The need for magnetic measurements along Puységur and the history of spreading between AUS and PAC

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Seafloor spreading provinces

Red = E. Ant- W. Antarctica
Pink = Pacific-Australia
Purple = Macquarie-Antarctic
Blue = Pac-Ant
Lt green = Aus-E. Ant
Dk green = Aus-W. Ant
Yellow = Tasman Sea
Green lines -- ship tracks
Orange = “continental”
Province boundaries from Keller (2004)
Plate Motion Movie from Steve Cande
Magnetic anomaly picks from GSFML data base

J. Stock
GeoPrisms Mini Workshop
Puysegur
The modern Australia plate

Cande & Stock 2004: Macquarie Plate; Diffuse deformation zone adjacent to trench – (intraplate earthquakes from Valenzuela & Wysession, 1993)