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Sea level variability in the Argentine Basin.

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In maps of rate of sea level rise based on satellite altimetry over the past 15 years, the Argentine Basin stands out as a region with a particularly large trend, exceeding 2 cm per year in places. This is also a dynamically complex region in which a strong recirculation is thought to be maintained by the action of eddies over a topographic gradient. This presentation will survey the state of knowledge of this region, including the results of recent in-situ measurements which confirm the presence of a highly energetic barotropic wave mode, and will illustrate the extent to which variations in observed eddy activity can explain the unusual sea level trend in this region.