Upgrade
on 14 December 2021
- Impact on products -

How to highlight the products depending on the impact on users:

- ***Products in green***: The product has been upgraded; there is no impact in users' existing download scripts
- ***Products in blue***: The product has been upgraded; users should not update their download scripts but there should be an impact in their procedures
- ***Products in yellow***: The product has been upgraded, users should update their download scripts, there should be an impact in their procedures
- ***Products in purple***: New product
- ***Products in grey***: There is no change
- ***Products in blue/green***: The upgrade initially foreseen is postponed

List of the impacted products

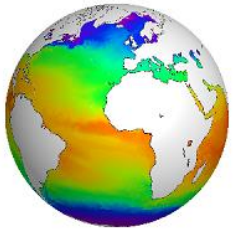
What is new in this document

Version	Date	Description of Change
1.0	19/10/2021	First version of document
1.1	25/10/2021	Update of thumbnails: - OCEANCOLOUR_GLO_OPTICS_L3_NRT_OBSERVATIONS_009_030 - OCEANCOLOUR_GLO_CHL_L3_NRT_OBSERVATIONS_009_032 - OCEANCOLOUR_GLO_CHL_L4_NRT_OBSERVATIONS_009_033 - OCEANCOLOUR_ATL_CHL_L4_NRT_OBSERVATIONS_009_037 - OCEANCOLOUR_GLO_OPTICS_L4_REP_OBSERVATIONS_009_081 - OCEANCOLOUR_GLO_CHL_L4_REP_OBSERVATIONS_009_082 - OCEANCOLOUR_GLO_OPTICS_L4_NRT_OBSERVATIONS_009_083 - OCEANCOLOUR_GLO_CHL_L3_REP_OBSERVATIONS_009_085 - OCEANCOLOUR_GLO_OPTICS_L3_REP_OBSERVATIONS_009_086 - OCEANCOLOUR_ATL_CHL_L4_REP_OBSERVATIONS_009_098
1.2	10/12/2021	Temporal extension of ARCTIC_MULTIYEAR_BGC_002_005 postponed
1.3	21/12/2021	Temporal extension of ARCTIC_MULTIYEAR_WAV_002_013 - start date in 1993 instead of 1995 Temporal extension of BLKSEA_MULTIYEAR_PHY_007_004 – end date 31/05/2020 instead of 31/12/2020

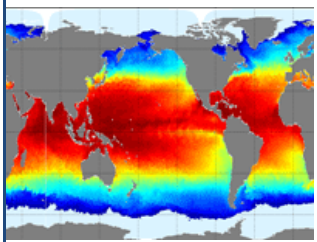
Analysis/Forecast/Reanalysis

Global Ocean

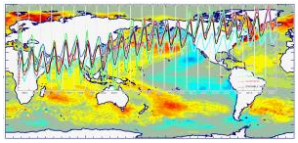
GLOBAL_ANALYSISFORECAST_PHY_CPL_001_015 : No change

	Global Ocean 1/4° Physics Analysis and Forecast updated Daily Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

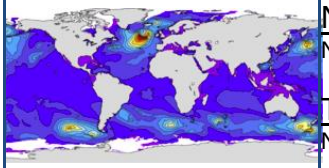
GLOBAL_ANALYSIS_FORECAST_PHY_001_024: Updated SMOC dataset

	Global Ocean 1/12° Physics Analysis and Forecast updated Daily forecast Product upgrade: • Updated standard names for Surface and Merged Ocean Currents (SMOC) dataset • Nomenclature update for SMOC dataset (global-analysis-forecast-phy-001-024--hourly-merged-uv dataset → cmems_mod_glo_phy_anfc_merged-uv_PT1H-i) Need to update download scripts: Yes Transition period: From 2021/12/14 to 2022/02/14 Complementary information: Samples will be available from November 2021 and double dissemination (to former & new data) will be available during the transition period. Please see associated FAQ.

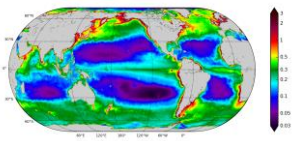
GLOBAL_REANALYSIS_PHY_001_026: No change

	Global Ocean Ensemble Physics Reanalysis - Low resolution Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

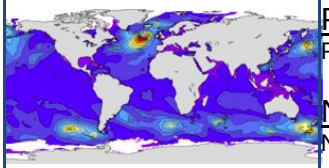
GLOBAL_ANALYSIS_FORECAST_WAV_001_027: Twice-daily delivery

	Global Ocean Waves Analysis and Forecast Product upgrade: Delivery of a second daily forecast will be produced and delivered Need to update existing download scripts: N/A Transition period: N/A Complementary information: User who wants to retrieve this additional delivery must adapt their scripts. Other users may maintain current scripts.

GLOBAL_ANALYSIS_FORECAST_BIO_001_028: No change

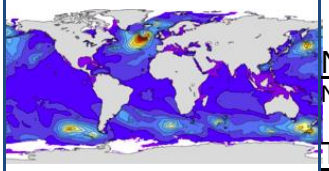
	Global Ocean Biogeochemistry Analysis and Forecast Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

GLOBAL_REANALYSIS_BIO_001_029: Product removed replaced by GLOBAL_MULTIYEAR_BGC_001_029

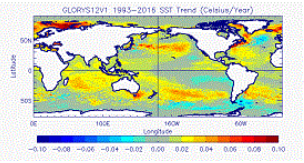
	Global Ocean Biogeochemistry hindcast Product upgrade: Product replaced by GLOBAL_MULTIYEAR_BGC_001_029 Need to update existing download scripts: N/A

	Transition period: N/A Complementary information: N/A

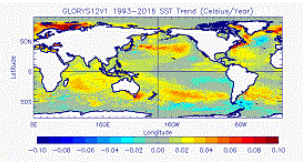
GLOBAL_MULTIYEAR_BGC_001_029: New product replacing GLOBAL_REANALYSIS_BIO_001_029 with temporal extension

	Global Ocean Biogeochemistry hindcast Product upgrade: New product replacing GLOBAL_REANALYSIS_BIO_001_029 • Addition of year 2020. • Nomenclature update (product and dataset names) Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

GLOBAL_REANALYSIS_PHY_001_030: Product removed replaced by GLOBAL_MULTIYEAR_PHY_001_030

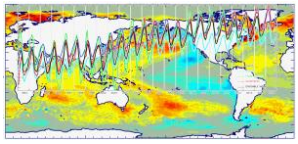
	Global Ocean Physics Reanalysis GLORYS12V1 Product upgrade: Product replaced by GLOBAL_MULTIYEAR_PHY_001_030 Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

GLOBAL_MULTIYEAR_PHY_001_030: New product replacing GLOBAL_REANALYSIS_PHY_001_030 with temporal extension

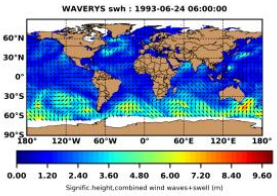
	Global Ocean Physics Reanalysis GLORYS12V1 Product upgrade: New product replacing GLOBAL_REANALYSIS_PHY_001_030 • Upgrade January 2018 to December 2019 and temporal extension over January-May 2020 • Nomenclature update (product and dataset names) Need to update existing download scripts: N/A Transition period: N/A

	Complementary information: N/A

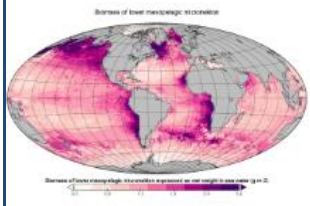
GLOBAL_REANALYSIS_PHY_001_031: No change

	Global Ocean Ensemble Physics Reanalysis Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

GLOBAL_REANALYSIS_WAV_001_032: Temporal extension + Correction of land/sea mask for VTM02 variable + Nomenclature update

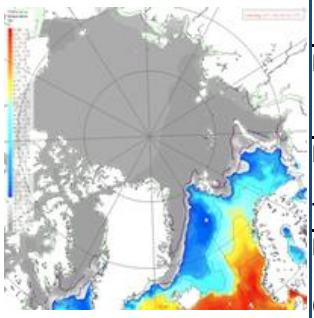
	Global Ocean Waves Reanalysis Product upgrade: • 2020 time extension + assimilation of SWIM-CFSAT wave spectra over 2020 • Fix for VTM02 land sea mask which had wrong values. • Nomenclature update (product and dataset names) Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

GLOBAL_MULTIYEAR_BGC_001_033: Temporal extension

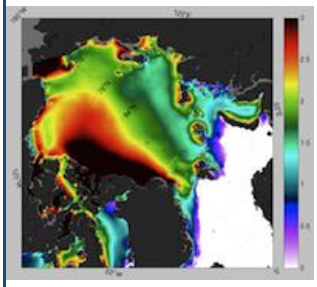
	Global Ocean low and mid trophic levels biomass hindcast Product upgrade: Extension of the product in year 2020 (Jan - May) Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

Arctic

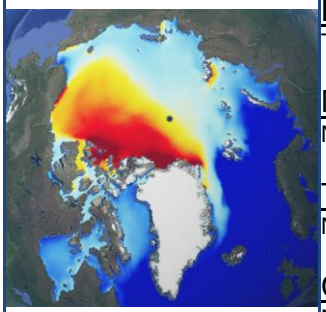
ARCTIC_ANALYSIS_FORECAST_PHYS_002_001_a: No change

	Arctic Ocean Physics Analysis and Forecast Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

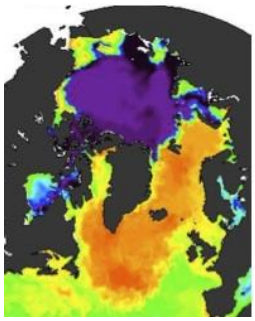
ARCTIC_REANALYSIS_PHYS_002_003: Product removed and replaced by ARCTIC_MULTIYEAR_PHY_002_003

	Arctic Ocean Physics Reanalysis Product upgrade: Product retired, superseded by ARCTIC_MULTIYEAR_002_003 for the whole time series Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

ARCTIC_MULTIYEAR_PHY_002_003 : Temporal extension and automatic extension

	Arctic Ocean Physics Reanalysis Product upgrade: The years from 2013 to 2020 will be added and regularly updated twice a year until year-1 Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

ARCTIC_ANALYSISFORECAST_BGC_002_004: No change



Arctic Ocean Biogeochemistry Analysis and Forecast

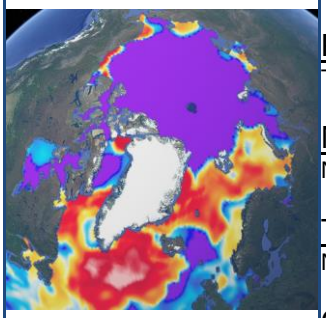
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

ARCTIC_MULTIYEAR_BGC_002_005: Temporal extension postponed



Arctic Ocean Biogeochemistry Reanalysis

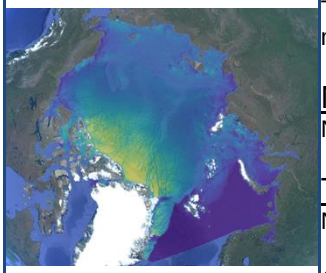
Product upgrade:
The addition of years 2010 to 2015 is postponned.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

ARCTIC_ANALYSISFORECAST_PHY_ICE_002_011: Quality improvement



Arctic Ocean Sea Ice Analysis and Forecast

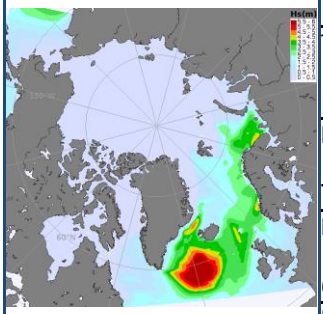
Product upgrade:
The model domain is extended to include the Canadian Archipelago and the Greenland Seas. The model rheological parameters have been tuned to improve the sea ice thickness.

Need to update download scripts:
No, same projection and output grid as before.

Transition period:
N/A

Complementary information:
N/A

ARCTIC_MULTIYEAR_WAV_002_013: Temporal extension



Arctic Ocean Wave Hindcast

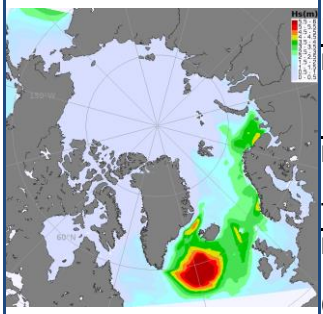
Product upgrade:
Three early years 1993 to 1997 are added

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

ARCTIC_ANALYSIS_FORECAST_WAV_002_014: No change



Arctic Ocean Wave Analysis and Forecast

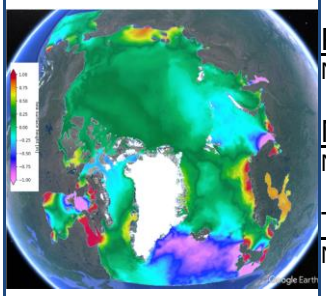
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

ARCTIC_ANALYSISFORECAST_PHY_TIDE_002_015: No change



Arctic Ocean Surface Tidal Analysis and Forecast

Product upgrade:
No change

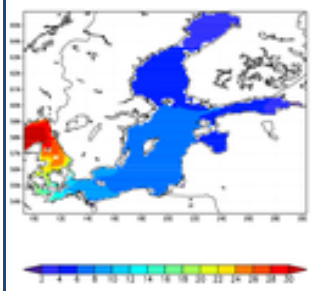
Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

Baltic

BALTICSEA_ANALYSISFORECAST_PHY_003_006: Additional dataset (static files)



Baltic Sea Physics Analysis and Forecast

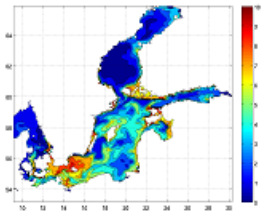
Product upgrade:
A new dataset has been added containing 3 static files: with coordinates, bathymetry, and Mean Dynamic Topography (mdt) information.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

BALTICSEA_ANALYSISFORECAST_BGC_003_007: Additional dataset (static files)



Baltic Sea Biogeochemistry Analysis and Forecast

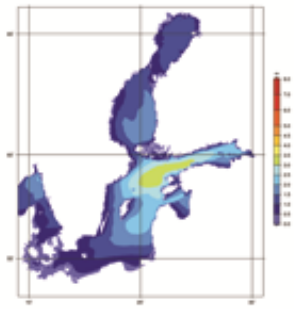
Product upgrade:
A new dataset has been added containing 2 static files: with coordinate and bathymetry information.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

BALTICSEA_ANALYSISFORECAST_WAV_003_010: Additional dataset (static files)



Baltic Sea Wave Analysis and Forecast

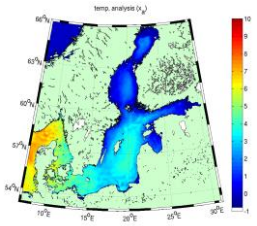
Product upgrade:
A new dataset has been added containing 1 static file with bathymetry information.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

BALTICSEA_REANALYSIS_PHY_003_011: Temporal extension + Additional dataset (static files)



Baltic Sea Physics Reanalysis

Product upgrade:
The product will be extended with 12 months and will now cover the time period January 1993 – December 2020.

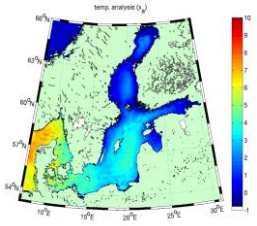
A new dataset has been added containing 3 static files: with coordinate, bathymetry and Mean Dynamic Topography (mdt) information

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

BALTICSEA_REANALYSIS_BIO_003_012: Temporal extension + Additional dataset (static files)



Baltic Sea Biogeochemistry Reanalysis

Product upgrade:
The product will be extended with 12 months and will now cover the time period January 1993 – December 2020.

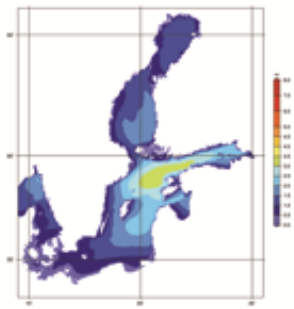
A new dataset has been added containing 2 static files: with coordinate and bathymetry information.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

BALTICSEA_REANALYSIS_WAV_003_015: Temporal extension + Additional dataset (static files)



Baltic Sea Wave Reanalysis

Product upgrade:
The product will be extended with 6 months and will now cover the time period January 1993 – December 2020.

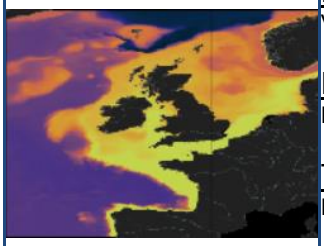
A new dataset has been added containing 1 static file with bathymetry information.

Need to update existing download scripts:
N/A

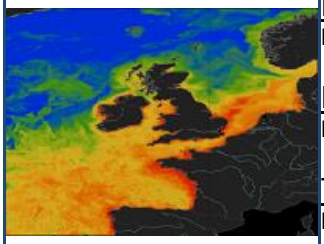
	Transition period: N/A Complementary information: N/A

European North West Shelf- Ocean

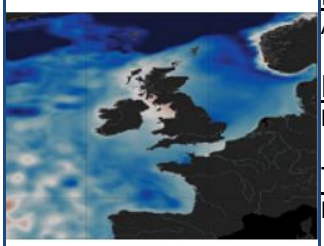
ANALYSISFORECAST_PHY_LR_004_001: Addition of a variable in static files

	Atlantic - European North West Shelf - Ocean Physics Analysis and Forecast Product upgrade: Variable *deptho_lev_interp added to* cmems_mod_nws_phy_anfc_7km_3D_static dataset Need to update existing download scripts: N/A Transition period: N/A Complementary information: PUM updated in order to provide detailed information on vertical interpolation

NWSHELF_ANALYSISFORECAST_BGC_004_002: No change

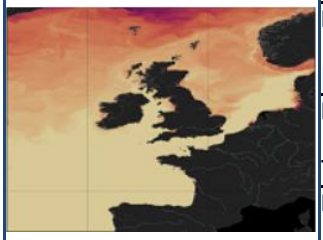
	Atlantic - European North West Shelf - Ocean Biogeochemistry Analysis and Forecast Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: PUM updated in order to provide detailed information on vertical interpolation

NWSHELF_MULTIYEAR_PHY_004_009: Additional Dataset

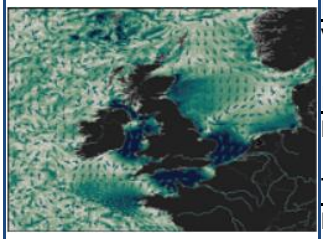
	Atlantic- European North West Shelf- Ocean Physics Product upgrade: Addition of hourly datasets for all the variables Need to update download scripts: N/A Transition period: N/A Complementary information: Additional dataset names:

	cmems_mod_nws_phy-bottomt_my_7km-2D_PT1H-i cmems_mod_nws_phy-mld_my_7km-2D_PT1H-i cmems_mod_nws_phy-sss_my_7km-2D_PT1H-i cmems_mod_nws_phy-ssh_my_7km-2D_PT1H-i cmems_mod_nws_phy-sst_my_7km-2D_PT1H-i cmems_mod_nws_phy-uv_my_7km-2D_PT1H-i PUM updated in order to provide detailed information on vertical interpolation

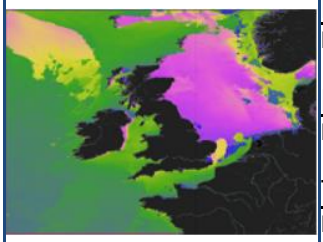
NWSHELF_MULTIYEAR_BGC_004_011: No change

	Atlantic- European North West Shelf- Ocean Biogeochemistry Reanalysis Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: PUM updated in order to provide detailed information on vertical interpolation

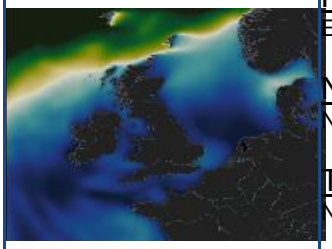
NORTHWESTSHELF_ANALYSIS_FORECAST_PHY_004_013: Addition of a variable in static files

	Atlantic - European North West Shelf - Ocean Physics Analysis and Forecast (High Resolution) Product upgrade: Variable *deptho_lev_interp added to MetO-NWS-PHY-001-013-STATIC* dataset Need to update existing download scripts: N/A Transition period: N/A Complementary information: PUM updated in order to provide detailed information on vertical interpolation

NORTHWESTSHELF_ANALYSIS_FORECAST_WAV_004_014: No change

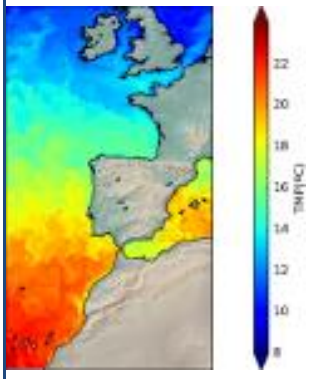
	Atlantic - European North West Shelf - Ocean Wave Analysis and Forecast (High Resolution) Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

NWSHELF_REANALYSIS_WAV_004_015: Increased frequency of time series update

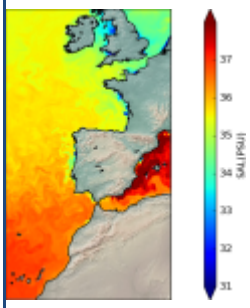
	Atlantic - European North West Shelf - Ocean Wave Reanalysis (High Resolution) Product upgrade: Existing datasets will be updated monthly Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

Atlantic - Iberian Biscay Irish - Ocean

IBI_ANALYSISFORECAST_PHY_005_001: No change

	Atlantic-Iberian Biscay Irish- Ocean Physics Analysis and Forecast Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

IBI_MULTIYEAR_PHY_005_002: No change



Atlantic-Iberian Biscay Irish- Ocean Physics Reanalysis

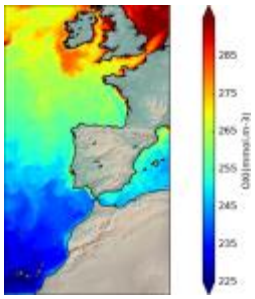
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

IBI_MULTIYEAR_BGC_005_003: No change



Atlantic-Iberian Biscay Irish- Ocean BioGeoChemistry NON-ASSIMILATIVE Hindcast

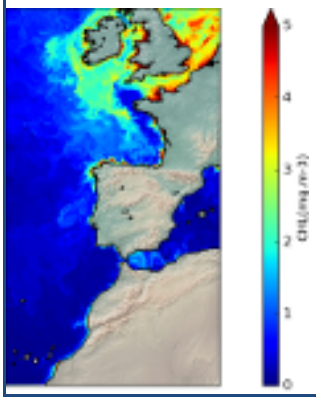
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

IBI_ANALYSISFORECAST_BGC_005_004: No change



Atlantic-Iberian Biscay Irish- Ocean Biogeochemical Analysis and Forecast

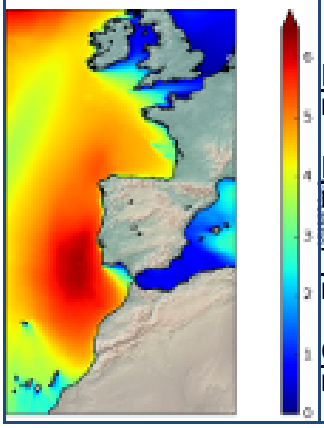
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

IBI_ANALYSIS_FORECAST_WAV_005_005: No change



Atlantic-Iberian Biscay Irish- Ocean Wave Analysis and Forecast

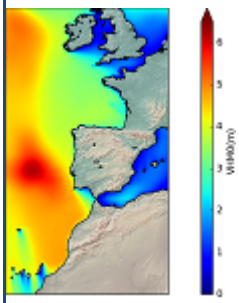
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

IBI_MULTIYEAR_WAV_005_006: Temporal extension



Atlantic-Iberian Biscay Irish- Ocean Wave Reanalysis

Product upgrade:

The IBI-MFC multi-year WAV product will undergo the following change in its hourly dataset:

- cmems_mod_ibi_wav_my_0.05deg-2D_PT1H-i: temporal extension from 31-12-2019 to 30-12-2020

Need to update download scripts:
N/A

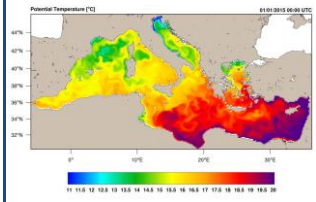
Transition period:
N/A

Complementary information:
Associated dataset:
After this upgrade, the dataset catalogue will cover the following range:

- cmems_mod_ibi_wav_my_0.05deg-2D_PT1H-i: from 01-01-1993 to 30-12-2020

Mediterranean Sea

MEDSEA_MULTIYEAR_PHY_006_004: Temporal extension



Mediterranean Sea Physical Reanalysis

Product upgrade:
The product will be upgraded with Temporal Extension:

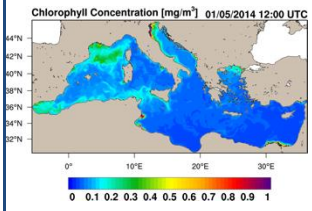
- Temporal Extension of RAN time series from January to May 2020 according to availability of REP SLA data. OBCs will be provided by an extension of the CMCC Global RAN system (C-GLORS05).
- INTERIM time series will be re-initiated from RAN restart (31 May 2020) and will cover the period Jun 2020 - Nov 2021. OBCs will be provided by previous year Global RAN system (C-GLORS05) integration.

Need to update existing download scripts:
N/A

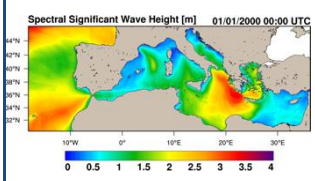
Transition period:

	N/A Complementary information: N/A

MEDSEA_MULTIYEAR_BGC_006_008: Temporal extension and addition of INTERIM dataset

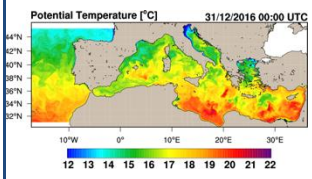
	Mediterranean Sea Biogeochemistry Reanalysis Product upgrade: The product will be upgraded with Temporal Extension and introduction of Interim dataset: • Temporal Extension of RAN time series from January to May 2020 forced by MEDSEA_MULTIYEAR_PHY_006_004 INTERIM • INTERIM time series will be initiated from RAN restart (31 May 2020) and will cover the period June 2020 - October 2021, forced by MEDSEA_MULTIYEAR_PHY_006_004 INTERIM Need to update existing download scripts: N/A Transition period: N/A Complementary information: The new INTERIM production will be based on the current biogeochemical RAN system. More information on the INTERIM dataset and the filenames nomenclature can be found in the Product's User Manual. New dataset and file names for the new INTERIM dataset of product MEDSEA_MULTIYEAR_BGC_006_008: - New dataset names: cmems_mod_med_bgc-bio_myint_4.2km_P1M-m cmems_mod_med_bgc-car_myint_4.2km_P1M-m cmems_mod_med_bgc-co2_myint_4.2km_P1M-m cmems_mod_med_bgc-nut_myint_4.2km_P1M-m cmems_mod_med_bgc-pft_myint_4.2km_P1M-m - New file names: {date1}_m-OGS--BIOL-MedBFM3i-MED-b{date2}_in-sv05.00.nc {date1}_m-OGS--CARB-MedBFM3i-MED-b{date2}_in-sv05.00.nc {date1}_m-OGS--CO2F-MedBFM3i-MED-b{date2}_in-sv05.00.nc {date1}_m-OGS--NUTR-MedBFM3i-MED-b{date2}_in-sv05.00.nc {date1}_m-OGS--PFTC-MedBFM3i-MED-b{date2}_in-sv05.00.nc where {date1} YYYYMMDD is the validity day of the data in the file and {date2} YYYYMMDD is the bulletin date the product was produced

MEDSEA_MULTIYEAR_WAV_006_012: Temporal extension and addition of INTERIM dataset

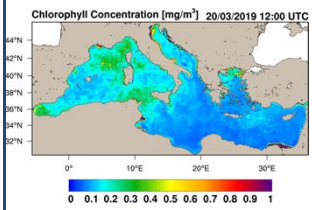
	Mediterranean Sea Waves Reanalysis Product upgrade: The product will be upgraded with Temporal Extension and introduction of Interim dataset: • Temporal Extension of RAN time series from January to May 2020 forced by MEDSEA_MULTIYEAR_PHY_006_004 INTERIM • INTERIM time series will be initiated from RAN restart (31 May 2020) and will cover the period June 2020 - October 2021, forced by MEDSEA_MULTIYEAR_PHY_006_004 INTERIM Need to update existing download scripts: N/A Transition period: N/A

	<u>Complementary information:</u> The new INTERIM production will be based on the current wave RAN system, forced by ECMWF ERA5 and ERA5T atmospheric forcing and assimilating Copernicus Marine observations. More information on the INTERIM dataset and the filenames nomenclature can be found in the Product's User Manual. New dataset and file names for the new INTERIM dataset of product MEDSEA_MULTIYEAR_WAV_006_012: - New dataset name: cmems_mod_med_wav_myint_4.2km_PT1H-i - New file name: {date1}_h-HCMR--WAVE-MEDWAM3i-MEDATL-b{date2}_in-sv01.00.nc where {date1} YYYYMMDD is the validity day of the data in the file and {date2} YYYYMMDD is the bulletin date the product was produced

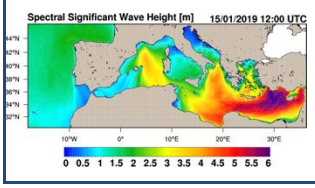
MEDSEA_ANALYSISFORECAST_PHY_006_013: Upstream data change

	Mediterranean Sea Physics Analysis and Forecast <u>Product upgrade:</u> The product will be upgraded by forcing the system with daily Po River runoff observations instead of monthly climatological values. All the other 38 river inputs will be provided by means of daily (instead on monthly) climatological discharges. <u>Need to update existing download scripts:</u> N/A <u>Transition period:</u> N/A <u>Complementary information:</u> Product, dataset and file names will not change.

MEDSEA_ANALYSISFORECAST_BGC_006_014: Upstream data change

	Mediterranean Sea Biogeochemistry Analysis and Forecast <u>Product upgrade:</u> The product will be upgraded by forcing the system with daily loads of nutrients and carbonate system variables for the Po River derived from daily runoff observations in alignment with the Med-PHY upgrade. Loads of the other 38 rivers will remain as in the previous system version (i.e., monthly climatological values). <u>Need to update existing download scripts:</u> N/A <u>Transition period:</u> N/A <u>Complementary information:</u> Product, dataset and file names will not change.

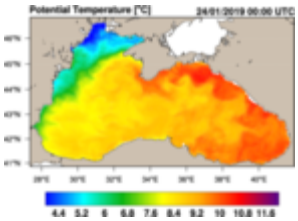
MEDSEA_ANALYSISFORECAST_WAV_006_017: Upstream data change

	Mediterranean Sea Waves Analysis and Forecast <u>Product upgrade:</u> The product will be updated with the following upstream data changes: • nesting the system within the Copernicus Marine Global Waves analysis and forecasting product. • forcing the system with higher spatial and temporal resolution ECMWF analysis and forecast winds, in particular:

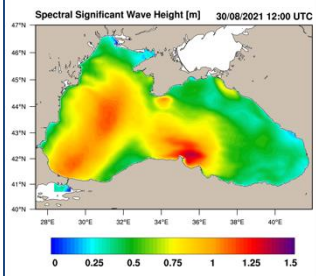
	✓ spatial resolution: increase from 0.125deg to 0.1deg, ✓ temporal frequency: hourly intervals for forecast days 1-3, 3-hourly intervals for day 4 to day 6 and at 6-hourly intervals for days 7-10 Need to update existing download scripts: N/A Transition period: N/A Complementary information: Product, dataset, and file names will not change.

Black Sea

BLKSEA_ANALYSISFORECAST_PHY_007_001: Upstream data change and quality improvement

	Black Sea Physics Analysis and Forecast Product upgrade: Upstream data change and quality improvement Upstream data change for the Black Sea Physics Analysis and Forecasting System to use • the Danube River discharge daily observations and forecast as provided by the National Institute of Hydrology and Water Management (NIHWM, Romania – partner of the BS-MFC Consortium); • assimilation of recent upgraded SST satellite data timeseries (Q2/2021, SST_BS_SST_L4_NRT_OBSERVATIONS_010_006). Redelivery of the online timeseries without any impact on format. Need to update download scripts: N Transition period: N/A Complementary information: Impacted: bs-cmcc-cur-an-fc-m bs-cmcc-tem-an-fc-m bs-cmcc-sal-an-fc-m bs-cmcc-mld-an-fc-m bs-cmcc-ssh-an-fc-m bs-cmcc-cur-an-fc-d bs-cmcc-tem-an-fc-d bs-cmcc-sal-an-fc-d bs-cmcc-mld-an-fc-d bs-cmcc-ssh-an-fc-d bs-cmcc-cur-an-fc-h bs-cmcc-tem-an-fc-h bs-cmcc-sal-an-fc-h bs-cmcc-mld-an-fc-h

BLKSEA_ANALYSISFORECAST_WAV_007_003: New product (former product completely updated)



Black Sea Waves Analysis and Forecast

Product upgrade:

New product and new datasets

The Black Sea Waves Near Real Time product (BS-WAV NRT) has been upgraded to take into account new modelling core evolutions: the core model is based on the recent WAM Cycle 6.

In addition, a new bathymetry, consistent with the BS-PHY NRT product, has been integrated. The lateral resolution of the atmospheric forcing has been increased.

The shallow water version is implemented on a spherical grid with a spatial resolution of about 2.5 km (1/40 x 1/40°) with 24 directional and 30 frequency bins.

The number of active wave model grid points is 74518.

The model considers depth refraction and wave breaking and provides currently a one day hindcast, followed by ten days forecast with one-hourly output once a day.

The atmospheric forcing (1/10 x 1/10°) from ECMWF is provided by CMCC through Italian MetOffice in NetCDF and locally (on strand.hereon.de) transformed into a corresponding format required by the wave model WAM. Surface currents and sea surface height from BLKSEA_ANALYSISFORECAST_PHY_007_001 are one-way coupled and taken into account in WAM.

Need to update download scripts:

Yes

Transition period:

From 2021/12/14 to 2022/02/14

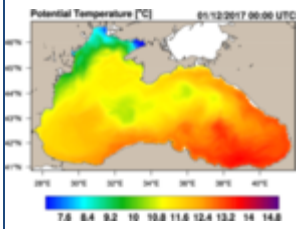
Complementary information:

Samples will be available from November 2021 and double dissemination (to former & new data) will be available during the transition period.
Please see associated FAQ.

Impacted/New datasets:
- cmems_mod_blk_wav_anfc_2.5km_static
- cmems_mod_blk_wav_anfc_2.5km_PT1H-i

Retired datasets:
- BLKSEA_ANALYSISFORECAST_WAV_007_003-statics
- bs-hzg-wav-an-fc-h

BLKSEA_MULTIYEAR_PHY_007_004: Temporal extension and quality improvement



Black Sea Physics Reanalysis

Product upgrade:

Temporal extension and quality improvement:

- Replacement of online 2019 reanalysis datasets since improved quality is now achieved thanks to available reprocessed observational datasets
- Timeseries extension to cover the period 01/01/2020 – 31/05/2020
- Interim datasets from 01/01/2021 to M-1 from the EIS date

Need to update download scripts:

N

Transition period:

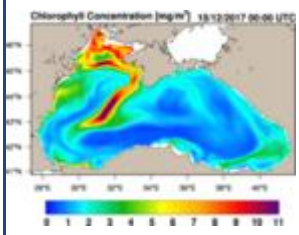
N/A

Complementary information:

Impacted datasets:

bs-cmcc-cur-int-m
bs-cmcc-mld-int-m
bs-cmcc-sal-int-m
bs-cmcc-ssh-int-m
bs-cmcc-tem-int-m
bs-cmcc-cur-rean-d
bs-cmcc-cur-rean-m
bs-cmcc-mld-rean-d
bs-cmcc-mld-rean-m
bs-cmcc-sal-rean-d
bs-cmcc-sal-rean-m
bs-cmcc-ssh-rean-d
bs-cmcc-ssh-rean-m
bs-cmcc-tem-rean-d
bs-cmcc-tem-rean-m

BLKSEA_REANALYSIS_BIO_007_005: No change



Black Sea Biogeochemistry Reanalysis

Product upgrade:

No change

Need to update existing download scripts:

N/A

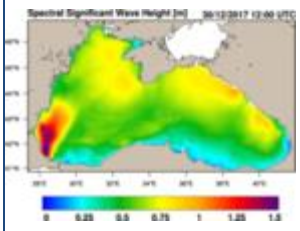
Transition period:

N/A

Complementary information:

N/A

BLKSEA_MULTIYEAR_WAV_007_006: Temporal extension



Black Sea Waves Reanalysis

Product upgrade:

Timeseries extension for the reanalysis dataset from 01/01/2020 to 31/12/2020. Prosecution of the interim dataset production from 01/01/2021 to M-1 from the EIS date

Need to update download scripts:

N

Transition period:

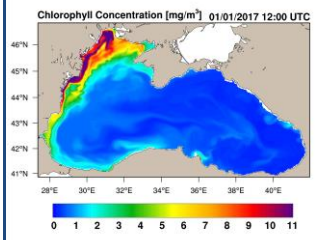
N/A

Complementary information:

Impacted/New datasets:

- bs-hzg-wav-int-h
- bs-hzg-wav-rean-h

BLKSEA_ANALYSIS_FORECAST_BIO_007_010: No change



Black Sea Biogeochemistry Analysis and Forecast

Product upgrade:

No change

Need to update existing download scripts:

N/A

Transition period:

N/A

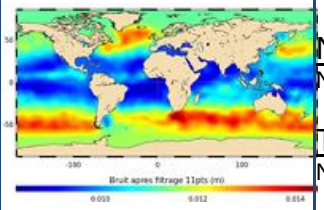
Complementary information:

N/A

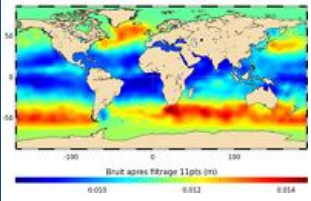
Observations

Sea Level

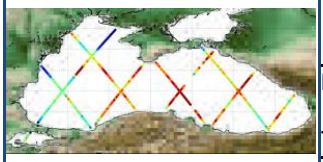
SEALEVEL_GLO_NOISE_L4_NRT_OBSERVATIONS_008_032: No change

	GLOBAL OCEAN GRIDDED SEA LEVEL ANOMALIES NOISE NRT Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

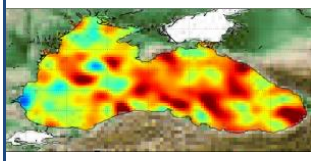
SEALEVEL_GLO_NOISE_L4_REP_OBSERVATIONS_008_033: No change

	GLOBAL OCEAN GRIDDED SEA LEVEL ANOMALIES NOISE REPROCESSED Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

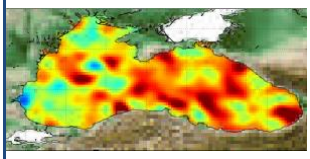
SEALEVEL_BS_PHY_L3_NRT_OBSERVATIONS_008_039 (stopped since 2019/06/16): Retired

	BLACK SEA ALONG-TRACK L3 SEA LEVEL ANOMALIES NRT Product upgrade: Product retired from Copernicus Marine Catalogue Need to update download scripts: N/A Transition period: N/A Complementary information: The production of this product is stopped from mid-June 2019. It should be replaced by SEALEVEL_EUR_PHY_L3_NRT_OBSERVATIONS_008_059

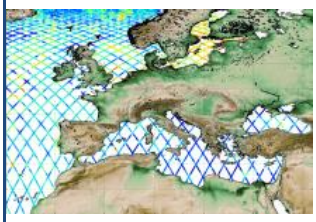
SEALEVEL_BS_PHY_L4_NRT_OBSERVATIONS_008_041 (stopped since 2019/06/16): Retired

	BLACK SEA GRIDDED L4 SEA LEVEL ANOMALIES AND DERIVED VARIABLES NRT Product upgrade: Product retired from Copernicus Marine Catalogue Need to update download scripts: N/A Transition period: N/A Complementary information: The production of this product is stopped from mid-June 2019. It should be replaced by SEALEVEL_EUR_PHY_L4_NRT_OBSERVATIONS_008_060

SEALEVEL_BS_PHY_L4_REP_OBSERVATIONS_008_042: Retired

	BLACK SEA GRIDDED L4 SEA LEVEL ANOMALIES AND DERIVED VARIABLES REPROCESSED (1993-ONGOING) Product upgrade: Product retired from Copernicus Marine Catalogue Need to update download scripts: N/A Transition period: N/A Complementary information: Following the full reprocessing of MY products for December 2021 release, this product has been replaced by new SEALEVEL_EUR_PHY_L4_MY_008_068

SEALEVEL_EUR_PHY_ASSIM_L3_NRT_OBSERVATIONS_008_043 (stopped since 2019/06/16): Retired



EUROPEAN OCEAN ALONG-TRACK L3 SEA LEVEL ANOMALIES NRT TAILORED FOR DATA ASSIMILATION

Product upgrade:

Product retired from Copernicus Marine catalogue

Need to update download scripts:

N/A

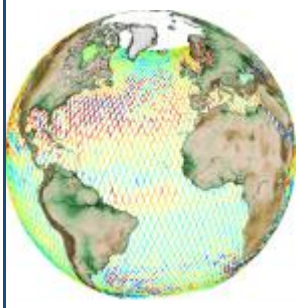
Transition period:

N/A

Complementary information:

The production of this product is stopped from mid-June 2019.
It should be replaced by SEALEVEL_EUR_PHY_L3_NRT_OBSERVATIONS_008_059

SEALEVEL_GLO_PHY_L3_NRT_OBSERVATIONS_008_044 : Quality improvement and Retired dataset



GLOBAL OCEAN ALONG-TRACK L3 SEA SURFACE HEIGHTS NRT

Product upgrade:

- Use up-to-date altimeter geophysical corrections, use new MSS/MP,
- use new MDT
- Additional “internal-tide” variable available.
- Improved methodology for LWE correction
- Use on “integer16” and scale factor for different variable storage in NetCDF
- Dataset dataset-duacs-nrt-global-j2g-phy-l3 is retired (data older than 2 years)

Need to update download scripts:

N/A

Transition period:

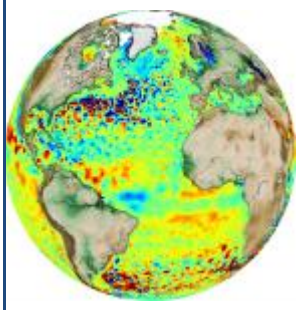
N/A

Complementary information:

Samples will be available from mid-November.

- The barotropic internal tide signal will be removed from SLA signal. The correction will be delivered in L3 products as a new variable (“internal_tide”).
- Change of Mean Sea Surface (MSS) or Mean Profile (MP) will be implemented. **Resulting SLA long-wavelength biases will be managed in SL-TAC NRT processing to ensure a seamless transition.**
- 2 new regional Mean Dynamic Topography (MDT) fields (see SEALEVEL_MED_PHY_MDT_L4_STATIC_008_066 and SEALEVEL_BLK_PHY_MDT_L4_STATIC_008_067 products) will be used over the Mediterranean and Black Sea areas. This change will impact “mdt” variable as described below:
  1) For the Black Sea region: the variable deduced from the MDT field will now be defined with physical values, while set to DV value previously
  2) For the Mediterranean Sea, geographical differences up to ±10cm regionally will be observed compared to the previous version.
- A new methodology will be used for LWE correction computation, contributing to improve the quality of the “sla_filtered”, “sla_unfiltered” and “lwe” variables.
- The storage of the different geophysical variable will be homogenized with the use of “interger16” format and scale factor attribute.

SEALEVEL_GLO_PHY_L4_NRT_OBSERVATIONS_008_046: Quality improvement



GLOBAL OCEAN GRIDDED L4 SEA SURFACE HEIGHTS AND DERIVED VARIABLES NRT

Product upgrade:

- Use up-to-date altimeter standards (upstream L3)
- use new MDT
- Use improved mapping parameters (correlation scale, observation error description)
- Additional variables available

Need to update download scripts:

N/A

Transition period:

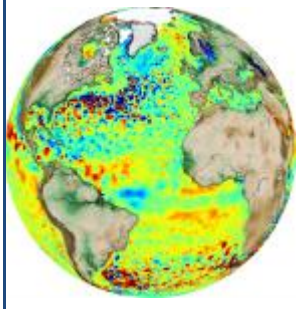
N/A

Complementary information:

Samples will be available from mid-November.

- The L4 product will benefit from different changes implemented in upstream L3 product (008_044) That contribute to improve the quality at mesoscale.
- 2 new regional Mean Dynamic Topography (MDT) fields (see SEALEVEL_MED_PHY_MDT_L4_STATIC_008_066 and SEALEVEL_BLK_PHY_MDT_L4_STATIC_008_067 products) will be used over the Mediterranean and Black Sea areas. This change will impact “adt”, “ugos” and “vgos” variables as described below:
  3) For the Black Sea region: the variable deduced from the MDT field will now be defined with physical values, while set to DV value previously
  4) For the Mediterranean Sea, “adt” geographical differences up to ±10cm in regionally will be observed compared to the previous version.
- New mapping parameters will be used (correlation scales, measurement error budget). They will contribute to improve the quality of the “sla” and derived fields at mesoscale.
- A new “ice_falg” variable will be added in the product. As OI processing can extrapolate SLA signal over ice-covered areas, this flag allows the user to easily detect SLA pixels that correspond to these areas.

SEALEVEL_GLO_PHY_L4_REP_OBSERVATIONS_008_047 : Retired



GLOBAL OCEAN GRIDDED L4 SEA SURFACE HEIGHTS AND DERIVED VARIABLES REPROCESSED (1993-ONGOING)

Product upgrade:

Product retired from Copernicus Marine catalogue

Need to update download scripts:

N/A

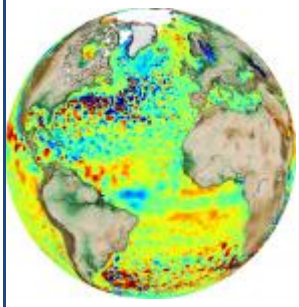
Transition period:

N/A

Complementary information:

Following the full reprocessing of MY products for December 2021 release, this product has been replaced by new SEALEVEL_GLO_PHY_L4_MY_008_047

SEALEVEL_GLO_PHY_L4_MY_008_047: New product



GLOBAL OCEAN GRIDDED L4 SEA SURFACE HEIGHTS AND DERIVED VARIABLES REPROCESSED (1993-ONGOING)

Product upgrade:

Following the full reprocessing of MY products for December 2021 release, this new product replaces previous SEALEVEL_GLO_PHY_L4_REP_OBSERVATIONS_008_047.

Compared to the previous version this product includes:

- The use of up-to-date altimeter standards and geophysical corrections (upstream L3 from 008_062 product)
- The use of the CNES_CLS_2018 MDT (Mulet et al, 2021) combined with CMEMS_2020 regional MDTs for Mediterranean and Black Sea (008_066 and 008_067 products)
- The use of new mapping parameters (correlation scales, measurement error budget).
  ➔ All these changes contribute to improve the product quality at mesoscales.
- Additionally, different new variables will be delivered:
  - tpa_correction: Correction for the Topex-A instrumental drift. Significant for [1993, 1998] period. This correction is not applied on the SLA variable delivered in DUACS products.
  - err_ugosa and err_vgosa: Formal mapping error on zonal & meridional geostrophic velocity anomalies as unit of signal variance

"ice_falg": as OI processing can extrapolate SLA signal over ice-covered areas, this flag allows the user to easily detect SLA pixels that correspond to these areas.

Need to update download scripts:

N/A

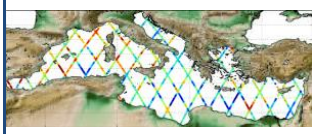
Transition period:

N/A

Complementary information:

N/A

SEALEVEL_MED_PHY_ASSIM_L3_NRT_OBSERVATIONS_008_048 (stopped since 2019/06/16): Retired



MEDITERRANEAN SEA ALONG-TRACK L3 SEA SURFACE HEIGHTS NRT TAILORED FOR DATA ASSIMILATION

Product upgrade:

Product retired from Copernicus Marine catalogue

Need to update download scripts:

N/A

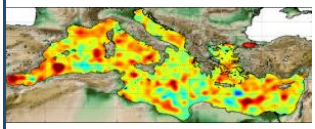
Transition period:

N/A

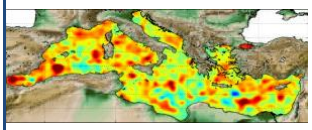
Complementary information:

The production of this product is stopped from mid-June 2019.
It should be replaced by SEALEVEL_EUR_PHY_L3_NRT_OBSERVATIONS_008_059

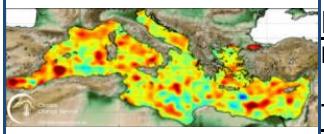
SEALEVEL_MED_PHY_L4_NRT_OBSERVATIONS_008_050 (stopped since 2019/06/16): Retired

	MEDITERRANEAN SEA GRIDDED L4 SEA SURFACE HEIGHTS AND DERIVED VARIABLES NRT Product upgrade: Product retired from Copernicus Marine catalogue Need to update download scripts: N/A Transition period: N/A Complementary information: The production of this product is stopped from mid-June 2019. It should be replaced by SEALEVEL_EUR_PHY_L4_NRT_OBSERVATIONS_008_060

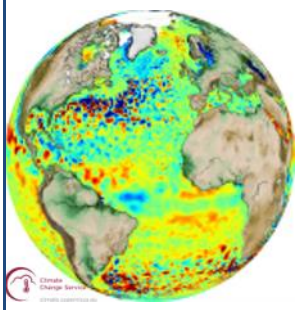
SEALEVEL_MED_PHY_L4_REP_OBSERVATIONS_008_051: Retired

	MEDITERRANEAN SEA GRIDDED L4 SEA SURFACE HEIGHTS AND DERIVED VARIABLES REPROCESSED (1993-ONGOING) Product upgrade: Product retired from Copernicus Marine catalogue Need to update download scripts: N/A Transition period: N/A Complementary information: Following the full reprocessing of MY products for December 2021 release, this product has been replaced by new SEALEVEL_EUR_PHY_L4_MY_008_068

SEALEVEL_MED_PHY_CLIMATE_L4_REP_OBSERVATIONS_008_056: Retired

	COPERNICUS CLIMATE SERVICE MEDITERRANEAN GRIDDED L4 SEA SURFACE HEIGHTS AND DERIVED VARIABLES NRT Product upgrade: Product retired from Copernicus Marine catalogue Need to update download scripts: N/A Transition period: N/A Complementary information: Following the full reprocessing of MY products for December 2021 release, this product has been replaced by new SEALEVEL_GLO_PHY_CLIMATE_L4_MY_008_057 (no more regional processing for climate products)

SEALEVEL_GLO_PHY_CLIMATE_L4_REP_OBSERVATIONS_008_057: Retired



COPERNICUS CLIMATE SERVICE GLOBAL OCEAN GRIDDED L4 SEA SURFACE HEIGHTS AND DERIVED VARIABLES NRT

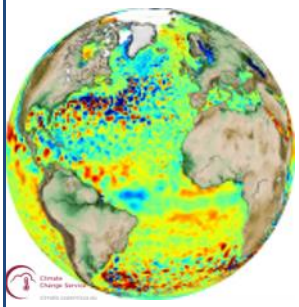
Product upgrade:
Product retired from Copernicus Marine catalogue

Need to update download scripts:
N/A

Transition period:
N/A

Complementary information:
Following the full reprocessing of MY products for December 2021 release, this product has been replaced by new SEALEVEL_GLO_PHY_CLIMATE_L4_MY_008_057

SEALEVEL_GLO_PHY_CLIMATE_L4_MY_008_057: New product



COPERNICUS CLIMATE SERVICE GLOBAL OCEAN GRIDDED L4 SEA SURFACE HEIGHTS AND DERIVED VARIABLES NRT

Product upgrade:
Following the full reprocessing of MY products for December 2021 release, this new product replaces previous SEALEVEL_GLO_PHY_CLIMATE_L4_REP_OBSERVATIONS_008_057

Compared to the previous version this product includes:

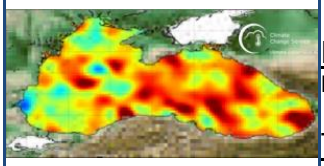
- The use of up-to-date altimeter standards and geophysical corrections (upstream L2P)
- The use of the CNES_CLS_2018 MDT (Mulet et al, 2021) combined with CMEMS_2020 regional MDTs for Mediterranean and Black Sea (008_066 and 008_067 products)
- The use of new mapping parameters (measurement error budget).
  - ➔ These changes contribute to improve the product quality at mesoscales.
- Additionally, different new variables will be delivered:
  - tpa_correction: Correction for the Topex-A instrumental drift. Significant for [1993, 1998] period. This correction is not applied on the SLA variable delivered in DUACS products.
  - err_ugosa and err_vgosa: Formal mapping error on zonal & meridional geostrophic velocity anomalies as unit of signal variance “ice_flag”: as OI processing can extrapolate SLA signal over ice-covered areas, this flag allows the user to easily detect SLA pixels that correspond to these areas.

Need to update download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

SEALEVEL_BS_PHY_CLIMATE_L4_REP_OBSERVATIONS_008_058: Retired



COPERNICUS CLIMATE SERVICE BLACK SEA GRIDDED L4 SEA SURFACE HEIGHTS AND DERIVED VARIABLES NRT

Product upgrade:

Product retired from Copernicus Marine catalogue

Need to update download scripts:

N/A

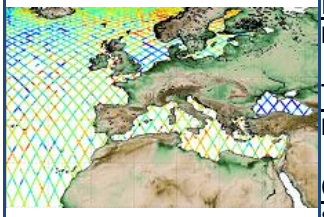
Transition period:

N/A

Complementary information:

Following the full reprocessing of MY products for December 2021 release, this product has been replaced by new SEALEVEL_GLO_PHY_CLIMATE_L4_MY_008_057 (no more regional processing for climate products)

SEALEVEL_EUR_PHY_L3_NRT_OBSERVATIONS_008_059 : Quality improvement and Retired dataset



EUROPEAN OCEAN ALONG-TRACK L3 SEA LEVEL ANOMALIES NRT TAILORED FOR DATA ASSIMILATION

Product upgrade:

- Use up-to-date altimeter geophysical corrections, use new MSS/MP,
- Additional “internal-tide” variable available.
- Improved methodology for LWE correction
- Use on “integer16” and scale factor for different variable storage in NetCDF
- Dataset dataset-duacs-nrt-europe-j2g-phy-l3 is retired (data older than 2 years)

Need to update download scripts:

N/A

Transition period:

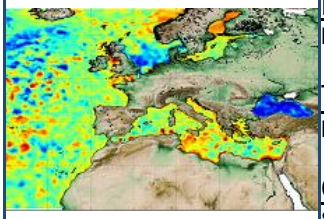
N/A

Complementary information:

Samples will be available from mid-November.

- The barotropic internal tide signal will be removed from SLA signal. The correction will be delivered in L3 products as a new variable (“internal_tide”).
- Change of Mean Sea Surface (MSS) or Mean Profile (MP) will be implemented. **Resulting SLA long-wavelength biases will be managed in SL-TAC NRT processing to ensure a seamless transition.**
- A new methodology will be used for LWE correction computation, contributing to improve the quality of the “sla_filtered”, “sla_unfiltered” and “lwe” variables.
- The storage of the different geophysical variable will be homogenized with the use of “interger16” format and scale factor attribute.

SEALEVEL_EUR_PHY_L4_NRT_OBSERVATIONS_008_060: Quality improvement



EUROPEAN OCEAN GRIDDED L4 SEA SURFACE HEIGHTS AND DERIVED VARIABLES NRT

Product upgrade:

- Use up-to-date altimeter standards (upstream L3)
- Use improved mapping parameters (correlation scale, observation error description)
- Additional variables available

Need to update download scripts:

N/A

Transition period:

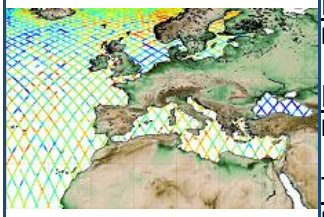
N/A

Complementary information:

Samples will be available from mid-November.

- The L4 product will benefit from different changes implemented in upstream L3 product (008_044) that contribute to improve the quality at mesoscale.
- New mapping parameters will be used (correlation scales, measurement error budget). They will contribute to improve the quality of the "sla" and derived fields at mesoscale.
- A new "ice_flag" variable will be added in the product. As OI processing can extrapolate SLA signal over ice-covered areas, this flag allows the user to easily detect SLA pixels that correspond to these areas.

SEALEVEL_EUR_PHY_L3_REP_OBSERVATIONS_008_061: Retired



EUROPEAN OCEAN ALONG-TRACK L3 SEA SURFACE HEIGHTS REPROCESSED (1993-ONGOING) TAILORED FOR DATA ASSIMILATION

Product upgrade:

Product retired from Copernicus Marine catalogue

Need to update download scripts:

N/A

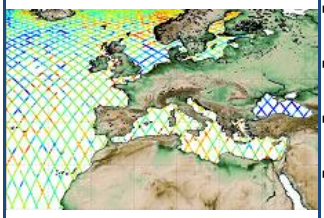
Transition period:

N/A

Complementary information:

Following the full reprocessing of MY products for December 2021 release, this product has been replaced by new SEALEVEL_EUR_PHY_L3_MY_008_061

SEALEVEL_EUR_PHY_L3_MY_008_061: New product



EUROPEAN OCEAN ALONG-TRACK L3 SEA SURFACE HEIGHTS REPROCESSED (1993-ONGOING) TAILORED FOR DATA ASSIMILATION

Product upgrade:

Following the full reprocessing of MY products for December 2021 release, this new product replaces previous SEALEVEL_EUR_PHY_L3_REP_OBSERVATIONS_008_061

Compared to the previous version this product includes:

- The use of up-to-date altimeter standards and geophysical corrections (upstream L2P) including a new correction for baroclinic internal tide signal
- The use of the CNES_CLS_2018 MDT (Mulet et al, 2021) combined with CMEMS_2020 regional MDTs for Mediterranean and Black Sea (008_066 and 008_067 products)
- The use of a new methodology used for LWE correction computation, contributing to improve the quality of the “sla_filtered”, “sla_unfiltered” and “lwe” variables.
- The storage of the different geophysical variable will be homogenized with the use of “interger16” format and scale factor attribute.
- Additionally, different new variables will be delivered:
  - “internal_tide”: the baroclinic internal tide signal that will be removed from SLA signal.

“tpa_correction”: Correction for the Topex-A instrumental drift. Significant for [1993, 1998] period. This correction is not applied on the SLA variable delivered in DUACS products.

Need to update download scripts:

N/A

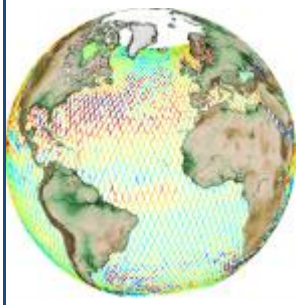
Transition period:

N/A

Complementary information:

N/A

SEALEVEL_GLO_PHY_L3_REP_OBSERVATIONS_008_062: Retired



GLOBAL OCEAN ALONG-TRACK L3 SEA SURFACE HEIGHTS REPROCESSED (1993-ONGOING) TAILORED FOR DATA ASSIMILATION

Product upgrade:

Product retired from Copernicus Marine catalogue

Need to update download scripts:

N/A

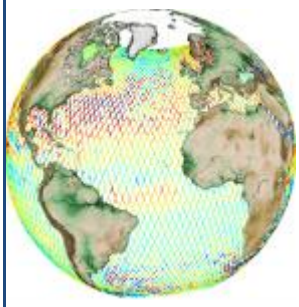
Transition period:

N/A

Complementary information:

Following the full reprocessing of MY products for December 2021 release, this product has been replaced by new SEALEVEL_GLO_PHY_L3_MY_008_062

SEALEVEL_GLO_PHY_L3_MY_008_062: New product



GLOBAL OCEAN ALONG-TRACK L3 SEA SURFACE HEIGHTS REPROCESSED (1993-ONGOING) TAILORED FOR DATA ASSIMILATION

Product upgrade:

Following the full reprocessing of MY products for December 2021 release, this new product replaces previous SEALEVEL_GLO_PHY_L3_REP_OBSERVATIONS_008_062

Compared to the previous version this product includes:

- The use of up-to-date altimeter standards and geophysical corrections (upstream L2P) including a new correction for baroclinic internal tide signal
- The use of the CNES_CLS_2018 MDT (Mulet et al, 2021) combined with CMEMS_2020 regional MDTs for Mediterranean and Black Sea (008_066 and 008_067 products)
- The use of a new methodology used for LWE correction computation, contributing to improve the quality of the “sla_filtered”, “sla_unfiltered” and “lwe” variables.
- The storage of the different geophysical variable will be homogenized with the use of “interger16” format and scale factor attribute.
- Additionally, different new variables will be delivered:
  - “internal_tide”: the baroclinic internal tide signal that will be removed from SLA signal.

“tpa_correction”: Correction for the Topex-A instrumental drift. Significant for [1993, 1998] period. This correction is not applied on the SLA variable delivered in DUACS products.

Need to update download scripts:

N/A

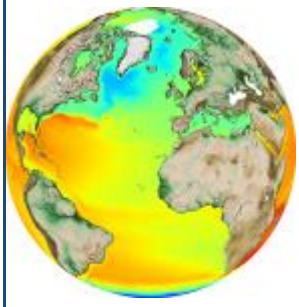
Transition period:

N/A

Complementary information:

N/A

SEALEVEL_GLO_PHY_MDT_008_063: Quality improvement



GLOBAL OCEAN MEAN DYNAMIC TOPOGRAPHY

Product upgrade:

The CNES_CLS_2018 global MDT (Mulet et al, 2021) will be merged with regional CMEMS_2020 MDTs (008_066 & 008_067 products) available over the Mediterranean and Black Sea (Jousset et al, 2020)

Need to update download scripts:

N/A

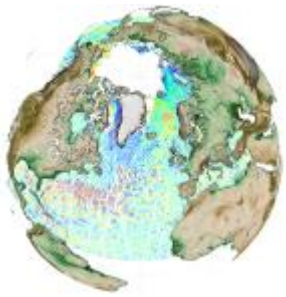
Transition period:

N/A

Complementary information:

This new version represents well the large scale and mesoscale structures of the Mediterranean Sea. Regionally, performances are improved performance compared to previous version but with less intense coastal currents (Algerian current, coastal current at east of Levantin basin and Asia Minor Current).(Jousset et al., 2020)

SEALEVEL_ATL_PHY_HR_L3_MY_008_064: No change



NORTH ATLANTIC AND EUROPEAN SEAS ALONG-TRACK HIGH RESOLUTION L3 SEA LEVEL ANOMALIES

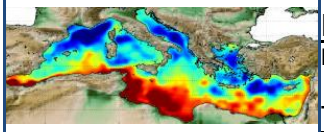
Product upgrade:
N/A

Need to update download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

SEALEVEL_MED_PHY_MDT_L4_STATIC_008_066: No change



MEDITERRANEAN SEA MEAN DYNAMIC TOPOGRAPHY

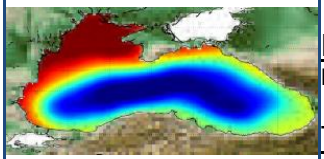
Product upgrade:
N/A

Need to update download scripts:
N/A

Transition period:
N/A

Complementary information:

SEALEVEL_BLK_PHY_MDT_L4_STATIC_008_067: No change



BLACK SEA MEAN DYNAMIC TOPOGRAPHY

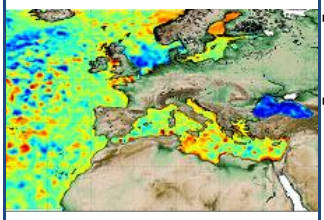
Product upgrade:
N/A

Need to update download scripts:
N/A

Transition period:
N/A

Complementary information:

SEALEVEL_EUR_PHY_L4_MY_008_068: New product



EUROPEAN OCEAN GRIDDED L4 SEA SURFACE HEIGHTS AND DERIVED VARIABLES NRT

Product upgrade:

Following the full reprocessing of MY products for December 2021 release, this new product replaces previous SEALEVEL_BS_PHY_L4_REP_OBSERVATIONS_008_042 and SEALEVEL_MED_PHY_L4_REP_OBSERVATIONS_008_051 ones

Compared to the previous version available for Mediterranean and Black Sea, this product includes:

- The use of up-to-date altimeter standards and geophysical corrections (upstream L2P)
- The use of the CNES_CLS_2018 MDT (Mulet et al, 2021) combined with CMEMS_2020 regional MDTs for Mediterranean and Black Sea (008_066 and 008_067 products)
- The use of new mapping parameters (correlation scales, measurement error budget, bathymetric constraint for Black Sea).
  - ➔ All these changes contribute to improve the product quality at mesoscales.
- Additionally, different new variables will be delivered:
  - tpa_correction: Correction for the Topex-A instrumental drift. Significant for [1993, 1998] period. This correction is not applied on the SLA variable delivered in DUACS products.
  - err_ugosa and err_vgosa: Formal mapping error on zonal & meridional geostrophic velocity anomalies as unit of signal variance

"ice_flag": as OI processing can extrapolate SLA signal over ice-covered areas, this flag allows the user to easily detect SLA pixels that correspond to these areas.

Need to update download scripts:

N/A

Transition period:

N/A

Complementary information:

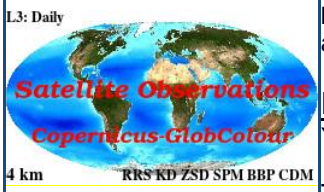
N/A

Ocean Colour

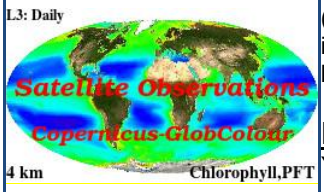
Important information:

From December 2020, at each new catalogue release there will involve be an extension of 6 months of each MYP and corresponding shortening of the respective NRT product where applicable and this won't be anymore specified in the products upgrade.

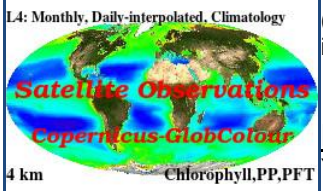
OCEANCOLOUR_GLO_OPTICS_L3_NRT_OBSERVATIONS_009_030: Quality improvement/ Additional dataset/Temporal Extension (Reduction)

	Global Ocean, Ocean Optics Products (daily observation) Product upgrade: Beginning of the NRT timeseries is set to July 2021. The OLCI-S3A NRT datasets are replaced by new ones based on the merging of S3A & S3B (taking benefit of the upstream EUMETSAT 2021 reprocessing). The OLCI timeseries are now split in NRT and REP complementary datasets. Need to update download scripts: Yes, for OLCI 4km datasets. Transition period: From 2021/12/14 to 2022/02/14 (for OLCI 4km datasets). Complementary information: Double dissemination (to former & new data) will be available during the transition period. Please see associated FAQ.

OCEANCOLOUR_GLO_CHL_L3_NRT_OBSERVATIONS_009_032: Quality improvement/ Additional dataset/Temporal Extension (Reduction)

	Global Ocean, Ocean Colour Chlorophyll (daily observation) Product upgrade: Beginning of the NRT timeseries is set to July 2021 (except for the Global 300 m coastal product). The OLCI-S3A NRT 4 km datasets are replaced by new ones based on the merging of S3A & S3B (taking benefit of the upstream EUMETSAT 2021 reprocessing). The OLCI timeseries are now split in NRT and REP complementary datasets. The Global Coastal 300m product is updated (taking benefit of the upstream EUMETSAT 2021 reprocessing). Need to update download scripts: Yes, for OLCI 4km datasets. Transition period: From 2021/12/14 to 2022/02/14 (for OLCI 4km datasets). Complementary information: Double dissemination (to former & new data) will be available during the transition period. Please see associated FAQ.

OCEANCOLOUR_GLO_CHL_L4_NRT_OBSERVATIONS_009_033: Quality improvement/ Additional dataset/Temporal Extension (Reduction)



Global Ocean Chlorophyll (Copernicus-GlobColour) from Satellite Observations – Near Real Time

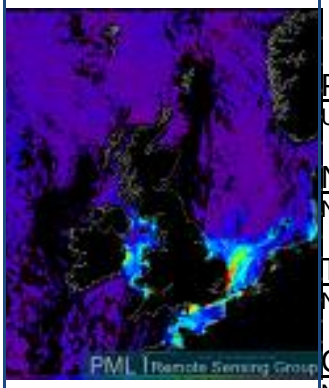
Product upgrade:
Beginning of the NRT timeseries is set to July 2021.
The OLCI-S3A NRT 4 km datasets are replaced by new ones based on the merging of S3A & S3B (taking benefit of the upstream EUMETSAT 2021 reprocessing). The OLCI timeseries are now split in NRT and REP complementary datasets.

Need to update download scripts:
Yes, for OLCI 4km datasets.

Transition period:
From 2021/12/14 to 2022/02/14 (for OLCI 4km datasets).

Complementary information:
Double dissemination (to former & new data) will be available during the transition period.
Please see associated FAQ.

OCEANCOLOUR_ATL_OPTICS_L3_NRT_OBSERVATIONS_009_034: Upstream data change/ Temporal Extension



North Atlantic Remote Sensing Reflectances, Attenuation Coefficient at 490nm, and inherent optical properties from Satellite observations

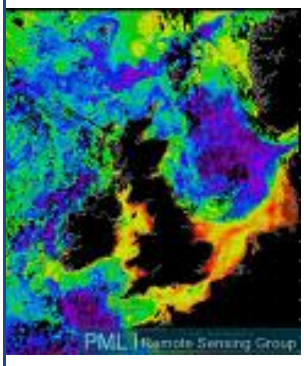
Product upgrade:
Upstream reprocessing & Backward temporal extension to 2021-01-01

Need to update download scripts:
NO

Transition period:
NO

Complementary information:
N/A

OCEANCOLOUR_ATL_CHL_L3_NRT_OBSERVATIONS_009_036: Upstream data change/ Temporal Extension



North Atlantic Surface Chlorophyll Concentration from Satellite observations

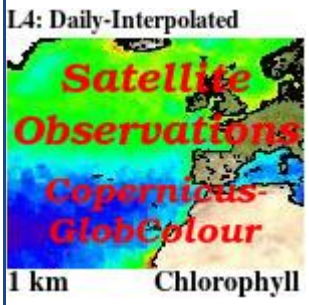
Product upgrade:
Upstream reprocessing & Backward temporal extension to 2021-01-01

Need to update download scripts:
NO

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_ATL_CHL_L4_NRT_OBSERVATIONS_009_037: Temporal Extension (Reduction)



North Atlantic Chlorophyll (Copernicus-GlobColour) from Satellite Observations: Daily Interpolated (Near Real Time)

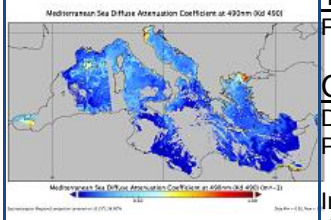
Product upgrade: Beginning of the NRT timeseries is set to July 2021.

Need to update download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_MED_OPTICS_L3_NRT_OBSERVATIONS_009_038: Upstream data change/ Temporal Extension/Updated file format of dataset



Mediterranean Sea Remote Sensing Reflectances and Attenuation Coefficient at 490nm from Satellite observations

Product upgrade:
Upstream reprocessing & Backward temporal extension to 2021-01-01 & additional sensor mask variable to 300m OLCI A&B

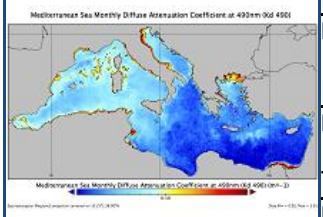
Need to update download scripts:
Yes

Transition period:
From 2021/12/14 to 2022/02/14

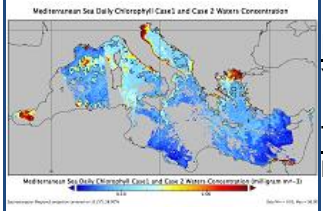
Complementary information:
Double dissemination (to former & new data) will be available during the transition period.
Please see associated FAQ.

Impacted datasets:
dataset-oc-med-opt-olci-l3-kd490_300m_daily-rt
dataset-oc-med-opt-olci-l3-rrs400_300m_daily-rt
dataset-oc-med-opt-olci-l3-rrs412_300m_daily-rt
dataset-oc-med-opt-olci-l3-rrs443_300m_daily-rt
dataset-oc-med-opt-olci-l3-rrs490_300m_daily-rt
dataset-oc-med-opt-olci-l3-rrs510_300m_daily-rt
dataset-oc-med-opt-olci-l3-rrs560_300m_daily-rt
dataset-oc-med-opt-olci-l3-rrs620_300m_daily-rt
dataset-oc-med-opt-olci-l3-rrs665_300m_daily-rt
dataset-oc-med-opt-olci-l3-rrs674_300m_daily-rt
dataset-oc-med-opt-olci-l3-rrs681_300m_daily-rt
dataset-oc-med-opt-olci-l3-rrs709_300m_daily-rt

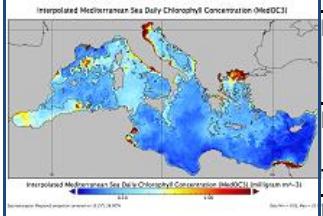
OCEANCOLOUR_MED_OPTICS_L4_NRT_OBSERVATIONS_009_039: No change

	Mediterranean Sea Monthly and Weekly means of Attenuation Coefficient at 490nm from Satellite observations Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

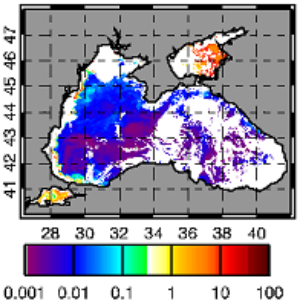
OCEANCOLOUR_MED_CHL_L3_NRT_OBSERVATIONS_009_040: Upstream data change/ Temporal Extension/Updated file format of dataset

	Mediterranean Sea Surface Chlorophyll Concentration from Satellite observations Product upgrade: Upstream reprocessing & Backward temporal extension to 2021-01-01 & additional sensor mask variable to 300m OLCI A&B Need to update download scripts: Yes Transition period: From 2021/12/14 to 2022/02/14 Complementary information: Double dissemination (to former & new data) will be available during the transition period. Please see associated FAQ. Impacted datasets dataset-oc-med-chl-olci-l3-chl_300m_daily-rt

OCEANCOLOUR_MED_CHL_L4_NRT_OBSERVATIONS_009_041: No change

	Mediterranean Sea Monthly and Weekly Interpolated means of Surface Chlorophyll Concentration from Satellite observations Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_BS_OPTICS_L3_NRT_OBSERVATIONS_009_042: Upstream data change/ Temporal Extension/Updated file format of dataset



Black Sea Remote Sensing Reflectances and Attenuation Coefficient at 490nm from Satellite observations

Product upgrade:
Upstream reprocessing & Backward temporal extension to 2021-01-01 & additional sensor mask variable to 300m OLCI A&B

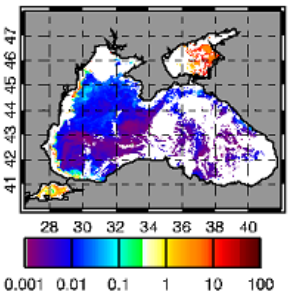
Need to update download scripts:
Yes

Transition period:
From 2021/12/14 to 2022/02/14

Complementary information:
Double dissemination (to former & new data) will be available during the transition period.
Please see associated FAQ.

Impacted datasets:
dataset-oc-bs-opt-olci-l3-kd490_300m_daily-rt
dataset-oc-bs-opt-olci-l3-rrs400_300m_daily-rt
dataset-oc-bs-opt-olci-l3-rrs412_300m_daily-rt
dataset-oc-bs-opt-olci-l3-rrs443_300m_daily-rt
dataset-oc-bs-opt-olci-l3-rrs490_300m_daily-rt
dataset-oc-bs-opt-olci-l3-rrs510_300m_daily-rt
dataset-oc-bs-opt-olci-l3-rrs560_300m_daily-rt
dataset-oc-bs-opt-olci-l3-rrs620_300m_daily-rt
dataset-oc-bs-opt-olci-l3-rrs665_300m_daily-rt
dataset-oc-bs-opt-olci-l3-rrs674_300m_daily-rt
dataset-oc-bs-opt-olci-l3-rrs681_300m_daily-rt
dataset-oc-bs-opt-olci-l3-rrs709_300m_daily-rt

OCEANCOLOUR_BS_OPTICS_L4_NRT_OBSERVATIONS_009_043: No change



Black Sea Monthly and Weekly means of Attenuation Coefficient at 490nm from Satellite observations

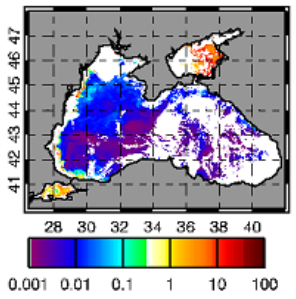
Product upgrade:
No change

Need to update download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_BS_CHL_L3_NRT_OBSERVATIONS_009_044: Upstream data change/ Temporal Extension/Updated file format of dataset



Black Sea Surface Chlorophyll Concentration from Satellite observations

Product upgrade:
Upstream reprocessing & Backward temporal extension to 2021-01-01 & additional sensor mask variable to 300m OLCI A&B

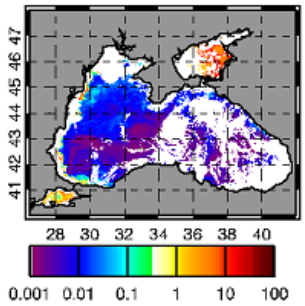
Need to update download scripts:
Yes

Transition period:
From 2021/12/14 to 2022/02/14

Complementary information:
Double dissemination (to former & new data) will be available during the transition period.
Please see associated FAQ.

Impacted datasets:
dataset-oc-bs-chl-olci-l3-chl_300m_daily-rt

OCEANCOLOUR_BS_CHL_L4_NRT_OBSERVATIONS_009_045 : No change



Black Sea Monthly and Weekly Interpolated means of Surface Chlorophyll Concentration from Satellite observations

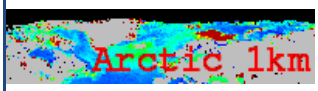
Product upgrade:
No change

Need to update download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_ARC_OPTICS_L3_NRT_OBSERVATIONS_009_046: Upstream data change/ Temporal Extension



Arctic Remote Sensing Reflectances, Attenuation Coefficient at 490nm, and inherent optical properties from Satellite observations

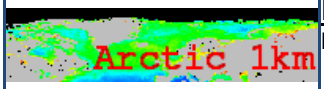
Product upgrade:
Upstream reprocessing & Backward temporal extension to 2021-01-01

Need to update download scripts:
NO

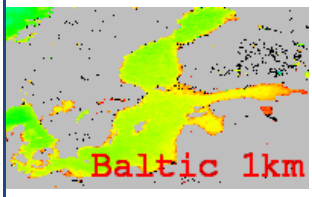
Transition period:
NO

Complementary information:
N/A

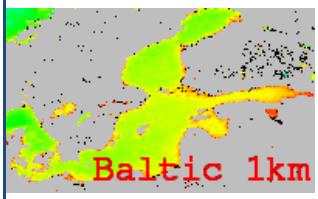
OCEANCOLOUR_ARC_CHL_L3_NRT_OBSERVATIONS_009_047: Upstream data change/ Temporal Extension

	Arctic Surface Chlorophyll Concentration from Satellite observations Product upgrade: Upstream reprocessing & Backward temporal extension to 2021-01-01 Need to update download scripts: NO Transition period: NO Complementary information: N/A

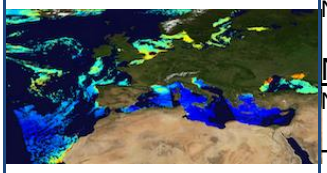
OCEANCOLOUR_BAL_OPTICS_L3_NRT_OBSERVATIONS_009_048: Upstream data change/ Temporal Extension/Updated file format of dataset

	Baltic Sea, Ocean Colour Optics product (daily observation) Product upgrade: Upstream reprocessing & Backward temporal extension to 2021-01-01& additional sensor mask variable to 300m OLCI A&B Need to update download scripts: Yes Transition period: From 2021/12/14 to 2022/02/14 Complementary information: Double dissemination (to former & new data) will be available during the transition period. Please see associated FAQ. Impacted datasets: dataset-oc-bal-opt-olci-l3-bbp510_300m_daily-rt dataset-oc-bal-opt-olci-l3-aph440_300m_daily-rt dataset-oc-bal-opt-olci-l3-adg440_300m_daily-rt dataset-oc-bal-opt-olci-l3-kd490_300m_daily-rt dataset-oc-bal-opt-olci-l3-rrs400_300m_daily-rt dataset-oc-bal-opt-olci-l3-rrs412_300m_daily-rt dataset-oc-bal-opt-olci-l3-rrs443_300m_daily-rt dataset-oc-bal-opt-olci-l3-rrs490_300m_daily-rt dataset-oc-bal-opt-olci-l3-rrs510_300m_daily-rt dataset-oc-bal-opt-olci-l3-rrs560_300m_daily-rt dataset-oc-bal-opt-olci-l3-rrs620_300m_daily-rt dataset-oc-bal-opt-olci-l3-rrs665_300m_daily-rt dataset-oc-bal-opt-olci-l3-rrs674_300m_daily-rt dataset-oc-bal-opt-olci-l3-rrs681_300m_daily-rt dataset-oc-bal-opt-olci-l3-rrs709_300m_daily-rt

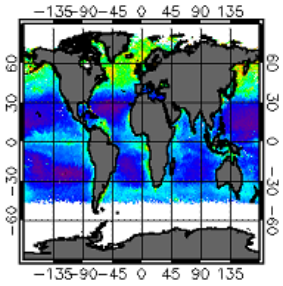
OCEANCOLOUR_BAL_CHL_L3_NRT_OBSERVATIONS_009_049: Upstream data change/ Temporal Extension/Updated file format of dataset

	Baltic Sea, Ocean Colour Chlorophyll (daily observation) Product upgrade: Upstream reprocessing & Backward temporal extension to 2021-01-01 & additional sensor mask variable to 300m OLCI A&B Need to update download scripts: Yes Transition period: From 2021/12/14 to 2022/02/14 Complementary information: Double dissemination (to former & new data) will be available during the transition period. Please see associated FAQ. Impacted datasets: dataset-oc-bal-chl-olci-l3-nn_300m_daily-rt .

OCEANCOLOUR_EUR_CHL_L3_NRT_OBSERVATIONS_009_050: No change

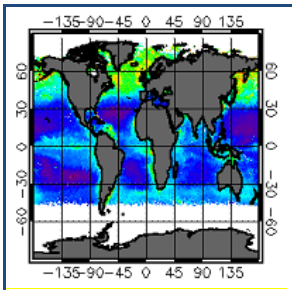
	European Sea Surface Chlorophyll Concentration from Multi Satellite observations Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_GLO_OPTICS_L3_REP_OBSERVATIONS_009_064: No change

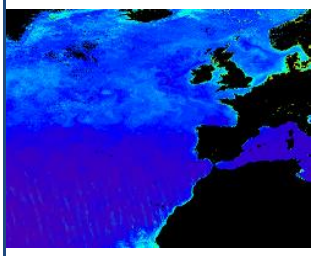
	Global Ocean, Ocean Optics Products (daily average) Reprocessed L3 (ESA-CCI) Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_GLO_CHL_L3_REP_OBSERVATIONS_009_065: Updated file format of dataset

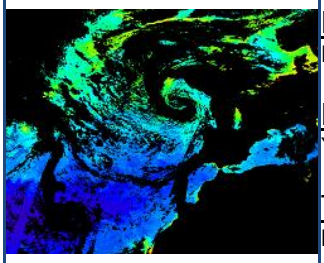
	Global Surface Chlorophyll Concentration from Satellite observations (daily average) Reprocessed L3 (ESA-CCI)

	Product upgrade: Inclusion of PFT uncertainty variable Need to update download scripts: YES Transition period: NO Complementary information: N/A

OCEANCOLOUR_ATL_OPTICS_L3_REP_OBSERVATIONS_009_066: No change

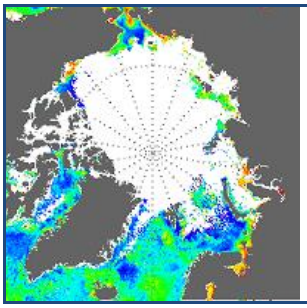
	North Atlantic Ocean, Ocean Optics Products (daily average) Reprocessed L3 (ESA-CCI) Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_ATL_CHL_L3_REP_OBSERVATIONS_009_067: Updated file format of dataset

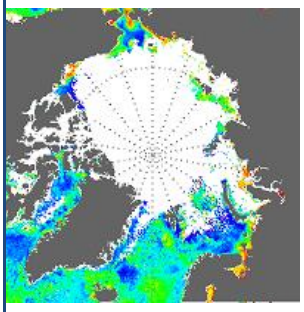
	North Altantic Chlorophyll Concentration from Satellite observations (daily average) Reprocessed L3 (ESA-CCI) Product upgrade: Inclusion of PFT uncertainty variable Need to update download scripts: YES Transition period: NO Complementary information: N/A

OCEANCOLOUR_ARC_OPTICS_L3_REP_OBSERVATIONS_009_068: No change

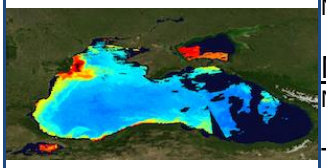
	Arctic Ocean, Ocean Optics Products (daily average) Reprocessed L3 (ESA-CCI) Product upgrade: No change Need to update download scripts: N/A

	Transition period: N/A Complementary information: N/A

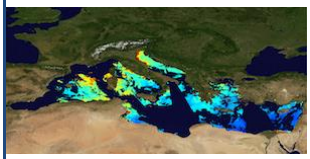
OCEANCOLOUR_ARC_CHL_L3_REP_OBSERVATIONS_009_069: Updated file format of dataset

	Arctic Chlorophyll Concentration from Satellite observations (daily average) Reprocessed L3 (ESA-CCI) Product upgrade: Inclusion of PFT uncertainty variable Need to update download scripts: YES Transition period: NO Complementary information: N/A

OCEANCOLOUR_BS_CHL_L3_REP_OBSERVATIONS_009_071: No change

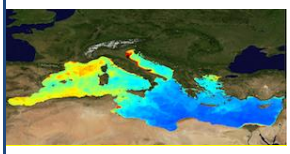
	Black Sea Reprocessed Surface Chlorophyll Concentration from Multi Satellite observations Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_MED_CHL_L3_REP_OBSERVATIONS_009_073: No change

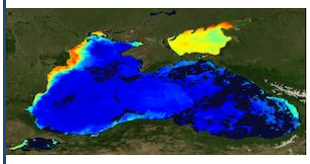
	Mediterranean Sea Reprocessed Surface Chlorophyll Concentration from Multi Satellite observations Product upgrade: No change Need to update download scripts: N/A Transition period: N/A

	Complementary information: N/A

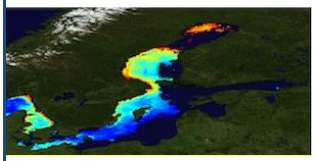
OCEANCOLOUR_MED_CHL_L4_REP_OBSERVATIONS_009_078: No change

	Mediterranean Sea Monthly and Daily Reprocessed Surface Chlorophyll Concentration from Multi Satellite observations Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

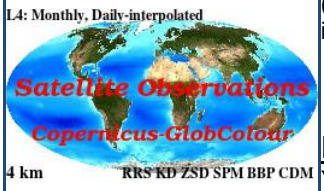
OCEANCOLOUR_BS_CHL_L4_REP_OBSERVATIONS_009_079: No change

	Black Sea Monthly and Daily Reprocessed Surface Chlorophyll Concentration from Multi Satellite observations Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_BAL_CHL_L3_REP_OBSERVATIONS_009_080: No change

	Baltic Sea Reprocessed Surface Chlorophyll Concentration from Multi Satellite observations Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_GLO_OPTICS_L4_REP_OBSERVATIONS_009_081: Quality improvement/ Additional dataset/Temporal Extension



Global Ocean NRRS, BBP, CDM, KD, ZSD, SPM (Copernicus-GlobColour) from Satellite Observations: Monthly and Daily-Interpolated (Reprocessed from 1997)

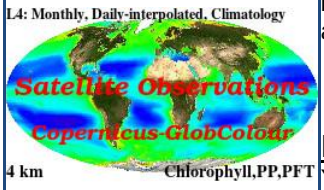
Product upgrade:
Time series extension to end of June 2021.
The OLCI-S3A NRT 4 km datasets are replaced by new ones based on the merging of S3A & S3B (taking benefit of the upstream EUMETSAT 2021 reprocessing). The OLCI timeseries are now split in NRT and REP complementary datasets.

Need to update download scripts:
Yes, for OLCI 4km datasets.

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_GLO_CHL_L4_REP_OBSERVATIONS_009_082: Quality improvement/ Additional dataset/Temporal Extension



Global Ocean Chlorophyll (Copernicus-GlobColour) from Satellite Observations – Reprocessed

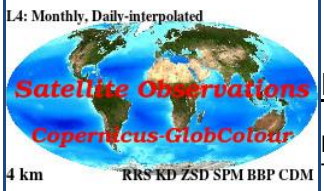
Product upgrade:
Time series extension to end of June 2021.
The OLCI-S3A NRT datasets are replaced by new ones based on the merging of S3A & S3B (taking benefit of the upstream EUMETSAT 2021 reprocessing). The OLCI timeseries are now split in NRT and REP complementary datasets.

Need to update download scripts:
Yes, for OLCI 4km datasets.

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_GLO_OPTICS_L4_NRT_OBSERVATIONS_009_083: Quality improvement/ Additional dataset/Temporal Extension (Reduction)



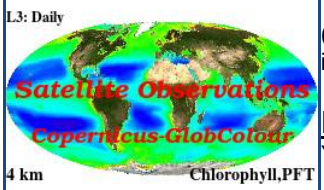
Global Ocean NRRS, BBP, CDM, KD, ZSD, SPM (Copernicus-GlobColour) from Satellite Observations: Monthly

Product upgrade:

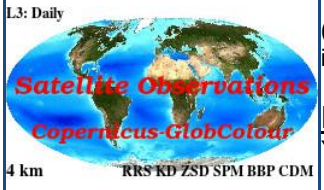
Beginning of the NRT timeseries is set to July 2021.
The OLCI-S3A NRT 4 km datasets are replaced by new ones based on the merging of S3A & S3B (taking benefit of the upstream EUMETSAT 2021 reprocessing). The OLCI timeseries are now split

	in NRT and REP complementary datasets. Need to update download scripts: Yes, for OLCI 4km datasets. Transition period: From 2021/12/14 to 2022/02/14 (for OLCI 4km datasets). Complementary information: Double dissemination (to former & new data) will be available during the transition period. Please see associated FAQ.

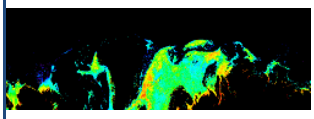
OCEANCOLOUR_GLO_CHL_L3_REP_OBSERVATIONS_009_085: Quality improvement/ Additional dataset/Temporal Extension

	Global Ocean Chlorophyll (Copernicus-GlobColour) from Satellite Observations – Reprocessed) Product upgrade: Time series extension to end of June 2021. The OLCI-S3A NRT 4 km datasets are replaced by new ones based on the merging of S3A & S3B (taking benefit of the upstream EUMETSAT 2021 reprocessing). The OLCI timeseries are now split in NRT and REP complementary datasets. Need to update download scripts: Yes, for OLCI 4km datasets. Transition period: N/A Complementary information: N/A

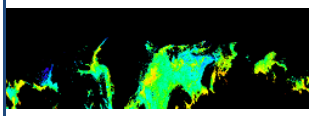
OCEANCOLOUR_GLO_OPTICS_L3_REP_OBSERVATIONS_009_086: Quality improvement/ Additional dataset/Temporal Extension

	Global Ocean NRRS, BBP, CDM, KD, ZSD, SPM (Copernicus-GlobColour) from Satellite Observations: Daily (Reprocessed from 1997) Product upgrade: Time series extension to end of June 2021. The OLCI-S3A NRT 4 km datasets are replaced by new ones based on the merging of S3A & S3B (taking benefit of the upstream EUMETSAT 2021 reprocessing). The OLCI timeseries are now split in NRT and REP complementary datasets Need to update download scripts: Yes, for OLCI 4km datasets. Transition period: Yes, for OLCI 4km datasets. Complementary information: N/A

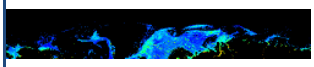
OCEANCOLOUR_ARC_CHL_L4_NRT_OBSERVATIONS_009_087 : Upstream data change/ Temporal Extension

	Arctic Surface Chlorophyll Concentration from Satellite observations: monthly Product upgrade: Upstream reprocessing & Backward temporal extension to 2021-01-01 Need to update download scripts: NO Transition period: NO Complementary information: N/A

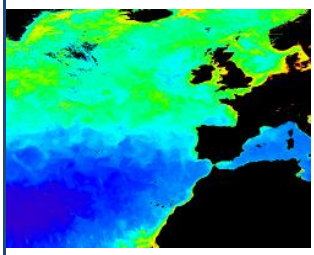
OCEANCOLOUR_ARC_CHL_L4_REP_OBSERVATIONS_009_088: No change

	Arctic Chlorophyll Concentration from Satellite observations (daily average) Reprocessed L4 (ESA-CCI): monthly and Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

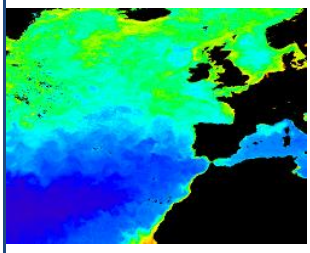
OCEANCOLOUR_ARC_OPTICS_L4_NRT_OBSERVATIONS_009_089: Upstream data change/ Temporal Extension

	Arctic Remote Sensing Reflectances, Attenuation Coefficient at 490nm, and inherent optical properties from Satellite observations: monthly Product upgrade: Upstream reprocessing & Backward temporal extension to 2021-01-01 Need to update download scripts: NO Transition period: NO Complementary information: N/A

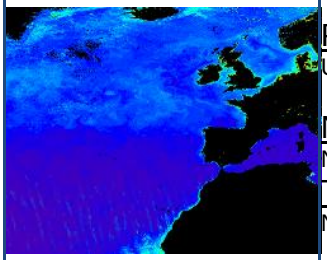
OCEANCOLOUR_ATL_CHL_L4_NRT_OBSERVATIONS_009_090: Upstream data change/ Temporal Extension

	North Atlantic Surface Chlorophyll Concentration from Satellite observations: monthly Product upgrade: Upstream reprocessing & Backward temporal extension to 2021-01-01 Need to update download scripts: NO Transition period: NO Complementary information: N/A

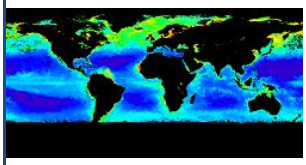
EANCOLOUR_ATL_CHL_L4_REP_OBSERVATIONS_009_091: No change

	Altantic Chlorophyll Concentration from Satellite observations (daily average) Reprocessed L4 (ESA-CCI): monthly Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

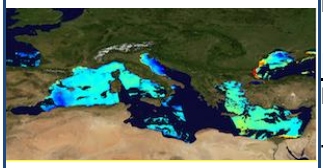
OCEANCOLOUR_ATL_OPTICS_L4_NRT_OBSERVATIONS_009_092: Upstream data change/ Temporal Extension

	North Atlantic Remote Sensing Reflectances, Attenuation Coefficient at 490nm, and inherent optical properties from Satellite observations: monthly Product upgrade: Upstream reprocessing & Backward temporal extension to 2021-01-01 Need to update download scripts: NO Transition period: NO Complementary information: N/A

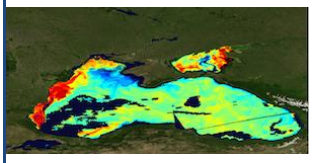
OCEANCOLOUR_GLO_CHL_L4_REP_OBSERVATIONS_009_093: No change

	Global Surface Chlorophyll Concentration from Satellite observations (daily average) Reprocessed L4 (ESA-CCI): monthly Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

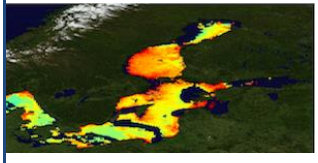
OCEANCOLOUR_MED_OPTICS_L3_REP_OBSERVATIONS_009_095: No change

	Mediterranean Sea Reprocessed Remote Sensing Reflectances and Attenuation Coefficient at 490nm from Multi Satellite observations Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_BS_OPTICS_L3_REP_OBSERVATIONS_009_096: No change

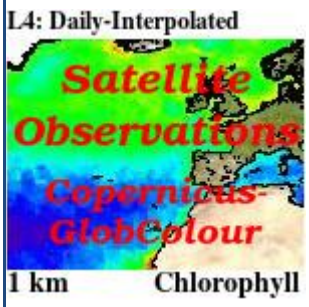
	Black Sea Reprocessed Remote Sensing Reflectances and Attenuation Coefficient at 490nm from Multi Satellite observations Product upgrade: No change Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_BAL_OPTICS_L3_REP_OBSERVATIONS_009_097: No change

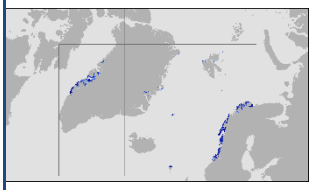
	Baltic Sea Reprocessed Remote Sensing Reflectances and Attenuation Coefficient at 490nm from Multi Satellite observations Product upgrade: No change Need to update download scripts: N/A

	Transition period: N/A Complementary information: N/A

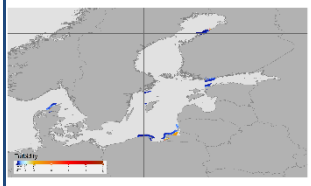
OCEANCOLOUR_ATL_CHL_L4_REP_OBSERVATIONS_009_098: No change

	North Atlantic Chlorophyll (Copernicus-GlobColour) from Satellite Observations: Daily Interpolated (Reprocessed from 1997) Product upgrade: Time series extension to end of June 2021. Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

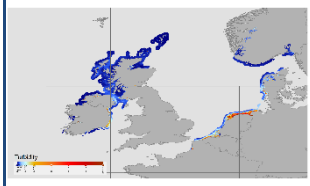
OCEANCOLOUR_ARC_BGC_HR_L3_NRT_009_201: No change

	Arctic Region, Bio-Geo-Chemical, L3, daily observation Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_BAL_BGC_HR_L3_NRT_009_202: No change

	Baltic Sea, Bio-Geo-Chemical, L3, daily observation Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_NWS_BGC_HR_L3_NRT_009_203: No change



North West Shelf Region, Bio-Geo-Chemical, L3, daily observation

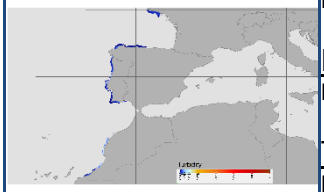
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_IBI_BGC_HR_L3_NRT_009_204: No change



Iberic Sea, Bio-Geo-Chemical, L3, daily observation

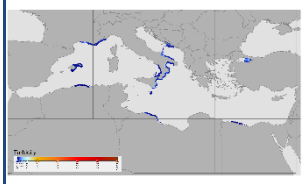
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_MED_BGC_HR_L3_NRT_009_205: No change



Mediterranean Sea, Bio-Geo-Chemical, L3, daily observation

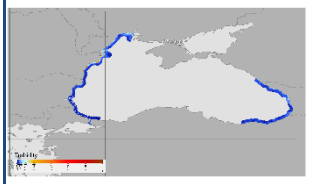
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_BLK_BGC_HR_L3_NRT_009_206: No change



Black Sea, Bio-Geo-Chemical, L3, daily observation

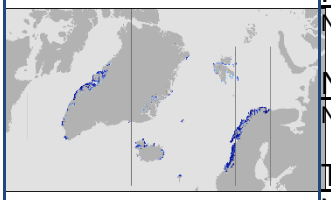
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_ARC_BGC_HR_L4_NRT_009_207: No change



Arctic Region, Bio-Geo-Chemical, L4, daily gap-filled and monthly observation

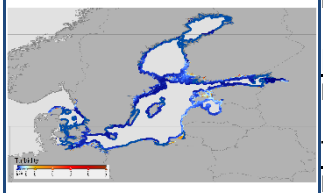
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_BAL_BGC_HR_L4_NRT_009_208: No change



Baltic Sea, Bio-Geo-Chemical, L4, daily gap-filled and monthly observation

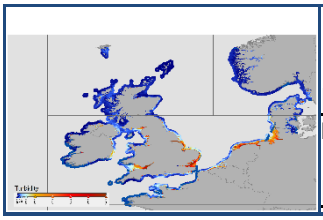
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

OCEANCOLOUR_NWS_BGC_HR_L4_NRT_009_209: No change



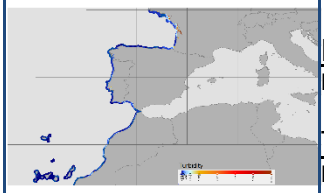
North West Shelf Region, Bio-Geo-Chemical, L4, daily gap-filled and monthly observation

Product upgrade:
No change

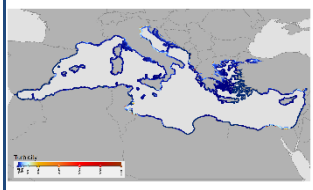
Need to update existing download scripts:

	N/A Transition period: N/A Complementary information: N/A

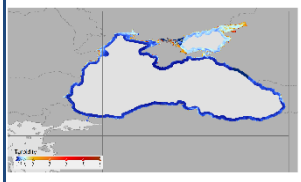
OCEANCOLOUR_IBI_BGC_HR_L4_NRT_009_210: No change

	Iberic Sea, Bio-Geo-Chemical, L4, daily gap-filled and monthly observation Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

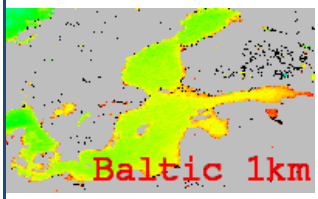
OCEANCOLOUR_MED_BGC_HR_L4_NRT_009_211: No change

	Mediterranean Sea, Bio-Geo-Chemical, L4, daily gap-filled and monthly observation Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_BLK_BGC_HR_L4_NRT_009_212: No change

	Black Sea, Bio-Geo-Chemical, L4, daily gap-filled and monthly observation Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

OCEANCOLOUR_BAL_BGC_L4_NRT_009_332: New product



Baltic Sea Monthly Surface Chlorophyll Concentration from Sentinel-3 OLCI observations

Product upgrade:
The L4 monthly dataset is the time average of the daily L3 fields (dataset-oc-bal-chl-olci-l3-nn_300m_daily-rt) and includes the number of observations and their standard deviation (at pixel level) in the monthly period of integration.

The new dataset is:
cmems_obs-oc_bal_bgc-chl_nrt_olci-l4-300m_P1M-m

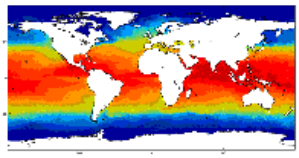
Need to update download scripts:
No

Transition period:
N/A

Complementary information:
N/A

Sea SurfaceTemperature

SST_GLO_SST_L4_NRT_OBSERVATIONS_010_001: No change



Global Ocean OSTIA Sea Surface Temperature and Sea Ice Analysis

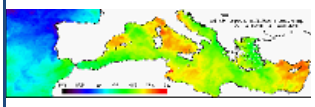
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

SST_MED_SST_L4_NRT_OBSERVATIONS_010_004: No change



Mediterranean Sea High Resolution and Ultra High-Resolution Sea Surface Temperature Analysis

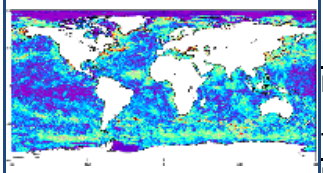
Product upgrade:
No change

Need to update existing download scripts:
N/A

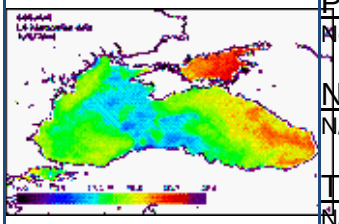
Transition period:
N/A

Complementary information:
N/A

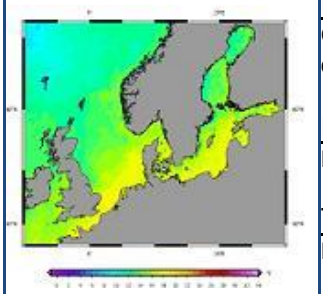
SST_GLO_SST_L4_NRT_OBSERVATIONS_010_005: No change

	Global Ocean Sea Surface Temperature Multi Product Ensemble (GMPE) Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

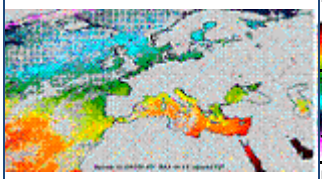
SST_BS_SST_L4_NRT_OBSERVATIONS_010_006: No change

	Black Sea High Resolution and Ultra High-Resolution Sea Surface Temperature Analysis Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

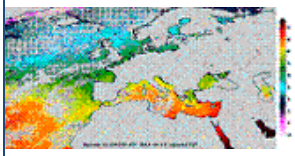
SST_BAL_SST_L4_NRT_OBSERVATIONS_010_007_b: Quality improvement

	Baltic Sea- Sea Surface Temperature Analysis Product upgrade: Change of treatment of sea ice in the product to realistic sea surface temperature value for sea ice covered points Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

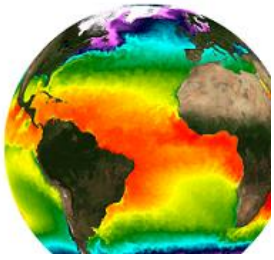
SST_EUR_SST_L3S_NRT_OBSERVATIONS_010_009_a: No change

	European Ocean- Sea Surface Temperature Multi-Sensor L3 Observations Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

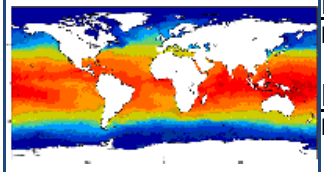
SST_EUR_SST_L3C_NRT_OBSERVATIONS_010_009_b: No change

	European Ocean- Sea Surface Temperature Mono-Sensor L3 Observations Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SST_GLO_SST_L3S_NRT_OBSERVATIONS_010_010: No change

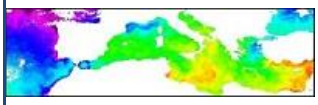
	Global Ocean Sea Surface Temperature L3 Observations Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SST_GLO_SST_L4_REP_OBSERVATIONS_010_011: No change

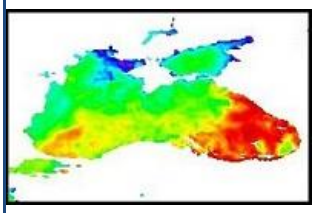
	Global Ocean OSTIA Sea Surface Temperature and Sea Ice Reprocessed Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A

	Complementary information: N/A

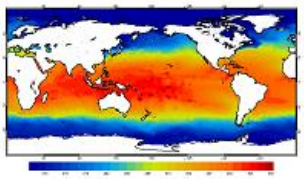
SST_MED_SST_L3S_NRT_OBSERVATIONS_010_012: No change

	Mediterranean Sea - High Resolution and Ultra High Resolution L3S Sea Surface Temperature Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

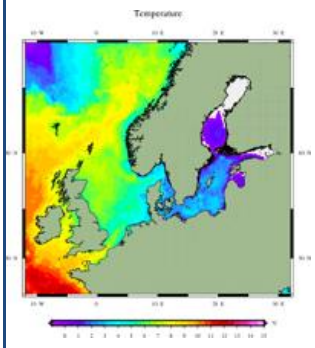
SST_BS_SST_L3S_NRT_OBSERVATIONS_010_013: No change

	Black Sea - High Resolution and Ultra High Resolution L3S Sea Surface Temperature Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SST_GLO_SST_L4_NRT_OBSERVATIONS_010_014: No change

	Global Ocean OSTIA Diurnal Skin Sea Surface Temperature Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SST_BAL_SST_L4_REP_OBSERVATIONS_010_016: Temporal extensions



Baltic Sea- Sea Surface Temperature Reprocessed

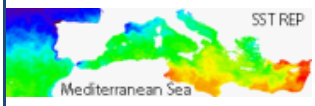
Product upgrade:
Automatic temporal extension with the period 1st September 2019 - 31st May 2021. In the future, the product is expected to be updated twice yearly, depending upon the availability of upstream satellite data from the C3S project.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

SST_MED_SST_L4_REP_OBSERVATIONS_010_021: Automatic temporal extension



Mediterranean Sea - High Resolution L4 Sea Surface Temperature Reprocessed

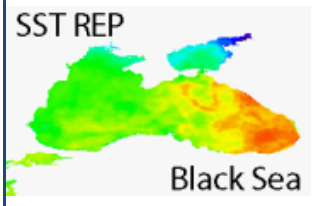
Product upgrade:
This product will be regularly updated on a daily basis, reaching 6 months before real time

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

SST_BS_SST_L4_REP_OBSERVATIONS_010_022: Automatic temporal extension



Black Sea - High Resolution L4 Sea Surface Temperature Reprocessed

Product upgrade:
This product will be regularly updated on a daily basis, reaching 6 months before real time

Need to update existing download scripts:
N/A

Transition period:
N/A

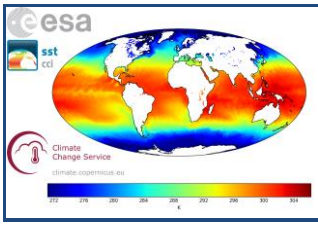
Complementary information:
N/A

SST_GLO_SST_L4_REP_OBSERVATIONS_010_024: No change

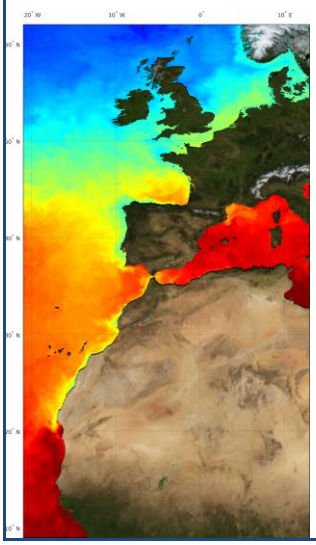
ESA SST CCI and C3S reprocessed sea surface temperature analyses

Product upgrade:
No change

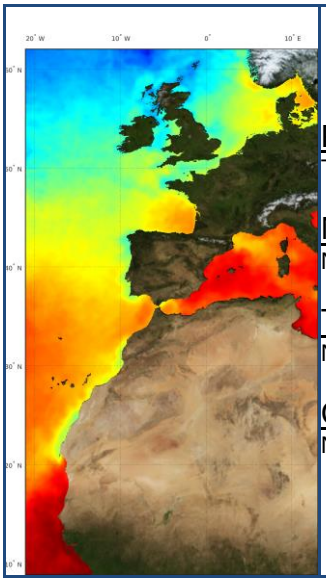
Need to update existing download scripts:

	N/A Transition period: N/A Complementary information: N/A

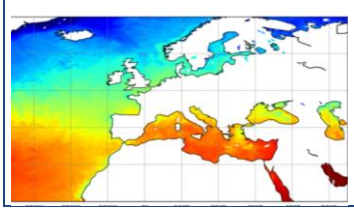
SST_ATL_SST_L4_NRT_OBSERVATIONS_010_025: No change

	European North West Shelf/Iberia Biscay Irish Seas – High Resolution ODYSSEA L4 Sea Surface Temperature Analysis Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SST_ATL_SST_L4_REP_OBSERVATIONS_010_026: Temporal extension

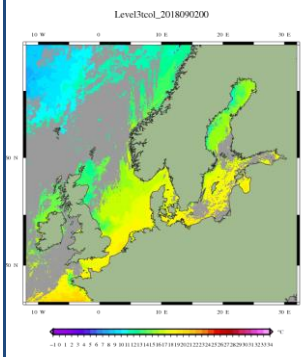
	European North West Shelf/Iberia Biscay Irish Seas - High Resolution L4 Sea Surface Temperature Reprocessed Product upgrade: The dataset has been extended by adding the year 2020. Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SST_EUR_PHY_L4_NRT_010_031: No change

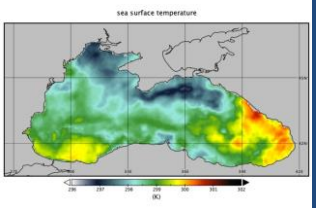
	European Seas Sea Surface Temperature L4 Product upgrade: Additional upstream data VIIRS_SST_NOAA20_NAR Need to update existing download scripts: N/A

	Transition period: N/A Complementary information: N/A

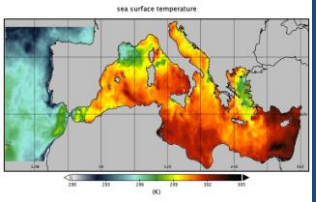
SST_BAL_SST_L3S_NRT_OBSERVATIONS_010_032: No change

	DMI North Sea/Baltic Sea Sea Surface Temperature L3S Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SST_BS_PHY_SUBSKIN_L4_NRT_010_035: No change

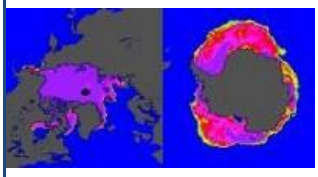
	Black Sea - High Resolution Diurnal Subskin Sea Surface Temperature Analysis Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SST_MED_PHY_SUBSKIN_L4_NRT_010_036: No change

	Mediterranean Sea - High Resolution Diurnal Subskin Sea Surface Temperature Analysis Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

Sea Ice

SEAICE_GLO_SEAICE_L4_NRT_OBSERVATIONS_011_001: No change



Global Ocean - Arctic and Antarctic - Sea Ice Concentration, Edge, Type and Drift (OSI-SAF)

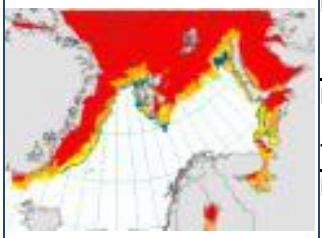
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

SEAICE_ARC_SEAICE_L4_NRT_OBSERVATIONS_011_002: No change



Arctic Ocean - Sea Ice Concentration Charts - Svalbard and Greenland

Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

SEAICE_BAL_SEAICE_L4_NRT_OBSERVATIONS_011_004: No change

Baltic Sea - Sea Ice Concentration and Thickness Charts

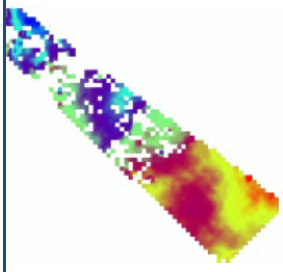
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

SEAICE_GLO_SEAICE_L4_NRT_OBSERVATIONS_011_006: No change



Global Ocean - High Resolution SAR Sea Ice Drift

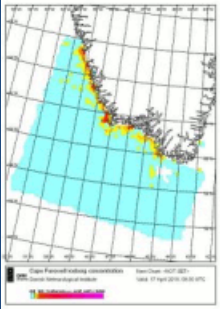
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

SEAICE_ARC_SEAICE_L4_NRT_OBSERVATIONS_011_007: No change



Arctic Ocean - SAR Sea Ice Berg Concentration

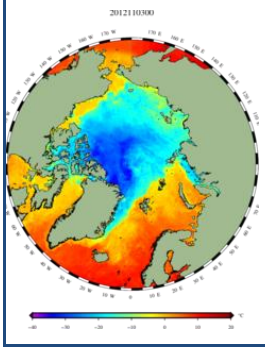
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

SEAICE_ARC_SEAICE_L4_NRT_OBSERVATIONS_011_008: Quality Improvement



Arctic Ocean - Sea and Ice Surface Temperature

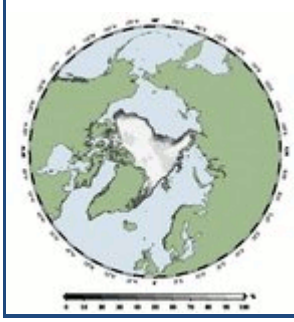
Product upgrade:
Introduction of a consistent and improved sea ice concentration data set.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

SEAICE_GLO_SEAICE_L4_REP_OBSERVATIONS_011_009: No change



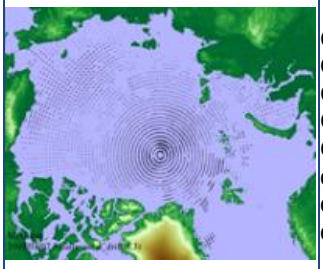
Global Ocean Sea Ice Concentration Time Series REPROCESSED (OSI-SAF)

Product upgrade:
No change

Need to update existing download scripts:
N/A

	Transition period: N/A Complementary information: N/A

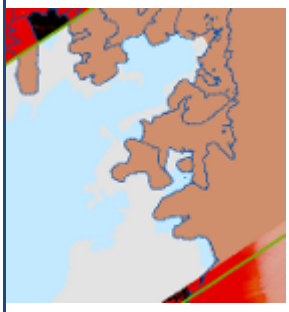
SEAICE_ARC_SEAICE_L3_REP_OBSERVATIONS_011_010: Quality Improvement

	Arctic Ocean Sea Ice Drift REPROCESSED Product upgrade: Upstream data change: data from the ASCAT-C sensor has been added to the merged ASCAT A&B data. For the product SEAICE_ARC_SEAICE_L3_REP_OBSERVATIONS_011_010, these datasets are extended until 31.10.2021: CERSAT-GLO-SEAICE_30DAYS_DRIFT_ASCAT_SSMI_MERGED_RAN-OBS_FULL_TIME_SERIE CERSAT-GLO-SEAICE_3DAYS_DRIFT_ASCAT_RAN-OBS_FULL_TIME_SERIE CERSAT-GLO-SEAICE_3DAYS_DRIFT_ASCAT_SSMI_MERGED_RAN-OBS_FULL_TIME_SERIE CERSAT-GLO-SEAICE_6DAYS_DRIFT_ASCAT_RAN-OBS_FULL_TIME_SERIE cmems_obs-si_arc_phy_my_drift-amsr_P2D cmems_obs-si_arc_phy_my_drift-amsr_P3D cmems_obs-si_arc_phy_my_drift-amsr_P6D Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

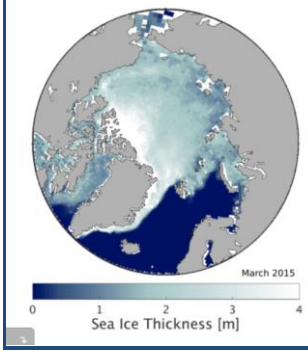
SEAICE_BAL_SEAICE_L4_NRT_OBSERVATIONS_011_011: No change

	Baltic Sea - SAR Sea Ice Thickness and Drift Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

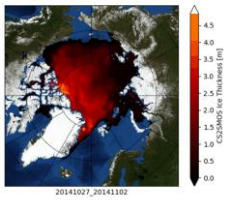
SEAICE_ANT_SEAICE_L4_NRT_OBSERVATIONS_011_012: No change

	Antarctic Ocean - Sea Ice Edge from SAR Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

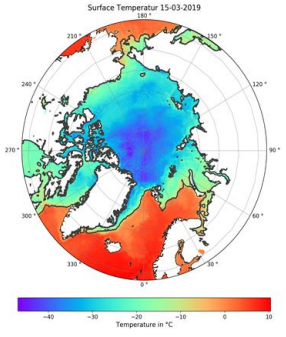
SEAICE_ARC_SEAICE_L3_REP_OBSERVATIONS_011_013: No change

	Arctic Ocean - Sea Ice Thickness Reprocessed Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SEAICE_ARC_SEAICE_L3_NRT_OBSERVATIONS_011_014: No change

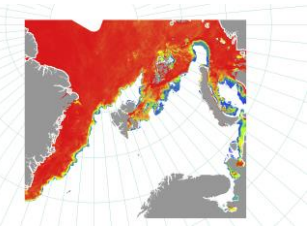
	Arctic Ocean - Sea Ice Thickness NRT Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SEAICE_ARC_PHY_AUTO_L4_NRT_011_015: No change

	Arctic Ocean - High resolution Sea Ice Concentration and Sea Ice Type Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A

	Complementary information: N/A

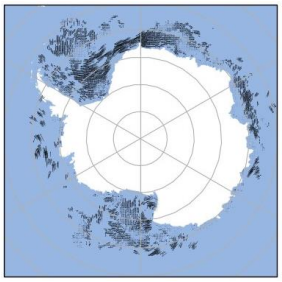
SEAICE_ARC_PHY_CLIMATE_L4_MY_011_016: Temporal Extension

	Arctic Ocean - Sea and Ice Surface Temperature REPROCESSED Product upgrade: Regular temporal extension with the period 1st September 2019 - 31st May 2021. Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SEAICE_ARC_PHY_L3M_NRT_011_017: No change

	Arctic Ocean and Sea-Ice Sigma-Nought Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

SEAICE_ANT_PHY_L3_MY_011_018 : New product

	Antarctic Ocean Sea Ice Drift REPROCESSED Product upgrade: This is a new product: Antarctic sea ice displacement during winter from medium resolution sensors since April 2003. Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

SEAICE_BAL_PHY_L4_MY_011_019: New product

Baltic Sea Ice Concentration, Extent and Classification, multi-year 1981-2021

Product upgrade:
A new product based on the Baltic ice chart product (SEAICE_BAL_SEAICE_L4_NRT_OBSERVATIONS_011_004).
Dataset name is: cmems_obs-si_bal_seaice-conc_my_1km. Contains a time series of Baltic Sea ice concentration, classification and ice extent in 1 km resolution, covering the period 1981-2021

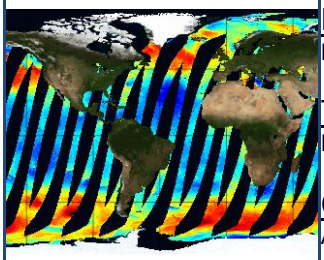
Need to update download scripts:
N/A

Transition period:
N/A

Complementary information:
The download script for product 011_004 can be used, and updated to include the new product (data set)

Wind

WIND_GLO_WIND_L3_NRT_OBSERVATIONS_012_002: Additional datasets



Global Ocean Daily Gridded Sea Surface Winds from Scatterometer

Product upgrade:
New upstream data (HY-2C HSCAT) at 25 and 50 km resolution is added to the product

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
Additional datasets:

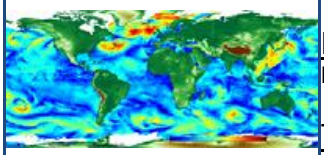
KNMI-GLO-WIND_L3-OBS_HY-2C_HSCAT_25_ASC_V2

KNMI-GLO-WIND_L3-OBS_HY-2C_HSCAT_25_DES_V2

KNMI-GLO-WIND_L3-OBS_HY-2C_HSCAT_50_ASC_V2

KNMI-GLO-WIND_L3-OBS_HY-2C_HSCAT 50_DES_V2

WIND_GLO_PHY_CLIMATE_L4_REP_012_003: Temporal extension



Global Ocean Wind L4 Reprocessed Monthly Mean Observations

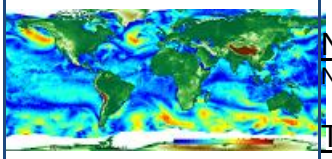
Product upgrade:
The product time series have been extended to include 2020

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

WIND_GLO_WIND_L4_NRT_OBSERVATIONS_012_004: No change



Global Ocean Wind L4 Near real Time 6 hourly Observations

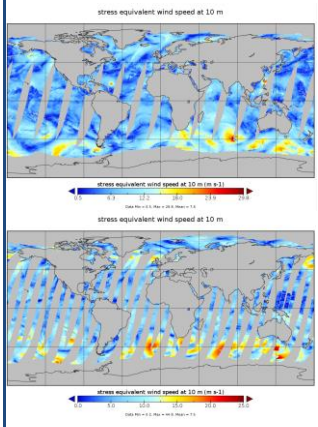
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

WIND_GLO_WIND_L3_REP_OBSERVATIONS_012_005: Additional datasets and automatic temporal extension



Global Ocean Daily Gridded Reprocessed L3 Sea Surface Winds from Scatterometer

Product upgrade:
Metop-B ASCAT REP datasets covering the period January 2019 to July 2021 will be added to the product and updated every three months to cover the period up to three months before present.

Need to update download scripts:
N/A

Transition period:
N/A

Complementary information:
Additional datasets:

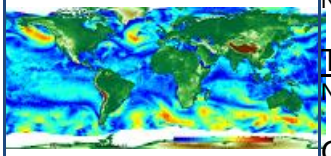
KNMI-GLO-WIND_L3-REP-OBS_METOP-B_ASCAT_12_ASC

KNMI-GLO-WIND_L3-REP-OBS_METOP-B_ASCAT_12_DES

KNMI-GLO-WIND_L3-REP-OBS_METOP-B_ASCAT_25_ASC

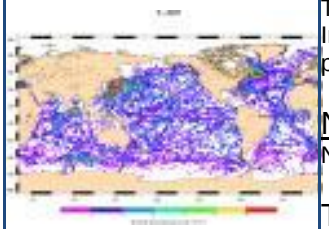
KNMI-GLO-WIND_L3-REP-OBS_METOP-B_ASCAT_25_DES

WIND_GLO_WIND_L4_REP_OBSERVATIONS_012_006: Temporal extension

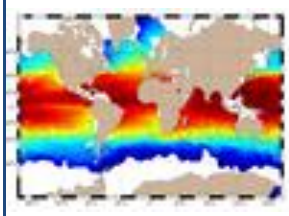
	Global Ocean Wind L4 Reprocessed 6 hourly Observations Product upgrade: The product time series have been extended to include 2020 Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

In Situ

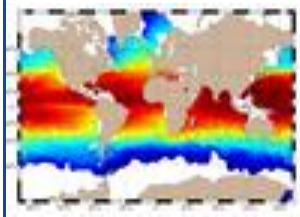
INSITU_GLO_TS_REP_OBSERVATIONS_013_001_b: Temporal extension & Full reprocessing

	Global Ocean- CORA- In-situ Observations Yearly Delivery in Delayed Mode Product upgrade: The product is fully reprocessed and extended, up to 12/2020. In addition, some quality improvement are included : detection of the salinity drift of the Argo profiles, detection of time series issues based on improved colocation with satellite data. Need to update existing download scripts: N/A Transition period: N/A Complementary

INSITU_GLO_TS_OA_NRT_OBSERVATIONS_013_002_a: No change

	Global Ocean- Real time in-situ observations objective analysis Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

INSITU_GLO_TS_OA_REP_OBSERVATIONS_013_002_b: Temporal extension & Full reprocessing



Global Ocean- Delayed Mode gridded CORA- In-situ Observations objective analysis in Delayed Mode

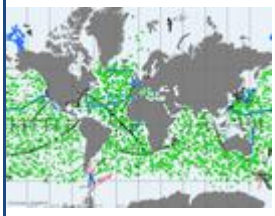
Product upgrade:
The product is fully reprocessed and extended, up to 12/2020.
In addition, some quality improvement are included: detection of the salinity drift of the Argo profiles, detection of time series issues based on improved colocation with satellite data.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

INSITU_GLO_NRT_OBSERVATIONS_013_030: No change



Global Ocean- In-Situ Near-Real-Time Observations

Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary

INSITU_ARC_NRT_OBSERVATIONS_013_031: No change

Arctic Ocean- In Situ Near Real Time Observations

Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary

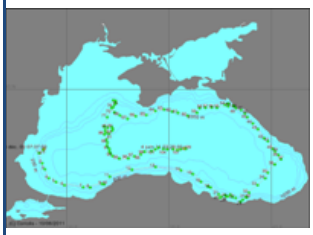
INSITU_BAL_NRT_OBSERVATIONS_013_032: No change

	Baltic Sea- In Situ Near Real Time Observations Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary

INSITU_IBI_NRT_OBSERVATIONS_013_033: No change

	Atlantic Iberian Biscay Irish Ocean- In-Situ Near Real Time Observations Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

INSITU_BS_NRT_OBSERVATIONS_013_034: No change

	Black Sea- In-Situ Near Real Time Observations Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

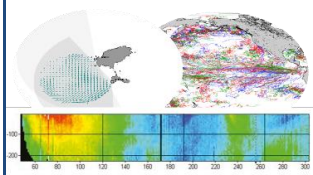
INSITU_MED_NRT_OBSERVATIONS_013_035: No change

	Mediterranean Sea- In-Situ Near Real Time Observations Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

INSITU_NWS_NRT_OBSERVATIONS_013_036: No change

	Atlantic- European North West Shelf- Ocean In-Situ Near Real Time Observations Product upgrade: No change Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

INSITU_GLO_UV_L2_REP_OBSERVATIONS_013_044: Temporal extension

	Global Ocean- Delayed Mode in-situ Observations of surface (drifters and HFR) and sub-surface (vessel-mounted ADCPs) water velocity Product upgrade: The drifter dataset is temporally extended up to 12/2020. The radar_total dataset is temporally extended up to 06/2021 and includes 4 new networks. The radar_radial dataset is temporally extended up to 06/2021 and includes 8 new radars. Need to update existing download scripts: N/A Transition period: N/A Complementary information: N/A

INSITU_GLO_WAVE_REP_OBSERVATIONS_013_045 : Temporal extension and change in spectra format

Global Ocean- Delayed Mode in-situ observations of waves

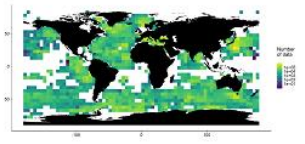
Product upgrade:
The product is extended up to 12/2020.
In addition, a change is introduced in the spectra format: The FREQUENCY, FREQUENCY_QC and FREQUENCY_BOUNDS variables are replaced by FREQ, FREQ_QC and FREQ_BOUNDS, to be more compliant with CF convention and to allow some NetCDF softwares and libraries (Panoply, Xarray, …) to be able to open those files.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

INSITU_GLO_BGC_REP_OBSERVATIONS_013_046: Temporal extension



Global Ocean- Delayed Mode in-situ observations of BCG

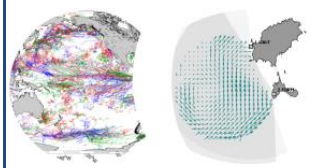
Product upgrade:
The product is extended up to 12/2020.
Thanks to the collaboration between CMEMS and the European project EMODnet-Chemistry, we will include a first batch of new Bio-geochemistry (BGC) data from this project. This update doesn't change the structure of the product, but will allow us to provide more BGC data, especially in coastal areas, that are otherwise quite sparse. More data from EMODnet-Chemistry will be added in the future.

Need to update download scripts:
No

Transition period:
N/A

Complementary information:
N/A

INSITU_GLO_UV_NRT_OBSERVATIONS_013_048: No change



Global Ocean- in-situ Near real time observations of ocean surface currents

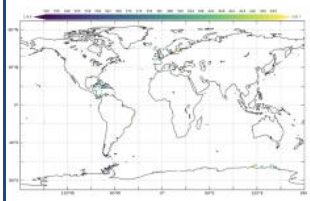
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

INSITU_GLO_CARBON_NRT_OBSERVATIONS_013_049: Product retired



Global Ocean- in-situ Near Real time Carbon observations

Product upgrade:

This product is retired from the catalogue.
Three years after its creation, we come to the conclusion that we do not succeed to gather and to manage enough carbon data in NRT to successfully make a real Copernicus Marine Service product.
Users are advised to use the product INSITU_GLO_CARBON_REP_OBSERVATIONS_013_050 which contains much more data (but which is not updated in near real-time)

Need to update download scripts:

Yes, in order to adapt to product INSITU_GLO_CARBON_REP_OBSERVATIONS_013_050.

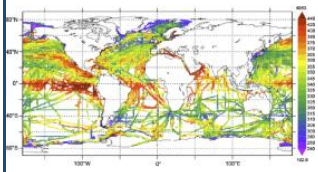
Transition period:

N/A

Complementary information:

N/A

INSITU_GLO_CARBON_REP_OBSERVATIONS_013_050: Temporal extension



Global Ocean- in-situ Reprocessed Carbon observations

Product upgrade:

The product is temporally extended, with the inclusion of new versions of Socat and Glodap :
For both Socat datasets, the end is 5 January 2021
For Glodap obs dataset, the end date is 22 January 2020.

Need to update existing download scripts:

N/A

Transition period:

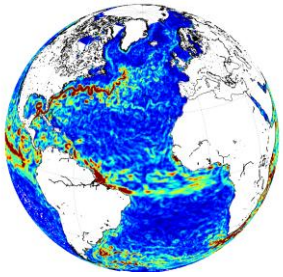
N/A

Complementary information:

N/A

Multi Observations

MULTIOBS_GLO_PHY_NRT_015_003: No change



Global Total Surface and 15m Current (COPERNICUS-GLOBCURRENT) from Altimetric Geostrophic Current and Modeled Ekman Current Processing

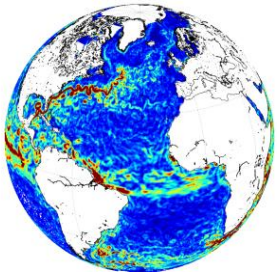
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

MULTIOBS_GLO_PHY_REP_015_004: Automatic Temporal extension



Global Total Surface and 15m Current from Altimetric Geostrophic Current and Modeled Ekman Current Reprocessing

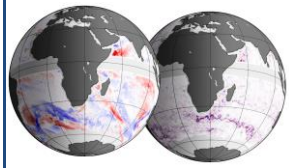
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

MULTIOBS_GLO_PHY_W_3D_REP_015_007: No change



Global Observed Ocean Physics 3D Quasi-Geostrophic Currents (OMEGA3D)

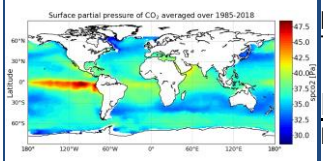
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

MULTIOBS_GLO_BIO_CARBON_SURFACE_REP_015_008: Full reprocessing



Global Ocean Surface Carbon

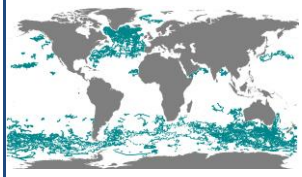
Product upgrade:
Copernicus Marine-FFNN surface carbon product full timeseries is update together with the temporal extension with the year 2020 thanks to the updated version of the SOCAT dataset. The upgrade also includes parts of high latitudes and coastal/shelf areas which were partly masked in previous releases.
The timeseries now covers the 1985-2020 period.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
Users are advised to re-upload the full time series

MULTIOBS_GLO_BIO_NUTRIENTS_PROFILES_REP_015_009: No change



Nutrient Profiles Vertical Distribution Reprocessing

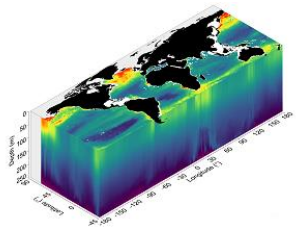
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

MULTIOBS_GLO_BIO_BGC_3D_REP_015_010: Full reprocessing



Global Observed Ocean 3D Particulate Organic Carbon and Chlorophyll-a concentration Reprocessing

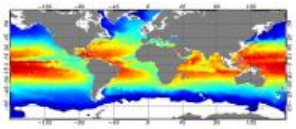
Product upgrade:
3D Global Ocean Chlorophyll-a concentration is now reconstructed using a version of the neural network method SOCA (Satellite Ocean-Color merged with Argo) specifically adapted for Chla.
b_{bp} and POC variables are unchanged.
This product has also switched to “automatic temporal extension” mode with temporal extension expected every 6-month as soon as upstream data are available.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
Users are advised to re-upload the full time series

MULTIOBS_GLO_PHY_TSUV_3D_MYNRT_015_012: Automatic Temporal extension



Multi Observation Global Ocean 3D Temperature Salinity Heights Geostrophic Currents and MLD

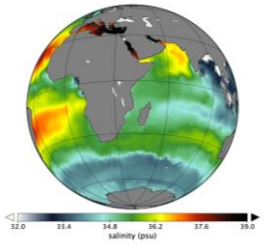
Product upgrade:
This product has switched to “automatic temporal extension” mode with temporal extension expected every 6-month as soon as upstream data are available.

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

MULTIOBS_GLO_PHY_S_SURFACE_MYNRT_015_013: Automatic Temporal extension



Multi Observation Global Ocean Sea Surface Salinity and Sea Surface Density

Product upgrade:
This product has switched to “automatic temporal extension” mode with temporal extension expected every 6-month as soon as upstream data are available.

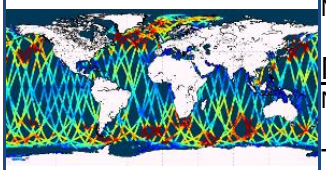
Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

Wave Observations

WAVE_GLO_WAV_L3_SWH_NRT_OBSERVATIONS_014_001: No change



GLOBAL OCEAN ALONG-TRACK L3 SIGNIFICANT WAVE HEIGHT FROM ALTIMETRY NRT

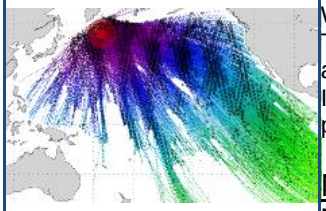
Product upgrade:
No change

Need to update existing download scripts:
N/A

Transition period:
N/A

Complementary information:
N/A

WAVE_GLO_WAV_L3_SPC_NRT_OBSERVATIONS_014_002: New dataset



GLOBAL OCEAN L3 SPECTRAL PARAMETERS FROM NRT SATELLITE MEASUREMENTS

Product upgrade:
Integration of CFOSAT SWIM off-nadir dataset in NRT L3 SPC product:

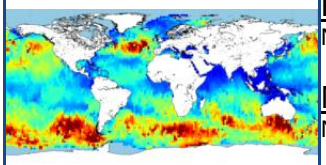
The L2P swell measurements from CFOSAT/SWIM instrument are used in the global swell analysis to improve the observation density, including in the Northern Atlantic poorly imaged by Sentinel-1 WV products.
The CFOSAT measurements are analyzed considering both potential swell propagation direction and the most likely is kept with respect to other measurements from Sentinel-1A and –1B.
Individual swell fields are identified using jointly S1A, S1B and CFOSAT measurements but L3 products are available for each separate satellite.

Need to update download scripts:
N/A

Transition period:
N/A

Complementary information:
Associated dataset:
cmems_obs-wave_glo_phy-spc_nrt_cfo-l3_PT10S

WAVE_GLO_WAV_L4_SWH_NRT_OBSERVATIONS_014_003: No change



GLOBAL OCEAN L4 SIGNIFICANT WAVE HEIGHT FROM NRT SATELLITE MEASUREMENTS

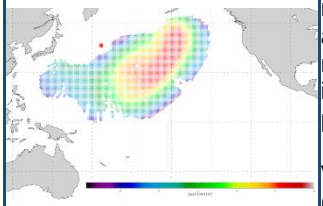
Product upgrade:
No change

Need to update existing download scripts:
N/A

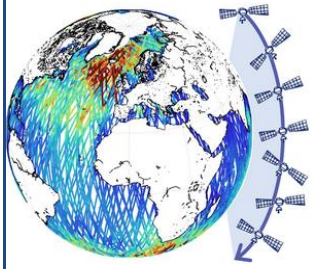
Transition period:
N/A

	Complementary information: N/A

WAVE_GLO_PHY_SPC_L4_NRT_014_004: New product

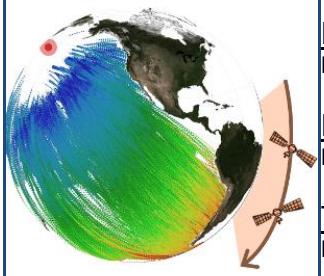
	GLOBAL OCEAN L4 SPECTRAL PARAMETERS FROM NRT SATELLITE MEASUREMENTS Product upgrade: New product Multi-mission, global, satellite-based spectral integral parameters on a regularly space-time grid. Only valid data are used, based on the L3 corresponding product. Included wave parameters are partition significant wave height, partition peak period and partition peak or principal direction. Those parameters are propagated in space and time at a 3-hour timestep and on a regular space grid, providing information of the swell propagation characteristics, from source to land. One file gathers the most energetic swell fields at a global level. This product is processed by the WAVE-TAC multi-mission SAR data processing system to serve in near-real time the main operational oceanography and climate forecasting centers in Europe and worldwide. It processes data from the following SAR missions: Sentinel-1A and Sentinel-1B. All the spectral parameter measurements are optimally interpolated using swell observations belonging to the same swell field, accounting for their spatial proximity and data quality.', Variables: The SAR data processing system produces wave integral parameters by partition (partition significant wave height, partition peak period and partition peak or principal direction) and the associated standard deviation and number of propagated observations. Need to update download scripts: N/A Transition period: N/A Complementary information: Associated datasets: cmems_obs-wave_glo_phy-spc_nrt_multi-l4-1deg_PT3H

WAVE_GLO_PHY_SWH_L3_MY_014_005 : New product

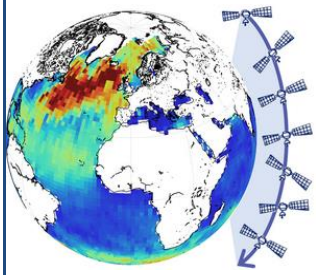
	GLOBAL OCEAN L3 SIGNIFICANT WAVE HEIGHT FROM REPROCESSED SATELLITE MEASUREMENTS Product upgrade: New multi-year along-track Level-3 significant wave height product derived from altimeter measurements. This product is based on the ESA Climate Change Initiative (CCI) Sea State Level 2P product (version 2) and on the CFOSAT Level-2P reprocessing (CNES/CLS). ESA CCI Sea State data are formatted by the WAVE-TAC to be homogeneous with the CMEMS Level 3 Near-real-time product. It is based on the reprocessing of GDR data from the following altimeter missions: Jason-1, Jason-2, Envisat, Cryosat-2, SARAL/AltiKa and Jason-3. CFOSAT Multi-Year dataset is based on the reprocessing of CFOSAT Level-2P products (CNES/CLS), inter-calibrated on Jason-3 reference mission issued from the CCI Sea State dataset. Only valid data are included. All the missions are homogenized with respect to a reference mission and in-situ buoy measurements. Finally, an along-track filter is applied to reduce the measurement noise. Please note that the CMEMS Near-Real-Time product and the Multi-year product derived from ESA CCI differ in the retracking method and in the absolute calibration on in-situ. There may be biases between the two products, and we do not recommend merging timeseries.

	One file containing valid SWH is produced for each mission and for a 3-hour time window. It contains the filtered SWH (VAVH) and the unfiltered SWH (VAVH_UNFILTERED). Need to update download scripts: N/A Transition period: N/A Complementary information: Associated datasets: cci_obs-wave_glo_phy-swh_my_j1-l3_PT1S cci_obs-wave_glo_phy-swh_my_j2-l3_PT1S cci_obs-wave_glo_phy-swh_my_en-l3_PT1S cci_obs-wave_glo_phy-swh_my_c2-l3_PT1S cci_obs-wave_glo_phy-swh_my_al-l3_PT1S cci_obs-wave_glo_phy-swh_my_j3-l3_PT1S cmems_obs-wave_glo_phy-swh_my_cfo-l3_PT1S

WAVE_GLO_PHY_SPC_L3_MY_014_006 : No change

	GLOBAL OCEAN L3 SPECTRAL PARAMETERS FROM REPROCESSED SATELLITE MEASUREMENTS Product upgrade: N/A Need to update download scripts: N/A Transition period: N/A Complementary information: N/A

WAVE_GLO_PHY_SWH_L4_MY_014_007 : New product



GLOBAL OCEAN L4 SIGNIFICANT WAVE HEIGHT FROM REPROCESSED SATELLITE MEASUREMENTS

Product upgrade:

New multi-year gridded multi-mission merged satellite significant wave height product derived from altimeter measurements.

Only valid data are included. This Multi-Year product is processed by the WAVE-TAC multi-mission altimeter data processing system and is based on CMEMS Multi-Year level-3 SWH datasets (see the product WAVE_GLO_PHY_SWH_L3_MY_014_005).

It merges along-track SWH data from the following missions: Jason-1, Jason-2, Envisat, Cryosat-2, SARAL/AltiKa, Jason-3 and CFOSAT. The resulting gridded product has a 2° horizontal resolution and is produced daily.

Different SWH fields are produced: VAVH_DAILY fields are daily statistics computed from all available level 3 along-track measurements from 00 UTC until 23:59 UTC ; VAVH_INST field provides an estimate of the instantaneous wave field at 12:00UTC (noon), using all available Level 3 along-track measurements and accounting for their spatial and temporal proximity.

Need to update download scripts:

N/A

Transition period:

N/A

Complementary information:

Associated dataset:
dataset-wav-l4-swh-rep-global