

TYLER NICKSON

Master of Science in Geophysics

Department of Earth Sciences, Memorial University of Newfoundland, St. John's, NL, A1B 3X5, Canada

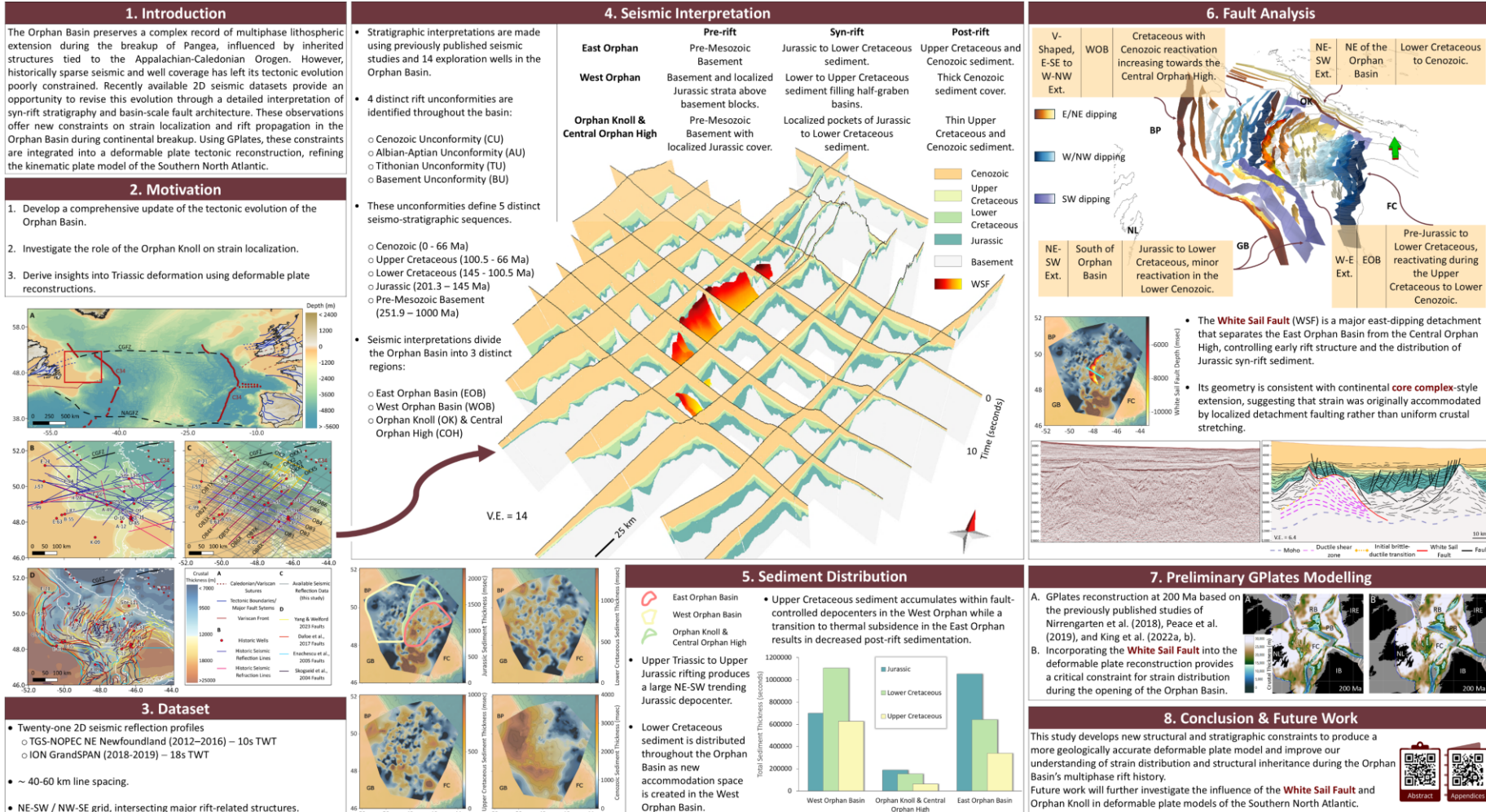
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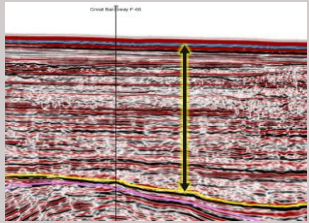
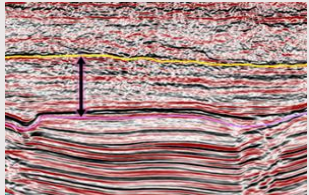
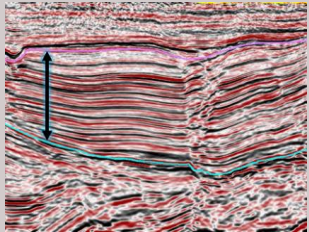
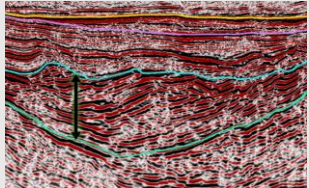
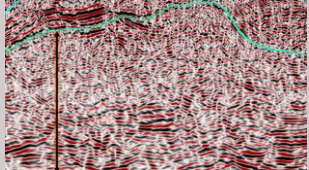
LinkedIn: <https://www.linkedin.com/in/tyler-nickson-25535b156/>

Integrating Seismic Interpretation of the Orphan Basin, Offshore Newfoundland, with Deformable Plate Tectonic Modelling of the Southern North Atlantic

Tyler Nickson & J. Kim Welford

Department of Earth Sciences, Memorial University of Newfoundland, St. John's, NL, A1B 3X5, Canada



Seismo-Stratigraphic Unit	Orphan Basin	Reflection Continuity	Reflectivity Patterns	Reflection Amplitude and Frequency	Level of Confidence
Cenozoic		Laterally continuous	Parallel to subparallel and divergent	Weak to high amplitude, high frequency	High
Upper Cretaceous		Laterally continuous	Parallel to subparallel	High amplitude, high frequency	Medium
Lower Cretaceous		Laterally continuous	Parallel to subparallel and divergent	Medium amplitude, medium to high frequency	Medium
Jurassic		Semi-continuous to Discontinuous	Subparallel to chaotic	High amplitude, high frequency	Low to High
Basement		Discontinuous	Chaotic	Weak-to moderate-amplitude, high-frequency	Low

GPlates Rotation Poles

Age	Latitude	Longitude	Angle	Fixed Plate
Orphan Knoll				
200	66.4413	70.5951	-54.856	NAM
140	65.9151	27.0646	-71.0898	NAM
112	63.8276	16.6689	-75.9551	NAM
0	63.7913	16.5869	-75.9114	NAM
White Sail Fault				
200	49.6345	-34.0642	6.956	FC
140	47.4457	-66.4482	-2.3626	FC
112	48.9729	-47.1472	20.2176	FC

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