

Copernicus Marine Service Catalogue

GLOBAL - PHY

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	001_024	T SST S SSH UV VSDXY MLD SIT SIUV SNOW SIAGE SIALB IST	0.083° - 0.083° - 9 km; 50 levels	[2022-06-18; ongoing]	Hm + Dm + Mm	D + M	SL + SIC and/or SIT + SST + ITSP
MODEL	MY	001_030	T S SSH UV MLD SIT SIUV	0.083° - 0.083° - 9 km; 50 levels	[1993-01-01; 2023-04-30]	Dm + Mm	Y + M	ITSP + SIC and/or SIT + SST + SL
MODEL	MY	001_031	T S SSH UV MLD SIT	0.25° - 0.25° - 28 km; 75 levels	[1993-01-01; 2023-12-15]	Dm + Mm	Y	SL + SST + ITSP + SIC and/or SIT
INSITU	NRT	013_002	T S	0.5° - undefined° - 56 km; 187 levels	[2023-01-15; ongoing]	Mm	M	Level 4, Grid
INSITU	NRT	013_030	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
INSITU	NRT	013_048	T UV	discrete	[1997-01-01; ongoing]	INS + Hm	TwiceY	Level 2, Trajectory, Point, Grid
INSITU	NRT	015_008	DIC PH SPCO2 ALK	0.25° - 0.25° - 28 km; 1 level (surface)	[1985-01-15; ongoing]	Mm	Y + M	None
INSITU	MY	013_001	T S	discrete	[1950-01-01; 2021-12-31]	INS	SEAS	Level 2, Profile, Trajectory, Point
INSITU	MY	013_044	T UV	discrete	[1979-01-12; ongoing]	INS	TwiceY	Level 2, Trajectory, Point, Grid

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Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
INSITU	MY	013_045	SWH MWT	discrete	[1990-01-01; 2022-10-30]	INS	TwiceY	Level 2, Point
INSITU	MY	013_046	CHL NO3 PO4 SI O2	discrete	[1990-01-01; 2021-12-31]	INS	Y	Level 2, Profile, Trajectory, Point
INSITU	MY	013_050	DIC PH ALK	discrete	[1957-10-22; 2024-01-01]	INS	IRR + Y	Level 3, Trajectory, Grid, Profile, Point
INSITU	MY	013_052	T S	0.5° - undefined° - 56 km; 187 levels	[1960-01-01; ongoing]	Mm	TwiceY	Level 4, Grid
INSITU	MY	013_053	SSH	discrete	[1990-01-01; 2022-12-31]	INS + Hm	TwiceY	Level 2, Point
SATELLITE	NRT	008_044	SSH	7° - 7° - 778 km; 1 level (surface)	[2022-01-01; 2020-12-31]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_046	SSH UV	0.125° - 0.125° - 14 km; 1 level (surface)	[2022-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	010_001	SST	0.05° - 0.05° - 6 km; 1 level (surface)	[2007-01-01; ongoing]	Dm + Mm	D	Level 4, Grid
SATELLITE	NRT	010_010	T SST	0.1° - 0.1° - 11 km; 1 level (surface)	[2021-01-01; ongoing]	Dm	D	Level 3, Grid

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Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE	NRT	011_001	SIT SIUV	62.5° - 62.5° - 6949 km; 1 level (surface)	[2019-05-04; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	011_006	SIUV	10° - 10° - 1112 km; 1 level (surface)	[2019-05-04; ongoing]	IRR	Cont	Level 4, Grid
SATELLITE	NRT	011_012	SIC	1° - 1° - 111 km; 1 level (surface)	[2023-02-02; ongoing]	IRR	D	Level 3, Grid
SATELLITE	NRT	011_014	SIT	12.5° - 12.5° - 1390 km; 1 level (surface)	[2010-04-11; ongoing]	Wm	D	Level 4, Grid
SATELLITE	NRT	012_002	WIND	0.125° - 0.125° - 14 km; 1 level (surface)	[2016-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	014_001	WIND SWH	7° - 7° - 778 km; 1 level (surface)	[2021-01-01; ongoing]	INS	Cont	Level 3, Swath
SATELLITE	NRT	014_002	SWH MWT VMDR	discrete	[2018-04-22; ongoing]	Hm	D	Level 3, Swath, Trajectory
SATELLITE	NRT	014_003	SWH	2° - 2° - 222 km; 1 level (surface)	[2021-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	014_004	SWH MWT VMDR	1° - 1° - 111 km; 1 level (surface)	[2021-11-01; ongoing]	Hm	D	Level 4, Grid

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Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE	NRT	014_009	SWH MWT VMDR	70° - 70° - 7782 km; 1 level (surface)	[2019-01-01; ongoing]	INS	D + IRR	Level 3, Swath
SATELLITE	-	008_033	SSH	0.25° - 0.25° - 28 km; 1 level (surface)	[1992-10-23; ongoing]	Y	N/A	Level 4, Grid
SATELLITE	MY	008_047	SSH UV	0.125° - 0.125° - 14 km; 1 level (surface)	[1993-01-01; ongoing]	Dm	several-time-yearly	Level 4, Grid
SATELLITE	MY	008_057	SSH	0.25° - 0.25° - 28 km; 1 level (surface)	[1993-01-01; ongoing]	Mm	several-time-yearly	Level 4, Grid
SATELLITE	MY	008_062	SSH	7° - 7° - 778 km; 1 level (surface)	[1992-10-03; 2020-12-31]	Dm	IRR + Y	Level 3, Swath
SATELLITE	MY	008_063	SSH	0.125° - 0.125° - 14 km; 1 level (surface)	[1993-01-01; ongoing]	Y	IRR + Y	Level 4, Grid
SATELLITE	MY	010_011	SST	0.05° - 0.05° - 6 km; 1 level (surface)	[1981-10-01; 2022-05-31]	Dm	N/A	Level 4, Grid
SATELLITE	MY	010_024	T	0.05° - 0.05° - 6 km; 1 level (surface)	[1981-09-01; 2022-10-31]	Dm	N/A	Level 4, Grid
SATELLITE	MY	011_009		25° - 25° - 2779 km; 1 level (surface)	[1979-01-01; ongoing]	Dm	D + Y	Level 4, Grid

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PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE	MY	011_013	SIT	25° - 25° - 2779 km; 1 level (surface)	[1995-10-01; 2024-04-30]	Mm	Y	Level 3, Grid
SATELLITE	MY	011_018	SIUV	62.5° - 62.5° - 6949 km; 1 level (surface)	[2003-04-01; ongoing]	Dm	M	Level 3, Grid
SATELLITE	MY	011_020	SIUV	10° - 10° - 1112 km; 1 level (surface)	[2014-10-05; ongoing]	Dm	Y	Level 4, Grid
SATELLITE	MY	012_003	WIND	0.25° - 0.25° - 28 km; 1 level (surface)	[1994-07-16; ongoing]	Mm	M	Level 4, Grid
SATELLITE	MY	012_005	WIND	0.125° - 0.125° - 14 km; 1 level (surface)	[1991-08-01; ongoing]	Dm	M	Level 3, Grid
SATELLITE	MY	014_005	SWH	7° - 7° - 778 km; 1 level (surface)	[2002-01-15; 2020-12-31]	INS	N/A	Level 3, Swath
SATELLITE	MY	014_006	SWH MWT VMDR	discrete	[2016-04-14; 2020-12-31]	INS	N/A	Level 3, Swath, Trajectory
SATELLITE	MY	014_007	SWH	2° - 2° - 222 km; 1 level (surface)	[2002-01-15; ongoing]	Dm	D	Level 4, Grid
SATELLITE/INSITU	NRT	012_004	WIND	0.125° - 0.125° - 14 km; 1 level (surface)	[; ongoing]	Hm	D	Level 4, Grid

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PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE/INSITU	NRT	015_003	UV	0.25° - 0.25° - 28 km; 2 levels	[1993-01-01; ongoing]	Hm + Dm + Mm	D + TwiceY	None
SATELLITE/INSITU	NRT	015_012	T S UV MLD	0.25° - 0.25° - 28 km; 50 levels	[1993-01-01; ongoing]	Wm + Mm	Y + M + W	None
SATELLITE/INSITU	NRT	015_013	S SSD	0.125° - 0.125° - 14 km; 1 level (surface)	[1993-01-01; ongoing]	Dm + Mm	W + M + Y	None
SATELLITE/INSITU	NRT	015_014	S	0.25° - 0.25° - 28 km; 1 level (surface)	[2010-01-01; ongoing]	Dm	D	None
SATELLITE/INSITU	MY	012_006	WIND	0.125° - 0.125° - 14 km; 1 level (surface)	[1997-06-01; ongoing]	Hm	M	Level 4, Grid
SATELLITE/INSITU	MY	015_007	UV	0.25° - 0.25° - 28 km; 75 levels	[1993-01-01; ongoing]	Wm	Y	Level 4, Grid
SATELLITE/INSITU	MY	015_015	SST S SSD T	0.25° - 0.25° - 28 km; 1 level (surface)	[2010-05-31; ongoing]	Wm	TwiceY	None

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GLOBAL - WAVE

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	001_027	VSDXY SWH MWT VMDR WIND SW1 SW2	0.083° - 0.083° - 9 km; 1 level (surface)	[2021-11-30; ongoing]	Hm	D	Level 4, Grid
MODEL	MY	001_032	VSDXY SWH MWT VMDR WIND SW1 SW2	0.2° - 0.2° - 22 km; 1 level (surface)	[1980-01-01; 2023-04-30]	Hm + Mm	M	Level 4, Grid
INSITU	NRT	013_030	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
INSITU	NRT	015_008	DIC PH SPCO2 ALK	0.25° - 0.25° - 28 km; 1 level (surface)	[1985-01-15; ongoing]	Mm	Y + M	None
INSITU	MY	013_045	SWH MWT	discrete	[1990-01-01; 2022-10-30]	INS	TwiceY	Level 2, Point

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GLOBAL - BGC

PRODUCTS			CHARACTERISTICS						
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level	
MODEL	NRT	001_028	CHL PHYC PP ZOOC NO3 PO4 SI FE O2 DIC PH SPCO2 ALK KD	0.25° - 0.25° - 28 km; 50 levels	[2021-11-30; ongoing]	Dm + Mm	W + M	CHL	
MODEL	MY	001_029		0.25° - 0.25° - 28 km; 75 levels	[2023-01-01; 2022-12-31]	Dm + Mm	Y + M	None	
MODEL	MY	001_033	T UV MNKC PP ZOOC ZEU	0.083° - 0.083° - 9 km; 3 levels	[1998-01-01; 2023-12-31]	Dm	Y	Level 4, Grid	
INSITU	NRT	013_030	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point	
INSITU	NRT	015_008	DIC PH SPCO2 ALK	0.25° - 0.25° - 28 km; 1 level (surface)	[1985-01-15; ongoing]	Mm	Y + M	None	
INSITU	NRT	015_009	T S NO3 PO4 SI O2 DIC PH SPCO2 ALK	discrete	[2002-09-01; ongoing]	INS	M	None	
INSITU	MY	013_046	CHL NO3 PO4 SI O2	discrete	[1990-01-01; 2021-12-31]	INS	Y	Level 2, Profile, Trajectory, Point	
INSITU	MY	013_050	DIC PH ALK	discrete	[1957-10-22; 2024-01-01]	INS	IRR + Y	Level 3, Trajectory, Grid, Profile, Point	
SATELLITE	NRT	009_101	CHL KD SPM APHY BBP	4° - 4° - 445 km; 1 level (surface)	[; ongoing]	Dm	D	Level 3, Grid	

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PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE	NRT	009_102	CHL PP KD SPM APHY BBP	4° - 4° - 445 km; 1 level (surface)	[2023-04-10; ongoing]	Mm + Dm	D + M	Level 4, Grid
SATELLITE	MY	009_103	CHL KD SPM APHY BBP	4° - 4° - 445 km; 1 level (surface)	[1997-04-09; ongoing]	Dm	D	Level 3, Grid
SATELLITE	MY	009_104	CHL PP RRS KD SPM APHY BBP	4° - 4° - 445 km; 1 level (surface)	[1997-09-01; ongoing]	Dm + Mm	M + D	Level 4, Grid
SATELLITE	MY	009_107	CHL	4° - 4° - 445 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR	Level 3, Grid
SATELLITE	MY	009_108	CHL	4° - 4° - 445 km; 1 level (surface)	[1997-09-04; ongoing]	Mm	IRR	Level 4, Grid
SATELLITE/INSITU	MY	015_010	CHL POC BBP	0.25° - 0.25° - 28 km; 36 levels	[1998-01-01; ongoing]	Wm + Y	Y	None

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PRODUCTS			CHARACTERISTICS						
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level	
MODEL	NRT	002_001	T S UV MLD SIT SIUV SNOW SIAGE SIALB	6.25° - 6.25° - 695 km; 40 levels	[2021-11-30; ongoing]	Hm + Dm + Mm	D + M	SIC and/or SIT + ITSP + SST + SL	
MODEL	NRT	002_011	SIT SIUV SNOW SIALB SIAGE	3° - 3° - 334 km; 1 level (surface)	[2019-11-01; ongoing]	Hm + Mm	D + M	SIC and/or SIT	
MODEL	NRT	002_015		3° - 3° - 334 km; 1 level (surface)	[2017-12-19; ongoing]	sub-hourly	D	Level 4, Grid	
MODEL	MY	002_003	SIT SIUV SNOW SIALB SIAGE	3° - 3° - 334 km; 40 levels	[1993-01-01; ongoing]	Mm + Dm	TwiceY	SST + SL + SIC and/or SIT + ITSP	
MODEL	MY	002_016	VSDXY SWH MWT VMDR WIND SW1 SW2 SIT	3° - 3° - 334 km; 1 level (surface)	[1977-01-01; 2022-11-30]	Hm + Y	TwiceY	ITSP + SIC and/or SIT	
INSITU	NRT	013_031	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Profile, Point, Trajectory	
SATELLITE	NRT	008_059	SSH	7° - 7° - 778 km; 1 level (surface)	[2022-01-01; ongoing]	INS	D + several-time-daily	Level 3, Swath	
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2022-01-01; ongoing]	Dm	D	Level 4, Grid	
SATELLITE	NRT	011_002		1° - 1° - 111 km; 1 level (surface)	[2019-05-04; ongoing]	Dm + IRR	D + TwiceW	Level 4, Grid	

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PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE	NRT	011_007	ICBG	10° - 10° - 1112 km; 1 level (surface)	[2019-05-04; ongoing]	IRR + Wm	IRR + D	Level 4, Grid, Point
SATELLITE	NRT	011_008	SST IST	0.05° - 0.05° - 6 km; 1 level (surface)	[2019-05-04; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	011_015	SIT	1° - 1° - 111 km; 1 level (surface)	[2020-12-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	011_017		0.04° - 0.04° - 4 km; 1 level (surface)	[2021-04-27; ongoing]	Hm	D	Level 3, Grid
SATELLITE	NRT	011_023	SIC	0.5° - 0.5° - 56 km; 1 level (surface)	[2014-03-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	011_024	SIC	1° - 1° - 111 km; 1 level (surface)	[2014-03-10; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	012_100	WIND	1° - 1° - 111 km; 1 level (surface)	[2024-04-01; ongoing]	Dm	D + IRR	Level 3, Grid
SATELLITE	MY	008_061	SSH	7° - 7° - 778 km; 1 level (surface)	[1992-10-03; ongoing]	Dm	IRR + Y	Level 3, Swath
SATELLITE	MY	008_068	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[1993-01-01; ongoing]	Dm + Mm	several-time-yearly	Level 4, Grid

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PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE	MY	008_070	SSH	0.0625° - 0.0625° - 7 km; 1 level (surface)	[; ongoing]	Y	static	Level 4, Grid
SATELLITE	MY	011_010	SIT SIUV	62.5° - 62.5° - 6949 km; 1 level (surface)	[1992-10-01; ongoing]	Wm + Mm + Dm	M	Level 3, Grid
SATELLITE	MY	011_016	SST IST	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; 2023-12-31]	Dm	Y	Level 4, Grid
SATELLITE	MY	011_021	SST IST	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; 2023-12-31]	Dm	Y	Level 3, Grid
SATELLITE	MY	012_105	WIND	1° - 1° - 111 km; 1 level (surface)	[2021-06-27; ongoing]	Dm	IRR	Level 3, Grid

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ARCTIC - WAVE

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	002_014	VSDXY SWH MWT VMDR WIND SW1 SW2	3° - 3° - 334 km; 1 level (surface)	[2017-12-03; ongoing]	Hm	D	Level 4, Grid
MODEL	MY	002_013	VSDXY SWH MWT VMDR WIND SW1 SW2 SIT	3° - 3° - 334 km; 1 level (surface)	[1977-01-01; 2022-11-30]	Hm + Y	TwiceY	Level 4, Grid
INSITU	NRT	013_031	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Profile, Point, Trajectory

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Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level	
MODEL	NRT	002_004	CHL PHYC PP ZOOC POC NO3 PO4 SI O2 DIC PH SPCO2 KD	6.25° - 6.25° - 695 km; 40 levels	[2019-05-04; ongoing]	Dm + Mm	D + M	CHL	
MODEL	MY	002_005		25° - 25° - 2779 km; 40 levels	[2007-01-01; 2021-12-31]	Mm + Dm + Y	Y	NUTS + CHL	
INSITU	NRT	013_031	T SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Profile, Point, Trajectory	
SATELLITE	NRT	009_121	CHL KD	0.3° - 0.3° - 33 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid	
SATELLITE	NRT	009_122	CHL KD	0.3° - 0.3° - 33 km; 1 level (surface)	[2016-04-25; ongoing]	Mm	M	Level 4, Grid	
SATELLITE	NRT	009_201	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid	
SATELLITE	NRT	009_207	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS	Level 4, Grid	
SATELLITE	MY	009_123	CHL RRS KD SPM	4° - 4° - 445 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR + D	Level 3, Grid	
SATELLITE	MY	009_124	CHL	4° - 4° - 445 km; 1 level (surface)	[1997-09-04; ongoing]	Mm + Y	IRR + M	Level 4, Grid	

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MODEL	NRT	003_006	T S SSH UV MLD SIT	2° - 2° - 222 km; 56 levels	[2021-11-30; ongoing]	Hm + Dm + Mm + sub-hourly	D + M	SST + t + s
MODEL	MY	003_011	T S SSH UV MLD SIT	2° - 2° - 222 km; 56 levels	[1993-01-01; ongoing]	Dm + Mm + Y	TwiceY	SST + ITSP
INSITU	NRT	013_032	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Profile, Trajectory, Point
SATELLITE	NRT	008_059	SSH	7° - 7° - 778 km; 1 level (surface)	[2022-01-01; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2022-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	010_032	SST	0.02° - 0.02° - 2 km; 1 level (surface)	[2019-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	010_034	SST	0.02° - 0.02° - 2 km; 1 level (surface)	[2022-05-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	011_004	SIT	1° - 1° - 111 km; 1 level (surface)	[2019-05-04; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	011_011	SIT SIUV	0.5° - 0.5° - 56 km; 1 level (surface)	[2019-05-04; ongoing]	IRR + Dm	D	Level 4, Grid

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PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE	NRT	010_007_b	SST	0.02° - 0.02° - 2 km; 1 level (surface)	[2018-12-04; ongoing]	Dm	D	Level 4, Grid
SATELLITE	MY	008_061	SSH	7° - 7° - 778 km; 1 level (surface)	[1992-10-03; ongoing]	Dm	IRR + Y	Level 3, Swath
SATELLITE	MY	008_068	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[1993-01-01; ongoing]	Dm + Mm	several-time-yearly	Level 4, Grid
SATELLITE	MY	008_070	SSH	0.0625° - 0.0625° - 7 km; 1 level (surface)	[; ongoing]	Y	static	Level 4, Grid
SATELLITE	MY	010_016	SST	0.02° - 0.02° - 2 km; 1 level (surface)	[1982-01-01; ongoing]	Dm	TwiceY	Level 4, Grid
SATELLITE	MY	010_040	SST	0.02° - 0.02° - 2 km; 1 level (surface)	[1982-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	MY	011_019	SIC SIT	1° - 1° - 111 km; 1 level (surface)	[1980-11-03; 2024-06-04]	Dm	Y	Level 4, Grid

Copernicus Marine Service Catalogue

BALTIC - WAVE

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	003_010	VSDXY SWH MWT VMDR WIND SW1 SW2	2° - 2° - 222 km; 1 level (surface)	[2021-11-30; ongoing]	Hm	D	None
MODEL	MY	003_015	VSDXY WIND SWH MWT VMDR SW1 SW2	2° - 2° - 222 km; 1 level (surface)	[1980-01-01; ongoing]	Hm + Y	IRR	Level 4, Grid
INSITU	NRT	013_032	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Profile, Trajectory, Point

Copernicus Marine Service Catalogue

BALTIC - BGC

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	003_007		2° - 2° - 222 km; 56 levels	[2019-05-04; ongoing]	Dm + Mm	D + M	None
MODEL	MY	003_012	CHL NO3 PO4 NH4 O2 PH SPCO2 PP	2° - 2° - 222 km; 56 levels	[1993-01-01; ongoing]	Dm + Mm + Y	TwiceY	Level 4, Grid
INSITU	NRT	013_032	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Profile, Trajectory, Point
SATELLITE	NRT	009_131	CHL KD APHY BBP	0.3° - 0.3° - 33 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_132	CHL	0.3° - 0.3° - 33 km; 1 level (surface)	[2023-04-10; ongoing]	Mm	M	Level 4, Grid
SATELLITE	NRT	009_202	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_208	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS	Level 4, Grid
SATELLITE	MY	009_133	CHL KD	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR	Level 3, Grid
SATELLITE	MY	009_134	CHL PP	4° - 4° - 445 km; 1 level (surface)	[1997-09-04; ongoing]	Mm + Dm	IRR	Level 4, Grid

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European North West Shelf Seas - PHY

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	004_013	T S SSH UV MLD	0.027° - 0.027° - 3 km; 50 levels	[2019-05-04; ongoing]	Hm + Dm + sub-hourly	D	SST + ITSP + SL
MODEL	MY	004_009	T S SSH UV MLD	0.067° - 0.111° - 7 km; 24 levels	[1993-01-01; ongoing]	Dm + Mm + Hm	M + TwiceY	ITSP + SST
INSITU	NRT	013_036	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
SATELLITE	NRT	008_059	SSH	7° - 7° - 778 km; 1 level (surface)	[2022-01-01; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2022-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	010_025	SST	0.02° - 0.02° - 2 km; 1 level (surface)	[2018-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	010_037	T SST	0.02° - 0.02° - 2 km; 1 level (surface)	[2021-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	MY	008_061	SSH	7° - 7° - 778 km; 1 level (surface)	[1992-10-03; ongoing]	Dm	IRR + Y	Level 3, Swath
SATELLITE	MY	008_068	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[1993-01-01; ongoing]	Dm + Mm	several-time-yearly	Level 4, Grid

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European North West Shelf Seas - PHY

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE	MY	008_070	SSH	0.0625° - 0.0625° - 7 km; 1 level (surface)	[; ongoing]	Y	static	Level 4, Grid
SATELLITE	MY	010_026	SST	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; ongoing]	Dm	Y	Level 4, Grid
SATELLITE	MY	010_038	T	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; ongoing]	Dm	D	Level 3, Grid

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European North West Shelf Seas - WAVE

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	004_014	VSDXY SWH MWT VMDR WIND SW1 SW2	0.03° - 0.014° - 3 km; 1 level (surface)	[2019-05-04; ongoing]	Hm	twice-daily	None
MODEL	MY	004_015	VSDXY SWH MWT VMDR WIND SW1 SW2	0.0303° - 0.0135° - 3 km; 1 level (surface)	[1980-01-01; ongoing]	Hm	TwiceY	None
INSITU	NRT	013_036	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
INSITU	-	-	SWH	discrete	[2000-01-01; 2021-12-31]		Y	, Grid

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European North West Shelf Seas - BGC

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	004_002	CHL PHYC PP ZOOC NO3 PO4 SI FE NH4 O2 DIC PH SPCO2 KD ZEU	0.027° - 0.027° - 3 km; 50 levels	[2021-11-30; ongoing]	Dm + Mm	W + M	None
MODEL	MY	004_011	CHL PHYC PP NO3 PO4 O2 PH SPCO2 KD	0.067° - 0.111° - 7 km; 24 levels	[1993-01-01; ongoing]	Dm + Mm	M + TwiceY	CHL
INSITU	NRT	013_036	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
SATELLITE	NRT	009_111	CHL KD SPM APHY BBP	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_116	CHL	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm + Mm	D + M	Level 4, Grid
SATELLITE	NRT	009_203	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_209	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS	Level 4, Grid
SATELLITE	MY	009_113	CHL RRS KD SPM APHY BBP	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR + D	Level 3, Grid
SATELLITE	MY	009_118	CHL PP	1° - 1° - 111 km; 1 level (surface)	[1997-04-09; ongoing]	Dm + Mm	D + M	Level 4, Grid

Copernicus Marine Service Catalogue

Iberia Biscay Ireland Reginal Seas - PHY

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	005_001	T S SSH UV MLD	0.028° - 0.028° - 3 km; 50 levels	[2019-05-04; ongoing]	Hm + Dm + Mm + sub-hourly	D + M	SST + ITSP + SL
MODEL	MY	005_002	T S SSH UV MLD	0.083° - 0.083° - 9 km; 50 levels	[1993-01-01; ongoing]	Dm + Mm + Y	Y + M	SL + ITSP + SST
INSITU	NRT	013_033	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
SATELLITE	NRT	008_059	SSH	7° - 7° - 778 km; 1 level (surface)	[2022-01-01; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2022-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	010_025	SST	0.02° - 0.02° - 2 km; 1 level (surface)	[2018-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	010_037	T SST	0.02° - 0.02° - 2 km; 1 level (surface)	[2021-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	MY	008_061	SSH	7° - 7° - 778 km; 1 level (surface)	[1992-10-03; ongoing]	Dm	IRR + Y	Level 3, Swath
SATELLITE	MY	008_068	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[1993-01-01; ongoing]	Dm + Mm	several-time-yearly	Level 4, Grid

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Iberia Biscay Ireland Reginal Seas - PHY

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE	MY	008_070	SSH	0.0625° - 0.0625° - 7 km; 1 level (surface)	[; ongoing]	Y	static	Level 4, Grid
SATELLITE	MY	010_026	SST	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; ongoing]	Dm	Y	Level 4, Grid
SATELLITE	MY	010_038	T	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; ongoing]	Dm	D	Level 3, Grid



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Iberia Biscay Ireland Reginal Seas - WAVE

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	005_005	VSDXY SWH MWT VMDR WIND SW1 SW2	0.0278° - 0.0278° - 3 km; 1 level (surface)	[2021-11-30; ongoing]	Hm	D	wave spectra
MODEL	MY	005_006	VSDXY WIND SWH MWT VMDR SW1 SW2	0.027° - 0.027° - 3 km; 1 level (surface)	[1980-01-01; 2023-12-30]	Hm + Y	Y	Level 4, Grid
INSITU	NRT	013_033	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
INSITU	-	-	SWH	discrete	[2000-01-01; 2021-12-31]		Y	, Grid

Copernicus Marine Service Catalogue

Iberia Biscay Ireland Reginal Seas - BGC

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	005_004	CHL PHYC PP ZOOC NO3 PO4 SI FE NH4 O2 DIC PH SPCO2 KD ZEU	0.028° - 0.028° - 3 km; 50 levels	[2019-05-04; ongoing]	Dm + Mm	W + M	None
MODEL	MY	005_003	CHL PHYC PP ZOOC NO3 PO4 SI FE NH4 O2 DIC PH SPCO2 ZEU	0.083° - 0.083° - 9 km; 50 levels	[1993-01-01; ongoing]	Dm + Mm + Y + Y	Y + M	None
INSITU	NRT	013_033	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
SATELLITE	NRT	009_111	CHL KD SPM APHY BBP	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_116	CHL	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm + Mm	D + M	Level 4, Grid
SATELLITE	NRT	009_204	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_210	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS	Level 4, Grid
SATELLITE	MY	009_113	CHL RRS KD SPM APHY BBP	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR + D	Level 3, Grid
SATELLITE	MY	009_118	CHL PP	1° - 1° - 111 km; 1 level (surface)	[1997-04-09; ongoing]	Dm + Mm	D + M	Level 4, Grid

Copernicus Marine Service Catalogue

Mediterranean Sea - PHY

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	006_013	T S SSH UV MLD	0.042° - 0.042° - 5 km; 141 levels	[2021-11-30; ongoing]	Hm + Dm + Mm + sub-hourly	D + M	ITSP + SST + SL
MODEL	MY	006_004	T S SSH UV MLD	0.042° - 0.042° - 5 km; 141 levels	[1987-01-01; ongoing]	Dm + Mm + Hm	M + D + Y	ITSP + SST + SL
INSITU	NRT	013_035	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
SATELLITE	NRT	008_059	SSH	7° - 7° - 778 km; 1 level (surface)	[2022-01-01; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2022-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	010_004	SST	0.01° - 0.01° - 1 km; 1 level (surface)	[2008-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	010_012	T SST	0.01° - 0.01° - 1 km; 1 level (surface)	[2008-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	010_036	T	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2019-01-01; ongoing]	Hm	D	Level 4, Grid
SATELLITE	MY	008_061	SSH	7° - 7° - 778 km; 1 level (surface)	[1992-10-03; ongoing]	Dm	IRR + Y	Level 3, Swath

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Mediterranean Sea - PHY

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE	MY	008_066	SSH	0.0417° - 0.0417° - 5 km; 1 level (surface)	[1993-01-01; ongoing]	Y	IRR + Y	Level 4, Grid
SATELLITE	MY	008_068	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[1993-01-01; ongoing]	Dm + Mm	several-time-yearly	Level 4, Grid
SATELLITE	MY	008_070	SSH	0.0625° - 0.0625° - 7 km; 1 level (surface)	[; ongoing]	Y	static	Level 4, Grid
SATELLITE	MY	010_021	SST	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	MY	010_042	SST	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; ongoing]	Dm	D	Level 3, Grid

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Mediterranean Sea - WAVE

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	006_017	VSDXY SWH MWT VMDR WIND SW1 SW2	0.042° - 0.042° - 5 km; 1 level (surface)	[2021-11-30; ongoing]	Hm	D	Level 4, Grid
MODEL	MY	006_012	VSDXY SWH MWT VMDR WIND SW1 SW2	0.042° - 0.042° - 5 km; 1 level (surface)	[1985-01-01; ongoing]	Hm + Mm	Y + M	Level 4, Grid
INSITU	NRT	013_035	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
INSITU	-	-	SWH	discrete	[2000-01-01; 2021-12-31]		Y	, Grid

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Mediterranean Sea - BGC

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	006_014	CHL PHYC PP ZOOC NO3 PO4 SI NH4 O2 DIC PH SPCO2 ALK KD	0.042° - 0.042° - 5 km; 125 levels	[2020-11-29; ongoing]	Dm + Mm	D + M	CHL + NUTS
MODEL	MY	006_008	CHL PHYC PP NO3 PO4 NH4 O2 DIC PH SPCO2 ALK	0.042° - 0.042° - 5 km; 125 levels	[; ongoing]	Mm + Dm + Y + Y	TwiceY + M + Y	CHL
INSITU	NRT	013_035	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
SATELLITE	NRT	009_141	CHL KD APHY BBP	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_142	CHL KD	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm + Mm	D + M	Level 4, Grid
SATELLITE	NRT	009_205	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_211	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS	Level 4, Grid
SATELLITE	MY	009_143	CHL PP KD APHY BBP	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR	Level 3, Grid
SATELLITE	MY	009_144	CHL PP	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm + Mm + Y	IRR	Level 4, Grid

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Black Sea - PHY

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	007_001	T S SSH UV MLD	0.025° - 0.025° - 3 km; 121 levels	[2021-11-30; ongoing]	Hm + Dm + Mm + sub-hourly	D + M	ITSP + SL + SST
MODEL	MY	007_004	T S SSH UV MLD	0.025° - 0.025° - 3 km; 121 levels	[1993-01-01; ongoing]	Dm + Mm + Y + Y	M + TwiceY + Y	ITSP + SL
INSITU	NRT	013_034	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Point, Profile
SATELLITE	NRT	008_059	SSH	7° - 7° - 778 km; 1 level (surface)	[2022-01-01; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2022-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	010_006	SST	0.01° - 0.01° - 1 km; 1 level (surface)	[2008-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	010_013	T SST	0.01° - 0.01° - 1 km; 1 level (surface)	[2008-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	010_035	T	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2020-01-01; ongoing]	Hm	D	Level 4, Grid
SATELLITE	MY	008_061	SSH	7° - 7° - 778 km; 1 level (surface)	[1992-10-03; ongoing]	Dm	IRR + Y	Level 3, Swath

Copernicus Marine Service Catalogue

Black Sea - PHY

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
SATELLITE	MY	008_067	SSH	0.0625° - 0.0625° - 7 km; 1 level (surface)	[1993-01-01; ongoing]	Y	N/A	Level 4, Grid
SATELLITE	MY	008_068	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[1993-01-01; ongoing]	Dm + Mm	several-time-yearly	Level 4, Grid
SATELLITE	MY	008_070	SSH	0.0625° - 0.0625° - 7 km; 1 level (surface)	[; ongoing]	Y	static	Level 4, Grid
SATELLITE	MY	010_022	SST	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; ongoing]	Dm	D	Level 4, Grid
SATELLITE	MY	010_041	SST	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; ongoing]	Dm	D	Level 4, Grid

Copernicus Marine Service Catalogue

Black Sea - WAVE

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	007_003	VSDXY SWH MWT VMDR WIND SW1 SW2	0.025° - 0.025° - 3 km; 1 level (surface)	[2021-11-30; ongoing]	Hm	twice-daily	wind speed
MODEL	MY	007_006	VSDXY SWH MWT VMDR WIND SW1 SW2	0.025° - 0.025° - 3 km; 1 level (surface)	[1950-01-08; ongoing]	Hm + Y	M + Y	Level 4, Grid
MODEL	-	-		discrete	[1950-01-01; 2022-12-31]	Y	Y	, timeseries
MODEL	-	-		discrete	[1950-01-01; 2022-12-31]	Y	Y	, timeseries
INSITU	NRT	013_034	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Point, Profile

Copernicus Marine Service Catalogue

Black Sea - BGC

PRODUCTS			CHARACTERISTICS					
Models / Observations	Type (NRT / MY)	References	Parameters	Horizontal And Vertical Resolutions	Temporal Coverage [Start Date; End Date]	Temporal Resolution	Update Frequency	Data Assimilated / Processing Level
MODEL	NRT	007_010	CHL PHYC PP NO3 PO4 O2 DIC PH SPCO2 ALK KD	0.025° - 0.025° - 3 km; 59 levels	[2021-11-30; ongoing]	Dm + Mm + Hm	D + M	CHL
MODEL	MY	007_005	SSH CHL PHYC PP NO3 PO4 O2 DIC PH SPCO2 ALK	0.025° - 0.025° - 3 km; 59 levels	[1992-01-01; ongoing]	Dm + Mm + Y	M + TwiceY + Y	CHL
INSITU	NRT	013_034	T S SSH UV SWH MWT VMDR CHL O2	discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Point, Profile
SATELLITE	NRT	009_151	CHL KD APHY BBP	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_152	CHL PP KD	4° - 4° - 445 km; 1 level (surface)	[2023-04-10; ongoing]	Dm + Mm	D + M	Level 4, Grid
SATELLITE	NRT	009_206	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_212	CHL SPM TUR BBP	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS	Level 4, Grid
SATELLITE	MY	009_153	CHL KD APHY BBP	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR	Level 3, Grid
SATELLITE	MY	009_154	CHL	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm + Mm	IRR	Level 4, Grid

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Acronyms Legend

ALK	Alkalinity
APHY	Absorption coefficient
BBP	Back scattering coefficient
bottomT	Bottom temperature
CDM	Absorption coefficient
CHL	Chlorophyll-a
DIC	Dissolved Inorganic Carbon
FCO2	fugacity of CO2
FE	Iron
FGCO2	Surface flux of CO2
ICBG	Iceberg
IST	Ice Surface Temperature
KD	Light attenuation
MLD	Mixed layer thickness
MNKC	micronekton
MWT	wave mean period
NH4	Ammonium
NO3	Nitrate
O2	Oxygen

PAR	Merged incoming photosynthetic active radiation
PFT	Phytoplankton Functional Types
PH	Acidity
PHYC	Phytoplankton
PO4	Phosphate
POC	Particulate Organic Matter
PP	Primary production
PSC	Phytoplankton Sizes Class Types
RRS	Reflectance
S	Salinity
SI	Silicate
SIAGE	Sea ice age
SIALB	Sea ice albedo
SIC	Sea ice concentration
SIE	Sea ice extend
SIT	Sea ice thickness
SIUV	Sea ice velocity
SNOW	Snow
SPCO2	surface partial pressure of CO2

SPM	Suspended matter
SSD	Sea surface density
SSH	Sea surface height
SST	Sea surface temperature
SW1	primary swell wave
SW2	secondary swell wave
SWH	wave significant height
T	Temperature
TUR	Turbidity
UV	Sea water velocity
UVB	Barotropic velocity
UVG	Geostrophic velocity
VMDR	wave mean direction
VSDXY	Stokes drift
W	Sea water velocity
WIND	WIND
WW	wind wave
ZEU	Euphotic zone depth
ZOOC	Zooplankton
SITYPE	Sea ice classification

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Legend

TEMPORAL RESOLUTIONS	
INS	Instantaneous
IRR	Irregular
MINm	Minutes Mean
MINinst	Minutes Instantaneous
Hm	Hourly Mean
Hinst	Hourly Instantaneous
Dm	Daily Mean
Dinst	Daily Instantaneous
Dinterp	Daily Interpolated
Wm	Weekly Mean
Winst	Weekly Instantaneous
Mm	Monthly Mean
SEASm	Seasonal Mean
Y	Annual Mean
Y	Yearly Mean
Y	Pluri Annual Mean
Y	Pluri Annual Climatology Mean
Y	Multi-year

UPDATE FREQUENCIES	
Cont	Continual
H	Times Daily
D	Daily
W	Weekly
TwiceW	Twice Weekly
M	Monthly
TwiceM	Fortnightly
SEAS	Quarterly
Y	Annually
TwiceY	Biannually
IRR	Irregular
N/A	Not applicable

MODEL ASSIMILATIONS	
ITSP	In-Situ TS Profiles
NUTS	Nutrients (O2 N P)
CHL	Satellite Chlorophyll
SIC and/or SIT	Sea Ice Concentration and/or Thickness
SL	Sea Level
SWH	Sea Wave Height (SWH)
SST	SST
N/A	Not Applicable
None	None

COLOR CELLS		
MODEL	#22689b	#79b6e2
INSITU	#f06542	#f6b4a2
SATELLITE	#57b279	#abd8bc
SATELLITE/INSITU	#db57c3	#f3b9e8