1.20 leptokurtic
H 218	T 2	2.10 ; fine sand	0.91 ϕ moderately sorted	-0.03 near symmetrical	1.13 leptokurtic
H 215	T 2	2.98 ; fine sand	1.26 ϕ poorly sorted	+0.15 fine skewed	0.82 platykurtic
H 233a	T 3	2.91 ; fine sand	0.80 ϕ moderately sorted	+0.015 near symmetrical	1.00 mesokurtic
H 233	T 3	1.81 ; medium sand	1.28 ϕ poorly sorted	+0.045 near symmetrical	0.95 mesokurtic
H 232	T 3	1.57 ; medium sand	0.91 ϕ moderately sorted	+0.06 near symmetrical	1.09 mesokurtic
H 211	T 3	1.48 ; medium sand	1.67 ϕ poorly sorted	+0.38 strongly fine skewed	1.02 mesokurtic

cont.....

1	2	3	4	5	6
H 235	T 4	1.38 ; medium sand	1.11 $\emptyset$ poorly sorted	+0.60 strongly fine skewed	1.5 leptokurtic
H 234	T 4	6.1 ; fine silt	5.10 $\emptyset$ very poorly sorted	+0.06 near symmetrical	0.98 mesokurtic
H 250	T 4	1.96 ; medium sand	1.68 $\emptyset$ poorly sorted	+0.37 strongly fine skewed	1.07 mesokurtic
H 155	T 5	1.24 ; medium sand	1.07 $\emptyset$ poorly sorted	+0.06 near symmetrical	0.97 mesokurtic
H 240	T 5	7.60 ; very fine silt	5.00 $\emptyset$ very poorly sorted	+0.431 strongly fine skewed	1.07 mesokurtic
H 129	T 5	2.32 ; fine sand	0.73 $\emptyset$ moderately sorted	+0.21 fine skewed	1.2 leptokurtic
H 126	T 5	2.94 ; fine sand	0.93 $\emptyset$ moderately sorted	+0.3 fine skewed	1.67 very leptokurtic
H 241a	T 6	0.83 ; coarse sand	1.905 $\emptyset$ poorly sorted	+0.35 strongly fine skewed	1.28 leptokurtic
H 132	T 6	0.45 ; coarse sand	0.98 $\emptyset$ moderately sorted	+0.35 strongly fine skewed	2.2 very leptokurtic
H 131c	T 6	8.05 ; clay	3.281 $\emptyset$ very poorly sorted	+0.22 fine skewed	1.01 mesokurtic
H 131 a	T 6	3.80 ; very fine sand	1.460 $\emptyset$ poorly sorted	+0.567 strongly fine skewed	2.5 very leptokurtic
H 169	T 7	1.67 ; medium sand	1.56 $\emptyset$ poorly sorted	+0.059 near symmetrical	1.03 mesokurtic

cont.....

1	2	3	4	5	6
H 167	T 7	0.28 ; 0.88 coarse sand	2.00 $\emptyset$ poorly sorted	0.00 symmetrical	1.00 mesokurtic
H 164	T 7	1.45 ; 0.375 medium sand	0.96 $\emptyset$ moderately sorted	+0.22 fine skewed	1.70 very leptokurtic
H 160	T 7	5.98 ; 0.016 medium silt	3.156 $\emptyset$ very poorly sorted	+0.165 fine skewed	1.02 mesokurtic
H 147	T 7	5.23 ; 0.027 medium silt	2.83 $\emptyset$ very poorly sorted	+0.427 strongly fine skewed	1.38 leptokurtic
H 145	T 7	2.27 ; 0.21 fine sand	0.90 $\emptyset$ moderately sorted	+0.11 fine skewed	1.20 leptokurtic
H 143	T 7	7.66 ; 0.005 very fine silt	3.406 $\emptyset$ very poorly sorted	+0.183 fine skewed	0.95 mesokurtic
H 140	T 7	2.28 ; 0.21 fine sand	0.84 $\emptyset$ moderately sorted	+0.07 near symmetrical	1.03 mesokurtic
H 138	T 7	2.03 ; 0.245 fine sand	0.721 $\emptyset$ moderately sorted	+0.02 near symmetrical	1.30 leptokurtic
H 135	T 7	4.66 ; 0.0395 coarse silt	2.493 $\emptyset$ very poorly sorted	+0.68 strongly fine skewed	2.23 very leptokurtic
H 136	T 7	6.82 ; 0.0689 fine silt	2.63 $\emptyset$ very poorly sorted	+0.314 strongly fine skewed	1.03 mesokurtic
H 430	T 7	1.12 ; 0.47 medium sand	1.18 $\emptyset$ poorly sorted	+0.011 near symmetrical	1.06 mesokurtic
H 428	T 7	2.26 ; 0.215 fine sand	1.55 $\emptyset$ poorly sorted	+0.083 near symmetrical	0.89 platykurtic

cont.....

1	2	3	4	5	6
H 455	T 7	1.04 ; medium sand	0.927 moderately sorted	+0.267 fine skewed	1.3 leptokurtic
H 444	T 8	1.26 ; medium sand	0.816 moderately sorted	+0.144 fine skewed	1.17 leptokurtic
H 442	T 8	1.22 ; medium sand	1.195 poorly sorted	+0.042 near symmetrical	0.94 mesokurtic
H 441	T 8	3.29 ; very fine sand	0.608 moderately well sorted	+0.421 strongly fine skewed	1.47 leptokurtic
H 560	T 8	4.86 ; coarse silt	2.55 very poorly sorted	+0.64 strongly fine skewed	1.26 leptokurtic
H 440	T 8	1.82 ; medium sand	1.085 poorly sorted	+0.365 strongly fine skewed	1.25 leptokurtic
H 439	T 8	1.51 ; medium sand	0.891 moderately sorted	+0.081 near symmetrical	1.03 mesokurtic
H 560	T 9	0.66 ; coarse sand	0.92 moderately sorted	+0.277 fine skewed	1.39 leptokurtic
H 572	T 10	1.40 ; medium sand	0.97 moderately sorted	+0.059 near symmetrical	1.05 mesokurtic
H 571	T 10	1.65 ; medium sand	0.603 moderately well sorted	+0.326 strongly fine skewed	1.56 very leptokurtic