

Chagos Archipelago - Danger Island (BIDI16.5)

Danger Island · surveyed 2015-03-14



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Coral Health Index: TBD

What was done. The figure is the author's own manual point count, annotated by hand over 13 photographs at 30 points each. 6 further methods were run on the same frames and are reported on the site page.

HARD CORAL COVER

46%

manual point count (13 photos) · other methods on the site page

TODAY'S HEAT LOAD

28.9°C **0.0°C-weeks**

16 Sep 2026 · -0.1°C vs the annual mean (29.0 °C)
· NOAA No heat stress

HEAT STRESS (5-YR MEAN ANNUAL MAX. DHW)

4.4°C-weeks

NOAA annual peaks averaging 4–8 °C-weeks

MAX. DEPTH

4.8 m

dive-log maximum

WATER TEMP. (SURVEY)

—
not logged

PHOTOGRAPHS

4

on file for this site

POSITION

-6.3384, 71.2592



The bleaching site of the Danger Island set: several *Pocillopora* colonies are strongly mottled, with bone-white branch clusters beside fully pigmented ones, a textbook pattern of patchy partial bleaching. Point counts on the photographs independently confirm it, and pale patches on massive *Porites* suggest older partial die-off. Surveyed on the [Living Oceans Foundation's Global Reef Expedition](#).



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CV model comparison (hard-coral cover, %): Manual (published) 45.6 · CoralNet 38.7 · In-house DINOv3 41.8 · CoralSCOP edited 29.7 · Claude 26.3

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 4 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/grc-chagos-archipelago-danger-island-bidi16-5.html> · Heat stress is the mean of the latest five annual maxima of NOAA Coral Reef Watch degree-heating weeks for this reef's NOAA CRW virtual station (Chagos) — a five-year heat history for the station's waters, not a measurement at this site on the dive date.