

Sample = 2 | Depth = 61.61 | Age = 44.83 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80-80 80 80 -60 60 60 60 60 40 -40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 0.1 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 3 | Depth = 61.14 | Age = 44.75 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 -40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 0.8 0.1 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 4 IDepth = 60.11 | Age = 44.6 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 0.1 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 5 | Depth = 59.58 | Age = 44.53 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.5 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 0.1 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 6 | Depth = 58.38 | Age = 44.37 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150-60 60 60 60 100 40 40 40 40 50 20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 7 | Depth = 57.16 | Age = 44.21 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 -40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.5 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 0.1 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 40 40 40 40 50-20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 8 | Depth = 56.56 | Age = 44.14 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20-20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 9 | Depth = 54.88 | Age = 43.93 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 -40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 0.1 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 40 40 40 40 50 20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 10 | Depth = 53.26 | Age = 43.75 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 0.1 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 11 | Depth = 53.03 | Age = 43.72 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 1.0 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 12 | Depth = 52.66 | Age = 43.68 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 0.1 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 40 40 40 40 50 20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 13 | Depth = 51.66 | Age = 43.56 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 14 | Depth = 50.61 | Age = 43.45 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 0.1 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 15 | Depth = 50.16 | Age = 43.39 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 -40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 16 | Depth = 48.76 | Age = 43.23 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 -40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 17 | Depth = 47.26 | Age = 43.05 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 -40 40 40 -40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 18 | Depth = 44.42 | Age = 42.69 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40-40 40 40 -40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 19 I Depth = 43.55 | Age = 42.57 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 20 IDepth = 42.58 | Age = 42.43 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 21 | Depth = 42.29 | Age = 42.38 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40-40 40 -40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 22 | Depth = 41.11 | Age = 42.2 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 23 IDepth = 40.66 | Age = 42.12 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100-40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 24 | Depth = 39.61 | Age = 41.95 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40-40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 1.0 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 25 IDepth = 39.26 | Age = 41.88 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 26 IDepth = 37.81 | Age = 41.61 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40-40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 27 | Depth = 37.73 | Age = 41.6 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 -40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 1.0 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

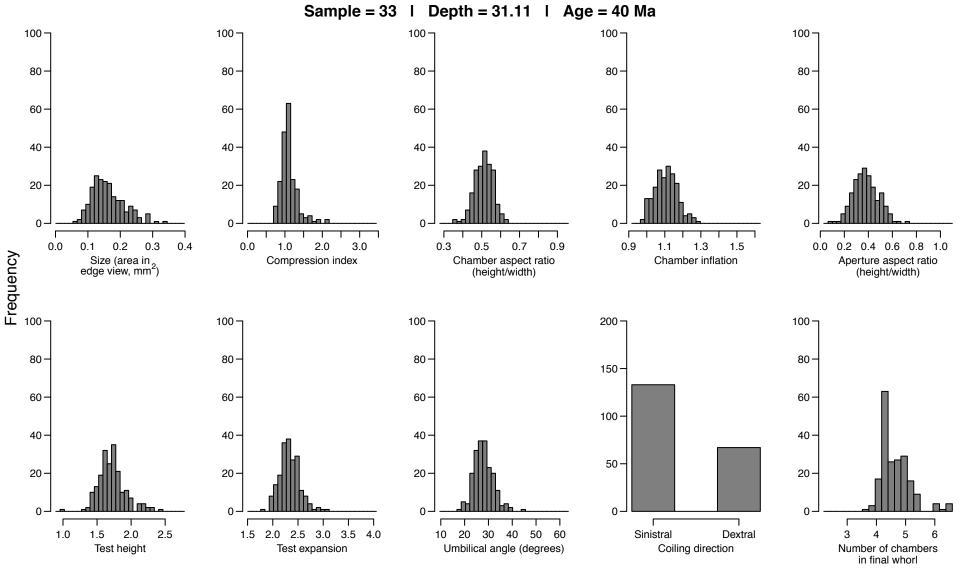
Sample = 28 IDepth = 34.61 | Age = 40.92 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 29 IDepth = 34.16 | Age = 40.81 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40-40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 30 IDepth = 33.11 | Age = 40.55 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40-40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 31 IDepth = 32.56 | Age = 40.41 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40-40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 32 IDepth = 31.57 | Age = 40.13 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 -40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl



Sample = 34 IDepth = 29.61 | Age = 39.54 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 -40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 35 IDepth = 28.61 | Age = 39.21 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 36 IDepth = 28.11 | Age = 39.04 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 -60 60 -60 60 60 40 40 -40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.5 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 37 | Depth = 26.61 | Age = 38.5 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 -60 60 60 40 40 -40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 38 | Depth = 25.11 | Age = 37.9 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 -40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 39 IDepth = 24.66 | Age = 37.72 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 -60 60 60 40 40 -40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 40 IDepth = 23.61 | Age = 37.26 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 -60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 41 IDepth = 23.16 | Age = 37.06 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 42 | Depth = 22.11 | Age = 36.57 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 -40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 43 l Depth = 21.66 | Age = 36.35 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Aperture aspect ratio (height/width) Compression index Chamber aspect ratio Chamber inflation (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 44 IDepth = 20.76 | Age = 35.89 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40-40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 45 IDepth = 20.46 | Age = 35.74 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 1.0 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 46 IDepth = 20.26 | Age = 35.63 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150-60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 47 | Depth = 20.03 | Age = 35.51 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 48 IDepth = 19.75 | Age = 35.36 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 1.0 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 49 IDepth = 19.56 | Age = 35.26 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 -60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 50 lDepth = 19.31 | Age = 35.12 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 1.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.2 0.4 0.6 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl

Sample = 51 IDepth = 18.51 | Age = 34.67 Ma 100 -100 ¬ 100 ¬ 100 ¬ 100 -80 80 80 80 80 60 60 60 60 60 40 40 40 40 40 20 20 20 20 20 0.0 0.2 0.3 0.4 0.0 2.0 3.0 0.3 0.7 0.9 0.9 1.3 1.5 0.0 0.2 0.4 0.6 1.0 Frequency Size (area in edge view, mm²) Compression index Chamber aspect ratio Chamber inflation Aperture aspect ratio (height/width) (height/width) 100 -100 -100 -200 -100 -80 80 80 80 150 -60 60 60 60 100 -40 40 40 40 50 -20 20 20 20 1.0 1.5 2.0 2.5 1.5 2.0 2.5 3.0 3.5 4.0 10 20 30 40 50 60 Sinistral Dextral Test height Test expansion Umbilical angle (degrees) Coiling direction Number of chambers in final whorl