

Manchester Geological Association

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Delta tops and succession hops: the Clackmannan Group, Midland Valley  
Scotland

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Deltaic successions, such as those that comprise much of the Carboniferous strata of the UK, are synonymous with high- and low-resolution sequence stratigraphical surfaces (succession hops). We present data from the Namurian Clackmannan Group of the Midland Valley, Scotland, where sedimentary log data, three-dimensional photogrammetric modelling and borehole correlations reveal the depositional history of the Group. Sedimentary facies analysis and bed thickness measurements reveal high-resolution sequence stratigraphical parasequence-scale succession hops and larger, low-resolution breaks to the sedimentary record. However, the question still remains: what controls these succession hops seen on our delta tops?