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	SIUV UV MLD SIALB IST SIT SSH VSDXY T S SNOW	0.083° - 0.083° - 9 km; 50 levels	[2022-06-18; ongoing]	Hm + Dm + Mm	D + M	SL + SST + ITSP + SIC and/or SIT
MODEL	MY	001_030	SIUV UV MLD SIT SSH T S	0.083° - 0.083° - 9 km; 50 levels	[1993-01-01; ongoing]	Dm + Mm	Y + M	ITSP + SIC and/or SIT + SST + SL
MODEL	MY	001_031		0.25° - 0.25° - 28 km; 75 levels	[1993-01-01; 2025-12-15]	Dm + Mm	Y	SL + ITSP + SST + SIC and/or SIT
MODEL	MY	001_034		0.25° - 0.25° - 28 km; 75 levels	[1961-01-01; 2024-12-31]	Dm + Mm	unknown	SST + s + t
INSITU	NRT	013_002	S T	0.5° - undefined° - 56 km; 187 levels	[2023-01-15; ongoing]	Mm	M	Level 4, Grid
INSITU	NRT	013_030		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
INSITU	NRT	013_048		discrete	[1997-01-01; ongoing]	INS + Hm	D + W	Level 2, Trajectory, Point, Grid
INSITU	MY	013_001	S T	discrete	[1950-01-01; 2021-12-31]	INS	TwiceY + SEAS	Level 2, Profile, Trajectory, Point
INSITU	MY	013_044		discrete	[1979-01-12; ongoing]	INS	TwiceY + M + D	Level 2, Trajectory, Point, 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**
INSITU	MY	013_045		discrete	[1990-01-01; 2022-10-30]	INS	TwiceY	Level 2, Point
INSITU	MY	013_046	NO3 PO4 SI O2	discrete	[1990-01-01; 2021-12-31]	INS	Y	Level 2, Profile, Trajectory, Point
INSITU	MY	013_052	S T	0.5° - undefined° - 56 km; 187 levels	[1960-01-01; ongoing]	Mm	TwiceY	Level 4, Grid
INSITU	MY	013_053		discrete	[1821-01-01; ongoing]	INS + Hm + Dm	TwiceY	Level 2, Point
SATELLITE	NRT	008_044	SSH	7° - 7° - 778 km; 1 level (surface)	[2023-11-25; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_046	SSH UV	0.125° - 0.125° - 14 km; 1 level (surface)	[2023-11-25; 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	D	Level 4, Grid
SATELLITE	NRT	010_005	SST	0.25° - 0.25° - 28 km; 1 level (surface)	[2026-01-01; ongoing]	Dm	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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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
SATELLITE	NRT	011_001	SITYPE	62.5° - 62.5° - 6949 km; 1 level (surface)	[2019-05-04; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	011_006		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	SWH WIND	1.4° - 1.4° - 156 km; 1 level (surface)	[2024-01-01; ongoing]	Hm	Cont	Level 3, Swath
SATELLITE	NRT	014_002	SWH	discrete	[2020-04-01; 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	1° - 1° - 111 km; 1 level (surface)	[2021-11-01; ongoing]	Hm	D	Level 4, Grid

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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
SATELLITE	NRT	014_009	SWH	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)	[; 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]	Dm	several-time-yearly	Level 4, Grid
SATELLITE	MY	008_062	SSH	7° - 7° - 778 km; 1 level (surface)	[2023-11-25; ongoing]	INS	D + several-time-daily	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)	[1980-01-01; ongoing]	Dm	N/A	Level 4, Grid
SATELLITE	MY	010_039	T SST	0.1° - 0.1° - 11 km; 1 level (surface)	[1982-01-01; ongoing]	Dm	Y	Level 3, Grid

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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**
SATELLITE	MY	011_009		25° - 25° - 2779 km; 1 level (surface)	[1978-10-25; ongoing]	Dm	IRR	Level 4, Grid
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		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	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

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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
SATELLITE/INSITU	NRT	012_004	WIND	0.125° - 0.125° - 14 km; 1 level (surface)	[; ongoing]	Hm	D	Level 4, Grid
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_003		-18° - 0.125° - -2001 km; 2 levels	[1993-01-01; ongoing]	Hm + Dm + Mm	D + TwiceY	None
SATELLITE/INSITU	NRT	015_007	UV	0.25° - 0.25° - 28 km; 75 levels	[1993-01-01; ongoing]	Hm	Y + W	Level 4, Grid
SATELLITE/INSITU	NRT	015_012	UV MLD S T	0.125° - 0.125° - 14 km; 1 level (surface)	[1993-01-01; ongoing]	Mm + Dm	Y + D + W	Level 4, Grid
SATELLITE/INSITU	NRT	015_013	SSD S	0.125° - 0.125° - 14 km; 1 level (surface)	[1993-01-01; ongoing]	Dm + Mm	D + 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_015	SSD S SST 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	SW1 MWT SW2 SWH VSDXY WIND	0.083° - 0.083° - 9 km; 1 level (surface)	[2021-11-30; ongoing]	Hm	D	significant wave height (swh)
MODEL	MY	001_032	SW1 MWT SW2 SWH VSDXY WIND	0.2° - 0.2° - 22 km; 1 level (surface)	[1980-01-01; ongoing]	Hm + Mm	M + Y	significant wave height (swh)
INSITU	NRT	013_030		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
INSITU	MY	013_045		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	DIC FE O2 NO3 PO4 PHYC SI PP ALK	0.25° - 0.25° - 28 km; 50 levels	[2023-11-29; ongoing]	Dm + Mm	D + M	CHL
MODEL	MY	001_029	FE O2 NO3 PO4 PHYC SI PP	0.25° - 0.25° - 28 km; 75 levels	[2023-01-01; ongoing]	Dm + Mm	M	None
MODEL	MY	001_033	UV ZEU MNKC ZOOC T	0.083° - 0.083° - 9 km; 3 levels	[1998-01-01; 2025-12-31]	Dm	TwiceY	Level 4, Grid
INSITU	NRT	013_030		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
INSITU	NRT	015_008	DIC ALK	0.25° - 0.25° - 28 km; 1 level (surface)	[1985-01-15; ongoing]	Mm	Y + M	None
INSITU	NRT	015_009	DIC NO3 O2 PO4 SI S T ALK	discrete	[2002-09-01; ongoing]	INS	M	None
INSITU	MY	013_046	NO3 PO4 SI O2	discrete	[1990-01-01; 2021-12-31]	INS	Y	Level 2, Profile, Trajectory, Point
SATELLITE	NRT	009_101	PHYC POC SPM APHY	4° - 4° - 445 km; 1 level (surface)	[; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_102	PHYC POC SPM APHY	4° - 4° - 445 km; 1 level (surface)	[2023-04-10; ongoing]	Mm + Dm	D + M	Level 4, Grid

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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**
SATELLITE	NRT	015_016		0.01° - 0.01° - 1 km; 1 level (surface)	[2023-11-25; ongoing]	Dm + sub-hourly + Wm	D	None
SATELLITE	MY	009_103	PHYC POC SPM APHY	4° - 4° - 445 km; 1 level (surface)	[1997-04-09; ongoing]	Dm	D	Level 3, Grid
SATELLITE	MY	009_104	PHYC POC SPM APHY	4° - 4° - 445 km; 1 level (surface)	[1997-09-01; ongoing]	Dm + Mm	M + Y	Level 4, Grid
SATELLITE	MY	009_107	PHYC	4° - 4° - 445 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR	Level 3, Grid
SATELLITE	MY	009_108		4° - 4° - 445 km; 1 level (surface)	[1997-09-04; ongoing]	Mm	IRR	Level 4, Grid
SATELLITE/INSITU	MY	015_010		0.25° - 0.25° - 28 km; 36 levels	[1998-01-01; ongoing]	Wm + Mm	Y	None

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ARCTIC - 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	002_001		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		3° - 3° - 334 km; 1 level (surface)	[2019-08-01; ongoing]	Hm + Mm	D + M	SIC and/or SIT + sit
MODEL	NRT	002_015		3° - 3° - 334 km; 1 level (surface)	[2018-01-01; ongoing]	sub-hourly	D	Level 4, Grid
MODEL	MY	002_003	MLD T UV	12.5° - 12.5° - 1390 km; 40 levels	[1993-01-01; ongoing]	Mm + Dm + Y	TwiceY	SL + SST + SIC and/or SIT + ITSP
MODEL	MY	002_016		3° - 3° - 334 km; 1 level (surface)	[1993-01-15; 2022-12-15]	Mm	unknown	ITSP + SIC and/or SIT
INSITU	NRT	013_031		discrete	[1990-01-01; ongoing]	INS	several-time-daily + D	Level 2, Profile, Point, Trajectory
SATELLITE	NRT	008_059	SSH	7° - 7° - 778 km; 1 level (surface)	[2023-11-25; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2023-11-25; 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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ARCTIC - 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	NRT	011_007	ICBG	10° - 10° - 1112 km; 1 level (surface)	[2025-11-01; ongoing]		D	Level 3, Grid, Point
SATELLITE	NRT	011_008	IST SST	0.05° - 0.05° - 6 km; 1 level (surface)	[2019-05-04; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	011_022	IST SST	0.05° - 0.05° - 6 km; 1 level (surface)	[2025-11-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	011_023	SIC	0.5° - 0.5° - 56 km; 1 level (surface)	[2014-10-03; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	011_024	SIC	1° - 1° - 111 km; 1 level (surface)	[2014-10-03; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	012_100	WIND	1.3° - 1.3° - 145 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
SATELLITE	MY	008_070	SSH	0.0625° - 0.0625° - 7 km; 1 level (surface)	[; ongoing]	Y	static	Level 4, Grid

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ARCTIC - 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**	011_010	SIUV SIT	62.5° - 62.5° - 6949 km; 1 level (surface)	[1992-10-01; ongoing]	Wm + Mm + Dm	M	Level 3, Grid
SATELLITE	**MY**	011_016	IST SST	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; 2026-12-31]	Dm	Y	Level 4, Grid
SATELLITE	**MY**	011_021	IST SST	0.05° - 0.05° - 6 km; 1 level (surface)	[1982-01-01; 2026-06-30]	Dm	Y	Level 3, Grid
SATELLITE	**MY**	011_025		65° - 65° - 7227 km; 1 level (surface)	[1995-09-15; ongoing]	Dm	M	Level 4, Grid
SATELLITE	**MY**	012_105	WIND	1.3° - 1.3° - 145 km; 1 level (surface)	[2018-03-13; 2024-12-31]	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	SW1 MWT SW2 SWH VSDXY WIND	3° - 3° - 334 km; 1 level (surface)	[2017-12-03; ongoing]	Hm	D	Level 4, Grid
MODEL	MY	002_013	SIT SW1 MWT SW2 SWH VSDXY WIND	3° - 3° - 334 km; 1 level (surface)	[1960-01-01; 2026-07-31]	Hm + Y	TwiceY	Level 4, Grid
INSITU	NRT	013_031		discrete	[1990-01-01; ongoing]	INS	several-time-daily + D	Level 2, Profile, Point, Trajectory

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ARCTIC - 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	002_004		6.25° - 6.25° - 695 km; 40 levels	[2022-11-24; 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	CHL + NUTS
INSITU	NRT	013_031		discrete	[1990-01-01; ongoing]	INS	several-time-daily + D	Level 2, Profile, Point, Trajectory
SATELLITE	NRT	009_121		0.3° - 0.3° - 33 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_122		0.3° - 0.3° - 33 km; 1 level (surface)	[2016-04-26; ongoing]	Mm	M	Level 4, Grid
SATELLITE	NRT	009_201	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_207	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS	Level 4, Grid
SATELLITE	MY	009_123		4° - 4° - 445 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	D	Level 3, Grid
SATELLITE	MY	009_124		4° - 4° - 445 km; 1 level (surface)	[1997-09-04; ongoing]	Mm + Y	IRR + M	Level 4, Grid

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BALTIC - 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	003_006		2° - 2° - 222 km; 56 levels	[2021-11-30; ongoing]	Hm + Dm + Mm + sub-hourly	D	SST + t + s
MODEL	MY	003_011	UV MLD SIT SSH T S	2° - 2° - 222 km; 56 levels	[1993-01-01; ongoing]	Dm + Mm + Y	TwiceY	SST + ITSP
INSITU	NRT	013_032		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)	[2023-11-25; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2023-11-25; 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	0.8° - 0.8° - 89 km; 1 level (surface)	[2020-03-01; ongoing]	IRR + Dm	D	Level 4, Grid

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BALTIC - 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	NRT	012_102	WIND	0.012° - 0.012° - 1 km; 1 level (surface)	[2024-04-01; ongoing]	Dm	IRR + D	Level 3, Grid
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	T	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	SITYPE SIT	1° - 1° - 111 km; 1 level (surface)	[1980-11-03; 2026-06-04]	Dm	Y	Level 4, Grid
SATELLITE	MY	012_107	WIND	0.012° - 0.012° - 1 km; 1 level (surface)	[2018-03-13; 2024-12-31]	Dm	IRR	Level 3, 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	SW1 MWT SW2 SWH VSDXY WIND	2° - 2° - 222 km; 1 level (surface)	[2021-11-30; ongoing]	Hm	D	None
MODEL	MY	003_015	SW1 MWT SW2 SWH VSDXY WIND	2° - 2° - 222 km; 1 level (surface)	[1980-01-01; ongoing]	Hm + Y	IRR	Level 4, Grid
INSITU	NRT	013_032		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	None
MODEL	MY	003_012	NH4 O2 NO3 PO4 PP	2° - 2° - 222 km; 56 levels	[1993-01-01; ongoing]	Dm + Mm + Y	TwiceY	Level 4, Grid
INSITU	NRT	013_032		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Profile, Trajectory, Point
SATELLITE	NRT	009_131	PHYC APHY	0.3° - 0.3° - 33 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_132		0.3° - 0.3° - 33 km; 1 level (surface)	[2023-04-10; ongoing]	Mm	M	Level 4, Grid
SATELLITE	NRT	009_202	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_208	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS + IRR	Level 4, Grid
SATELLITE	MY	009_133	PHYC POC APHY	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR	Level 3, Grid
SATELLITE	MY	009_134	PP	4° - 4° - 445 km; 1 level (surface)	[1997-09-04; ongoing]	Mm + Dm	IRR	Level 4, Grid

Copernicus Marine Service Catalogue

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_001	UV MLD SSH T S	0.11° - 0.06° - 12 km; 1 level (surface)	[2023-11-25; ongoing]	Dm	D	SST + sl + itsp
MODEL	NRT	004_013	UV MLD SSH T S	0.03° - 0.013° - 3 km; 33 levels	[2023-11-25; ongoing]	Hm + Dm + sub-hourly	D	ITSP + SL + SST
MODEL	MY	004_009	UV MLD SSH T S	0.067° - 0.111° - 7 km; 24 levels	[1993-01-01; ongoing]	Dm + Mm + Hm	M	ITSP + SST
INSITU	NRT	013_036		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)	[2023-11-25; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2023-11-25; 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	NRT	012_101	WIND	0.012° - 0.012° - 1 km; 1 level (surface)	[2024-04-01; ongoing]	Dm	D + IRR	Level 3, Grid

Copernicus Marine Service Catalogue

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_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_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
SATELLITE	**MY**	012_106	WIND	0.012° - 0.012° - 1 km; 1 level (surface)	[2018-03-13; 2024-12-31]	Dm	IRR	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	SW1 MWT SW2 SWH VSDXY WIND	0.03° - 0.013° - 3 km; 1 level (surface)	[2023-11-25; ongoing]	Hm	D	None
MODEL	MY	004_015	SW1 MWT SW2 SWH VSDXY WIND	0.0135° - 0.03° - 2 km; 1 level (surface)	[1980-01-01; ongoing]	Hm	M	SWH + wind speed
MODEL	MY	004_015	SW1 MWT SW2 SWH VSDXY WIND	0.0303° - 0.0135° - 3 km; 1 level (surface)	[1980-01-01; ongoing]	Hm	M	None
INSITU	NRT	013_036		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point

Copernicus Marine Service Catalogue

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	ZEU NH4 DIC FE O2 NO3 PO4 PHYC SI ZOOC PP	0.11° - 0.06° - 12 km; 24 levels	[2023-11-25; ongoing]	Dm	D	chl
MODEL	MY	004_011	PHYC O2 NO3 PO4 PP	0.067° - 0.111° - 7 km; 24 levels	[1993-01-01; ongoing]	Dm + Mm	D	CHL
INSITU	NRT	013_036		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
SATELLITE	NRT	009_111	PHYC SPM APHY	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_116	PHYC PP	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm + Mm	D + M	Level 4, Grid
SATELLITE	NRT	009_203	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_209	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS + IRR	Level 4, Grid
SATELLITE	MY	009_113	PHYC SPM APHY	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR + D	Level 3, Grid
SATELLITE	MY	009_118	PHYC	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	UV MLD SSH T S	0.028° - 0.028° - 3 km; 50 levels	[2024-03-31; ongoing]	Hm + Dm + Mm + sub-hourly	D + M	SST + ITSP + SL
MODEL	MY	005_002	UV MLD SSH T S	0.028° - 0.028° - 3 km; 50 levels	[1993-01-01; ongoing]	Dm + Mm + Y	Y + M	SL + ITSP + SST
INSITU	NRT	013_033		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)	[2023-11-25; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2023-11-25; 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

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**
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		0.0278° - 0.0278° - 3 km; 1 level (surface)	[2021-11-30; ongoing]	Hm	D	significant wave height (swh) + wave spectra
MODEL	MY	005_006	SW1 MWT SW2 SWH VSDXY WIND	0.027° - 0.027° - 3 km; 1 level (surface)	[1980-01-01; ongoing]	Hm + Y	M	significant wave height (swh)
INSITU	NRT	013_033		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point

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	ZEU NH4 DIC FE O2 NO3 PO4 PHYC SI ZOOC PP	0.028° - 0.028° - 3 km; 50 levels	[2019-05-04; ongoing]	Dm + Mm	W + M	None
MODEL	MY	005_003		0.028° - 0.028° - 3 km; 50 levels	[1993-01-01; ongoing]	Dm + Mm + Y + Y	Y + M	None
INSITU	NRT	013_033		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
SATELLITE	NRT	009_111	PHYC SPM APHY	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_116	PHYC PP	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm + Mm	D + M	Level 4, Grid
SATELLITE	NRT	009_204	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_210	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS + IRR	Level 4, Grid
SATELLITE	MY	009_113	PHYC SPM APHY	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR + D	Level 3, Grid
SATELLITE	MY	009_118	PHYC	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	UV MLD SSH T S	0.042° - 0.042° - 5 km; 141 levels	[2021-11-30; ongoing]	Hm + Dm + Mm + sub-hourly	D + M	SST + ITSP + SL
MODEL	MY	006_004	UV MLD SSH T S	0.042° - 0.042° - 5 km; 141 levels	[1987-01-01; ongoing]	Dm + Mm + Hm	M	ITSP + SST + SL
INSITU	NRT	013_035		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)	[2023-11-25; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2023-11-25; ongoing]	Dm	D	Level 4, Grid
SATELLITE	NRT	010_004	T SST	0.01° - 0.01° - 1 km; 1 level (surface)	[2008-01-01; 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	0.01° - 0.01° - 1 km; 1 level (surface)	[2008-01-01; ongoing]	Dm	D	Level 3, 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

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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	NRT	010_036	T	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2019-01-01; ongoing]	Hm	D	Level 4, Grid
SATELLITE	NRT	012_104	WIND	0.012° - 0.012° - 1 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_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
SATELLITE	MY	012_109	WIND	0.012° - 0.012° - 1 km; 1 level (surface)	[2018-03-13; 2024-12-31]	Dm	IRR	Level 3, Grid

Copernicus Marine Service Catalogue

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	SW1 MWT SW2 SWH VSDXY WIND	0.042° - 0.042° - 5 km; 1 level (surface)	[2021-11-30; ongoing]	Hm	D	swh + wind speed
MODEL	MY	006_012	SW1 MWT SW2 SWH VSDXY WIND	0.042° - 0.042° - 5 km; 1 level (surface)	[1985-01-01; ongoing]	Hm + Mm	M	significant wave height (swh)
INSITU	NRT	013_035		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point

Copernicus Marine Service Catalogue

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		0.042° - 0.042° - 5 km; 125 levels	[2020-11-29; ongoing]	Dm + Mm	D + M	CHL + dox + sc + NUTS
MODEL	MY	006_008	NH4 DIC O2 NO3 PO4 PHYC PP ALK	0.042° - 0.042° - 5 km; 125 levels	[1999-01-01; ongoing]	Mm + Dm + Y	M + Y	CHL
INSITU	NRT	013_035		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Profile, Point
SATELLITE	NRT	009_141	PHYC POC APHY	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_142	POC PP APHY	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm + Mm	D + M	Level 4, Grid
SATELLITE	NRT	009_205	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_211	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS + IRR	Level 4, Grid
SATELLITE	MY	009_143	PHYC POC APHY	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	D	Level 3, Grid
SATELLITE	MY	009_144	POC PP APHY	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm + Mm + Y	D	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	UV MLD SSH T S	0.025° - 0.025° - 3 km; 121 levels	[2024-03-31; ongoing]	Hm + Dm + Mm + sub-hourly	D + M	ITSP + SL + SST
MODEL	MY	007_004	UV MLD SSH T S	0.025° - 0.025° - 3 km; 121 levels	[1993-01-01; ongoing]	Dm + Mm + Y + Y	M + Y	SL + ITSP
INSITU	NRT	013_034		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)	[2023-11-25; ongoing]	INS	D + several-time-daily	Level 3, Swath
SATELLITE	NRT	008_060	SSH UV	0.0625° - 0.0625° - 7 km; 1 level (surface)	[2023-11-25; 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	NRT	012_103	WIND	0.012° - 0.012° - 1 km; 1 level (surface)	[2024-04-01; ongoing]	Dm	D + IRR	Level 3, 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**
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_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
SATELLITE	**MY**	012_108	WIND	0.012° - 0.012° - 1 km; 1 level (surface)	[2018-03-13; 2024-12-31]	Dm	IRR	Level 3, 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	SW1 MWT SW2 SWH VSDXY WIND	0.025° - 0.025° - 3 km; 1 level (surface)	[2021-11-30; ongoing]	Hm	twice-daily	significant wave height (swh) + wind speed
MODEL	MY	007_006	SW1 MWT SW2 SWH VSDXY WIND	0.025° - 0.025° - 3 km; 1 level (surface)	[1950-01-08; ongoing]	Mm + Hm	M + Y	significant wave height (swh) + wind speed
INSITU	NRT	013_034		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Point, Profile

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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	DIC O2 NO3 PO4 PHYC PP ALK	0.025° - 0.025° - 3 km; 59 levels	[2024-03-31; ongoing]	Dm + Mm + Hm	D + M	CHL
MODEL	MY	007_005	DIC O2 NO3 PO4 PHYC PP SSH ALK	0.025° - 0.025° - 3 km; 59 levels	[1992-01-01; ongoing]	Dm + Mm + Y	M + Y	CHL
INSITU	NRT	013_034		discrete	[1990-01-01; ongoing]	INS	several-time-daily	Level 2, Trajectory, Point, Profile
SATELLITE	NRT	009_151	PHYC POC APHY	1° - 1° - 111 km; 1 level (surface)	[2023-04-10; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_152	POC PP APHY	4° - 4° - 445 km; 1 level (surface)	[2023-04-10; ongoing]	Dm + Mm	D + M	Level 4, Grid
SATELLITE	NRT	009_206	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Dm	D	Level 3, Grid
SATELLITE	NRT	009_212	SPM TUR	0.1° - 0.1° - 11 km; 1 level (surface)	[2020-01-01; ongoing]	Mm + Dm	M + SEAS + IRR	Level 4, Grid
SATELLITE	MY	009_153	PHYC POC APHY	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm	IRR	Level 3, Grid
SATELLITE	MY	009_154	POC PP APHY	1° - 1° - 111 km; 1 level (surface)	[1997-09-04; ongoing]	Dm + Mm	D + M + Y	Level 4, Grid

Copernicus Marine Service Catalogue

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

Copernicus Marine Service Catalogue

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