



## Sea level rise at Kerguelen Island over the last 55 years

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Relative sea level rise at Kerguelen Island over the last 55 years has been investigated using a combination of historical and recent tide gauge data. The best estimate of the relative sea level trend from data sets spanning 38 years is estimated to be  $1.1 \pm 0.7$  mm yr<sup>-1</sup>. We have tried to quantify the error budget due to some of the possible sources of uncertainty. As expected, the main source of uncertainty comes from oceanic interannual variability, preventing an accurate estimate of the sea level trend over short record lengths. However, our values are reasonably consistent with other reported Southern Hemisphere sea level trends for similar time periods, given the regional variations that exist.