**Table S1** Average changes in coastal sea surface temperatures (SST) between 1982 and 2010 at study locations (data for Gladstone, Flinders Reef, Cook Island, Solitary Islands, South West Rocks from Lima & Wethey 2012). Average SST change per decade for Lord Howe Island was calculated from NOAA OI 1⁄4 Degree Daily SST Analysis data following the methods of Lima & Wethey (2012).

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| --- | --- | --- | --- |
| Location | Average SST Change (°C per decade ± SE) | Average change in # of annual extreme hot days | Average change in # of annual extreme cold days |
| Heron Island (Gladstone) | 0.15 ± 0.01 \* | 7.4 ± 5.17 ns | -4.57 ± 5.44 ns |
| Flinders Reef | 0.21 ± 0.01 \* | 8.6 ± 5.18 ns | -6.41 ± 4.78 ns |
| Cook Island | 0.19 ± 0.01 \* | 10.22 ± 4.71 \* | -7.12 ± 3.72 ns |
| Solitary Islands | 0.24 ± 0.01 \* | 13.1 ± 5.66 \* | -11.65 ± 4.39 \* |
| South West Rocks | 0.22 ± 0.01 \* | 14.63 ± 5.67 \* | -9.57 ± 3.37  \* |
| Lord Howe Island | 0.19 ± 0.01 \* |  |  |