

Projected Ocean Acidification

Dataset Code: oceanAcidification

This dataset shows projections of aragonite saturation in the world's oceans from 2006-2099. The aragonite saturation state (Ω_{arag}) is commonly used to track ocean acidification because it is a measure of carbonate ion concentration, which indicates the availability of the calcium carbonate that is widely used by marine calcifiers, from lobsters to clams to starfish.

Citation:

Van Hooidonk, R., Maynard, J. A., Manzello, D., Planes, S. (2014). Opposite latitudinal gradients in projected ocean acidification and bleaching impacts on coral reefs. *Global Change Biology*, 20(1), 103–112.
<https://doi.org/10.1111/gcb.12394>. Accessed through Resource Watch, (26 April, 2022).
www.resourcewatch.org.

Layers:

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Year/s:	Format:	Resolution:	Units:
2009-2098	.lpk	One degree	Numeric

Source Link:

https://coralreefwatch.noaa.gov/climate/projections/downscaled_bleaching_4km/index.php