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Global ocean change in the era of the triple planetary crisis

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Product Table: Global Ocean

Product ref. No.	Product ID and type	Data access	Documentation
1	Heating rates, EEI, models	Minière et al. (2023)	Minière et al. (2023)
2	SST_GLO_SST_L4_REP_OBSERVATIONS_010_024 (ESA-CCI), satellite observations	EU Copernicus Marine Service Product (2021)	QUID: Good (2021) PUM : Good (2022)
3	GLOBAL_MULTIYEAR_PHY_001_030 (GLO12), numerical models	EU Copernicus Marine Service (2023d)	QUID: Drévillon et al. (2023) PUM: Drévillon et al. (2024)
4	SST_GLO_SST_L4_REP_OBSERVATIONS_010_011 (OSTIA), satellite observations	EU Copernicus Marine Service Product (2023a)	Quality Information Document (QUID): Worsfold et al. (2023) Product User Manual (PUM): Worsfold et al. (2022)
5	SST_GLO_SST_L4_NRT_OBSERVATIONS_010_001 (OSTIA-NRT), satellite observations	EU Copernicus Marine Service Product (2023b)	QUID: Briand et al. (2023) PUM: Martin et al. (2023)
6	Optimum Interpolation Sea Surface Temperature (OISST), satellite observations	Huang et al. (2020)	Banzon et al. (2016)
7	SST_GLO_PHY_L4_NRT_010_043 (ODYSSEA-NRT), satellite observations	EU Copernicus Marine Service Product (2023c)	QUID: Piollé and Autret (2023) PUM: Piollé et al. (2023)
8	OMI_CLIMATE_SL_GLOBAL_area_averaged_anomalies satellite observations	EU Copernicus Marine Service Product (2024a)	QUID: Veillard et al. (2024a) PUM: Pujol et al. (2024a)
9	Institute of Atmospheric Physics (IAP) ocean subsurface temperature, in-situ observations	(Ocean and Climate, 2025)	(Cheng and Zhu, 2016; Cheng et al., 2017; Cheng et al., 2024)

10	NOAA/NESDIS/NCEI Ocean Climate Laboratory, temperature anomaly fields, in-situ observations	(Global Ocean Heat and Salt Content - Temperature Monthly Anomaly Fields (ASCII, netCDF files), 2024)	(Levitus et al., 2012)
11	EN.4.2.2.c14, in-situ observations	(Met Office Hadley Centre observations datasets, 2025)	(Good et al., 2013; Cheng et al., 2014; Gouretski and Cheng, 2020)
12	GLOBAL_OMI_HEALTH_carbon_ph_trend, In-situ observations	EU Copernicus Marine Service Product (2024b)	QUID: Chau et al. (2024) PUM: Chau et al. (2023)
13	Global patterns of Marine Biodiversity	UNEP-WCMC (2010)	Tittensor et al. (2010)
14	Share of marine territorial waters that are protected, geodata	UN Environment Programme (via World Bank) (2025) Natural Earth (2025)	Our World in Data (2025)
15	Global Large Marine Ecosystems, geodata	Large Marine Ecosystem Portal (2020)	Sherman et al. (2004)
16	Position of High Seas, geodata	Marine Regions (2024)	Flanders Marine Institute (2024)
17	Global riverine plastic emissions into the ocean, numerical model	Meijer et al. (2021a) Natural Earth (2025)	Meijer et al. (2021b)
18	IUCN Red List of Threatened Species: tunas	IUCN (2025)	IUCN (2025)
19	IUCN Red List of Threatened Species: warm water reef-building corals	IUCN (2025)	IUCN (2025)
20	OMI_CLIMATE_SL_GLOBAL_regional_trends, satellite observations	EU Copernicus Marine Service Product (2024c)	QUID : Veillard et al. (2024b) PUM : Pujol et al. (2024b)

21	SST_GLO_PHY_L4_MY_010_044 (ODYSSEA-REP), satellite observations	EU Copernicus Marine Service Product (2024d)	QUID: Autret and Piollé (2024) PUM: Autret et al. (2024)

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