



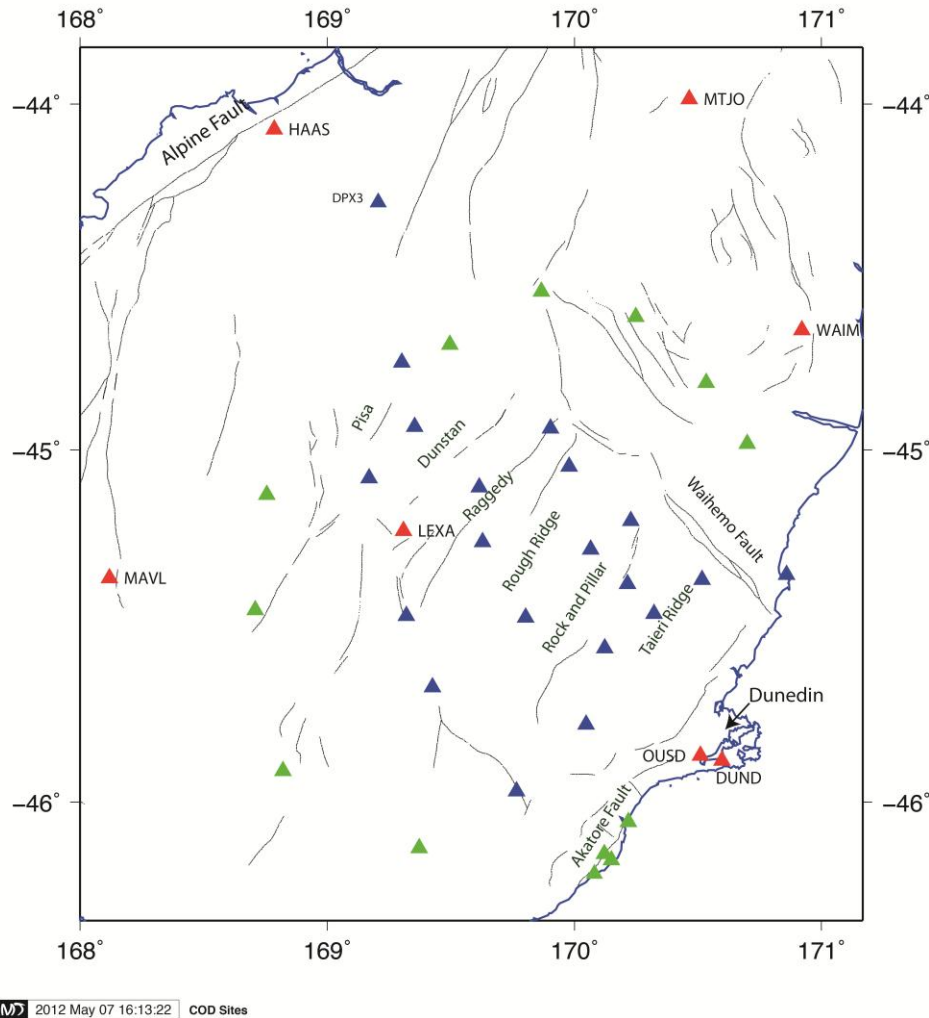
UNIVERSITY
of
OTAGO
Te Whare Wānanga o Ōtāgo
NEW ZEALAND

Central Otago Deformation network: A case study on the sensitivity of velocities to post-seismic deformation

Chris Pearson
Paul Denys

COD

COD network

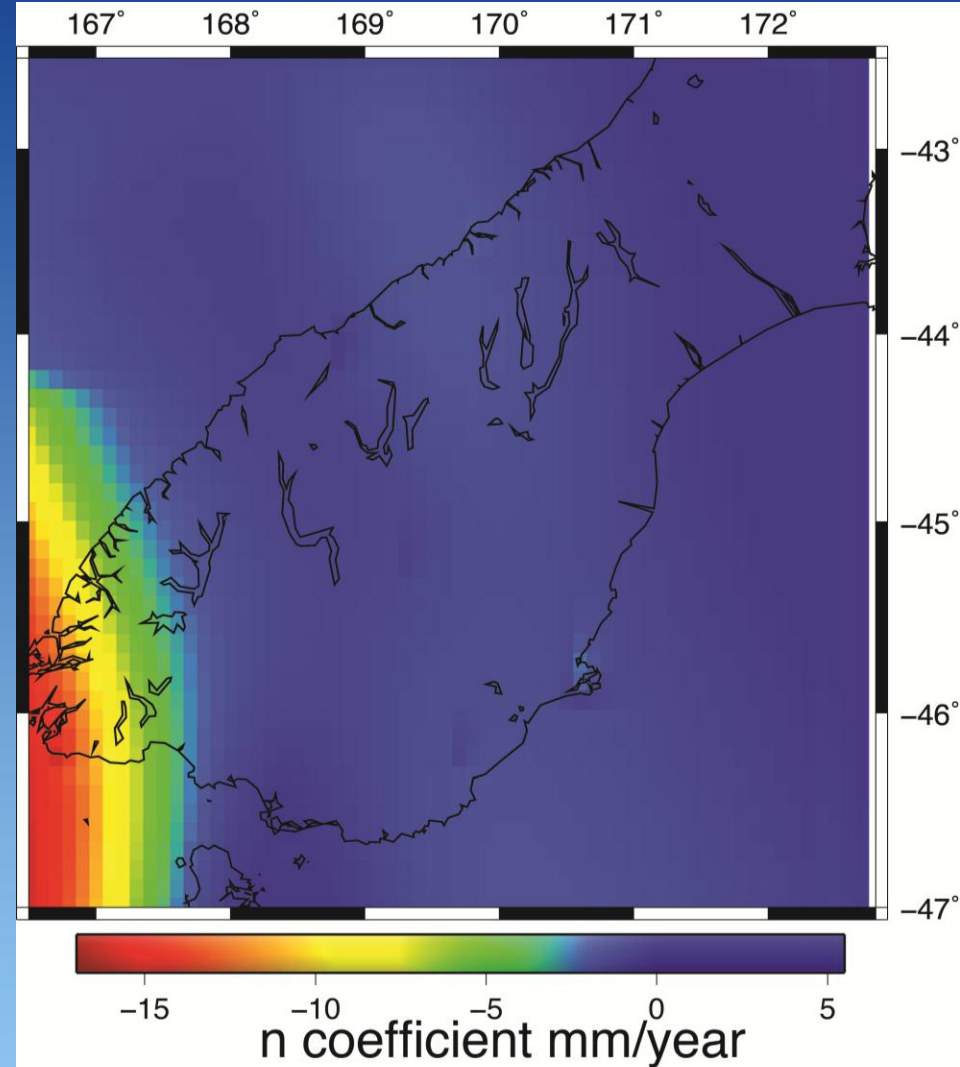
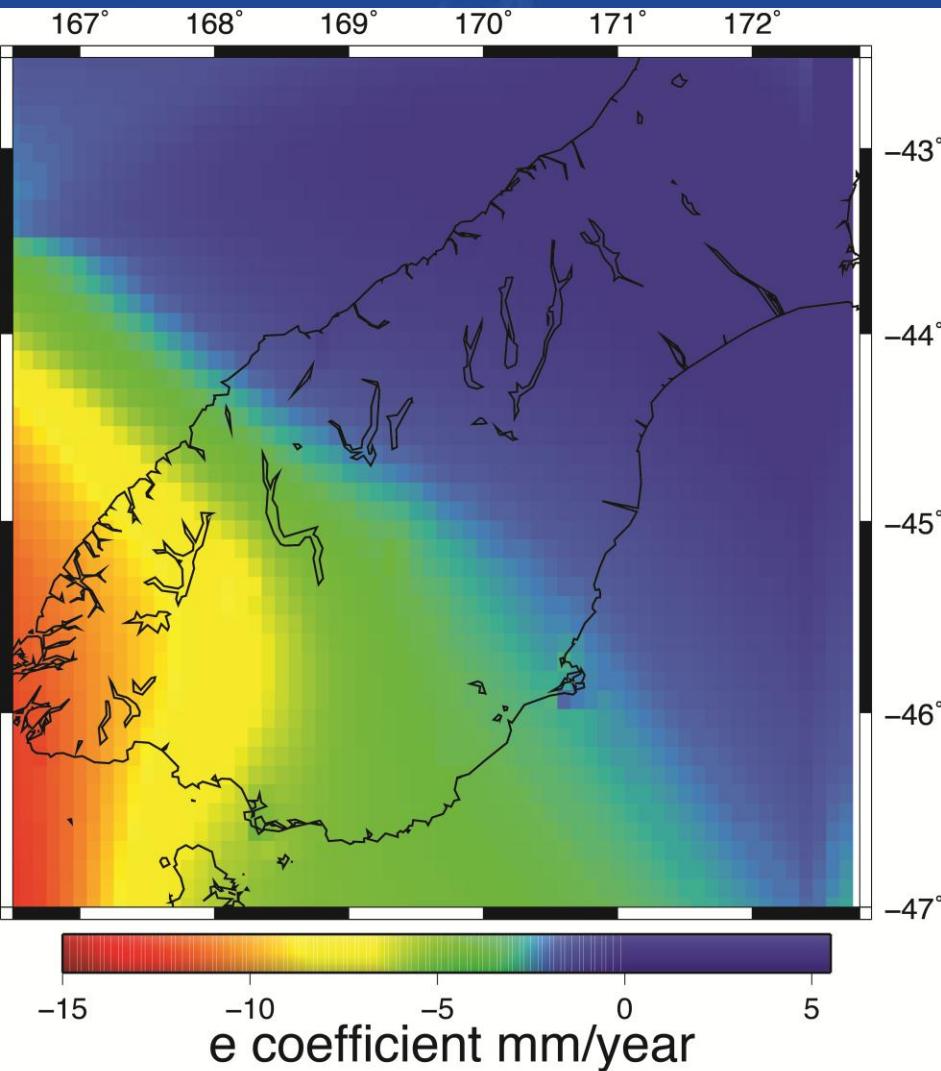


Antennae are force-centred onto 5/8" threaded rods located in bedrock sites



COD sites established in 2004-5 (blue triangles),
COD sites established in 2009 (green triangles)
LINZ PostionZ sites (red triangles)

Post-seismic coefficients



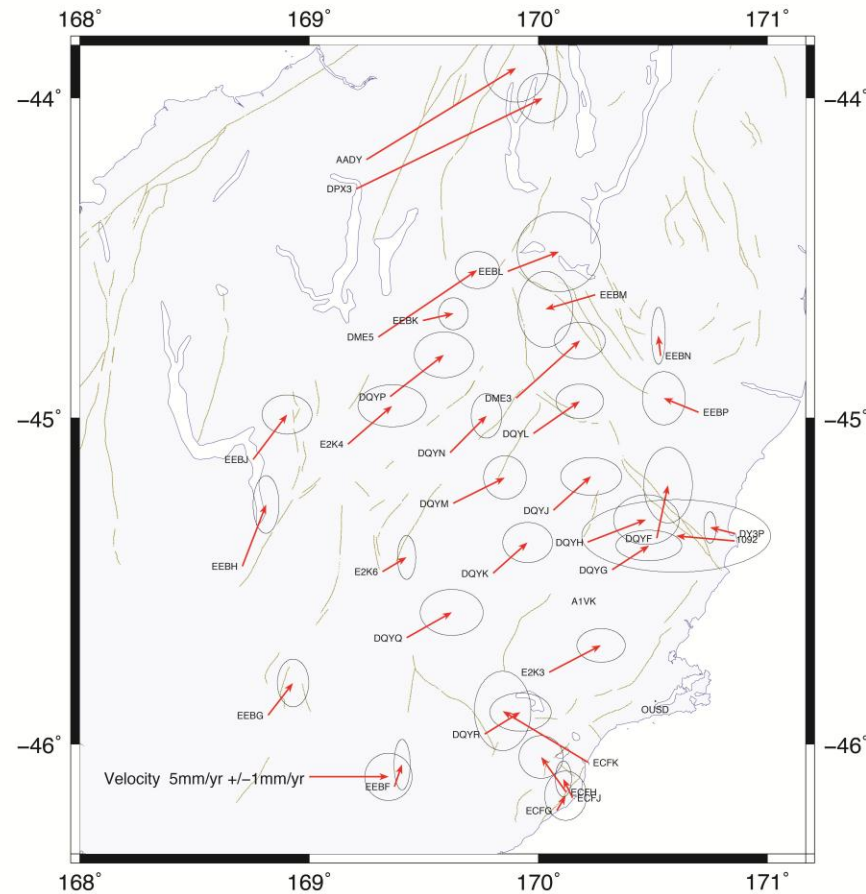
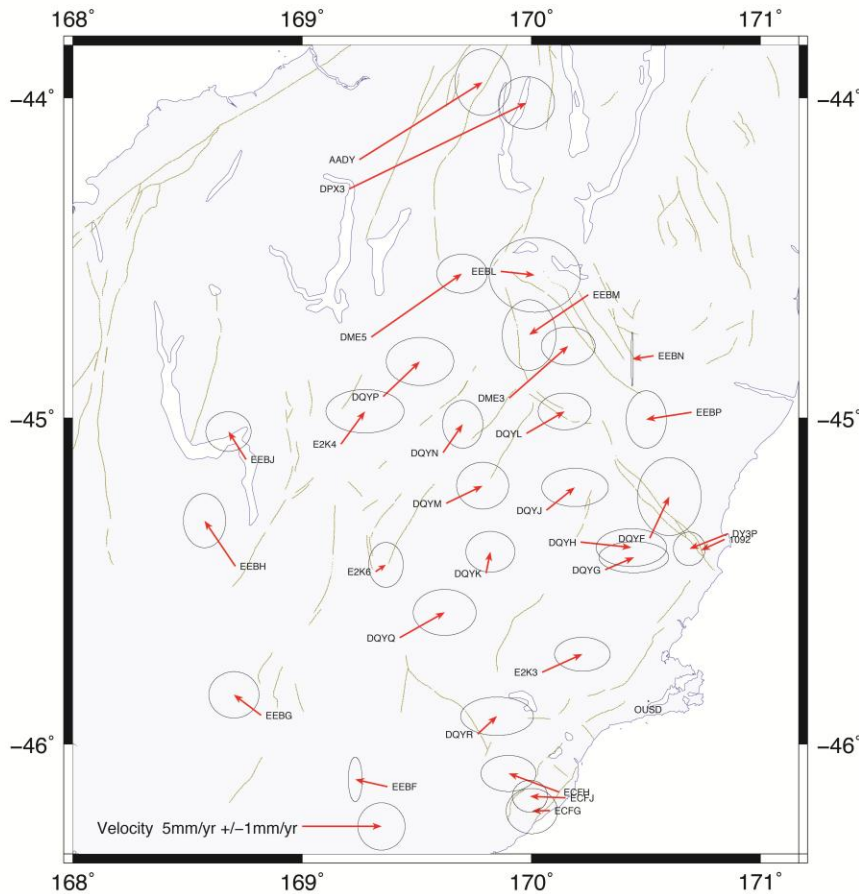
Effect of post-seismic correction

No correction

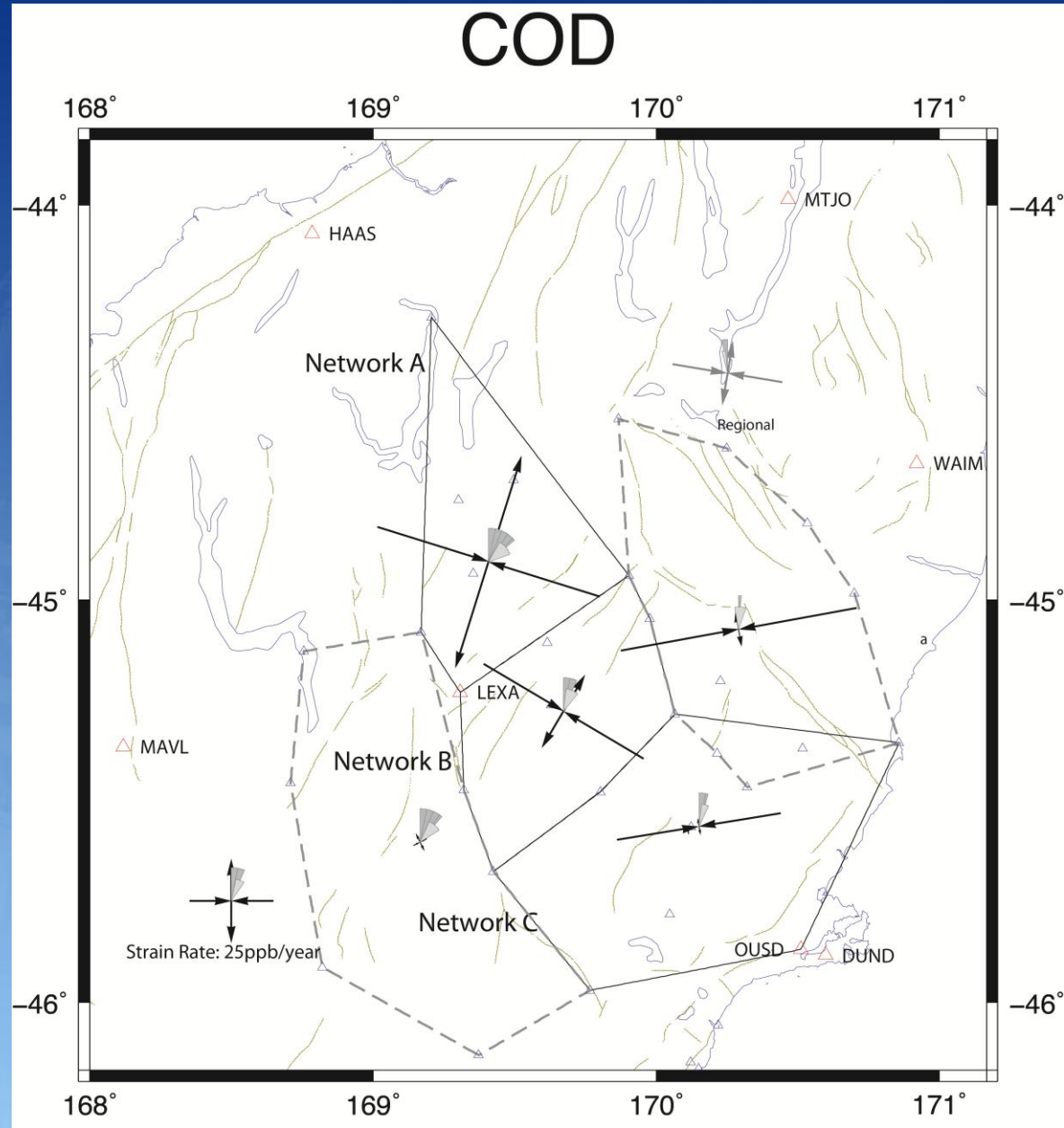
Correction applied

COD

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Strain networks

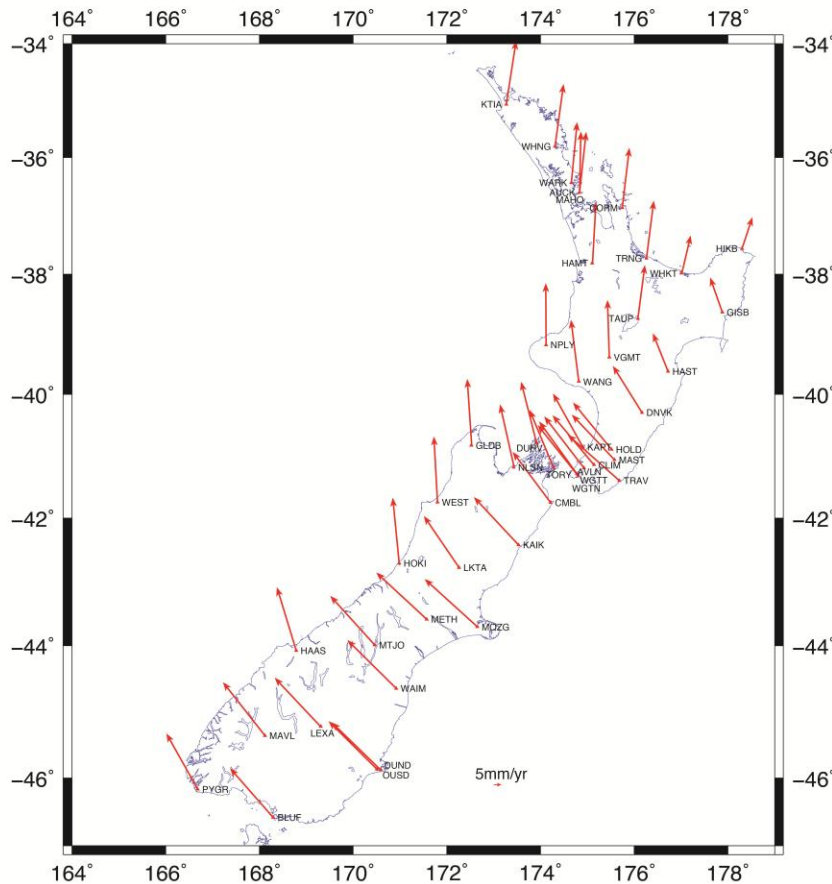


Effect of SSE correction

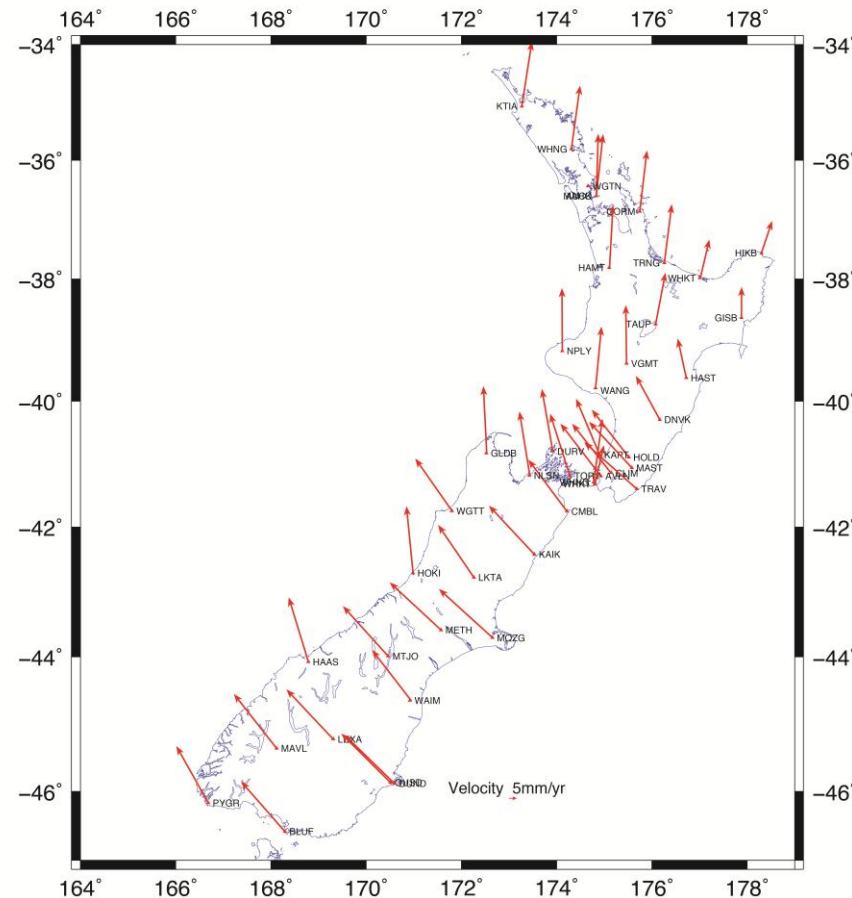
With SSE correction

No SSE correction

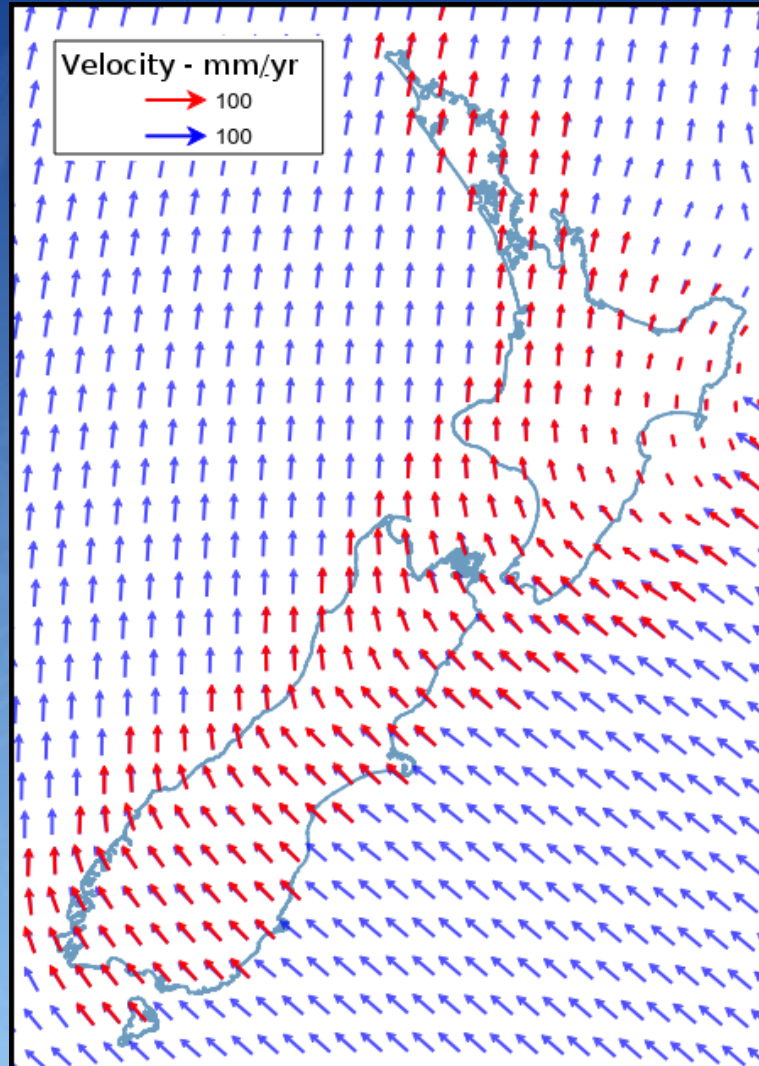
PositionNZ Stations



PositionNZ Stations

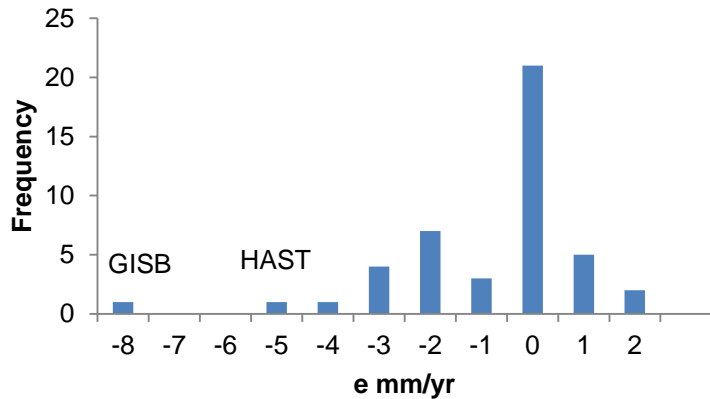


Secular velocity field in the national deformation model

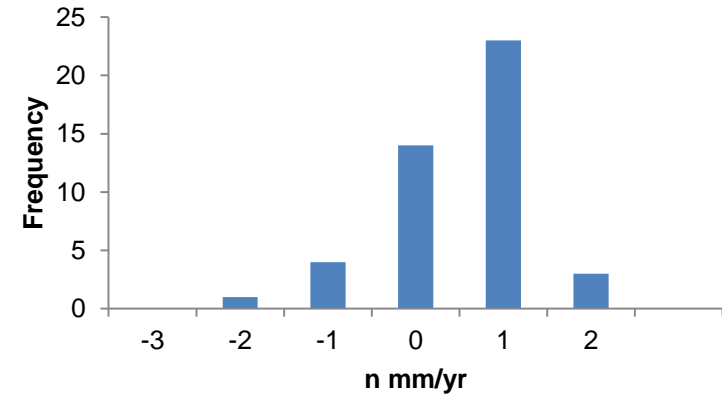


Velocity comparison

NDM-SPRM mm/yr



NDM-SPRM mm/yr



GISB time series

