Project Title: What does remote sensing tell us about ocean characteristics around the Maritime Continent?

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Synopsis: The maritime continent region, due to its geographical location is an intriguing region of study for atmospheric and oceanographic circulation. However, the region also poses many challenges for collecting observations due to its complex land-sea configuration and therefore remotely sensed data here is an invaluable resource. A better understanding of the dynamics governing the region has the capacity to improve our understanding of atmospheric convection, equatorial dynamics and regional ocean circulation. The student will investigate remotely sensed data in the region with scope to choose from a range of data such as sea surface height (SSH), sea surface temperature (SST), wind scatterometers and ocean colour. For example, the student may examine ocean colour and SST to investigate primary productivity or SSH to examine long term sea level variability. Familiarity with Matlab or similar program necessary.

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