

Chagos Archipelago - Salomons Island (BISA91)

Salomon · surveyed 2015-04-24



© coralreefdiagnostics.com



Coral Health Index: TBD

What was done. Coral cover here was measured on in-situ benthic transects run by divers on the [Living Oceans Foundation Global Reef Expedition](#) — a diver measurement, not an estimate read off photographs. The written account of the site is a review of its photographs, not a second survey.

HARD CORAL COVER

52%

Benthic surveys

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

21.3 m

dive-log maximum

WATER TEMP. (SURVEY)

30.8°C

+1.7°C vs the 2015 mean sea temperature (29.1°C)

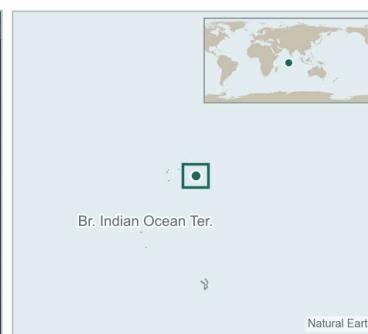
PHOTOGRAPHS

20

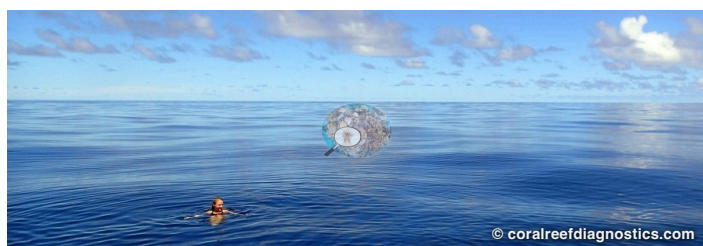
on file for this site

POSITION

-5.3396, 72.2633



A back reef inside Salomon lagoon at 18 m in unusually warm water (30.8°C), with 52% coral cover and a different coral in charge at every depth: *Acropora*, then *Goniopora*, then *Porites*, then a deep transect of 77% *Montipora*. Bleaching was in the worst fifth of Chagos, with bone-white colonies beside pigmented neighbors. Surveyed on the [Living Oceans Foundation's Global Reef Expedition](#).



© coralreefdiagnostics.com



© coralreefdiagnostics.com

CV model comparison (hard-coral cover, %): Transect (published) 52.4 · [CoralNet](#) 46.7 · In-house DINOv3 55.6 · CoralSCOP edited 44.0 · Claude 40.3

Photographs: Anderson Mayfield/Coral Reef Diagnostics — 3 of 20 on file; watermarked · Full site record: <https://api.coralreefdiagnostics.com/site-pages/gre-chagos-archipelago-salomons-island-bisa91.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.