Pole Tide models comparison : [Desai 2015] versus [Wahr 1985]

Study variable	**DESAI15**
Reference variable	**WAHR**
Missions	Envisat *(en)*, Jason-1 *(j1)*
Period	[19007, 23807]

Creation date : 2015/11/16

Contents

A000

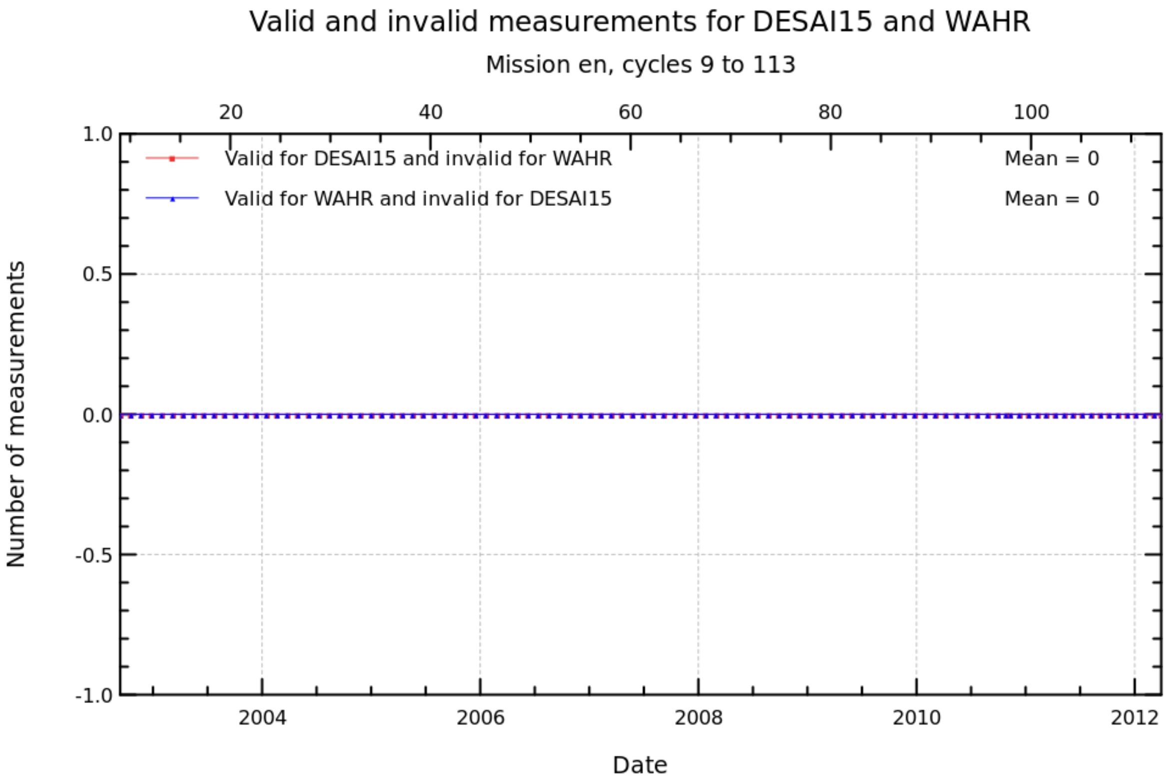
Diagnostic A000 (mission en)

Diagnostic type : Mono-mission analyses

Name : Differences of number of valid and invalid measurements between both altimetric components

Input data : Along track altimetric components

Description : The number of valid measurements for one parameter and invalid for the other, and vice-versa.



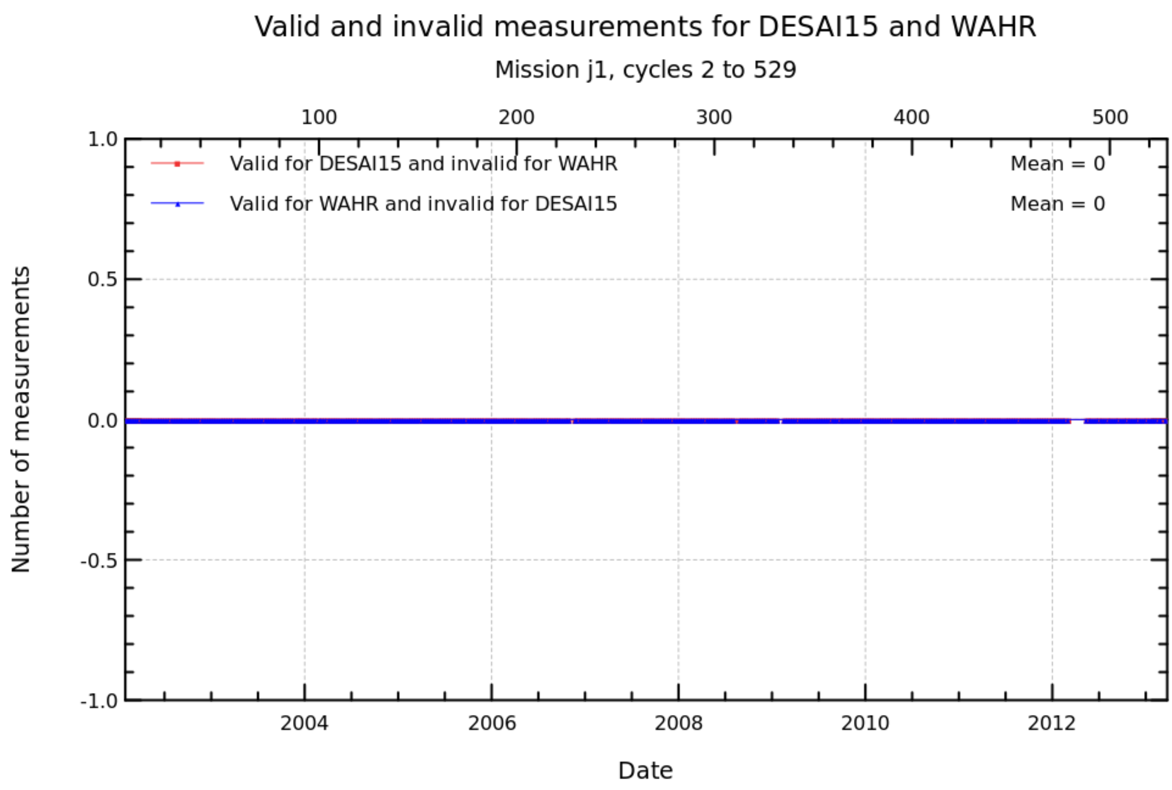
Diagnostic type : Mono-mission analyses

Diagnostic A000 (mission j1)

Name : Differences of number of valid and invalid measurements between both altimetric components

Input data : Along track altimetric components

Description : The number of valid measurements for one parameter and invalid for the other, and vice-versa.



A001

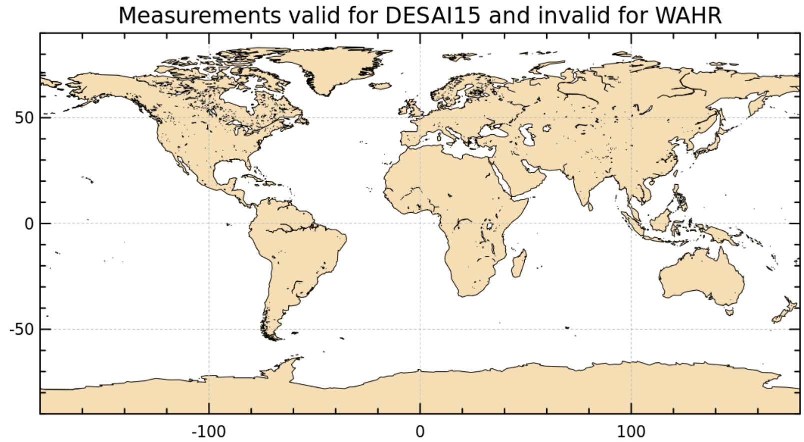
Diagnostic A001 (mission en)

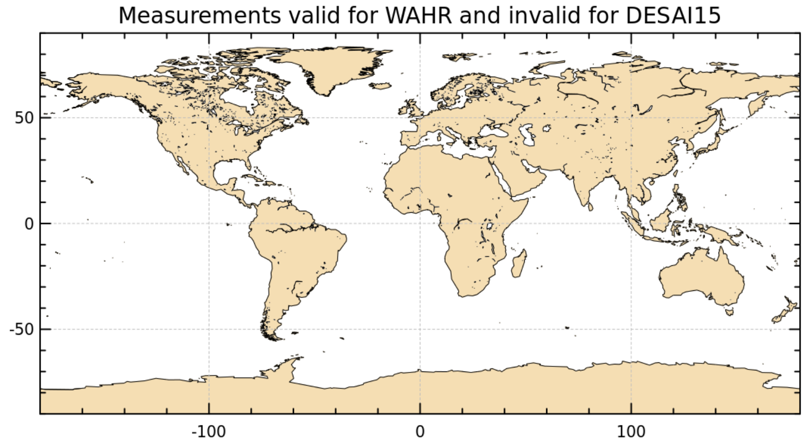
Diagnostic type : Mono-mission analyses

Name : Maps of differences of valid and invalid measurements between both altimetric components

Input data : Along track altimetric components

Description : The first map represents the valid measurements for one parameter and invalid for the other, and vice-versa for the second map.





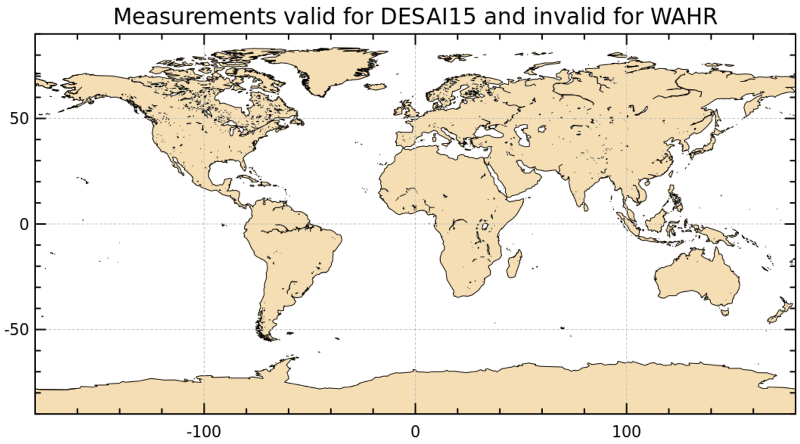
Diagnostic type : Mono-mission analyses

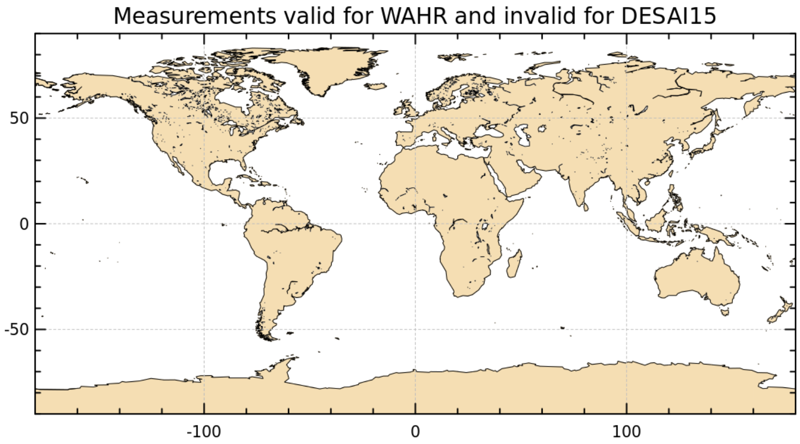
Diagnostic A001 (mission j1)

Name : Maps of differences of valid and invalid measurements between both altimetric components

Input data : Along track altimetric components

Description : The first map represents the valid measurements for one parameter and invalid for the other, and vice-versa for the second map.





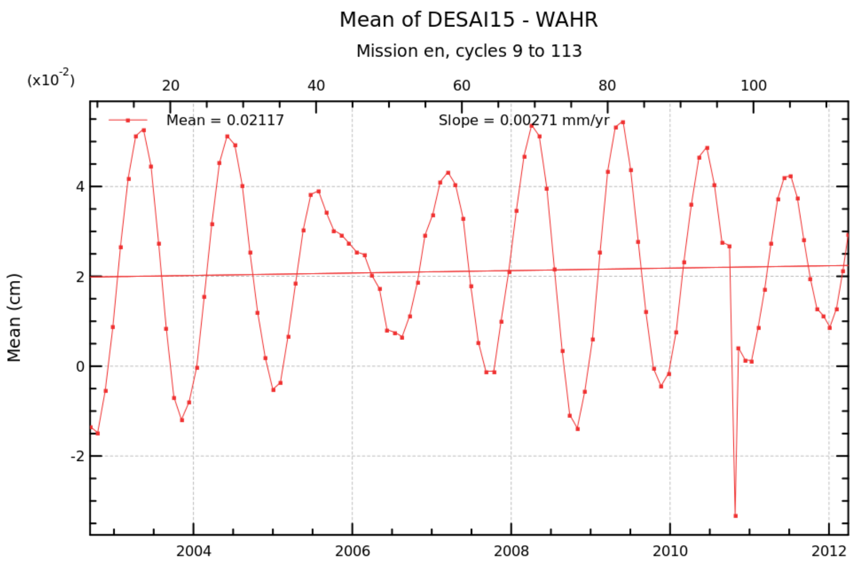
Diagnostic type : Mono-mission analyses

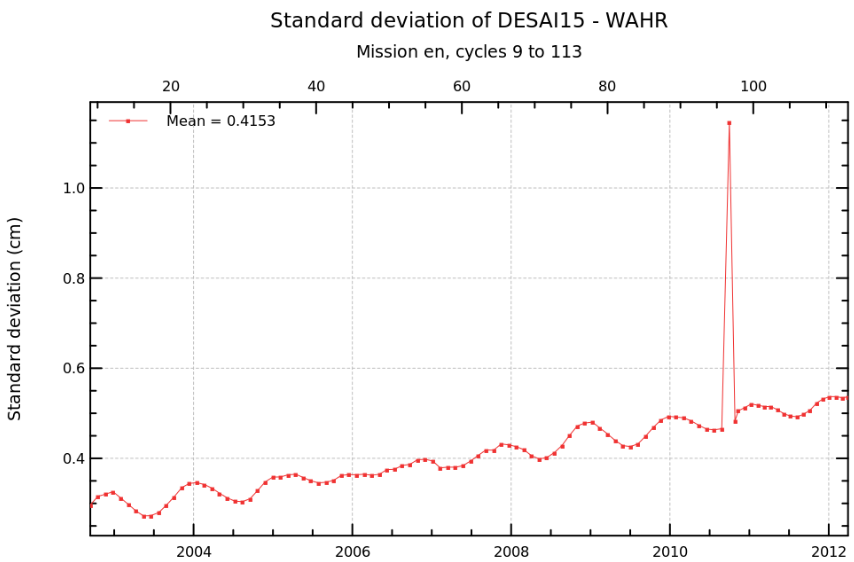
Diagnostic A002 (mission en)

Name : Temporal evolution of differences between both altimetric components

Input data : Along track altimetric components

Description : The temporal evolution of global statistics (mean, variance, slope) of differences between 2 different standards of a same altimetric component (sea surface height correction, altimeter parameter, orbit) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) . These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements.





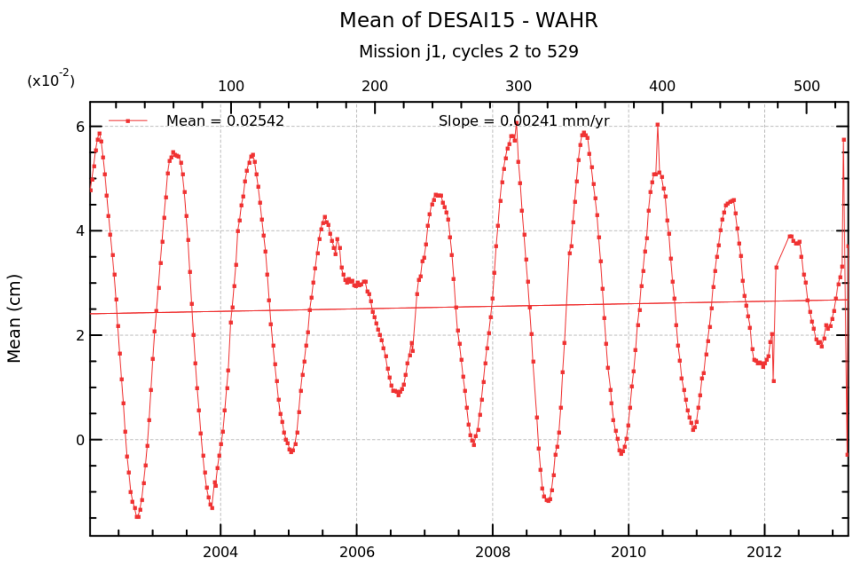
Diagnostic type : Mono-mission analyses

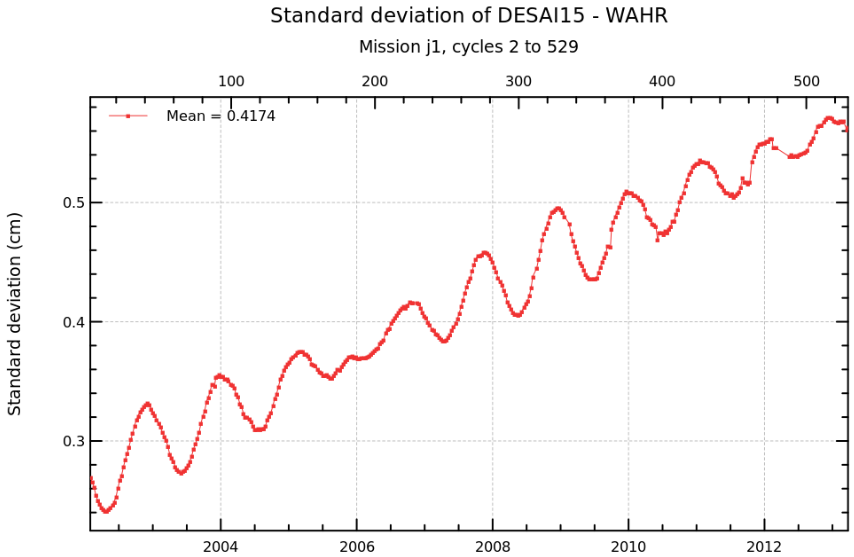
Diagnostic A002 (mission j1)

Name : Temporal evolution of differences between both altimetric components

Input data : Along track altimetric components

Description : The temporal evolution of global statistics (mean, variance, slope) of differences between 2 different standards of a same altimetric component (sea surface height correction, altimeter parameter, orbit) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) . These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements.





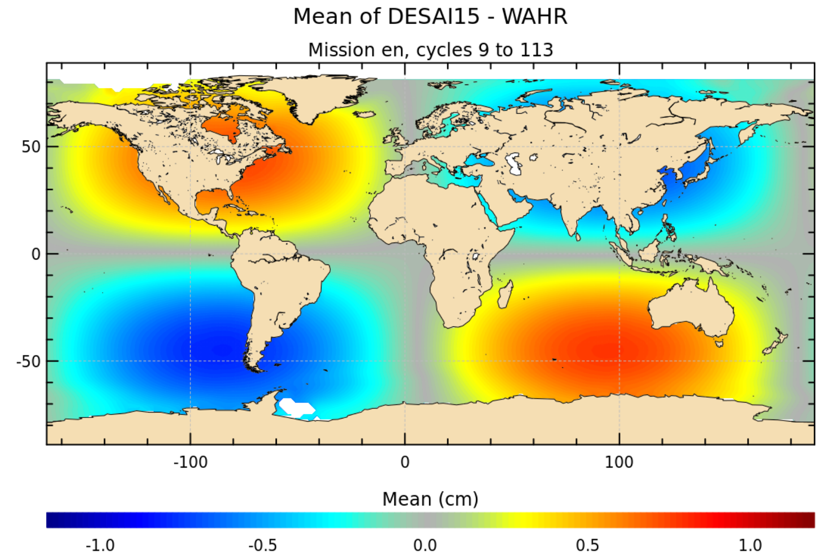
Diagnostic type : Mono-mission analyses

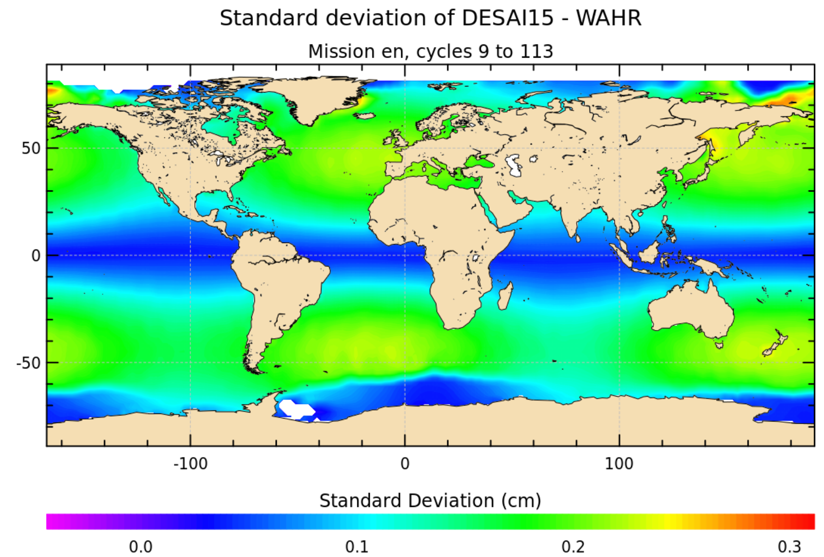
Diagnostic A003 (mission en)

Name : Map of differences between both altimetric components over all the period

Input data : Along track altimetric components

Description : The map of global statistics (mean, standard deviation) of differences between 2 different standards of a same altimetric component (sea surface height correction, altimeter parameter, orbit) are calculated over a given period which is the longer as possible to have obtain reliable statically results. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements.



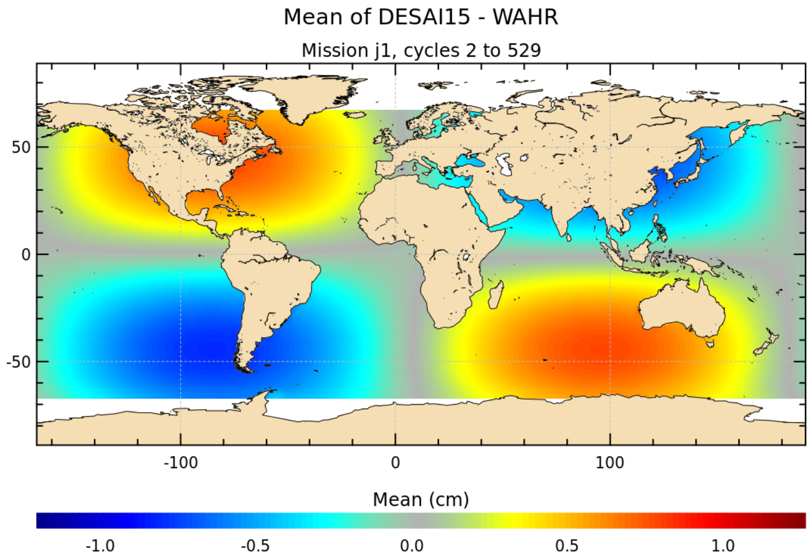


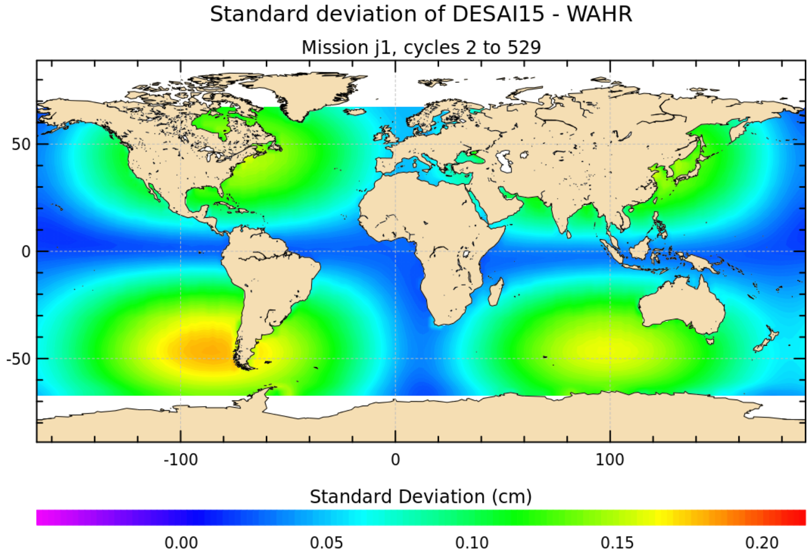
Diagnostic A003 (mission j1)

Name : Map of differences between both altimetric components over all the period

Input data : Along track altimetric components

Description : The map of global statistics (mean, standard deviation) of differences between 2 different standards of a same altimetric component (sea surface height correction, altimeter parameter, orbit) are calculated over a given period which is the longer as possible to have obtain reliable statically results. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements.





Diagnostic type : Mono-mission analyses

A004

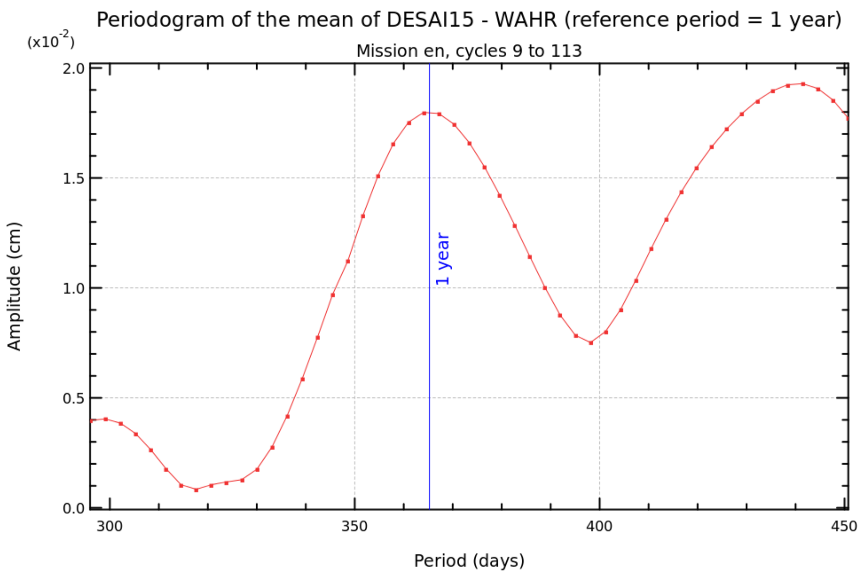
Diagnostic type : Mono-mission analyses

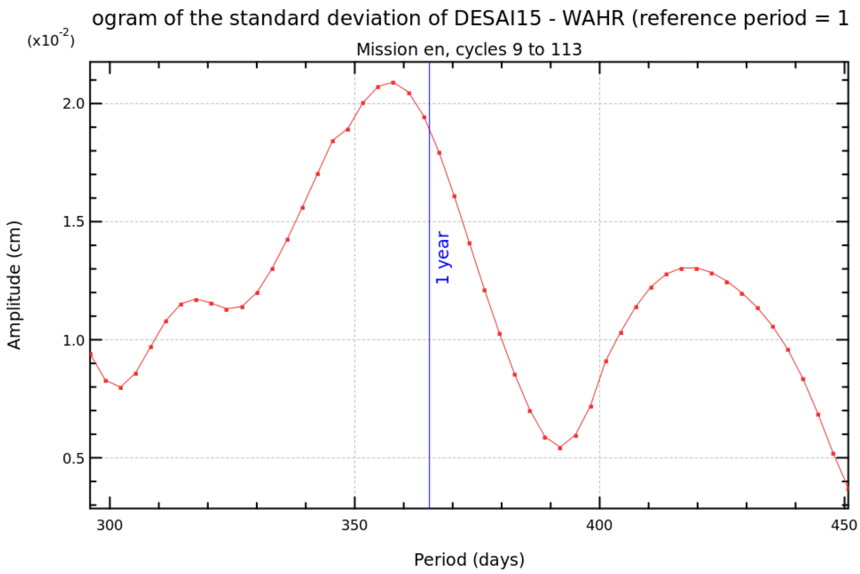
Diagnostic A004_a (mission en)

Name : Periodogram derived from temporal evolution of altimetric component differences

Input data : Along track altimetric components

Description : The periodogram derived from temporal and global altimetric component differences is calculated from cycle by cycle monitoring of altimetric component differences (derived from diagnostic A001). It is calculated from the mean or the variance differences. The Periodogram can be calculated for all the periods, but it can be focused on a dedicated period.



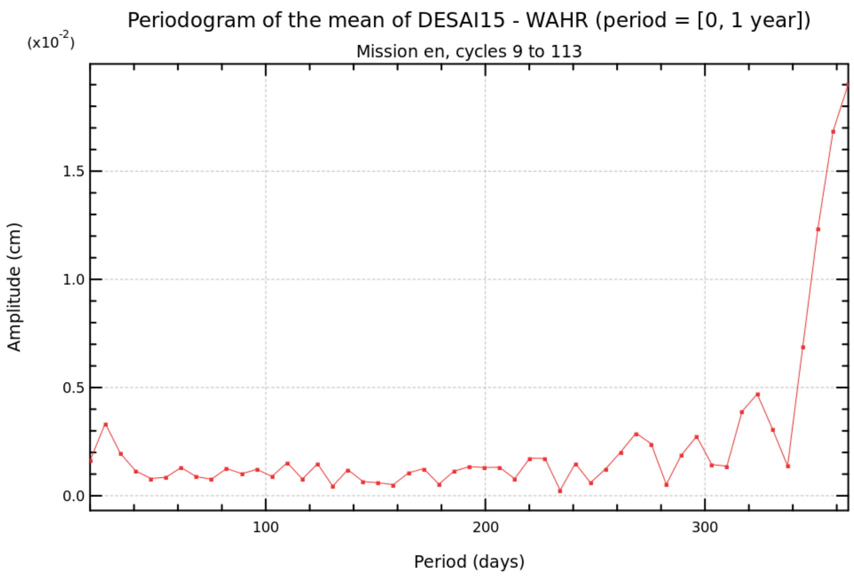


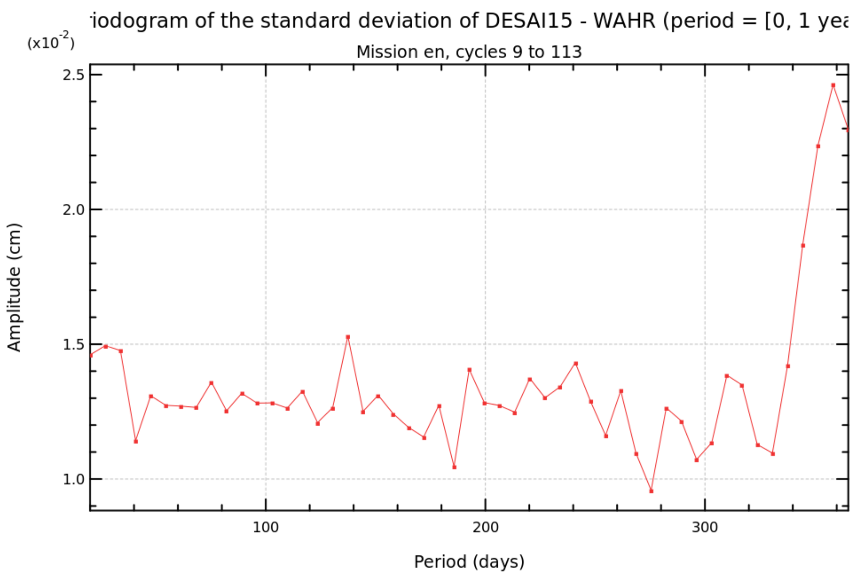
Diagnostic A004_b (mission en)

Name : Periodogram derived from temporal evolution of altimetric component differences

Input data : Along track altimetric components

Description : The periodogram derived from temporal and global altimetric component differences is calculated from cycle by cycle monitoring of altimetric component differences (derived from diagnostic A001). It is calculated from the mean or the variance differences. The Periodogram can be calculated for all the periods, but it can be focused on a dedicated period.





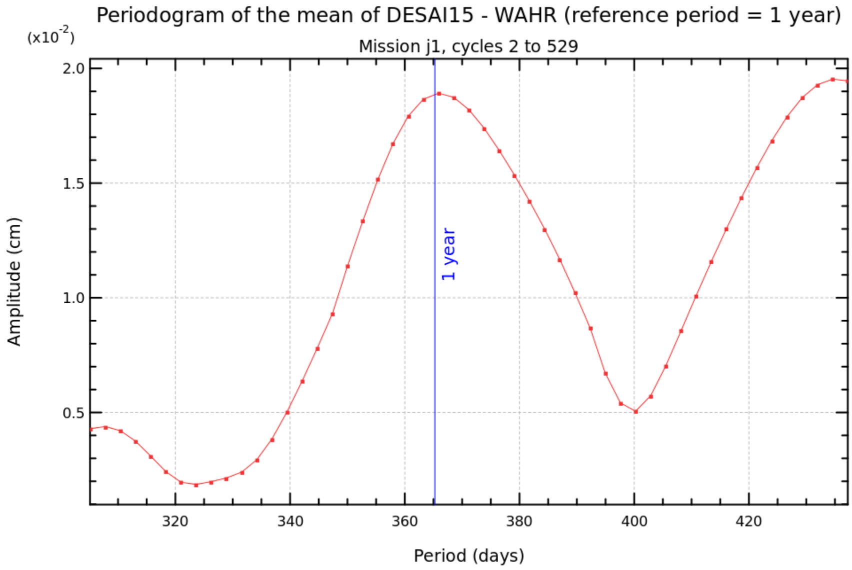
Diagnostic type : Mono-mission analyses

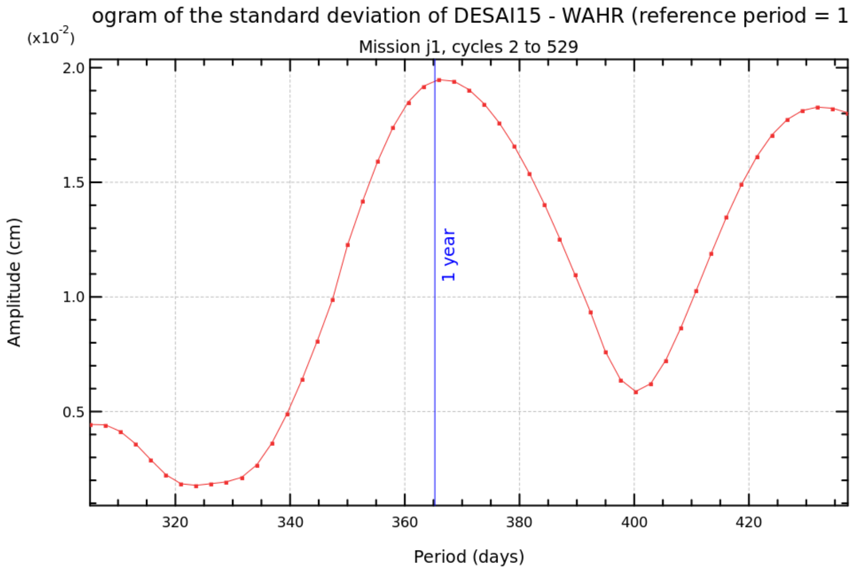
Diagnostic A004_a (mission j1)

Name : Periodogram derived from temporal evolution of altimetric component differences

Input data : Along track altimetric components

Description : The periodogram derived from temporal and global altimetric component differences is calculated from cycle by cycle monitoring of altimetric component differences (derived from diagnostic A001). It is calculated from the mean or the variance differences. The Periodogram can be calculated for all the periods, but it can be focused on a dedicated period.





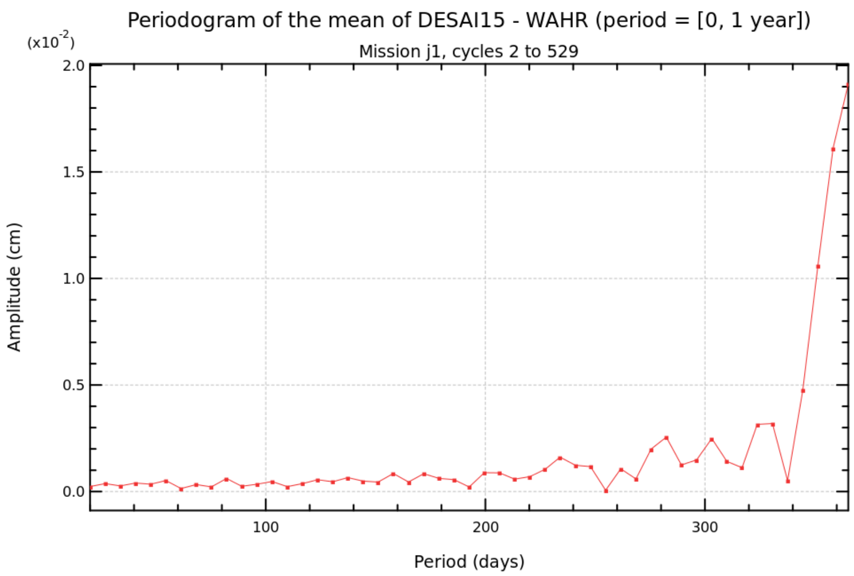
Diagnostic type : Mono-mission analyses

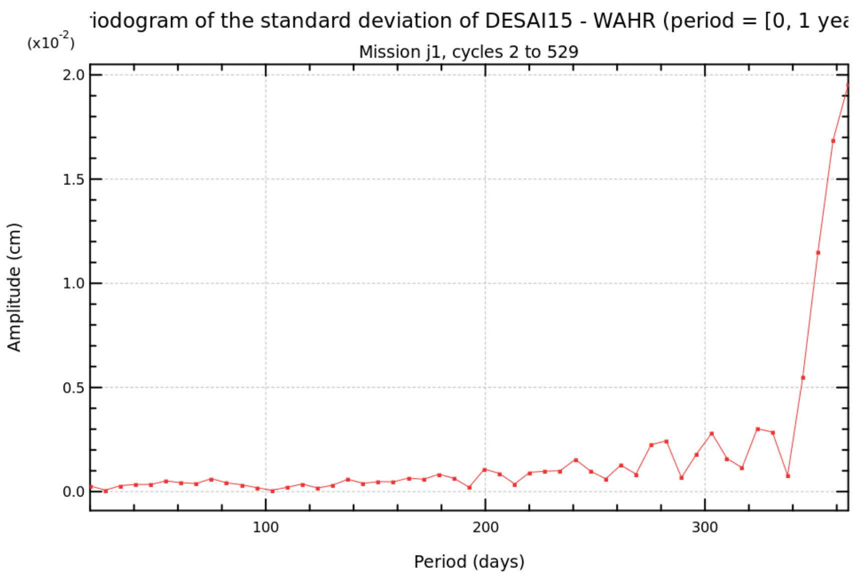
Diagnostic A004_b (mission j1)

Name : Periodogram derived from temporal evolution of altimetric component differences

Input data : Along track altimetric components

Description : The periodogram derived from temporal and global altimetric component differences is calculated from cycle by cycle monitoring of altimetric component differences (derived from diagnostic A001). It is calculated from the mean or the variance differences. The Periodogram can be calculated for all the periods, but it can be focused on a dedicated period.





Diagnostic type : Mono-mission analyses

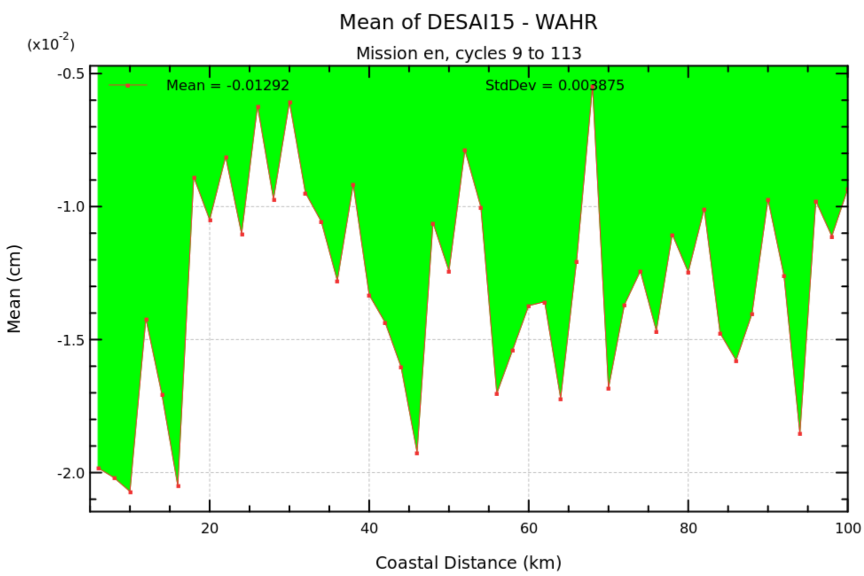
Diagnostic type : Mono-mission analyses

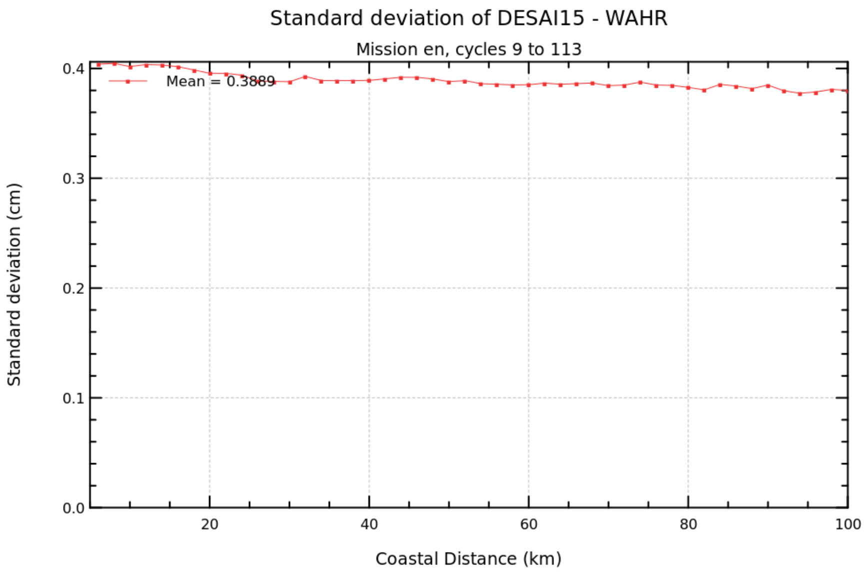
Diagnostic A005 (mission en)

Name : Altimetric component differences versus coastal distances, latitude and longitude

Input data : Along track altimetric components

Description : Mean and standard deviation of the differences between 2 different standards of a same altimetric component (sea surface height correction, altimeter parameter, orbit) are computed and plotted in function of coastal distances between 0 and 100 km, in function of latitudes and in fonction of longitudes.



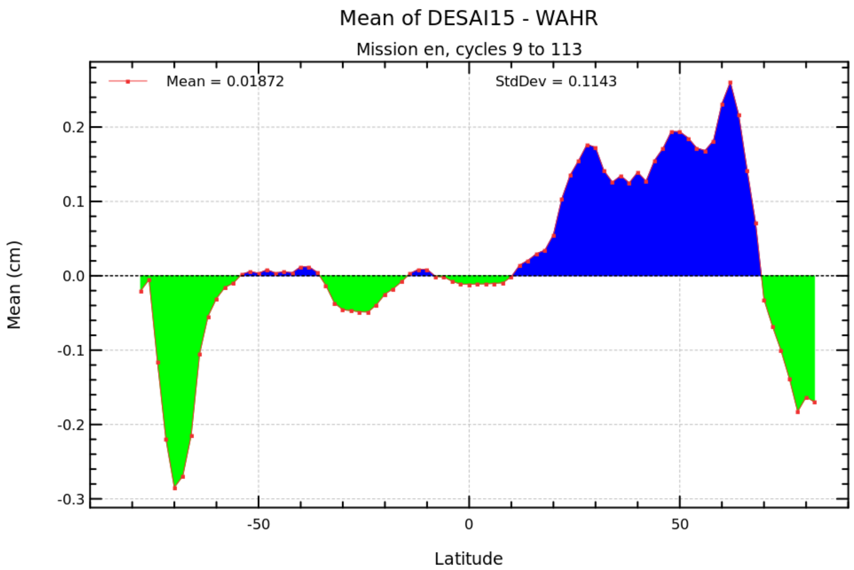


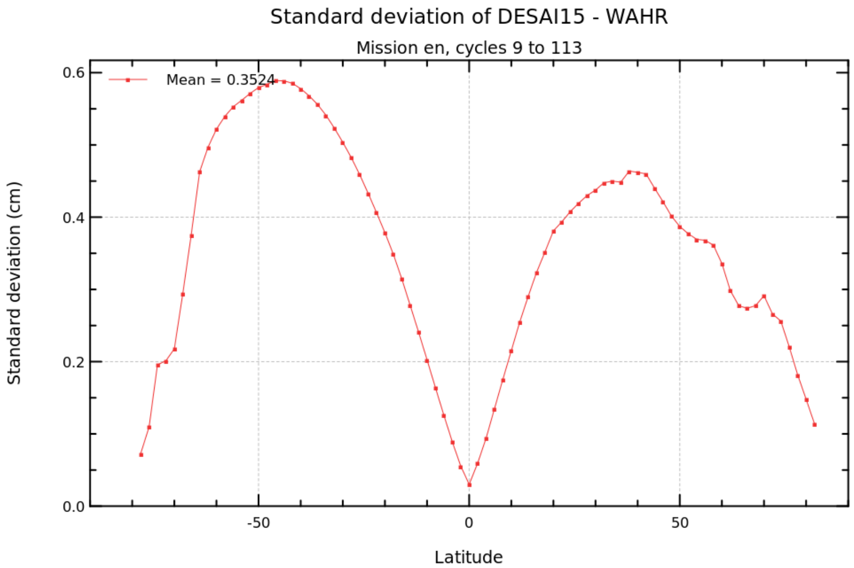
Diagnostic A005 (mission en)

Name : Altimetric component differences versus coastal distances, latitude and longitude

Input data : Along track altimetric components

Description : Mean and standard deviation of the differences between 2 different standards of a same altimetric component (sea surface height correction, altimeter parameter, orbit) are computed and plotted in function of coastal distances between 0 and 100 km, in function of latitudes and in fonction of longitudes.





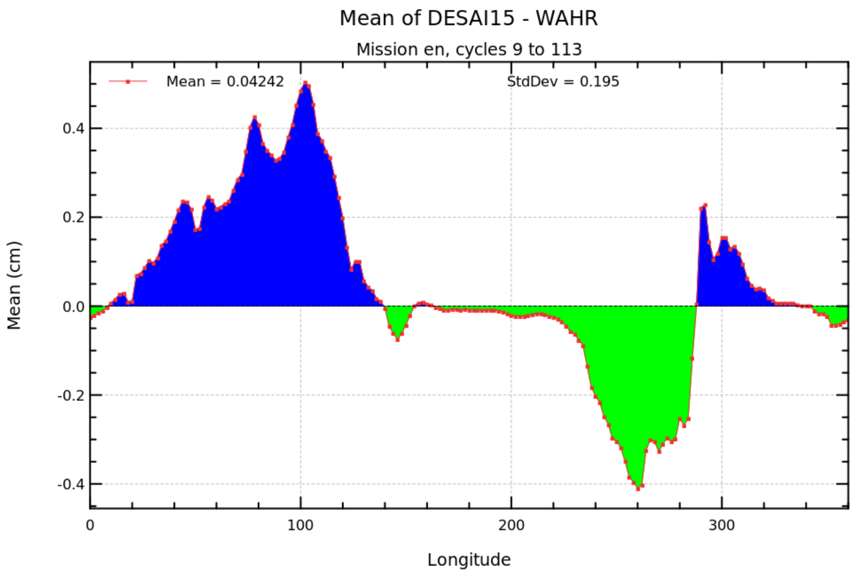
Diagnostic type : Mono-mission analyses

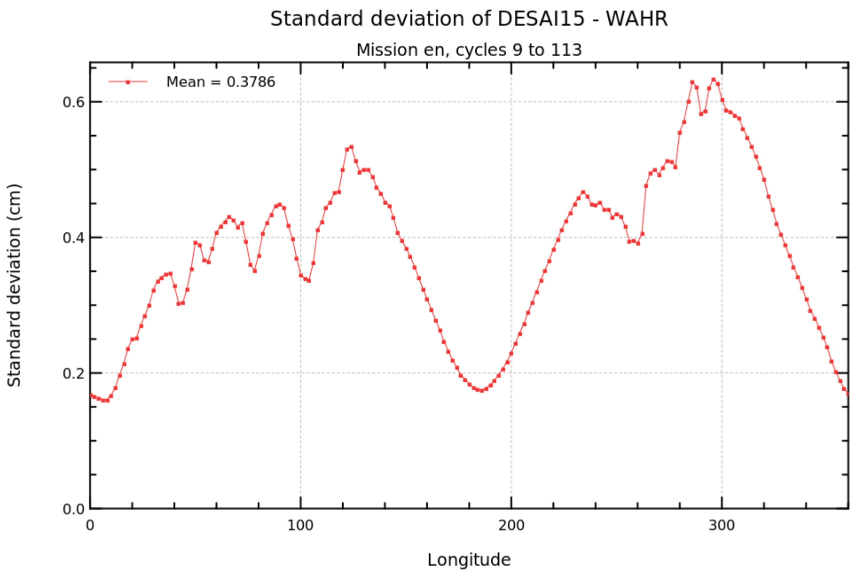
Diagnostic A005 (mission en)

Name : Altimetric component differences versus coastal distances, latitude and longitude

Input data : Along track altimetric components

Description : Mean and standard deviation of the differences between 2 different standards of a same altimetric component (sea surface height correction, altimeter parameter, orbit) are computed and plotted in function of coastal distances between 0 and 100 km, in function of latitudes and in fonction of longitudes.





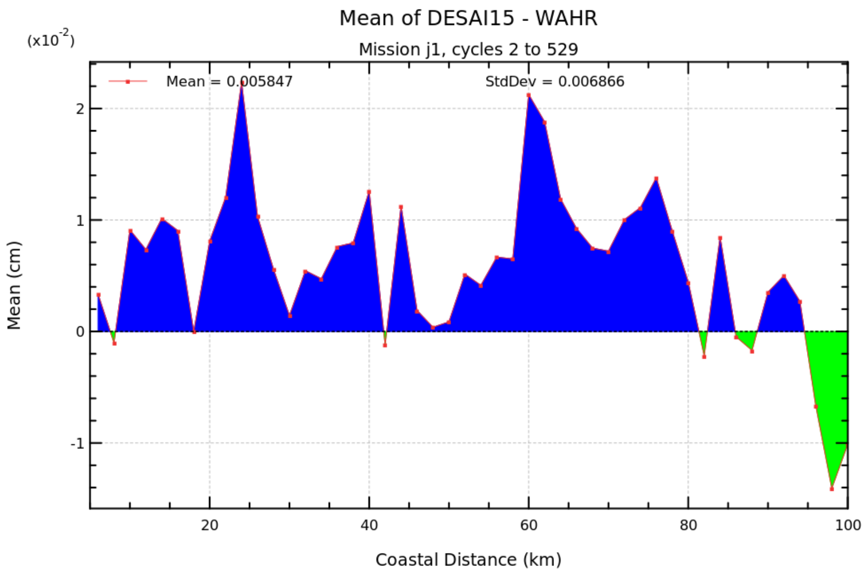
Diagnostic type : Mono-mission analyses

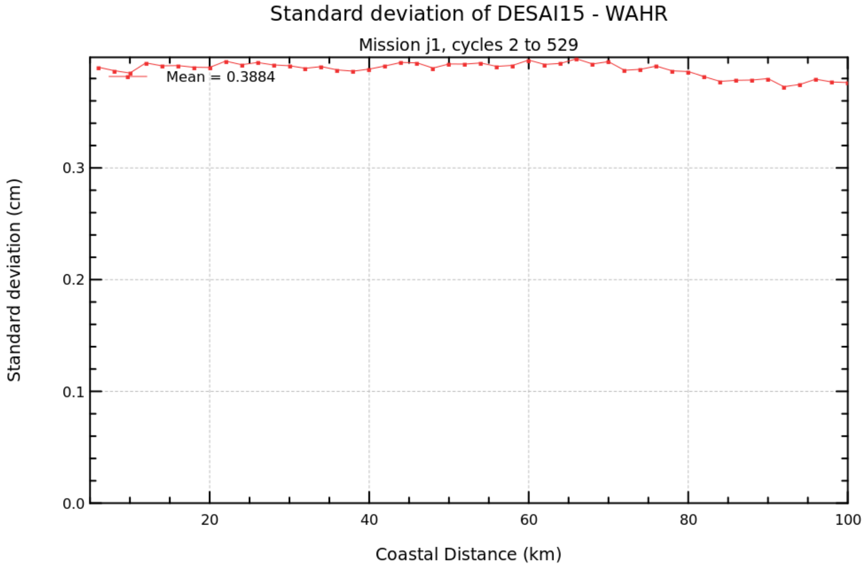
Diagnostic A005 (mission j1)

Name : Altimetric component differences versus coastal distances, latitude and longitude

Input data : Along track altimetric components

Description : Mean and standard deviation of the differences between 2 different standards of a same altimetric component (sea surface height correction, altimeter parameter, orbit) are computed and plotted in function of coastal distances between 0 and 100 km, in function of latitudes and in fonction of longitudes.





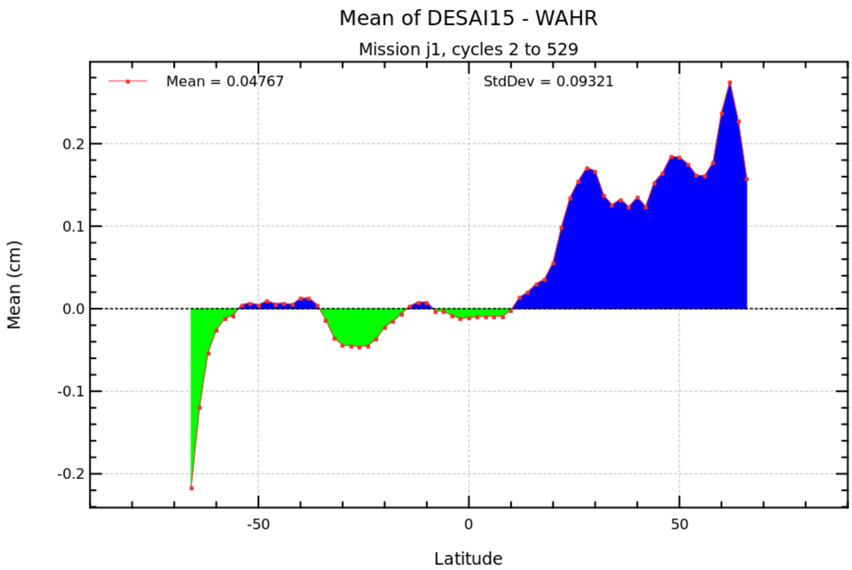
Diagnostic type : Mono-mission analyses

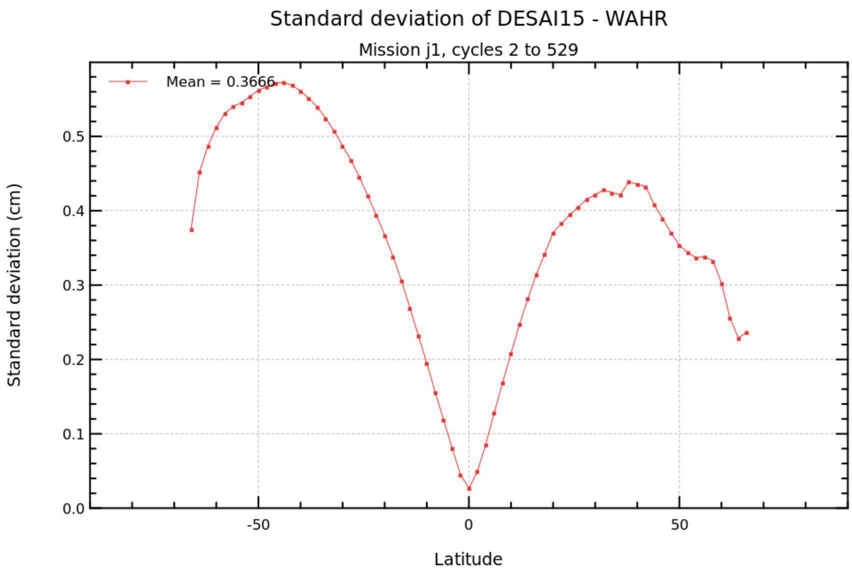
Diagnostic A005 (mission j1)

Name : Altimetric component differences versus coastal distances, latitude and longitude

Input data : Along track altimetric components

Description : Mean and standard deviation of the differences between 2 different standards of a same altimetric component (sea surface height correction, altimeter parameter, orbit) are computed and plotted in function of coastal distances between 0 and 100 km, in function of latitudes and in fonction of longitudes.





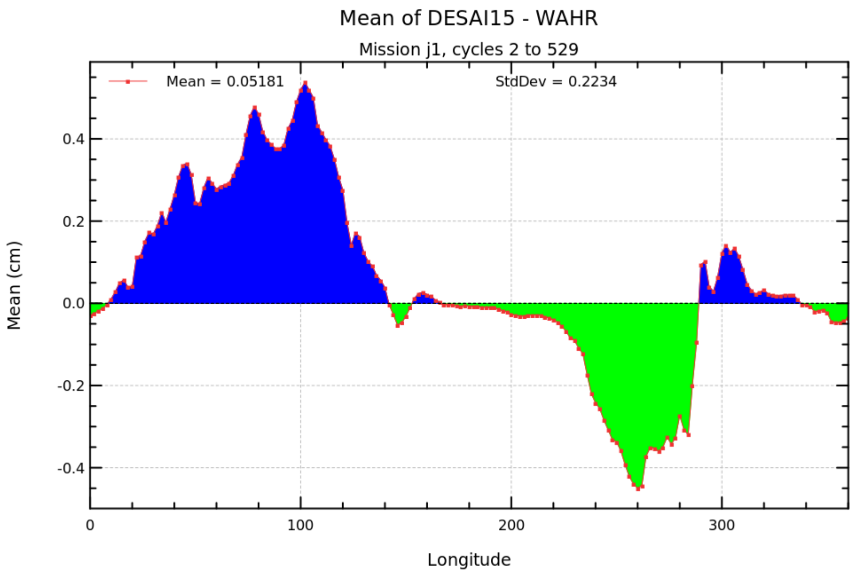
Diagnostic type : Mono-mission analyses

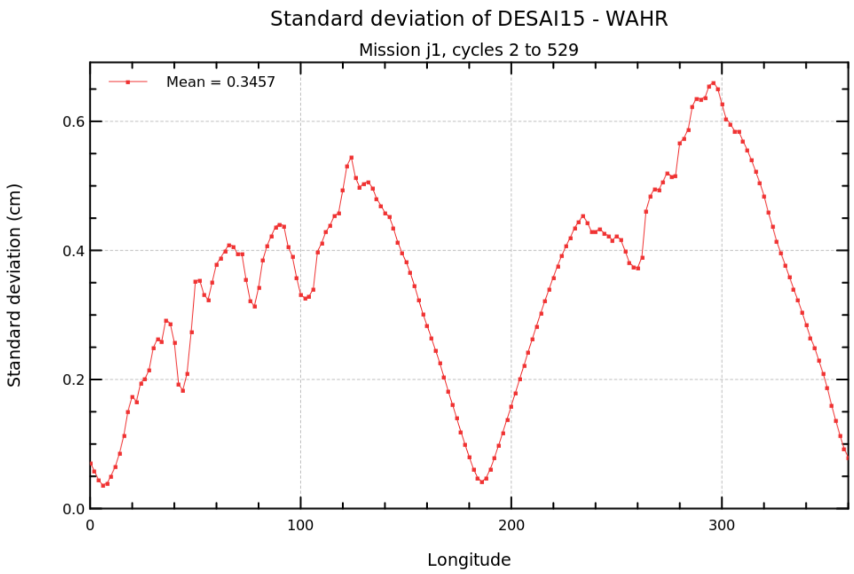
Diagnostic A005 (mission j1)

Name : Altimetric component differences versus coastal distances, latitude and longitude

Input data : Along track altimetric components

Description : Mean and standard deviation of the differences between 2 different standards of a same altimetric component (sea surface height correction, altimeter parameter, orbit) are computed and plotted in function of coastal distances between 0 and 100 km, in function of latitudes and in fonction of longitudes.





A006

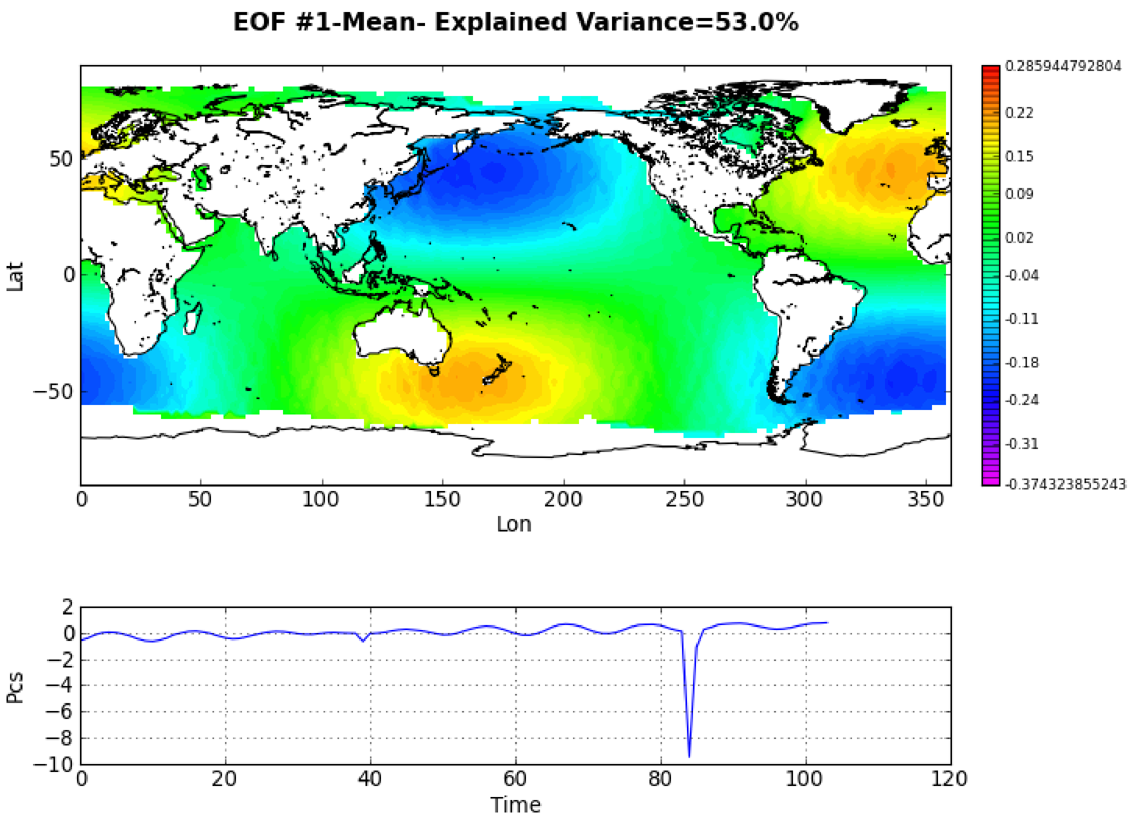
Diagnostic type : Mono-mission analyses

Diagnostic A006_a (mission en)

Name : EOF Decomposition of Differences

Input data : Along track altimetric components

Description : The differences between map of SLA (mean) are calculated from the mean SLA maps (per cycle) using successively both altimetric components in the SLA calculation. The maps of the differences are analyzed through an Empirical Orthogonal Functions (EOF) decomposition.



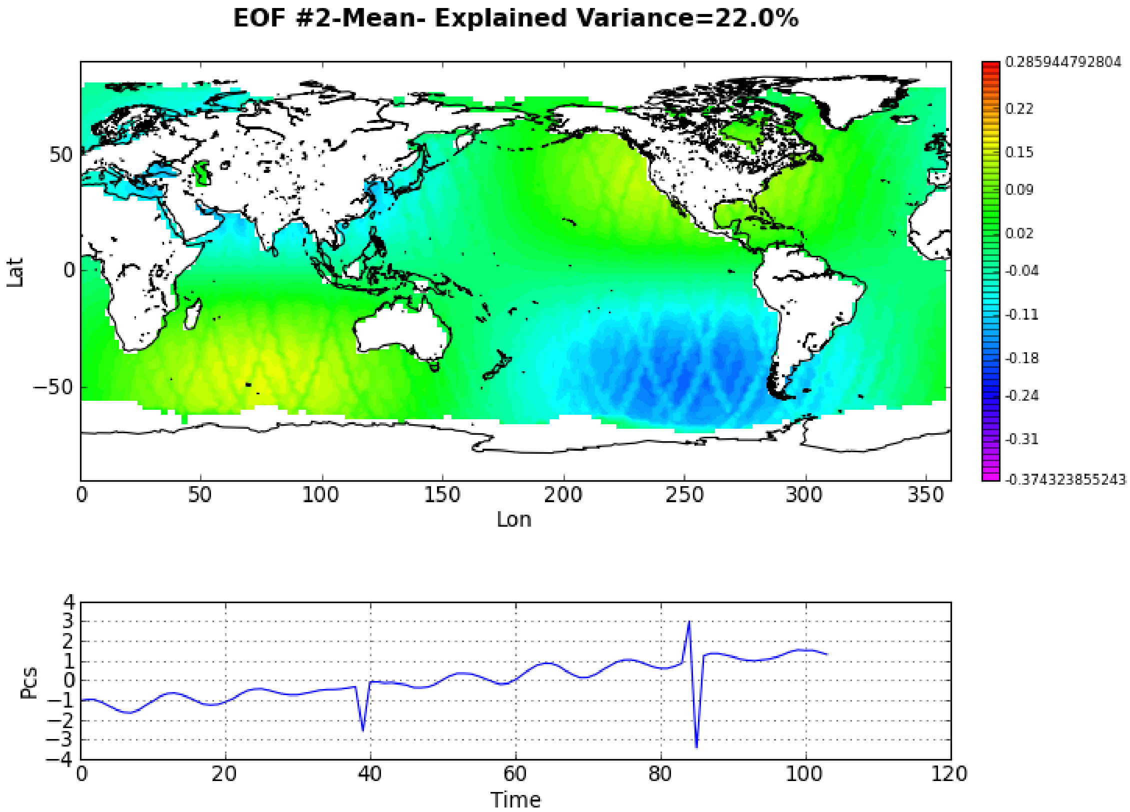
Diagnostic type : Mono-mission analyses

Diagnostic A006_b (mission en)

Name : EOF Decomposition of Differences

Input data : Along track altimetric components

Description : The differences between map of SLA (mean) are calculated from the mean SLA maps (per cycle) using successively both altimetric components in the SLA calculation. The maps of the differences are analyzed through an Empirical Orthogonal Functions (EOF) decomposition.

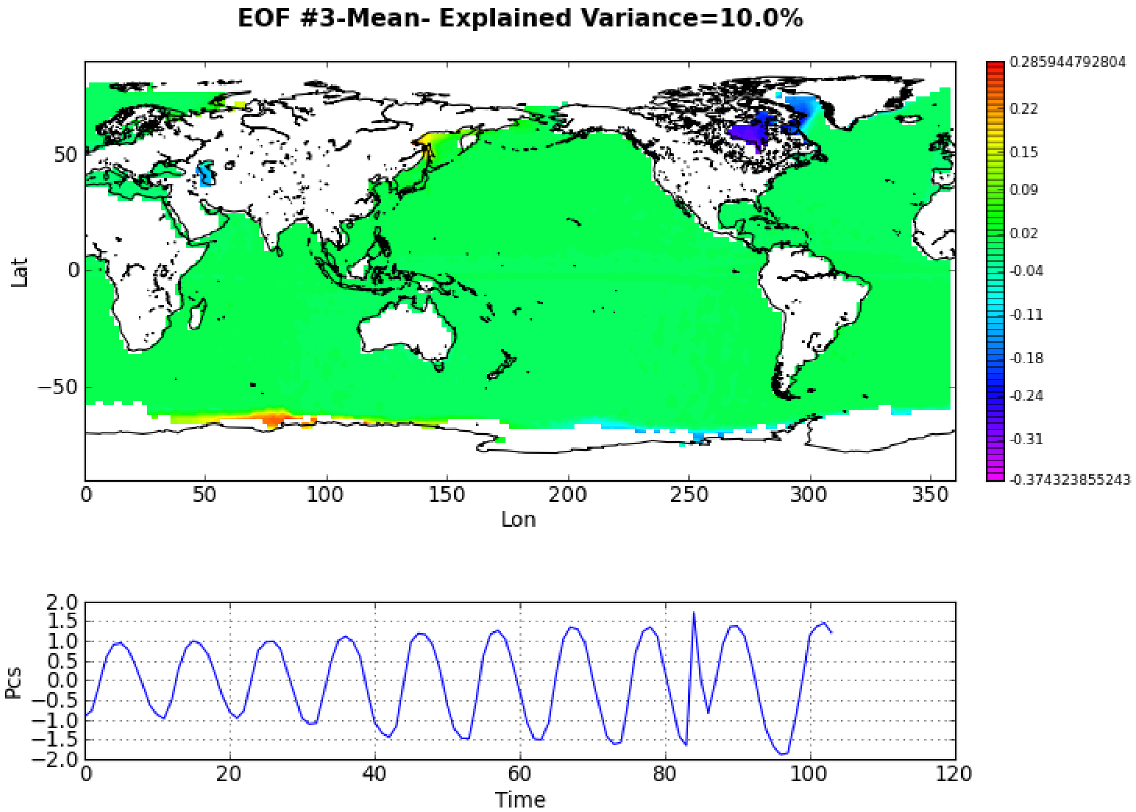


Diagnostic A006_c (mission en)

Name : EOF Decomposition of Differences

Input data : Along track altimetric components

Description : The differences between map of SLA (mean) are calculated from the mean SLA maps (per cycle) using successively both altimetric components in the SLA calculation. The maps of the differences are analyzed through an Empirical Orthogonal Functions (EOF) decomposition.



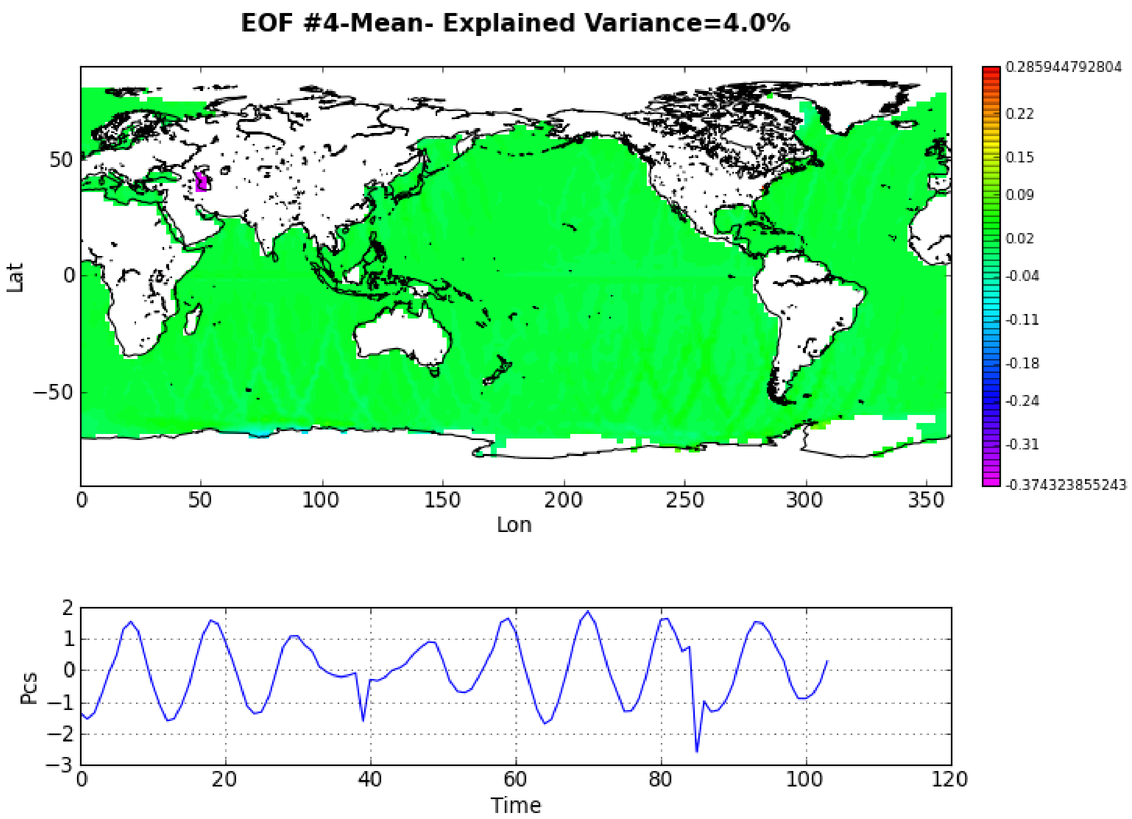
Diagnostic type : Mono-mission analyses

Diagnostic A006_d (mission en)

Name : EOF Decomposition of Differences

Input data : Along track altimetric components

Description : The differences between map of SLA (mean) are calculated from the mean SLA maps (per cycle) using successively both altimetric components in the SLA calculation. The maps of the differences are analyzed through an Empirical Orthogonal Functions (EOF) decomposition.



Diagnostic type : Mono-mission analyses

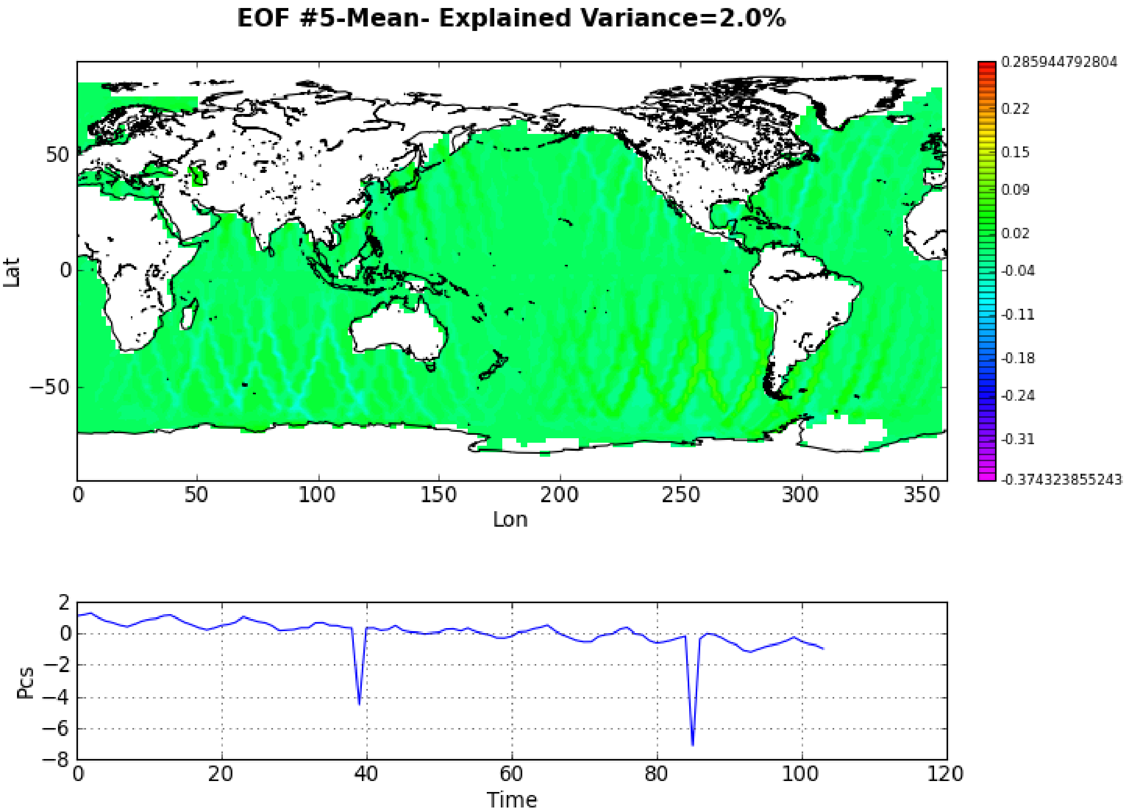
Diagnostic type : Mono-mission analyses

Diagnostic A006_e (mission en)

Name : EOF Decomposition of Differences

Input data : Along track altimetric components

Description : The differences between map of SLA (mean) are calculated from the mean SLA maps (per cycle) using successively both altimetric components in the SLA calculation. The maps of the differences are analyzed through an Empirical Orthogonal Functions (EOF) decomposition.



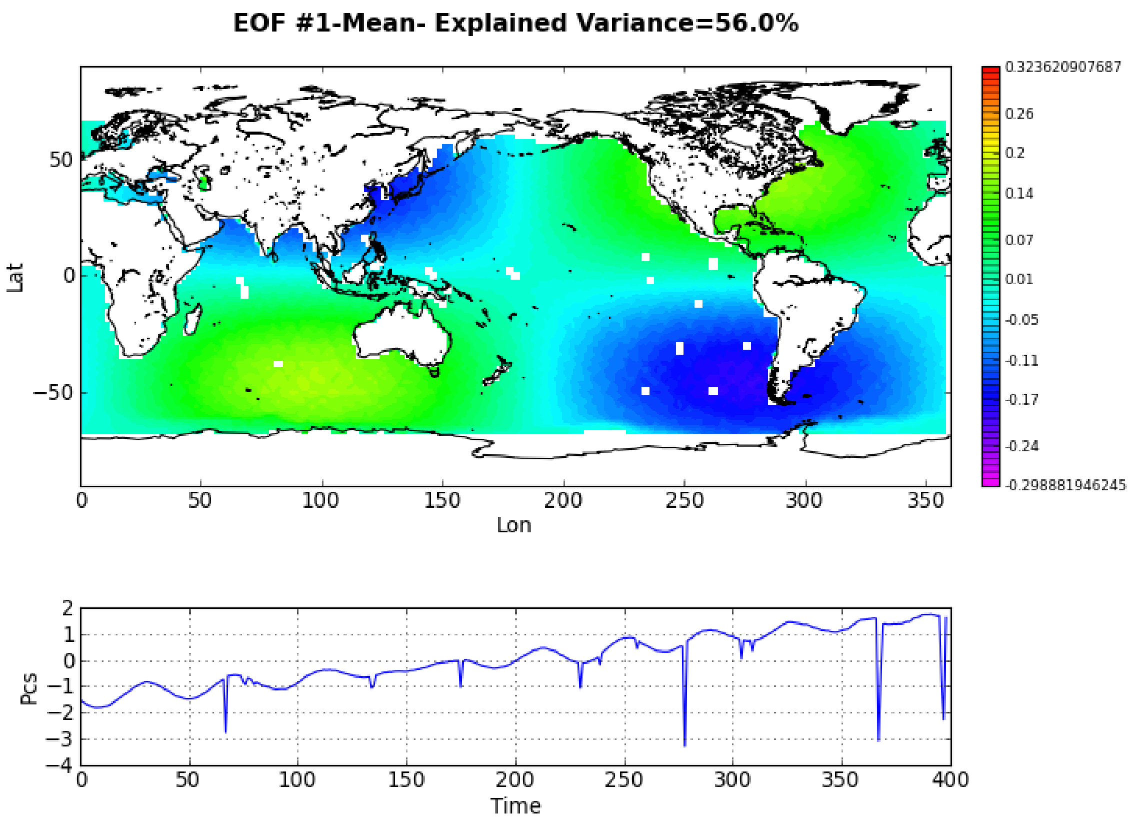
Diagnostic type : Mono-mission analyses

Diagnostic A006_a (mission j1)

Name : EOF Decomposition of Differences

Input data : Along track altimetric components

Description : The differences between map of SLA (mean) are calculated from the mean SLA maps (per cycle) using successively both altimetric components in the SLA calculation. The maps of the differences are analyzed through an Empirical Orthogonal Functions (EOF) decomposition.



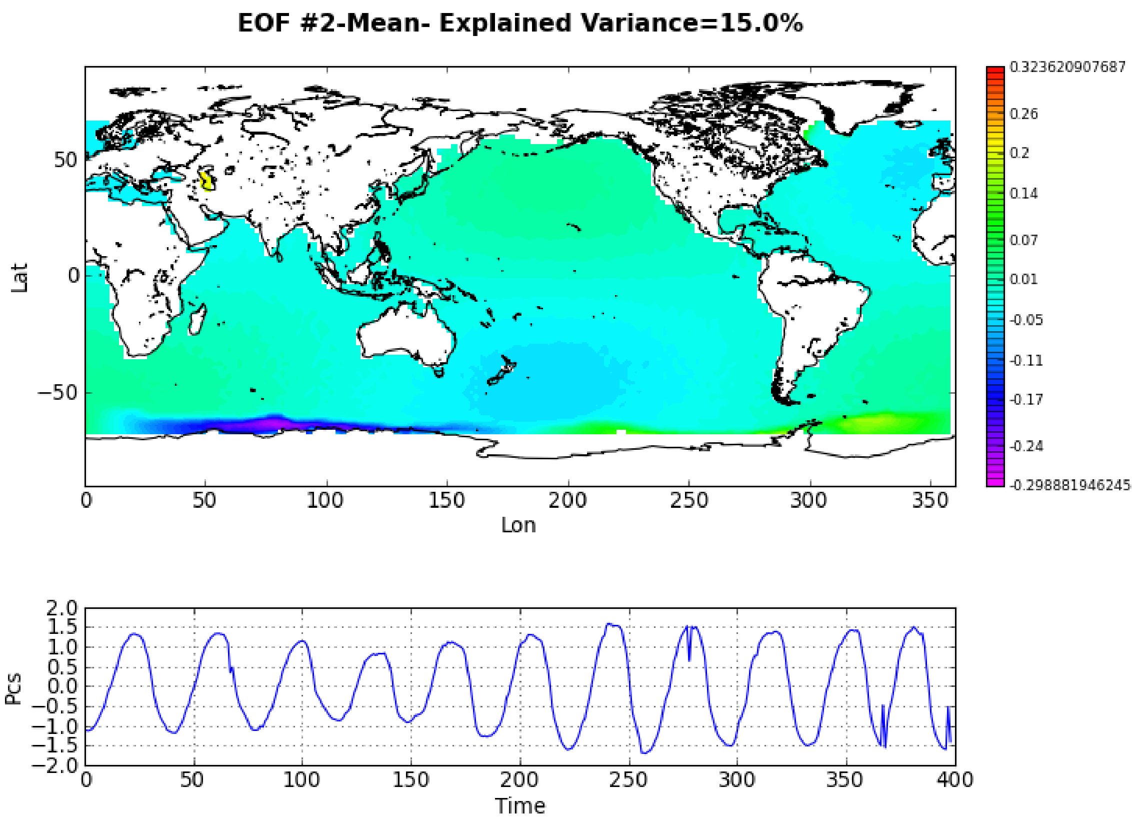
Diagnostic type : Mono-mission analyses

Diagnostic A006_b (mission j1)

Name : EOF Decomposition of Differences

Input data : Along track altimetric components

Description : The differences between map of SLA (mean) are calculated from the mean SLA maps (per cycle) using successively both altimetric components in the SLA calculation. The maps of the differences are analyzed through an Empirical Orthogonal Functions (EOF) decomposition.



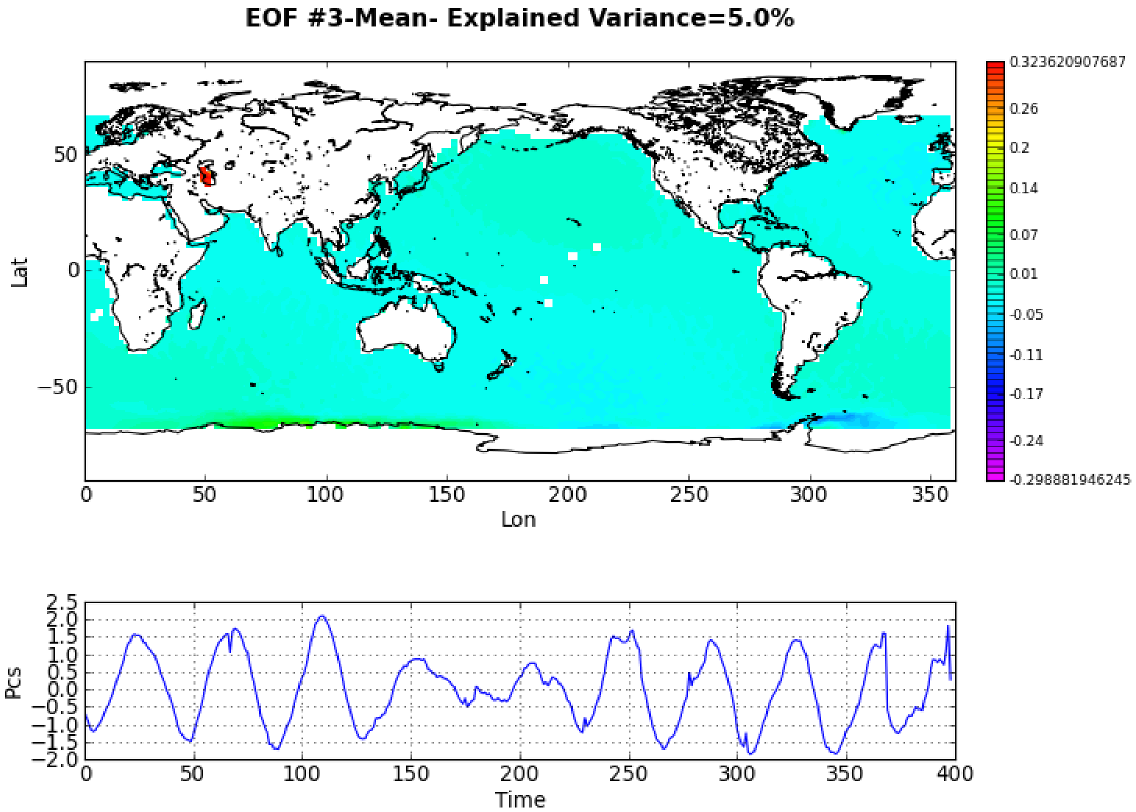
Diagnostic type : Mono-mission analyses

Diagnostic A006_c (mission j1)

Name : EOF Decomposition of Differences

Input data : Along track altimetric components

Description : The differences between map of SLA (mean) are calculated from the mean SLA maps (per cycle) using successively both altimetric components in the SLA calculation. The maps of the differences are analyzed through an Empirical Orthogonal Functions (EOF) decomposition.



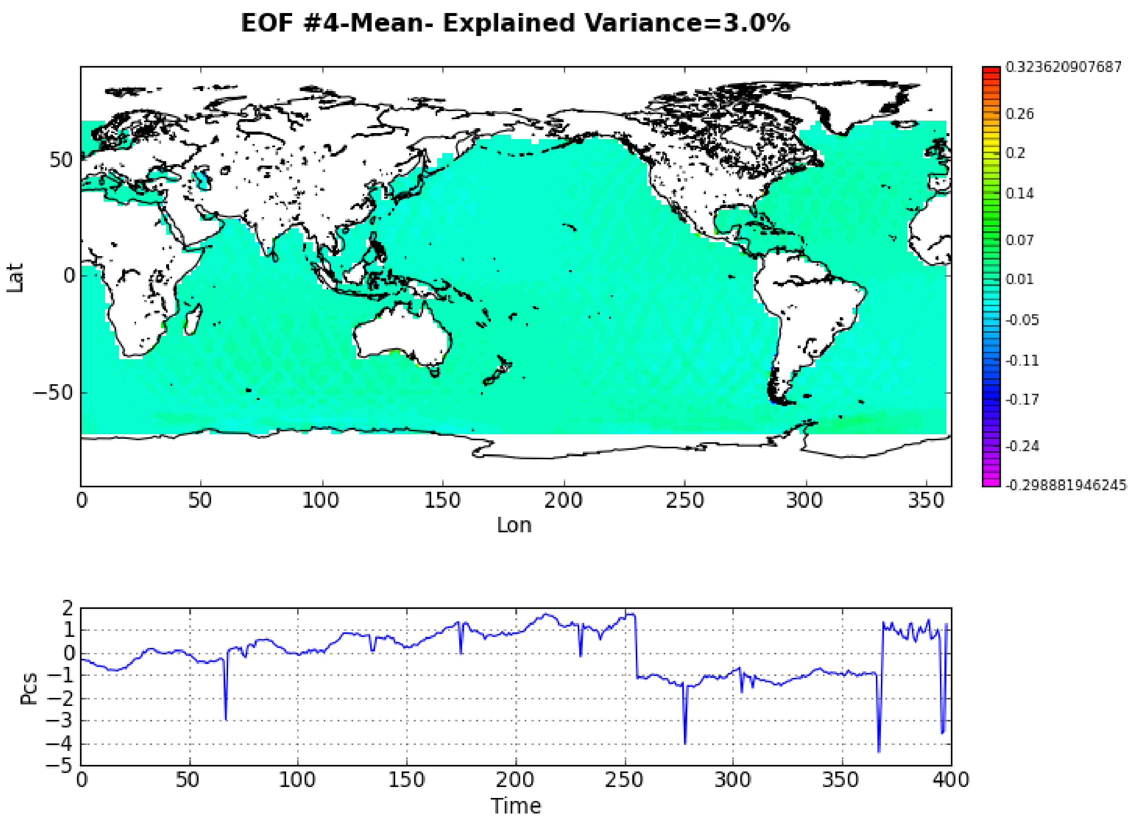
Diagnostic type : Mono-mission analyses

Diagnostic A006_d (mission j1)

Name : EOF Decomposition of Differences

Input data : Along track altimetric components

Description : The differences between map of SLA (mean) are calculated from the mean SLA maps (per cycle) using successively both altimetric components in the SLA calculation. The maps of the differences are analyzed through an Empirical Orthogonal Functions (EOF) decomposition.

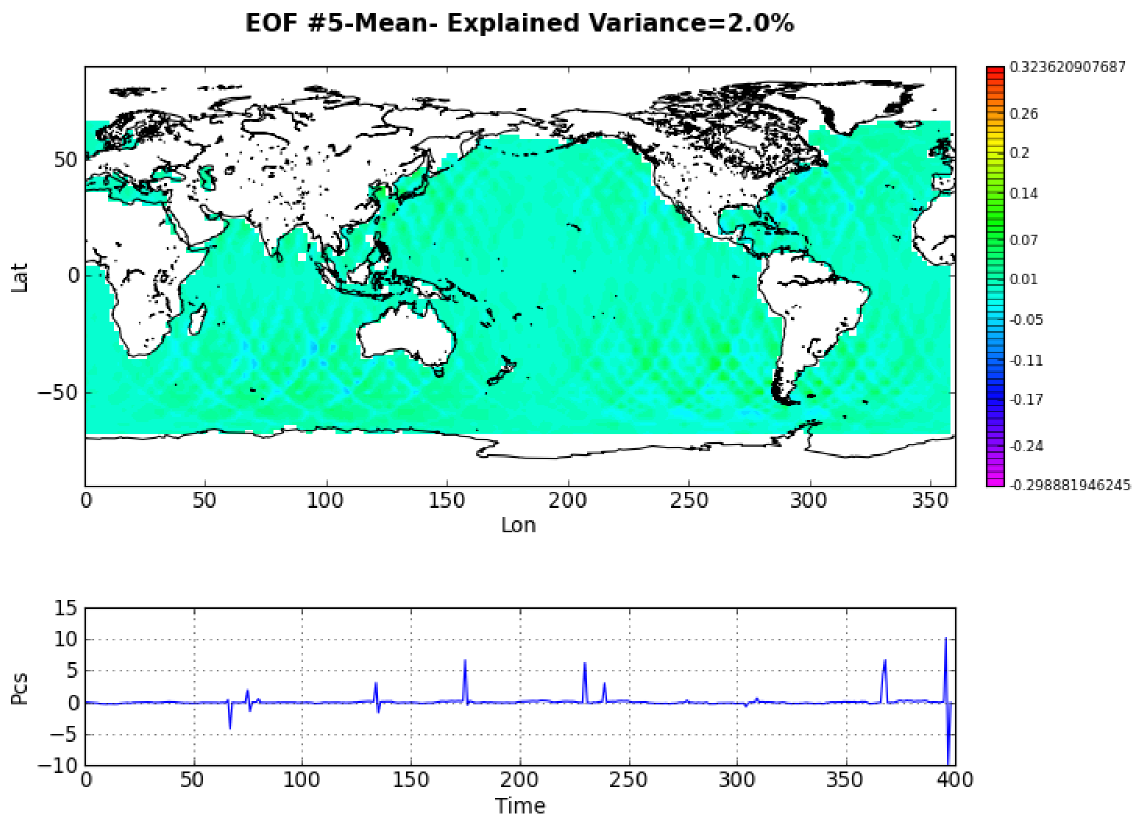


Diagnostic A006_e (mission j1)

Name : EOF Decomposition of Differences

Input data : Along track altimetric components

Description : The differences between map of SLA (mean) are calculated from the mean SLA maps (per cycle) using successively both altimetric components in the SLA calculation. The maps of the differences are analyzed through an Empirical Orthogonal Functions (EOF) decomposition.



Diagnostic type : Mono-mission analyses

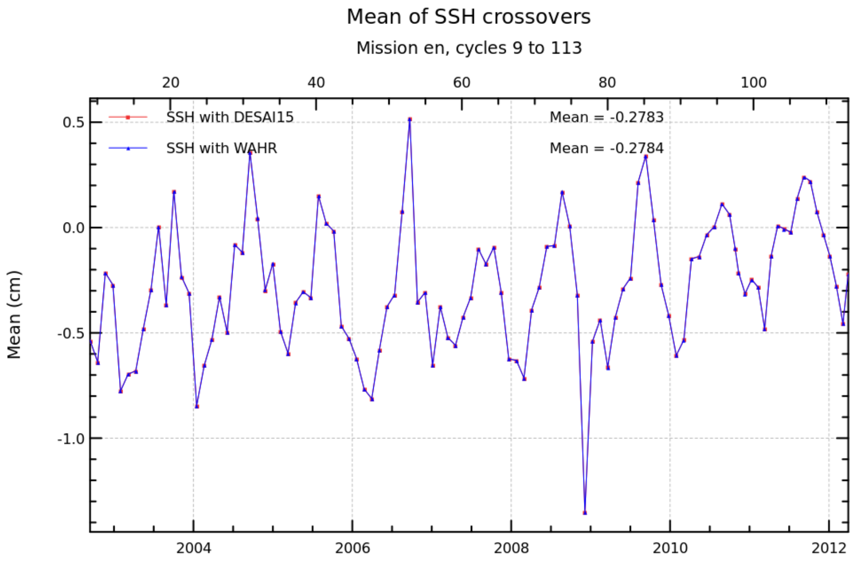
Diagnostic type : Mono-mission analyses

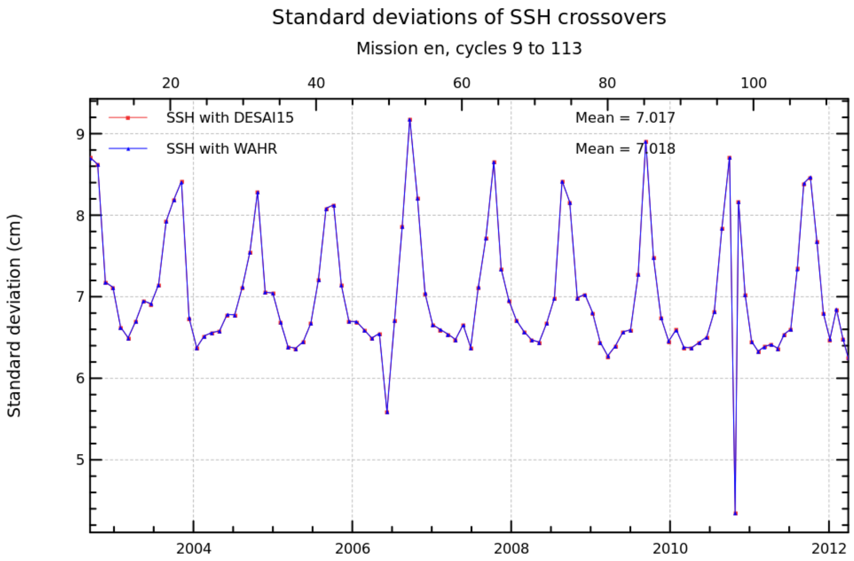
Diagnostic A101_a (mission en)

Name : Temporal evolution of SSH crossovers

Input data : Sea Surface Height (SSH) crossovers

Description : The temporal evolution of global statistics (mean, standard deviation) of SSH differences are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SSH calculation. SSH crossovers are the differences between ascending and descending passes for time differences between both passes lower than 10 days (in order to reduce the effect of the oceanic variability).





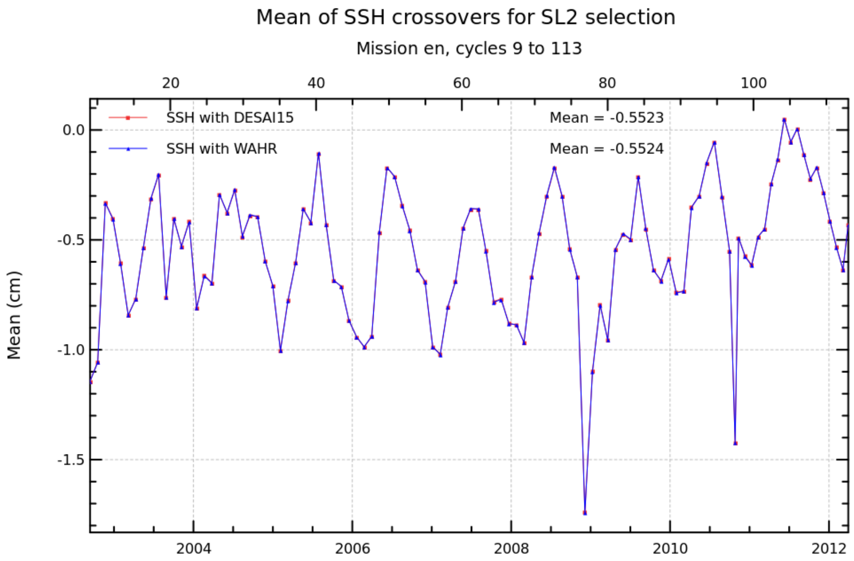
Diagnostic type : Mono-mission analyses

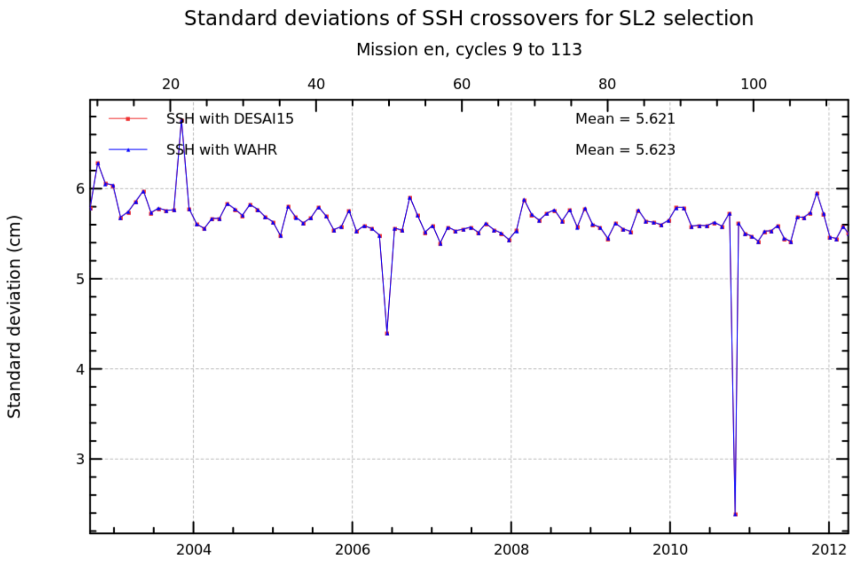
Diagnostic A101_b (mission en)

Name : Temporal evolution of SSH crossovers

Input data : Sea Surface Height (SSH) crossovers

Description : The temporal evolution of global statistics (mean, standard deviation) of SSH differences are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SSH calculation. SSH crossovers are the differences between ascending and descending passes for time differences between both passes lower than 10 days (in order to reduce the effect of the oceanic variability).





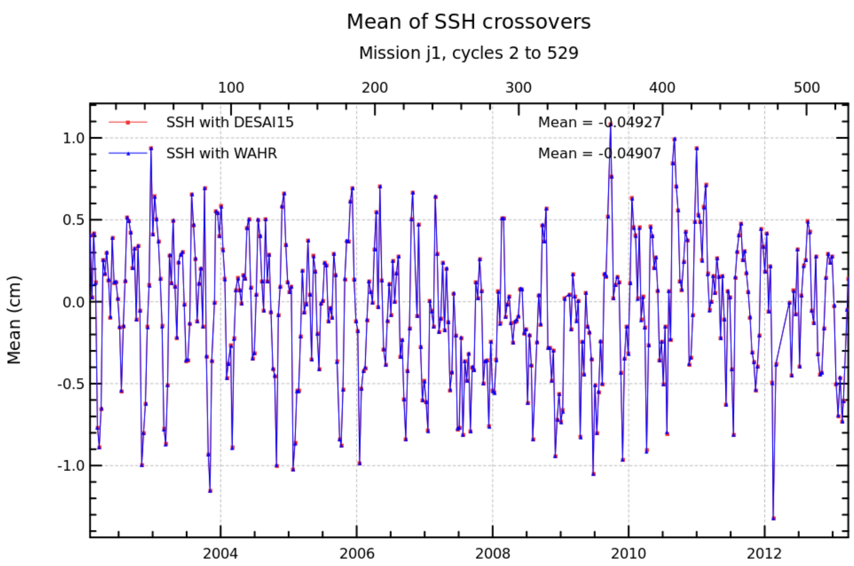
Diagnostic type : Mono-mission analyses

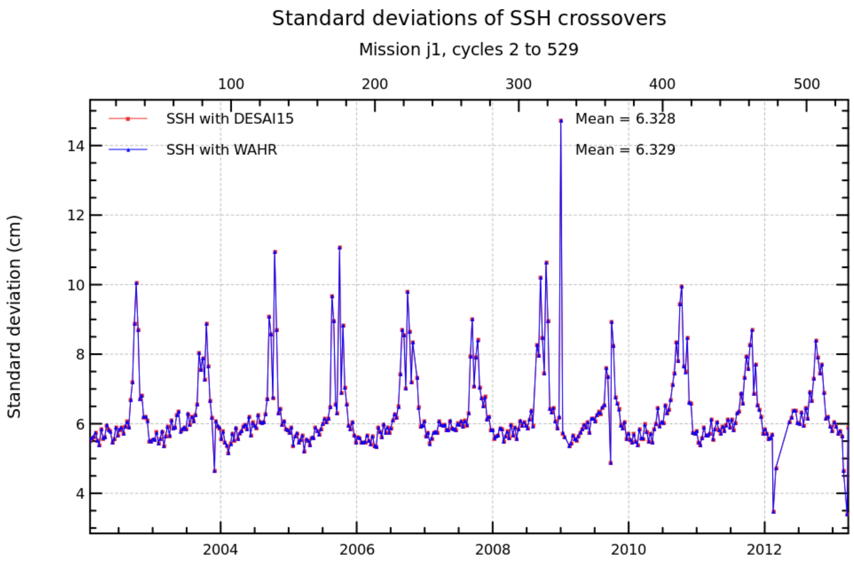
Diagnostic A101_a (mission j1)

Name : Temporal evolution of SSH crossovers

Input data : Sea Surface Height (SSH) crossovers

Description : The temporal evolution of global statistics (mean, standard deviation) of SSH differences are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SSH calculation. SSH crossovers are the differences between ascending and descending passes for time differences between both passes lower than 10 days (in order to reduce the effect of the oceanic variability).



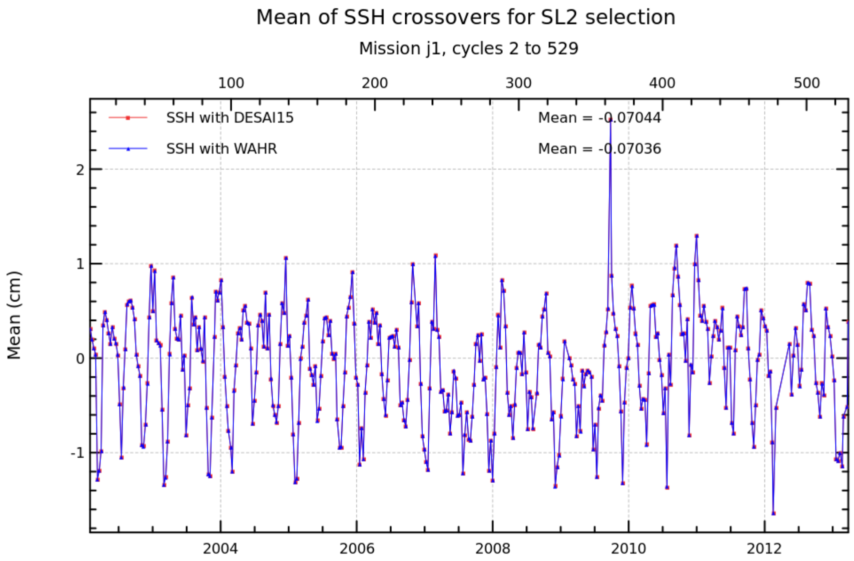


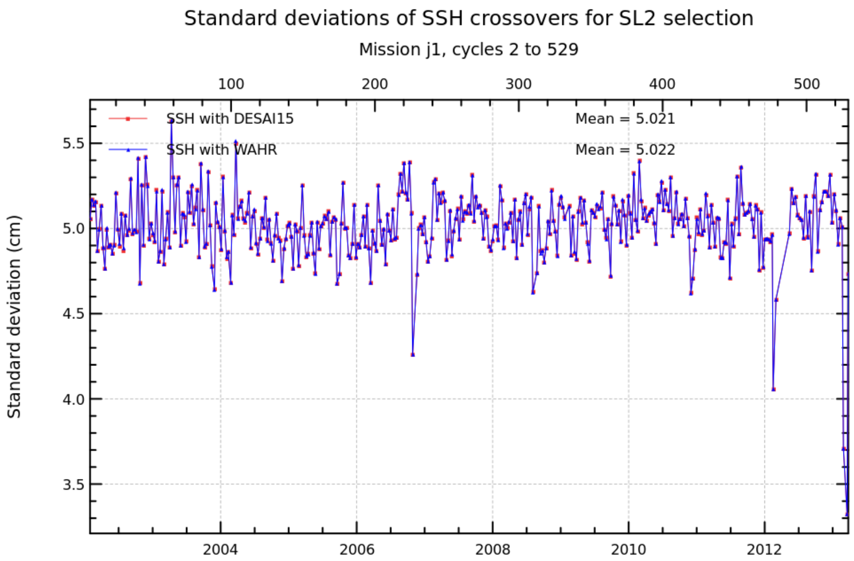
Diagnostic A101_b (mission j1)

Name : Temporal evolution of SSH crossovers

Input data : Sea Surface Height (SSH) crossovers

Description : The temporal evolution of global statistics (mean, standard deviation) of SSH differences are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SSH calculation. SSH crossovers are the differences between ascending and descending passes for time differences between both passes lower than 10 days (in order to reduce the effect of the oceanic variability).





Diagnostic type : Mono-mission analyses

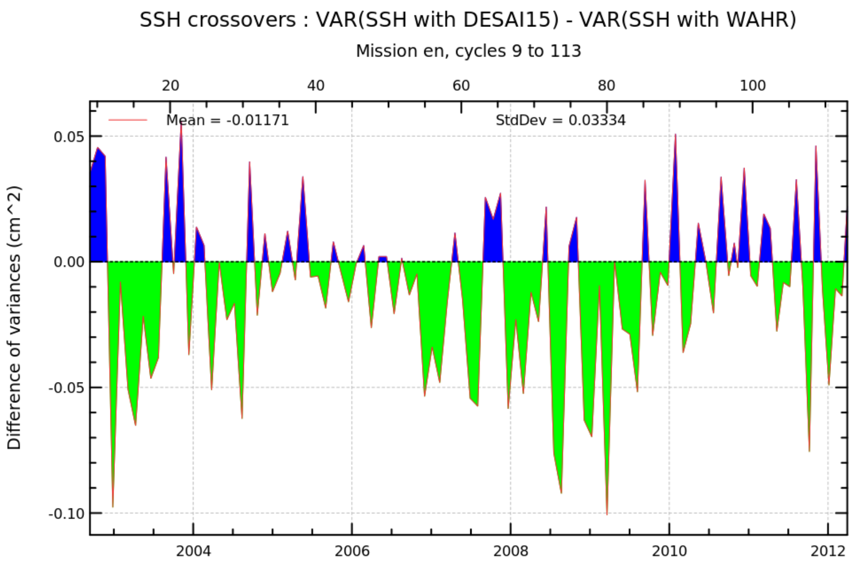
Diagnostic type : Mono-mission analyses

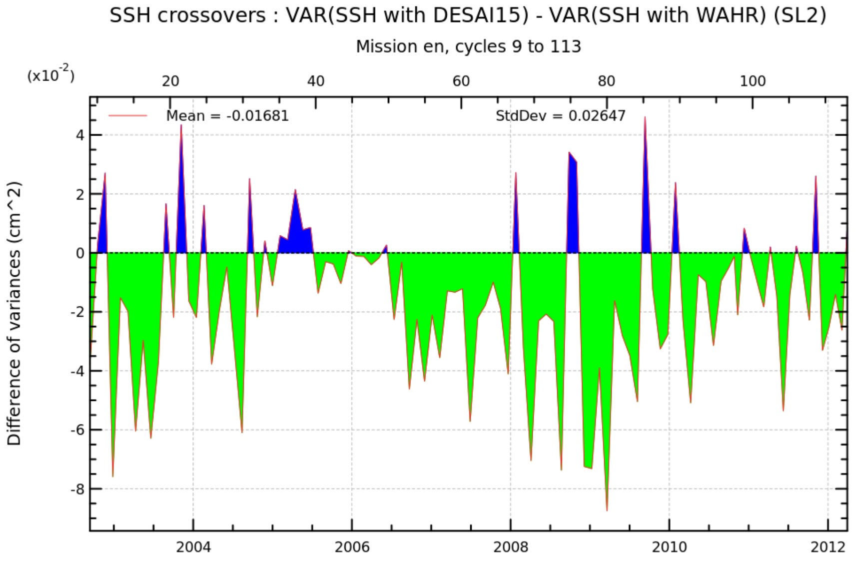
Diagnostic A102 (mission en)

Name : Differences between temporal evolution of SSH crossovers

Input data : Sea Surface Height (SSH) crossovers

Description : The difference of temporal evolution between the global statistics (mean, standard deviation) of SSH differences are calculated using successively both altimetric components in the SSH calculation. SSH crossovers are the differences between ascending and descending passes for time differences between both passes lower than 10 days (in order to reduce the effect of the oceanic variability).





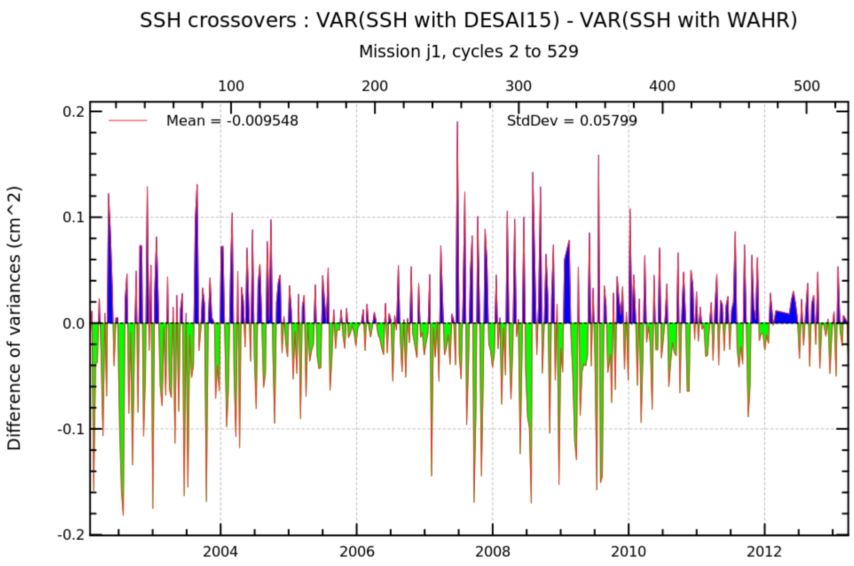
Diagnostic type : Mono-mission analyses

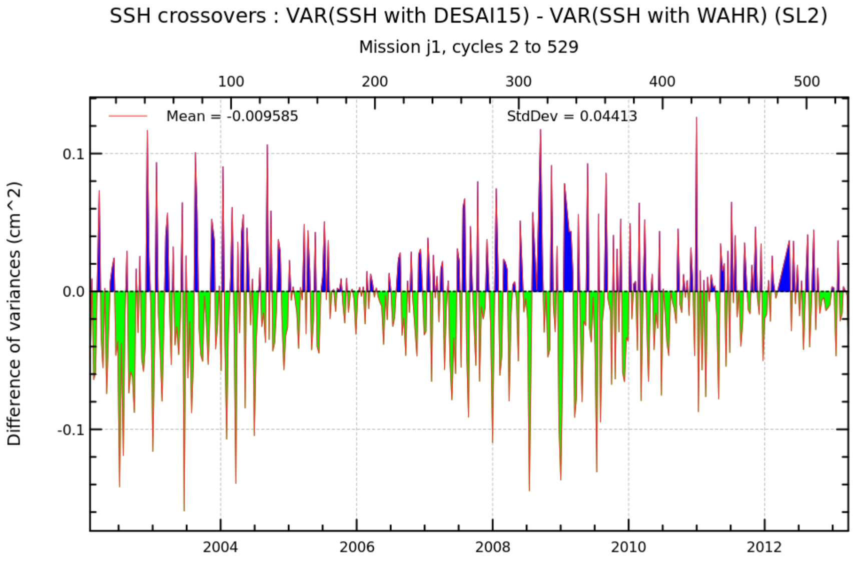
Diagnostic A102 (mission j1)

Name : Differences between temporal evolution of SSH crossovers

Input data : Sea Surface Height (SSH) crossovers

Description : The difference of temporal evolution between the global statistics (mean, standard deviation) of SSH differences are calculated using successively both altimetric components in the SSH calculation. SSH crossovers are the differences between ascending and descending passes for time differences between both passes lower than 10 days (in order to reduce the effect of the oceanic variability).





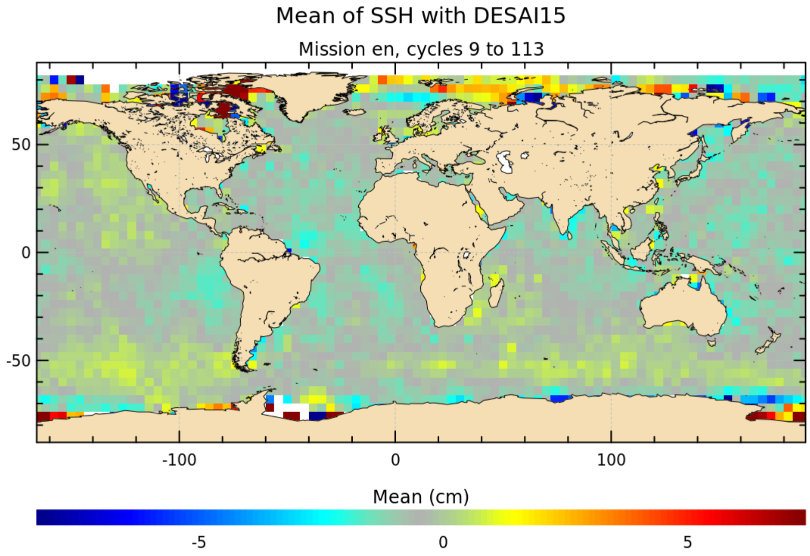
Diagnostic type : Mono-mission analyses

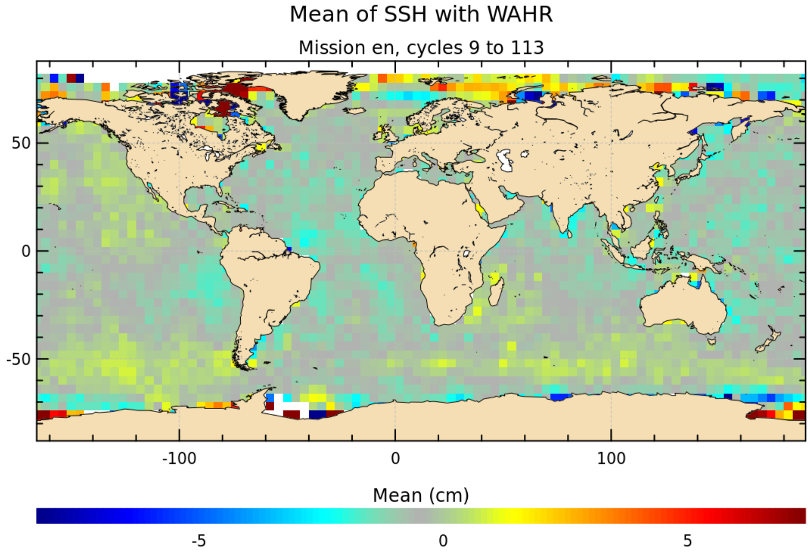
Diagnostic A103 (mission en)

Name : Map of SSH crossovers

Input data : Sea Surface Height (SSH) crossovers

Description : The differences between maps of SSH crossovers differences (mean, variance) are calculated using successively both altimetric components in the SSH calculation. SSH crossovers are the differences between ascending and descending passes for time differences between both passes lower than 10 days (in order to reduce the effect of the oceanic variability).



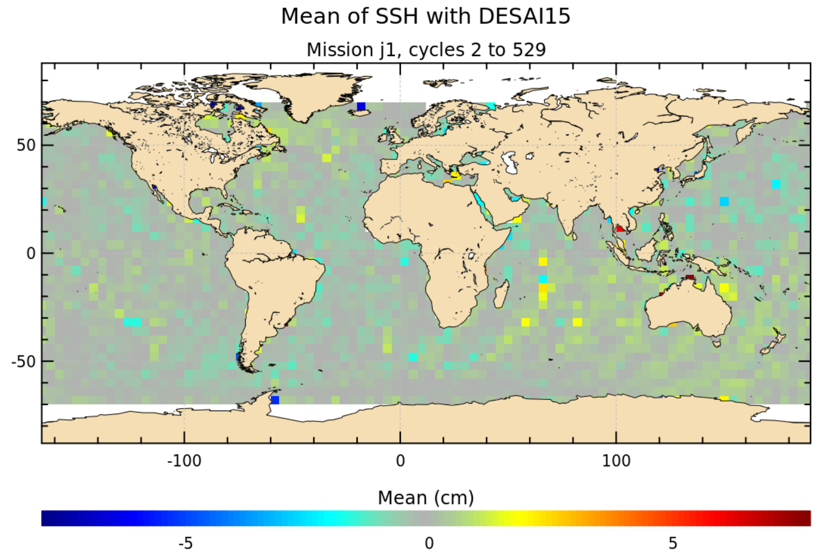


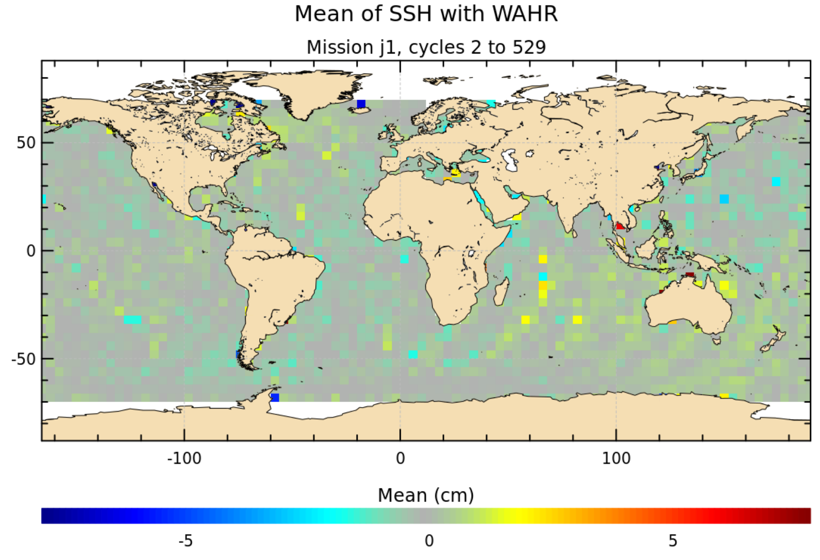
Diagnostic A103 (mission j1)

Name : Map of SSH crossovers

Input data : Sea Surface Height (SSH) crossovers

Description : The differences between maps of SSH crossovers differences (mean, variance) are calculated using successively both altimetric components in the SSH calculation. SSH crossovers are the differences between ascending and descending passes for time differences between both passes lower than 10 days (in order to reduce the effect of the oceanic variability).





Diagnostic type : Mono-mission analyses

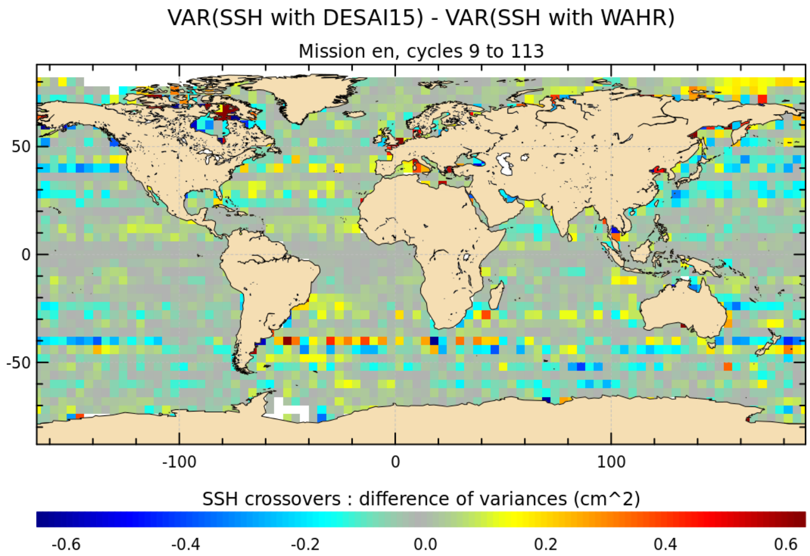
Diagnostic type : Mono-mission analyses

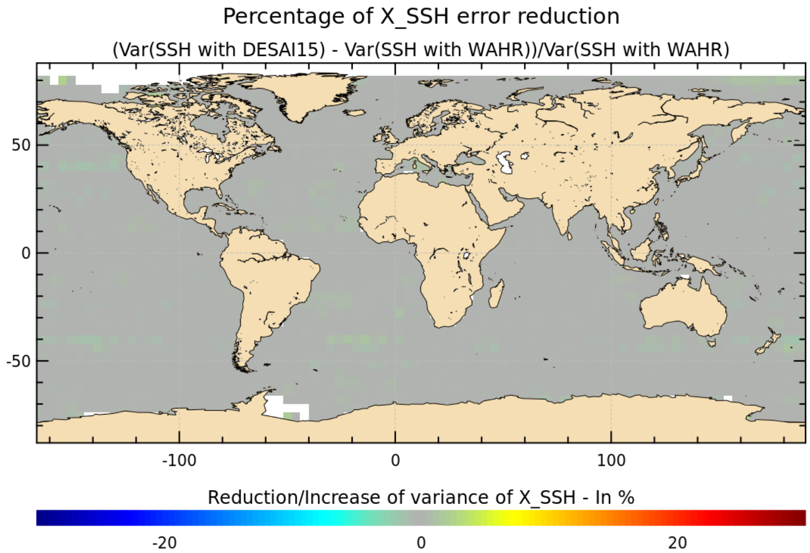
Diagnostic A104 (mission en)

Name : Differences between maps of SSH crossovers

Input data : Sea Surface Height (SSH) crossovers

Description : The differences between maps of SSH crossovers (derived from diagnostic A103) are calculated from the SSH crossover differences (mean, standard deviation) using successively both altimetric components in the SSH calculation. SSH crossovers are the differences between ascending and descending passes for time differences between both passes lower than 10 days (in order to reduce the effect of the oceanic variability).



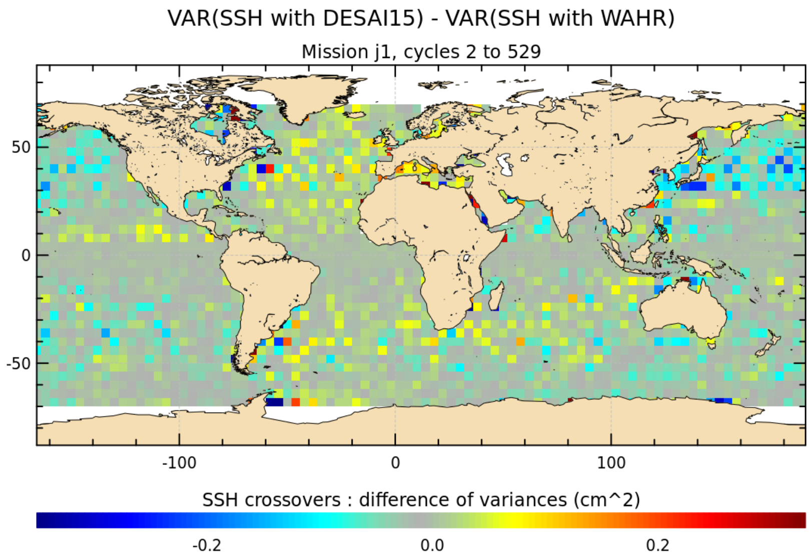


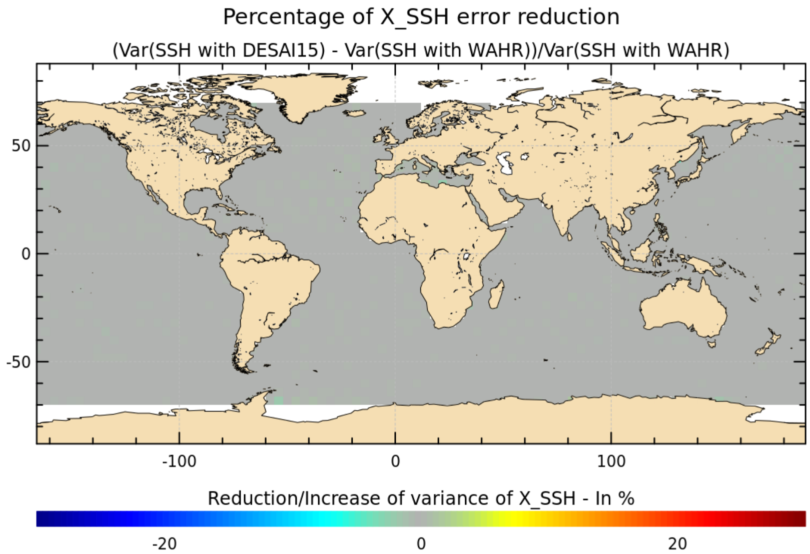
Diagnostic A104 (mission j1)

Name : Differences between maps of SSH crossovers

Input data : Sea Surface Height (SSH) crossovers

Description : The differences between maps of SSH crossovers (derived from diagnostic A103) are calculated from the SSH crossover differences (mean, standard deviation) using successively both altimetric components in the SSH calculation. SSH crossovers are the differences between ascending and descending passes for time differences between both passes lower than 10 days (in order to reduce the effect of the oceanic variability).





Diagnostic type : Mono-mission analyses

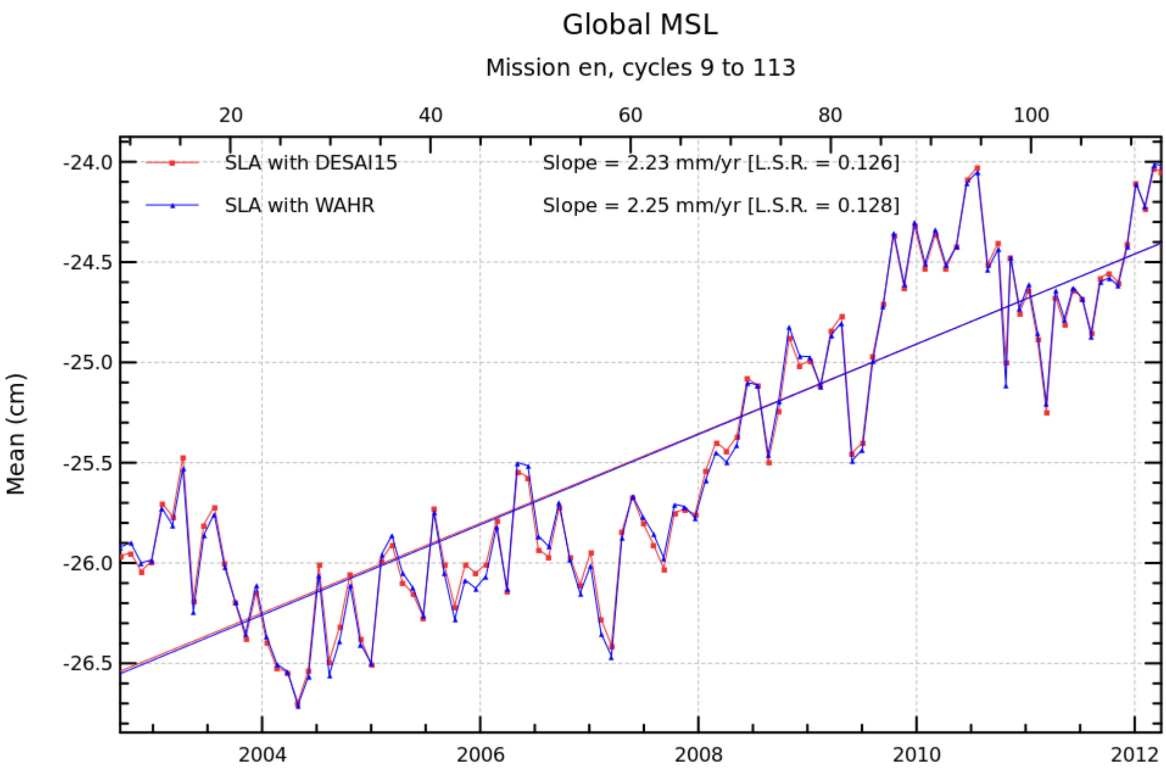
Diagnostic type : Mono-mission analyses

Diagnostic A201_a (mission en)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.



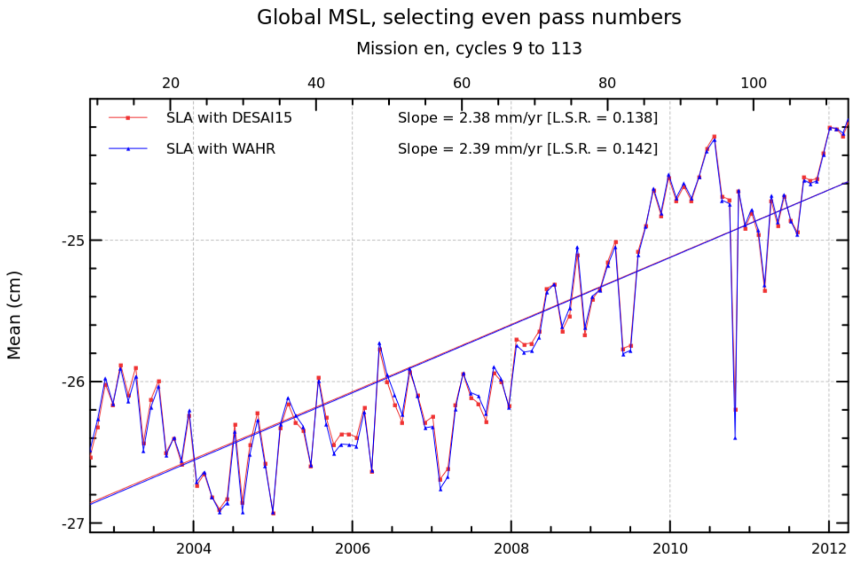
Diagnostic type : Mono-mission analyses

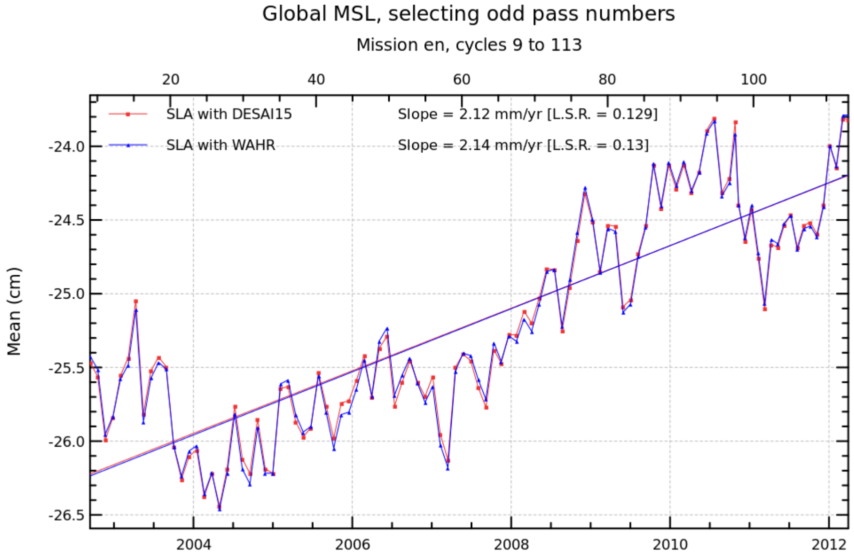
Diagnostic A201_b (mission en)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.





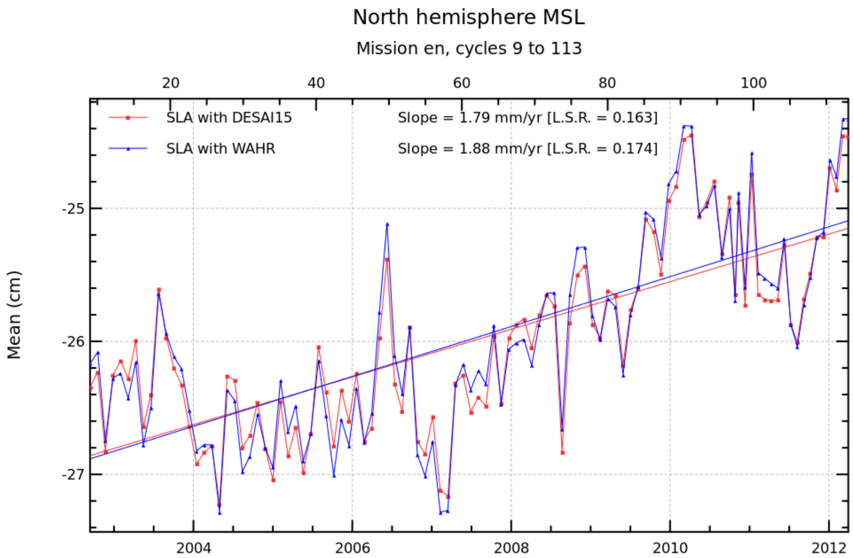
Diagnostic type : Mono-mission analyses

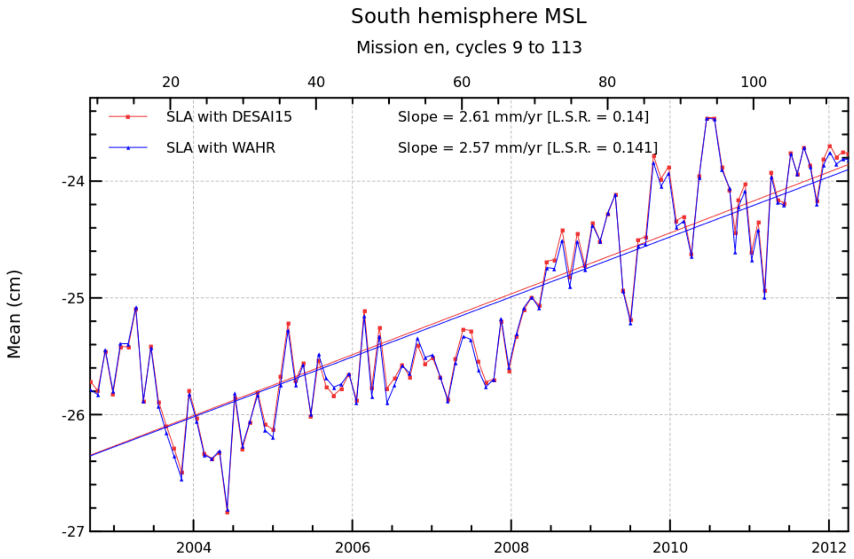
Diagnostic A201_c (mission en)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.





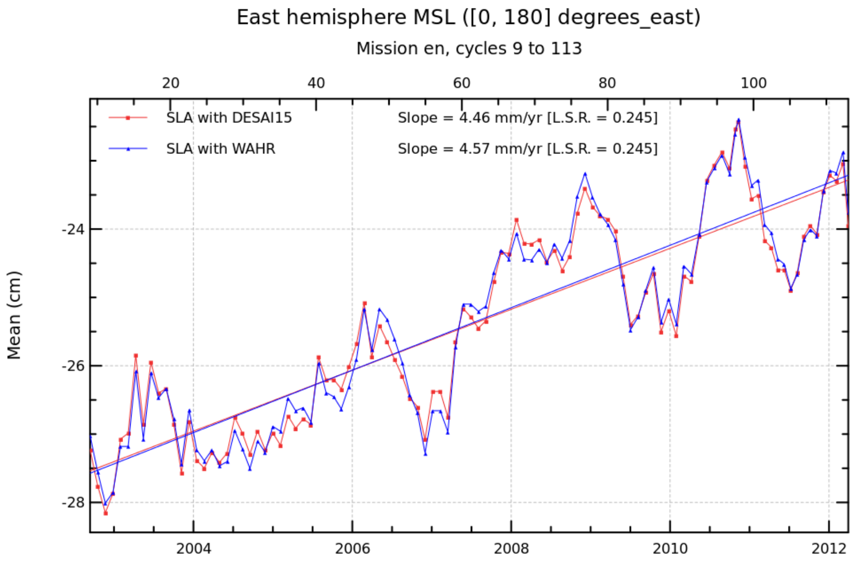
Diagnostic type : Mono-mission analyses

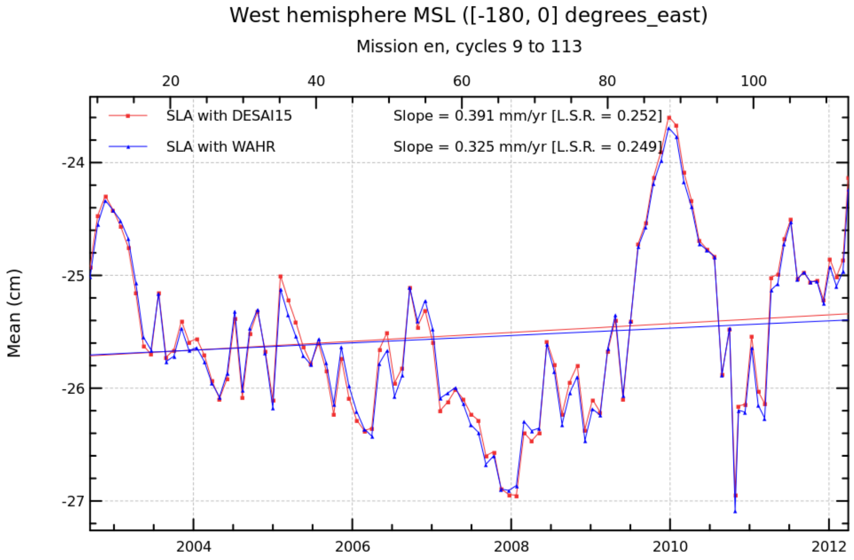
Diagnostic A201_d (mission en)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.





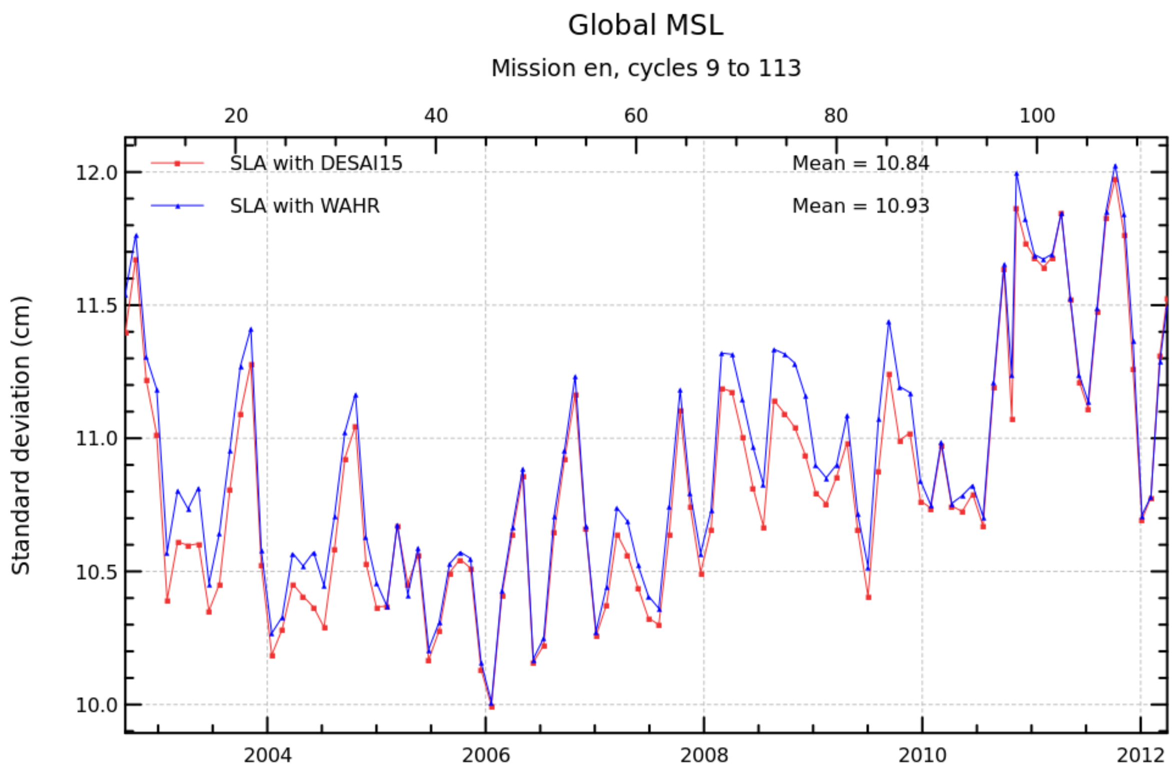
Diagnostic type : Mono-mission analyses

Diagnostic A201_e (mission en)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.



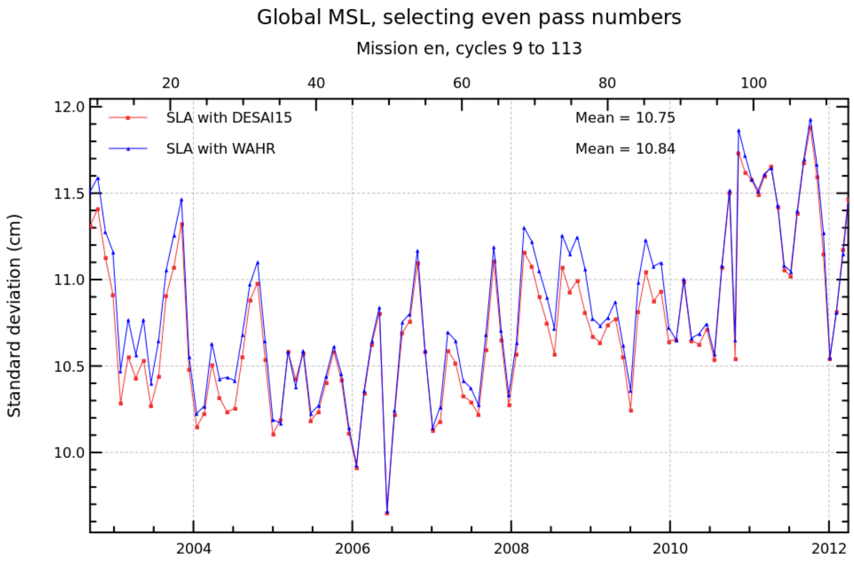
Diagnostic type : Mono-mission analyses

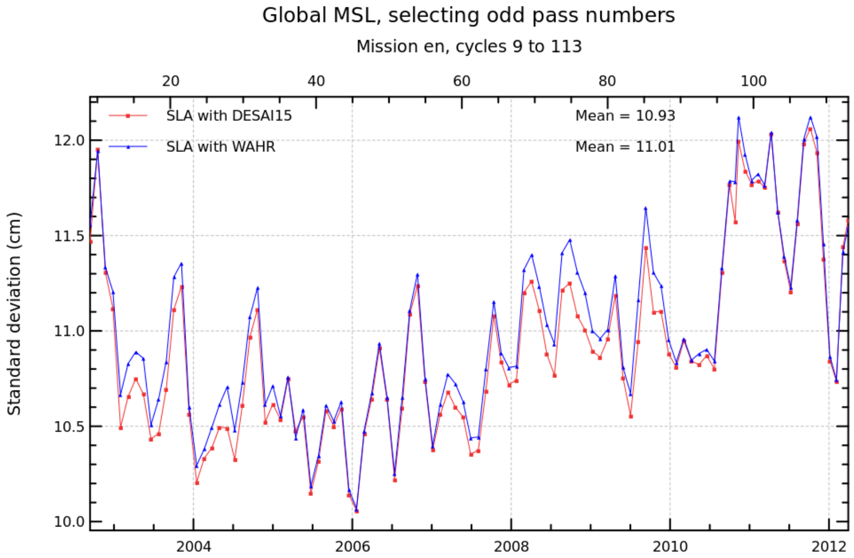
Diagnostic A201_f (mission en)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.





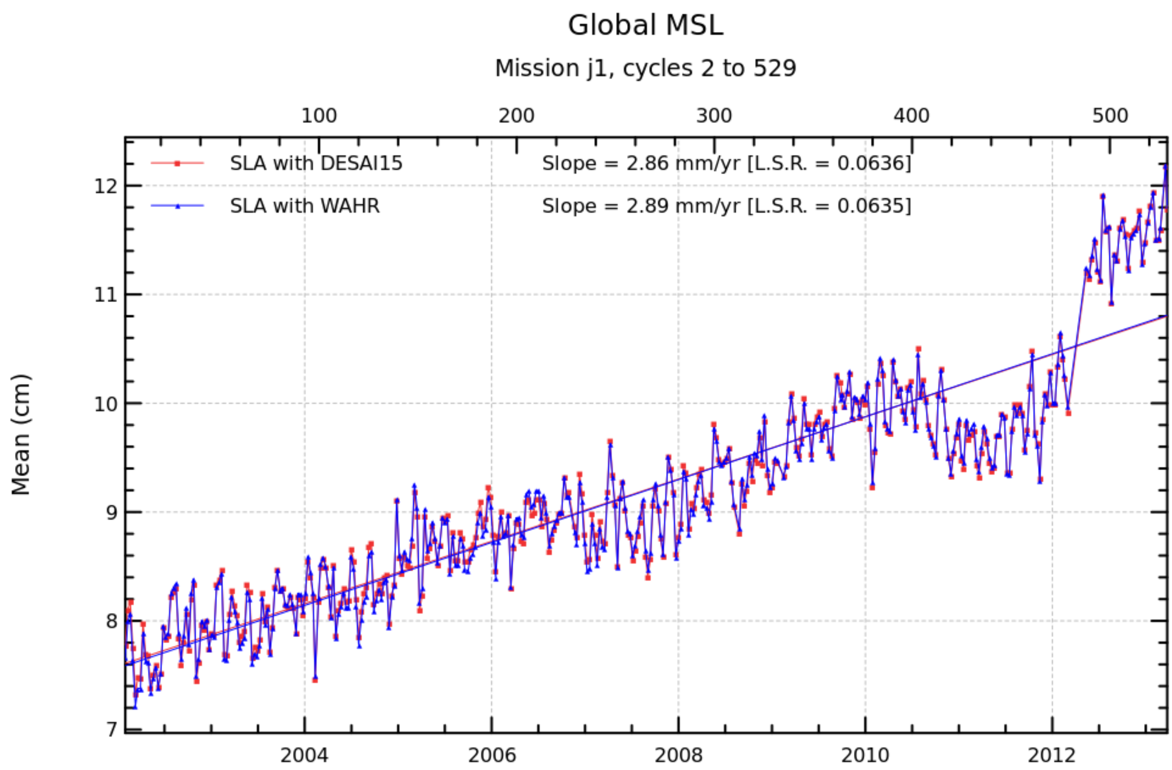
Diagnostic type : Mono-mission analyses

Diagnostic A201_a (mission j1)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.



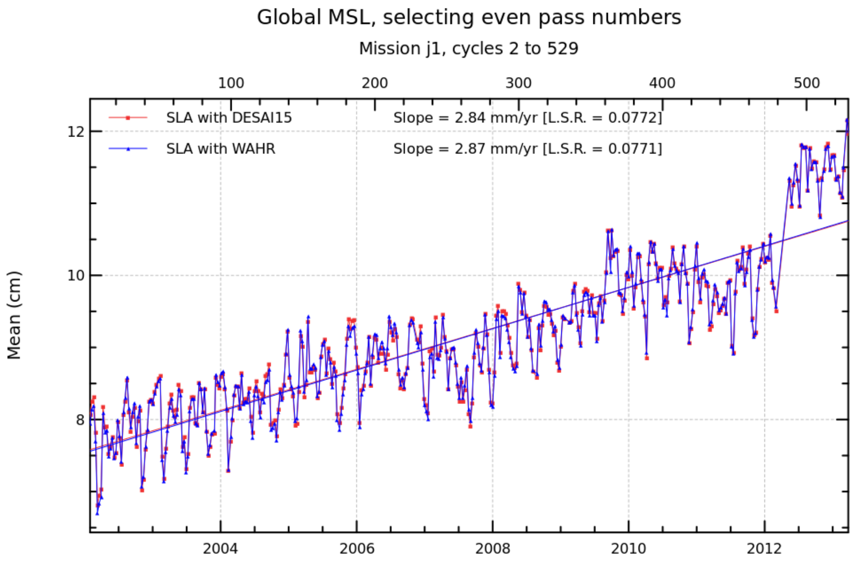
Diagnostic type : Mono-mission analyses

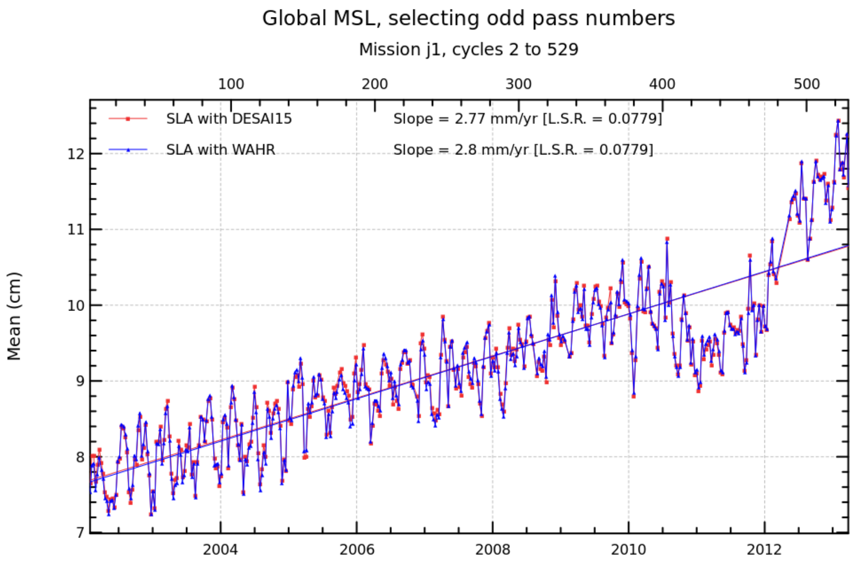
Diagnostic A201_b (mission j1)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.





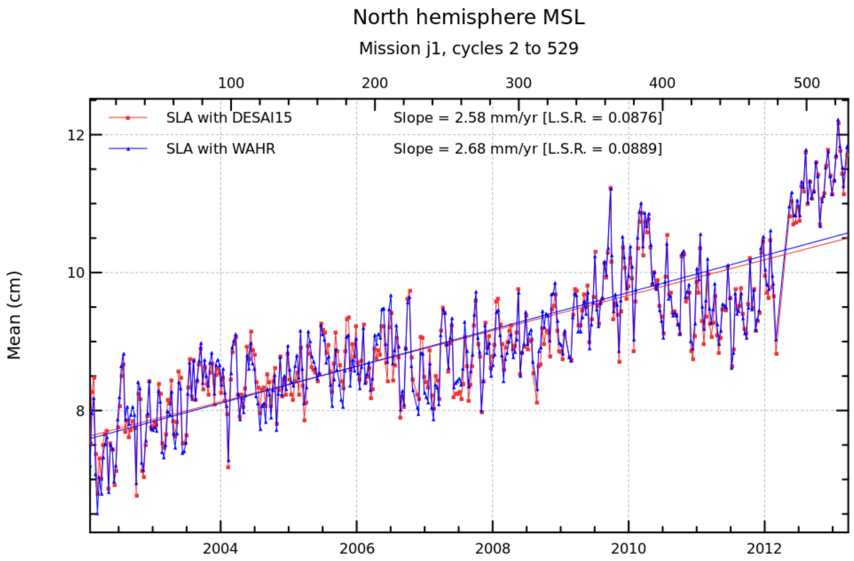
Diagnostic type : Mono-mission analyses

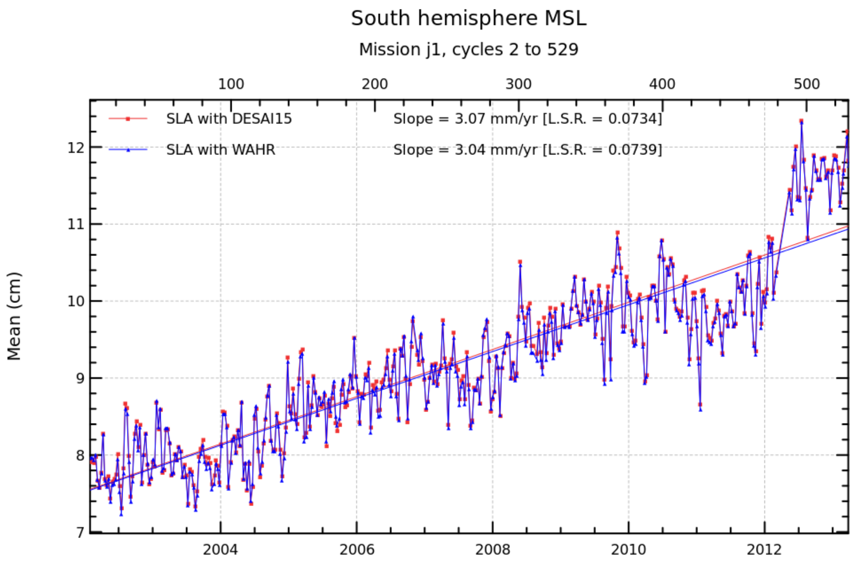
Diagnostic A201_c (mission j1)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.





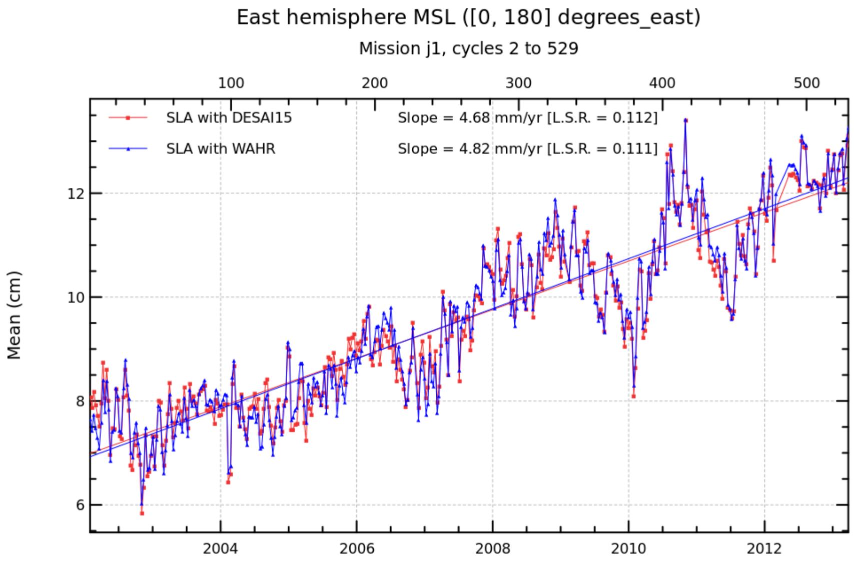
Diagnostic type : Mono-mission analyses

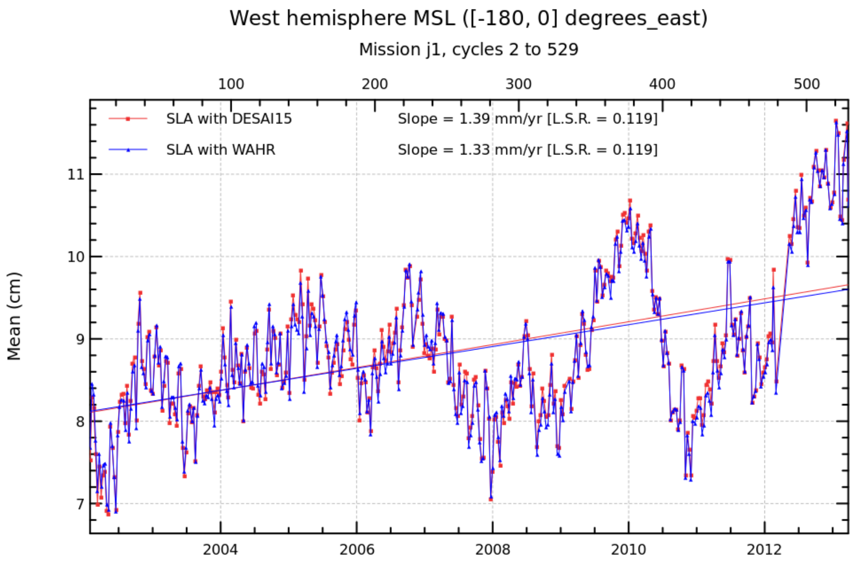
Diagnostic A201_d (mission j1)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.





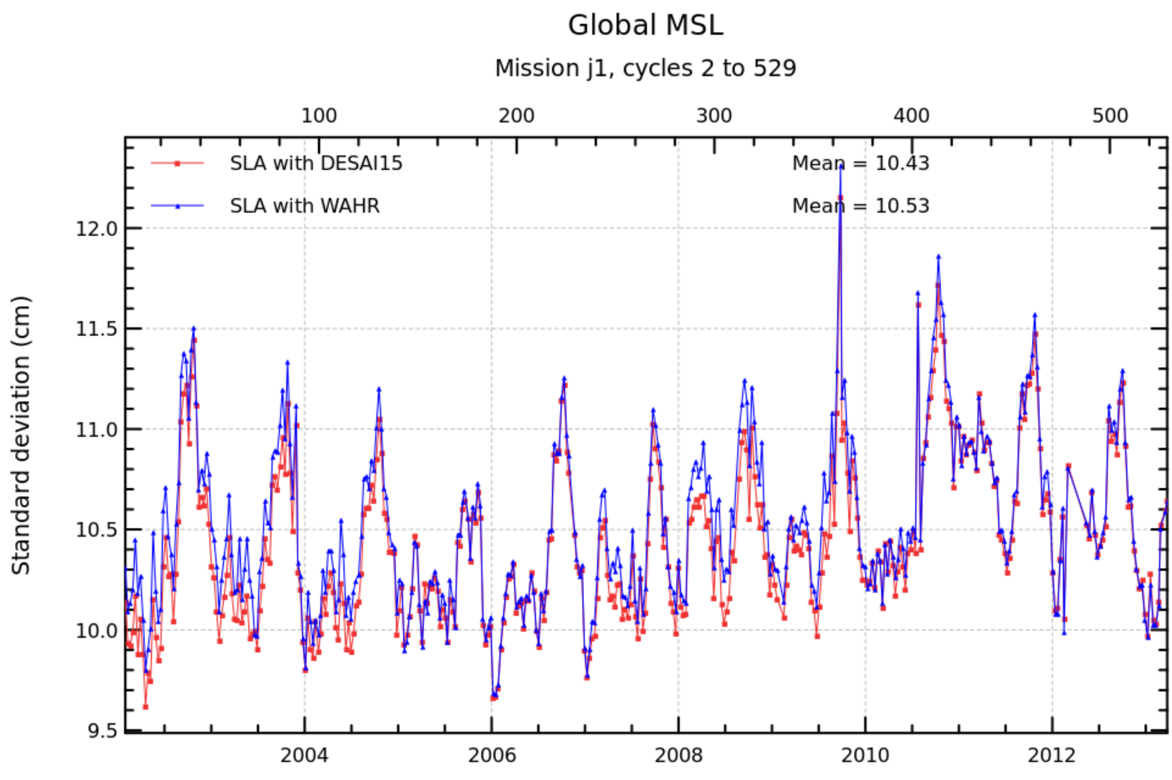
Diagnostic type : Mono-mission analyses

Diagnostic A201_e (mission j1)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.

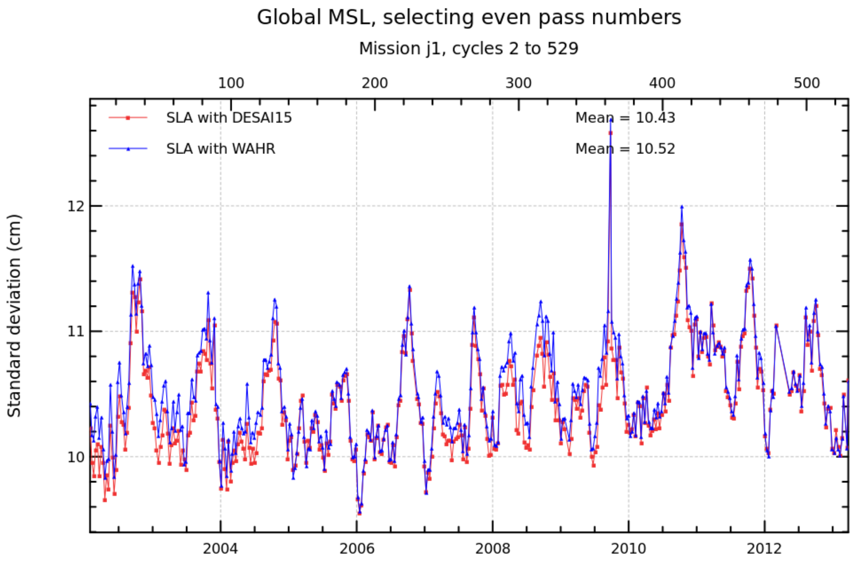


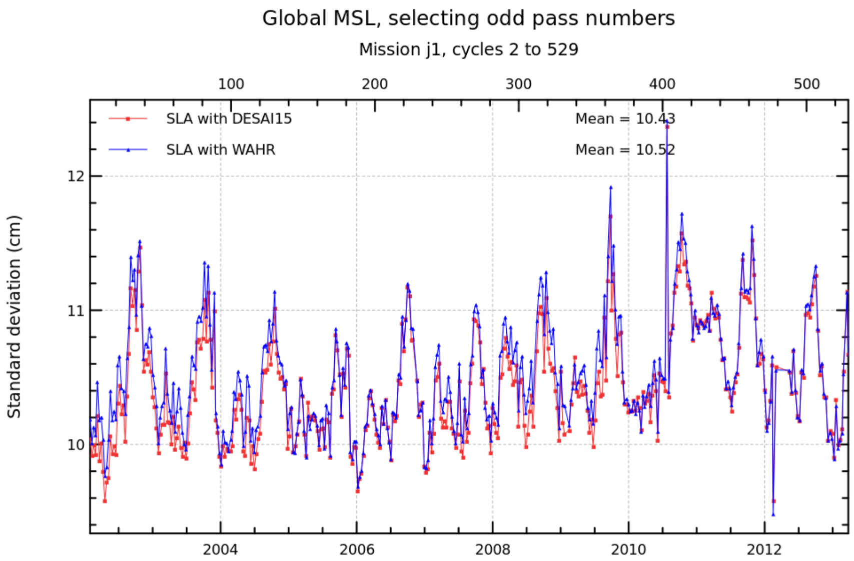
Diagnostic A201_f (mission j1)

Name : Temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The temporal evolution of SLA statistics (mean, standard deviation) are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in the SLA calculation. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements. They are calculated globally, but also separating ascending and descending passes, or separating North and South hemispheres.

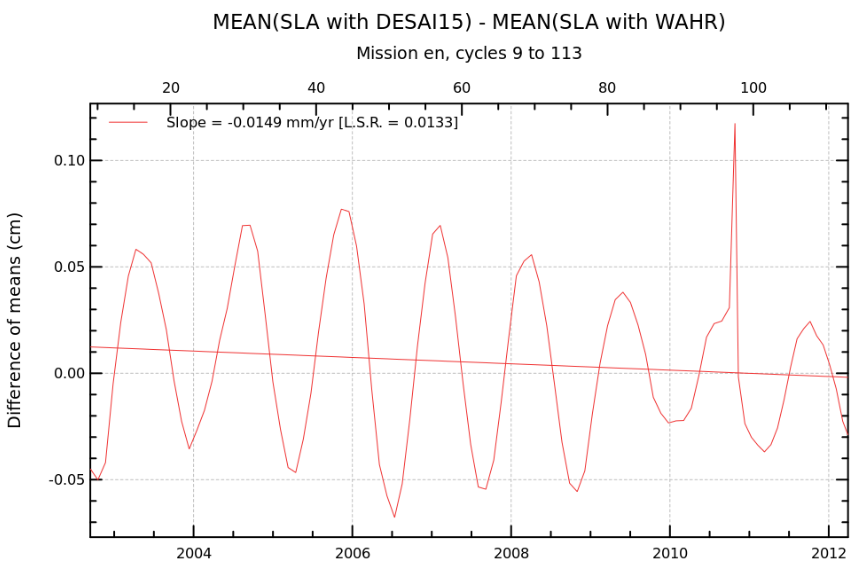


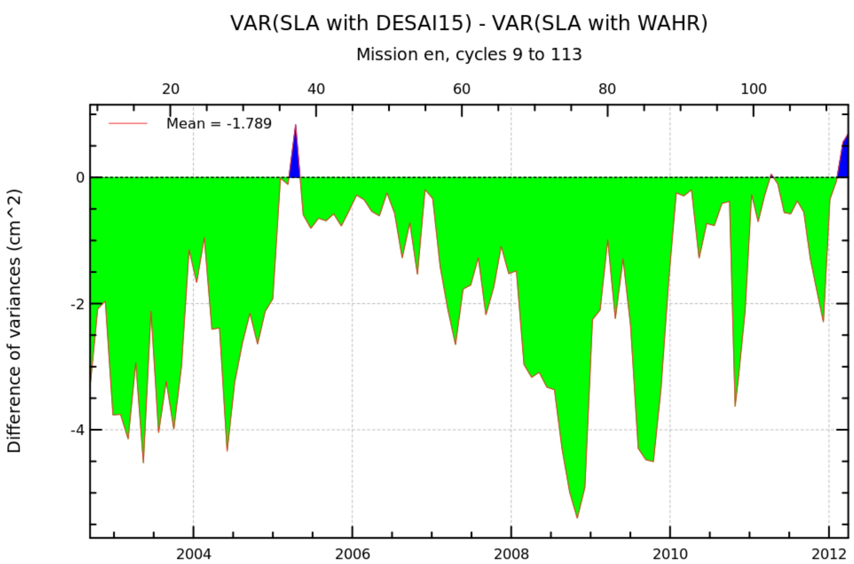


Diagnostic type : Mono-mission analyses

A202

Diagnostic type : Mono-mission analyses	Diagnostic A202_a (mission en)
	Name : Differences between temporal evolution of Sea Level Anomaly (SLA)
	Input data : Along track SLA
	Description : The differences between temporal evolution of SLA are calculated from statistics derived from diagnostic A201 (mean, variance) using 2 different components in the SLA calculation. They are calculated globally, but also separating ascending and descending passes or separating North and South hemispheres.





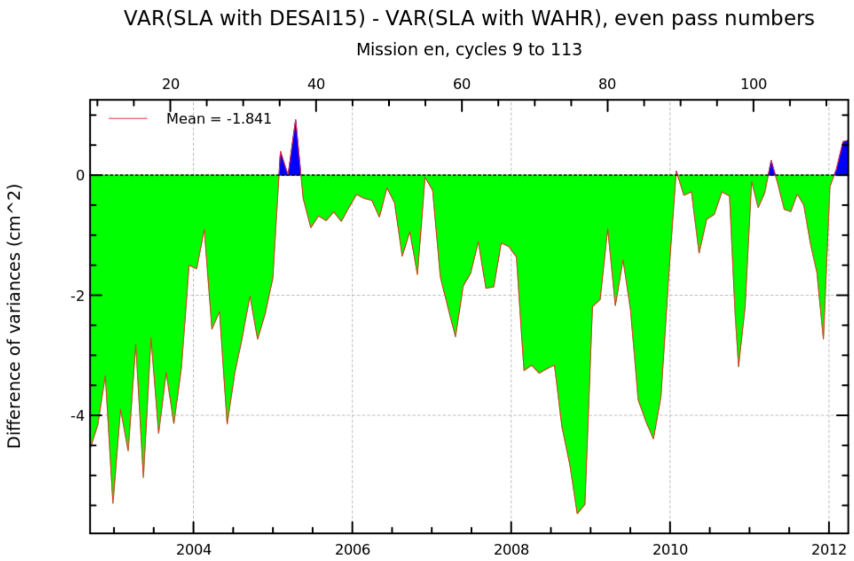
Diagnostic type : Mono-mission analyses

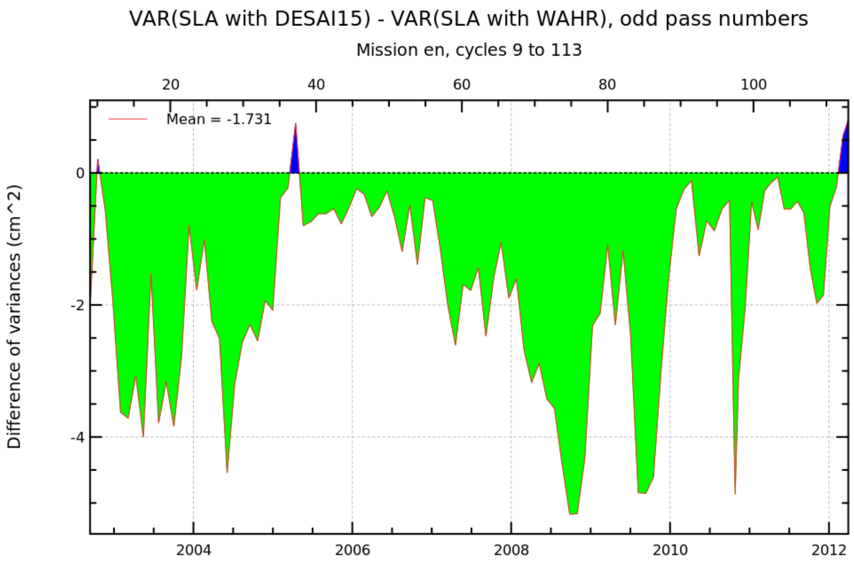
Diagnostic A202_b (mission en)

Name : Differences between temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The differences between temporal evolution of SLA are calculated from statistics derived from diagnostic A201 (mean, variance) using 2 different components in the SLA calculation. They are calculated globally, but also separating ascending and descending passes or separating North and South hemispheres.





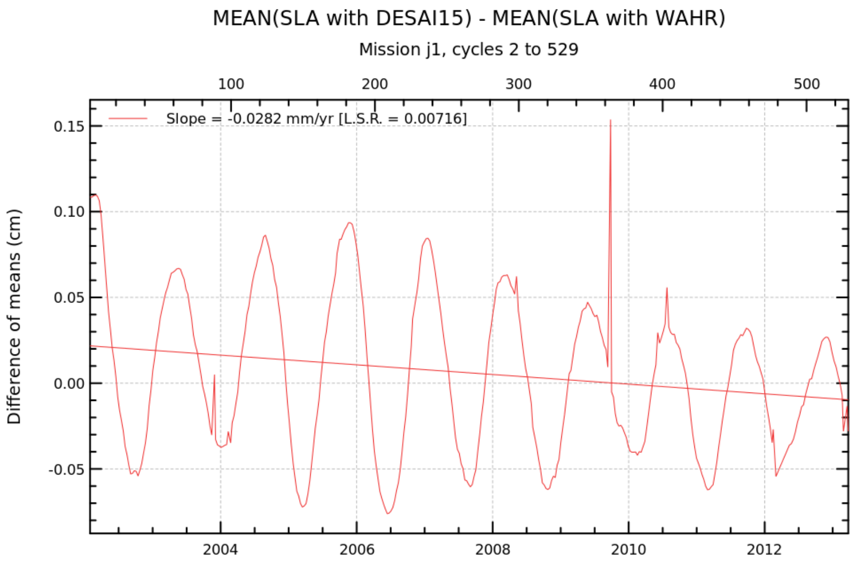
Diagnostic type : Mono-mission analyses

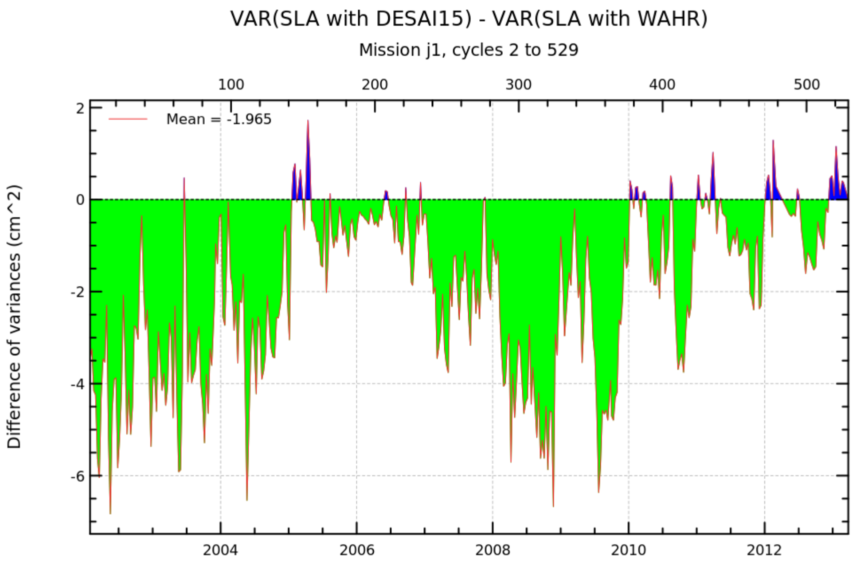
Diagnostic A202_a (mission j1)

Name : Differences between temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The differences between temporal evolution of SLA are calculated from statistics derived from diagnostic A201 (mean, variance) using 2 different components in the SLA calculation. They are calculated globally, but also separating ascending and descending passes or separating North and South hemispheres.





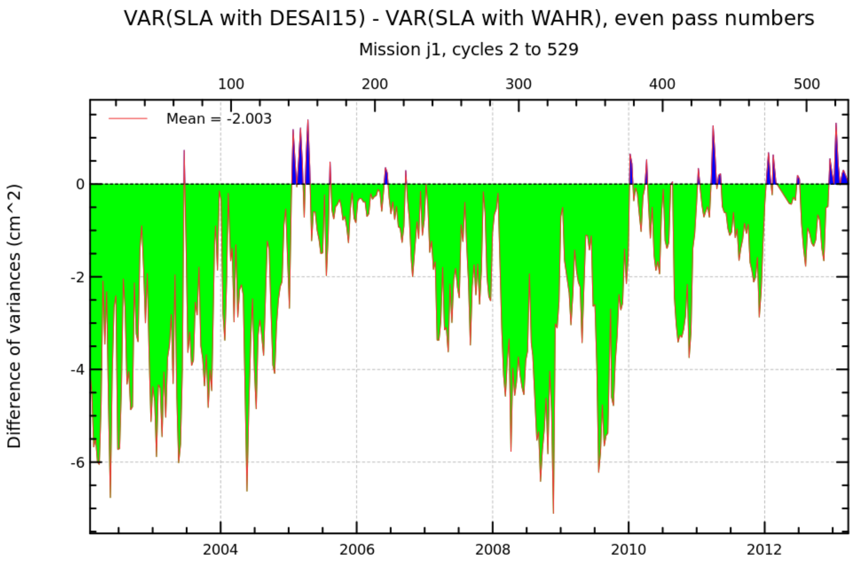
Diagnostic type : Mono-mission analyses

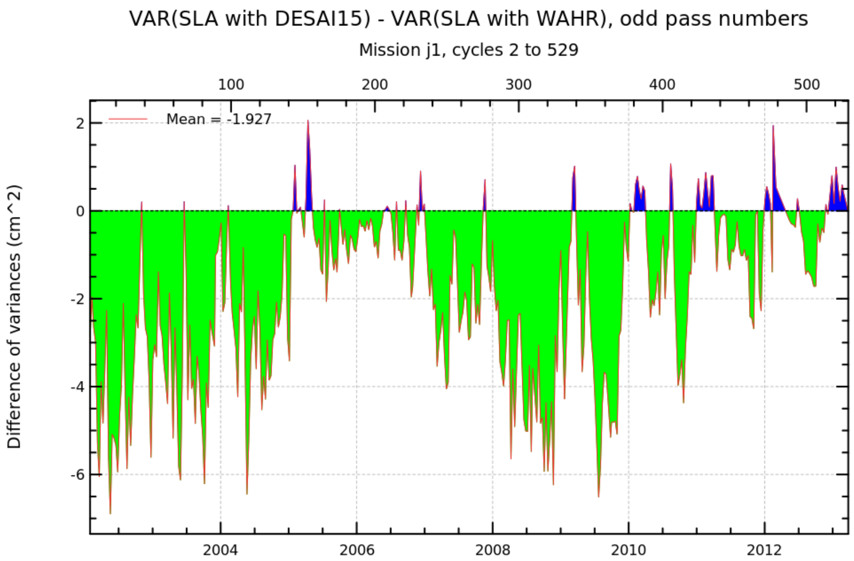
Diagnostic A202_b (mission j1)

Name : Differences between temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The differences between temporal evolution of SLA are calculated from statistics derived from diagnostic A201 (mean, variance) using 2 different components in the SLA calculation. They are calculated globally, but also separating ascending and descending passes or separating North and South hemispheres.





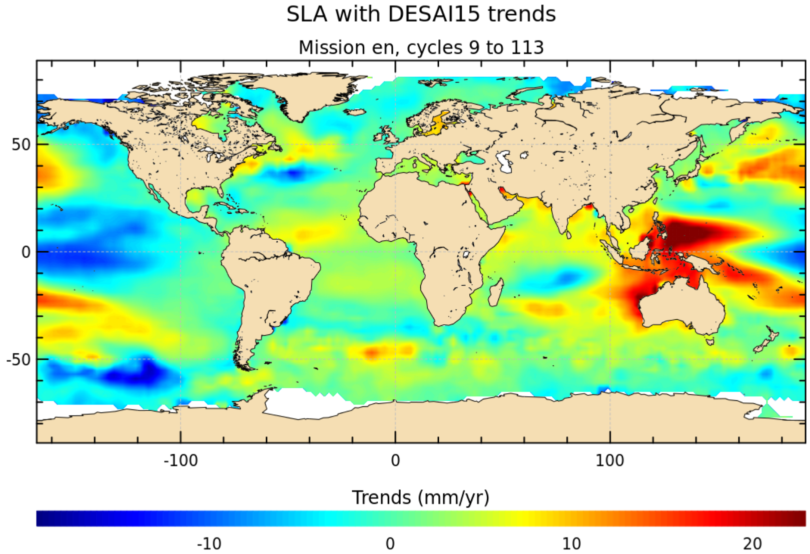
Diagnostic type : Mono-mission analyses

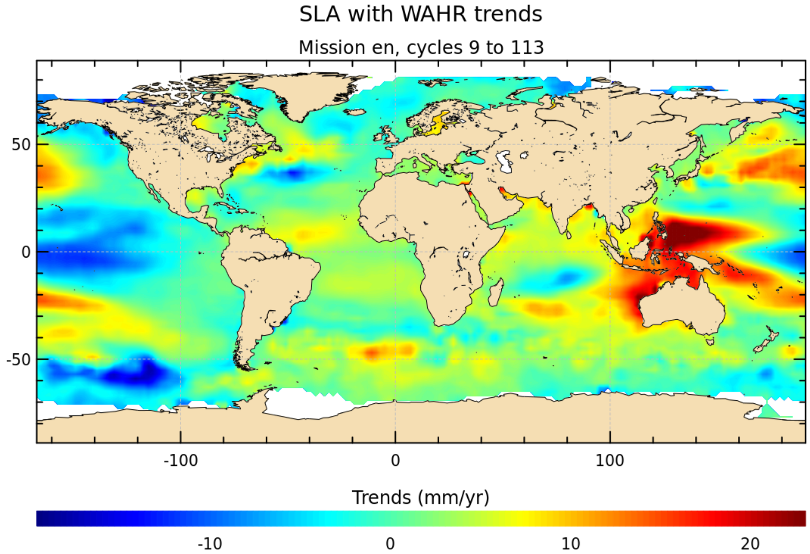
Diagnostic A203_a (mission en)

Name : Map of Sea Level Anomaly (SLA) over all the period

Input data : Along track SLA

Description : The map of global statistics (mean, standard deviation) of SLA are calculated using successively both altimetric components in the SLA calculation over a large period. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements.



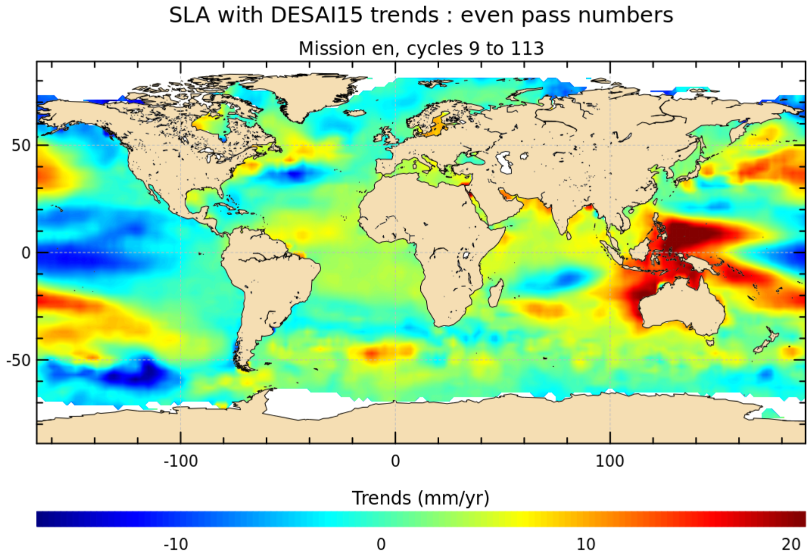


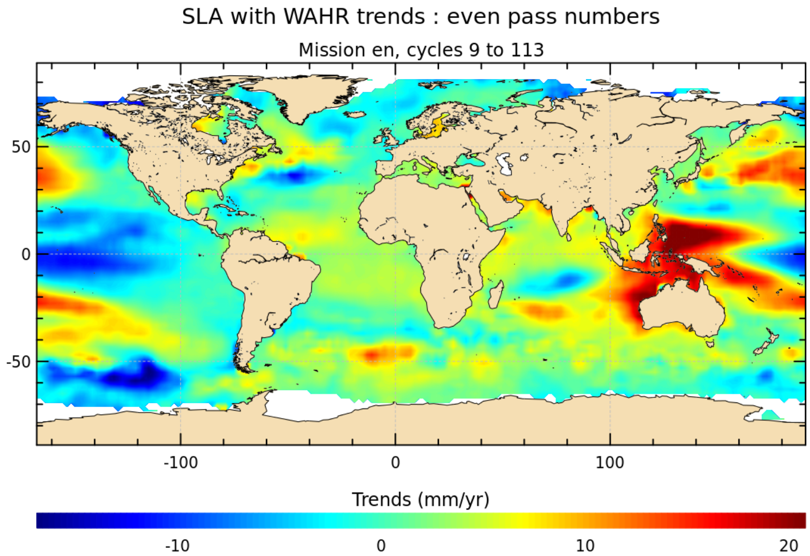
Diagnostic A203_b (mission en)

Name : Map of Sea Level Anomaly (SLA) over all the period

Input data : Along track SLA

Description : The map of global statistics (mean, standard deviation) of SLA are calculated using successively both altimetric components in the SLA calculation over a large period. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements.





Diagnostic type : Mono-mission analyses

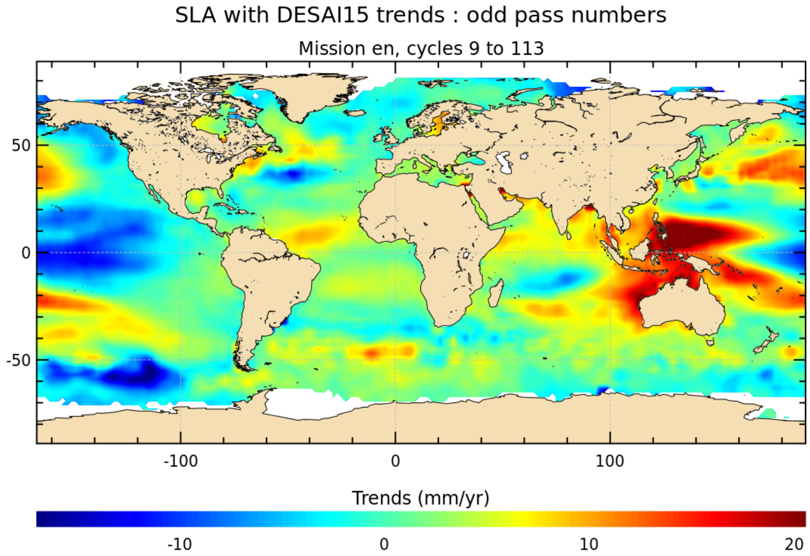
Diagnostic type : Mono-mission analyses

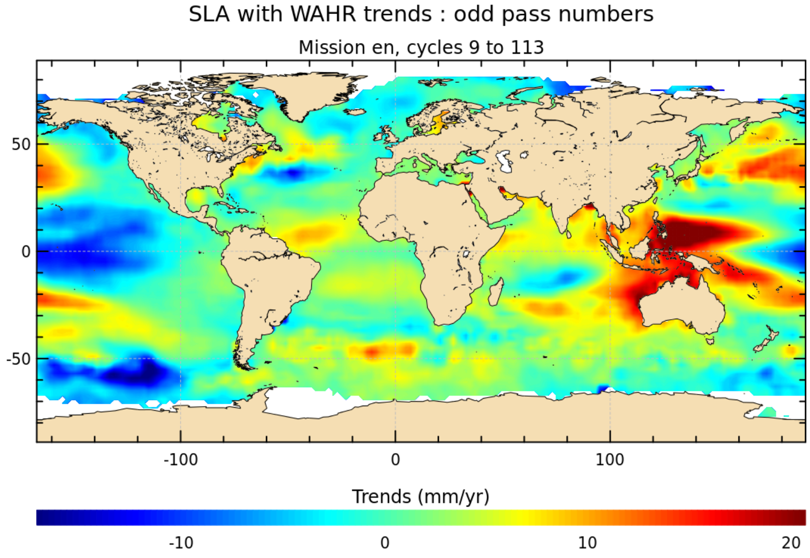
Diagnostic A203_c (mission en)

Name : Map of Sea Level Anomaly (SLA) over all the period

Input data : Along track SLA

Description : The map of global statistics (mean, standard deviation) of SLA are calculated using successively both altimetric components in the SLA calculation over a large period. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements.





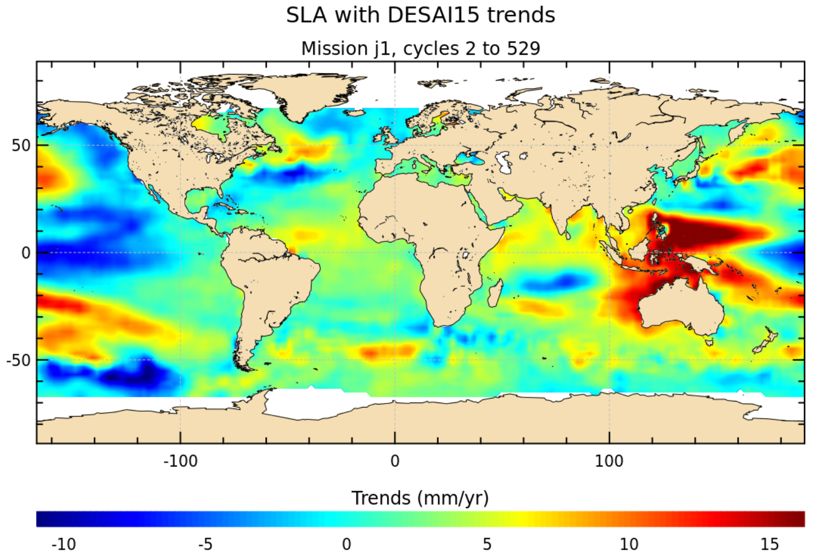
Diagnostic type : Mono-mission analyses

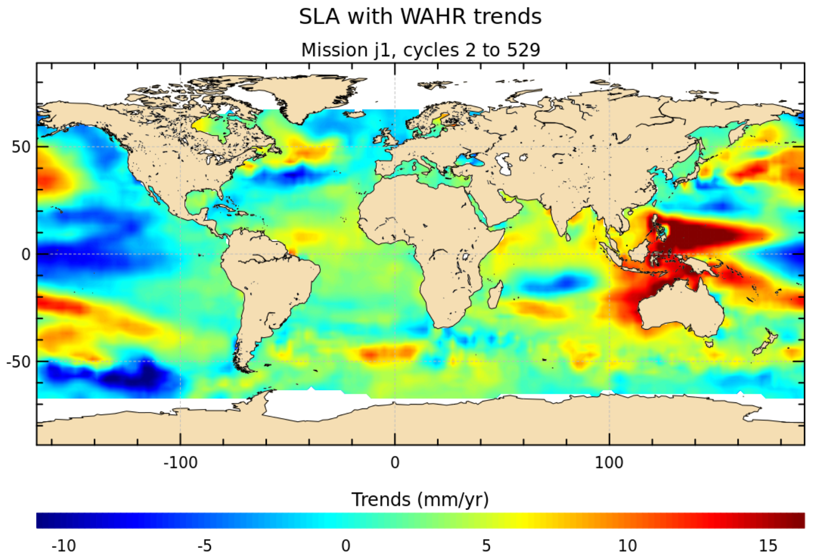
Diagnostic A203_a (mission j1)

Name : Map of Sea Level Anomaly (SLA) over all the period

Input data : Along track SLA

Description : The map of global statistics (mean, standard deviation) of SLA are calculated using successively both altimetric components in the SLA calculation over a large period. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements.



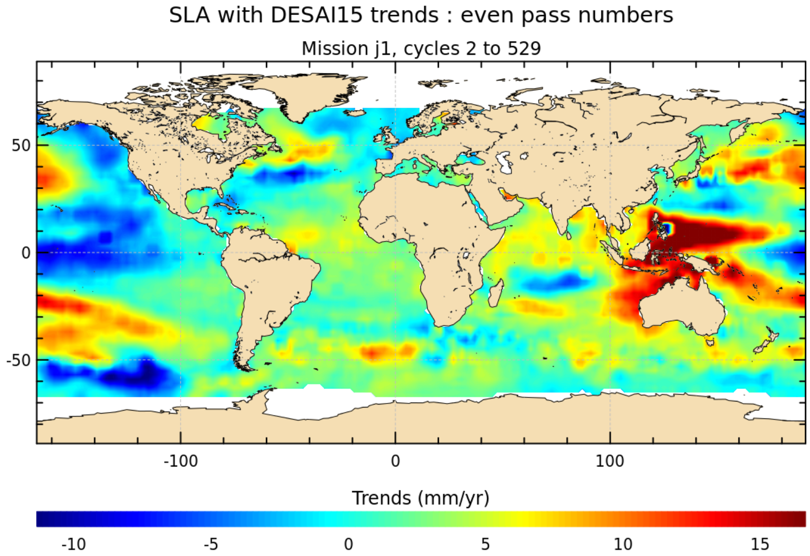


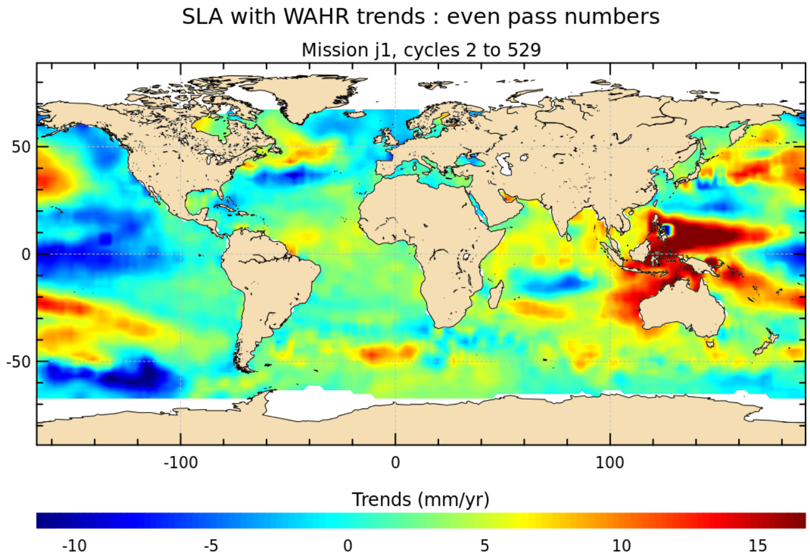
Diagnostic A203_b (mission j1)

Name : Map of Sea Level Anomaly (SLA) over all the period

Input data : Along track SLA

Description : The map of global statistics (mean, standard deviation) of SLA are calculated using successively both altimetric components in the SLA calculation over a large period. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements.





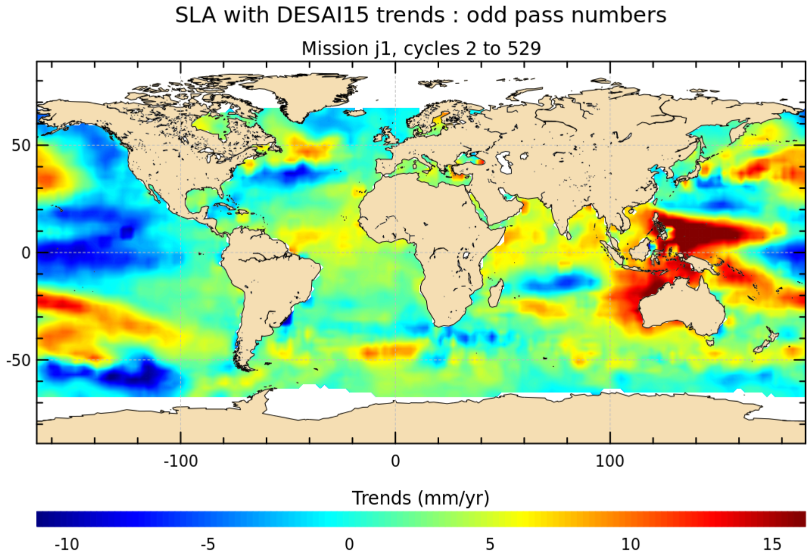
Diagnostic type : Mono-mission analyses

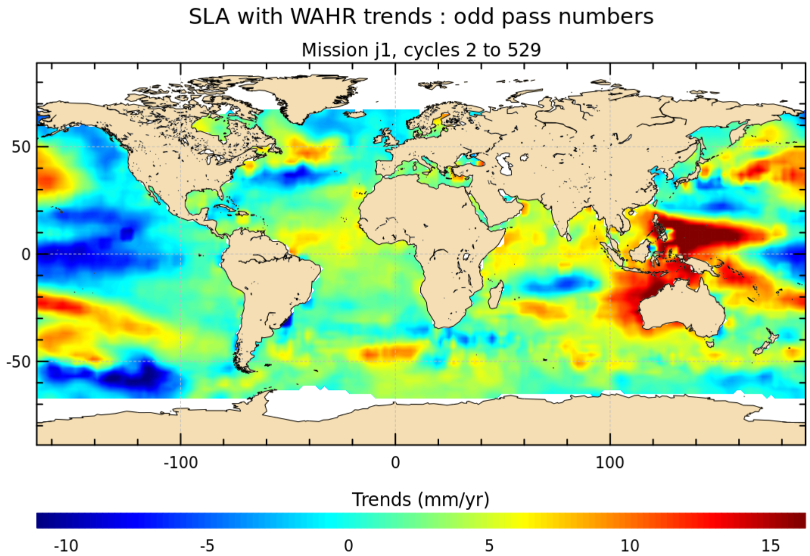
Diagnostic A203_c (mission j1)

Name : Map of Sea Level Anomaly (SLA) over all the period

Input data : Along track SLA

Description : The map of global statistics (mean, standard deviation) of SLA are calculated using successively both altimetric components in the SLA calculation over a large period. These statistics are calculated from 1 Hz altimetric measurements after removing spurious sea level measurements.





Diagnostic type : Mono-mission analyses

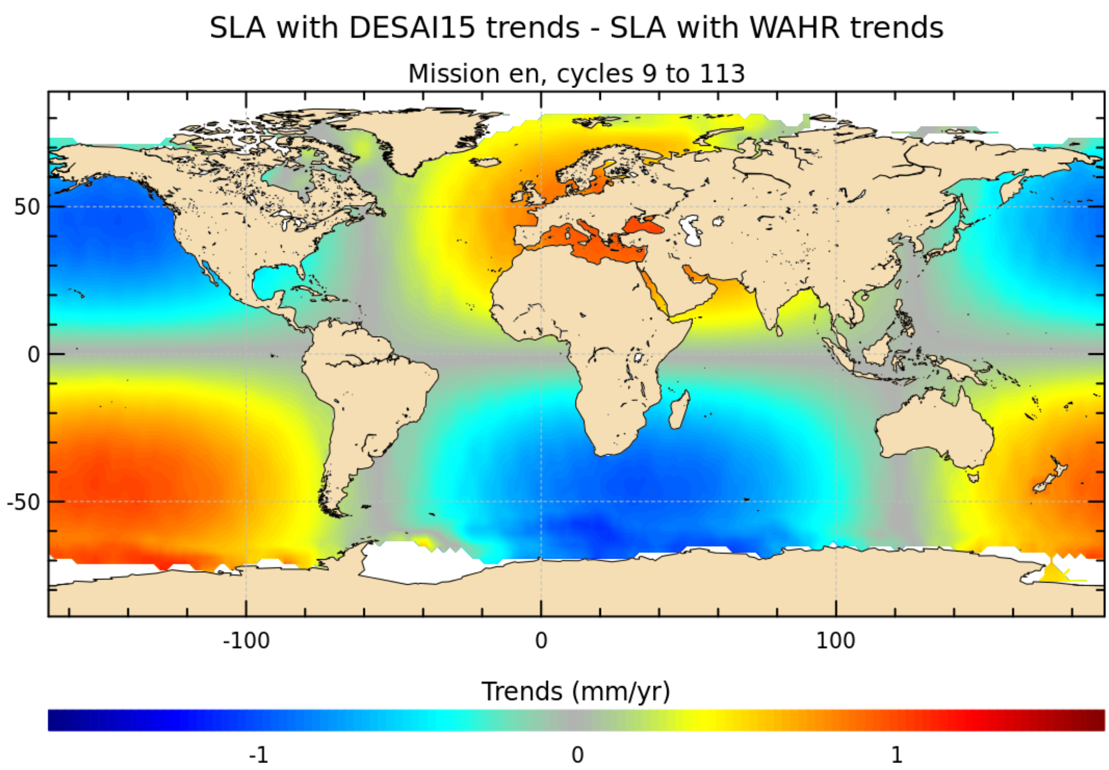
Diagnostic type : Mono-mission analyses

Diagnostic A204_a (mission en)

Name : Differences between maps of SLA trends

Input data : Along track SLA

Description : The difference of SLA maps (mean, standard deviation, slope) is calculated from maps derived from diagnostic A203 using successively both altimetric components in the SLA calculation over a given period. This can be done globally, or separating in ascending and descending passes (except for SLA Grids).

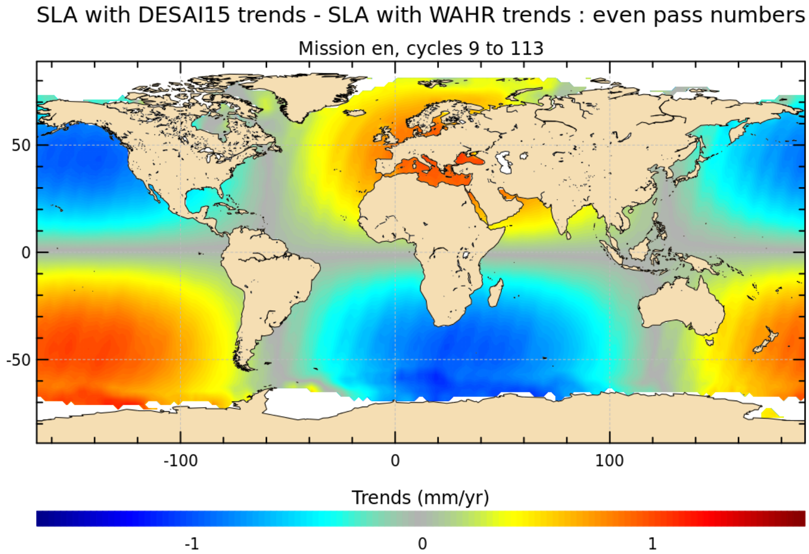


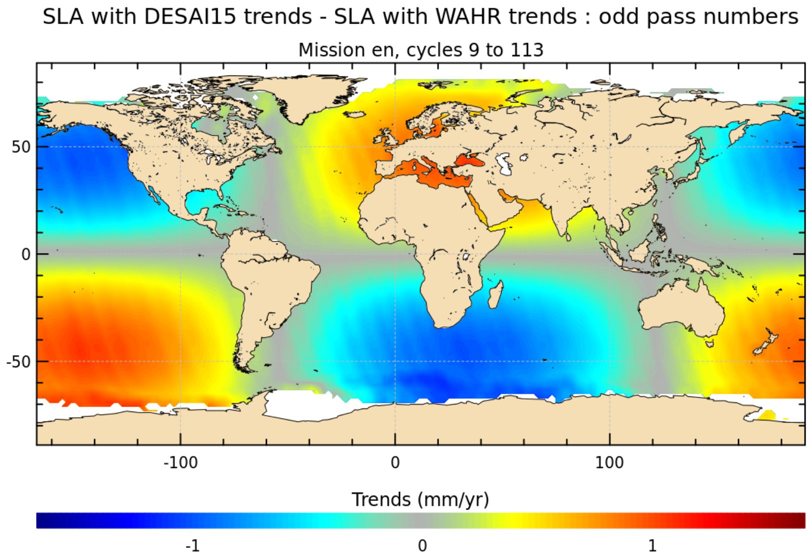
Diagnostic A204_b (mission en)

Name : Differences between maps of SLA trends

Input data : Along track SLA

Description : The difference of SLA maps (mean, standard deviation, slope) is calculated from maps derived from diagnostic A203 using successively both altimetric components in the SLA calculation over a given period. This can be done globally, or separating in ascending and descending passes (except for SLA Grids).





Diagnostic type : Mono-mission analyses

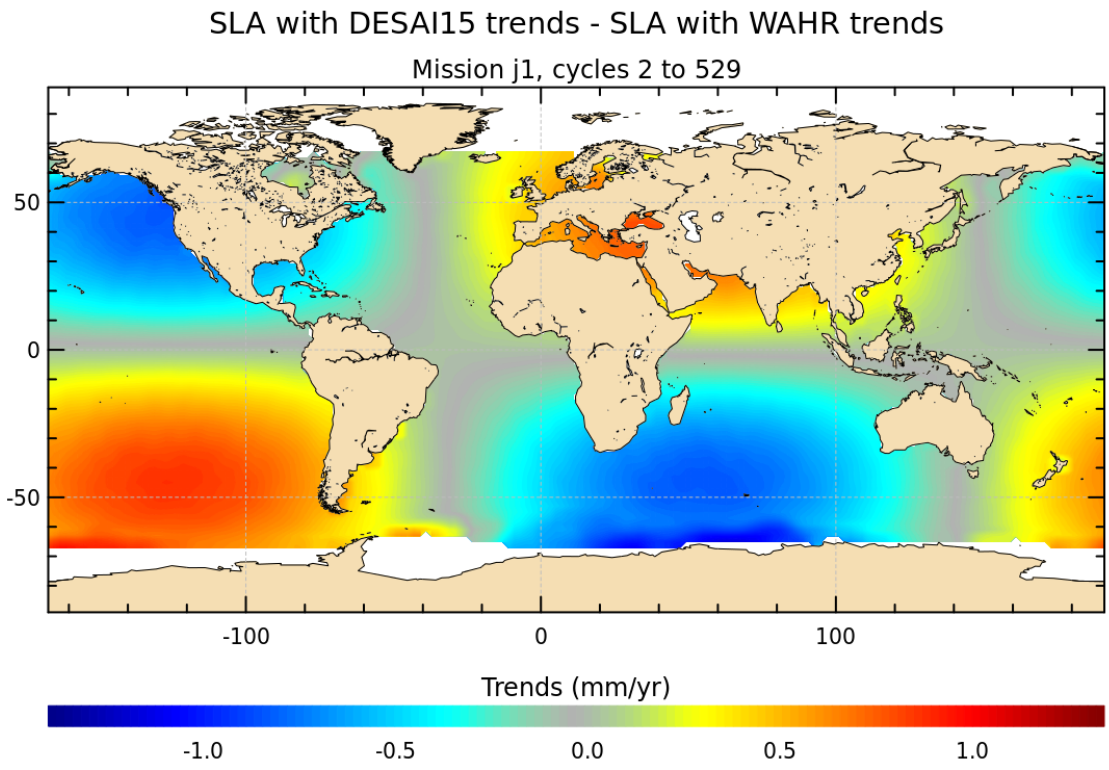
Diagnostic type : Mono-mission analyses

Diagnostic A204_a (mission j1)

Name : Differences between maps of SLA trends

Input data : Along track SLA

Description : The difference of SLA maps (mean, standard deviation, slope) is calculated from maps derived from diagnostic A203 using successively both altimetric components in the SLA calculation over a given period. This can be done globally, or separating in ascending and descending passes (except for SLA Grids).

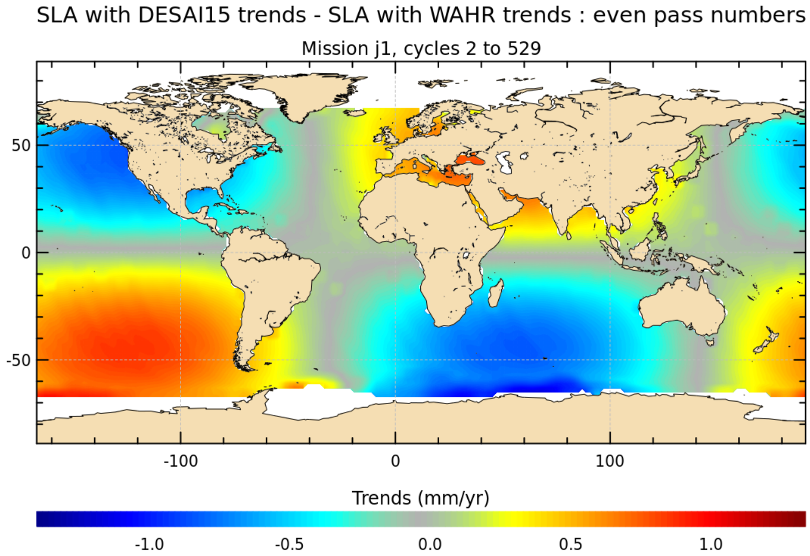


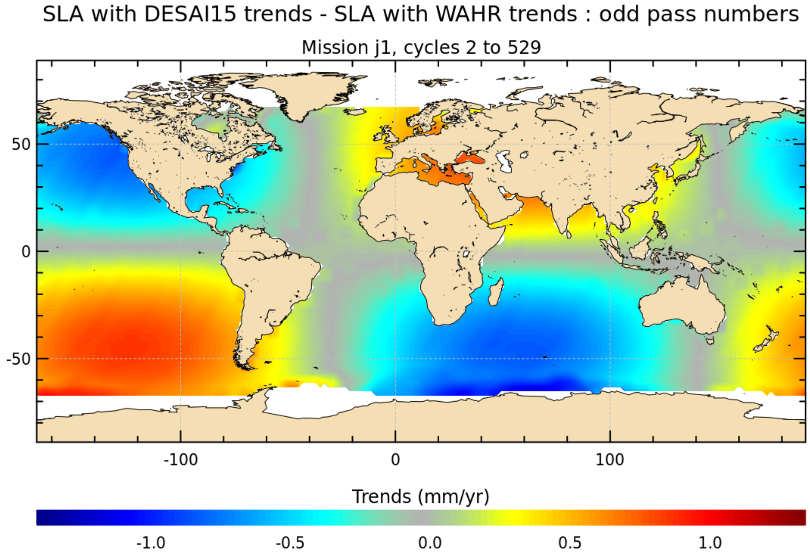
Diagnostic A204_b (mission j1)

Name : Differences between maps of SLA trends

Input data : Along track SLA

Description : The difference of SLA maps (mean, standard deviation, slope) is calculated from maps derived from diagnostic A203 using successively both altimetric components in the SLA calculation over a given period. This can be done globally, or separating in ascending and descending passes (except for SLA Grids).





Diagnostic type : Mono-mission analyses

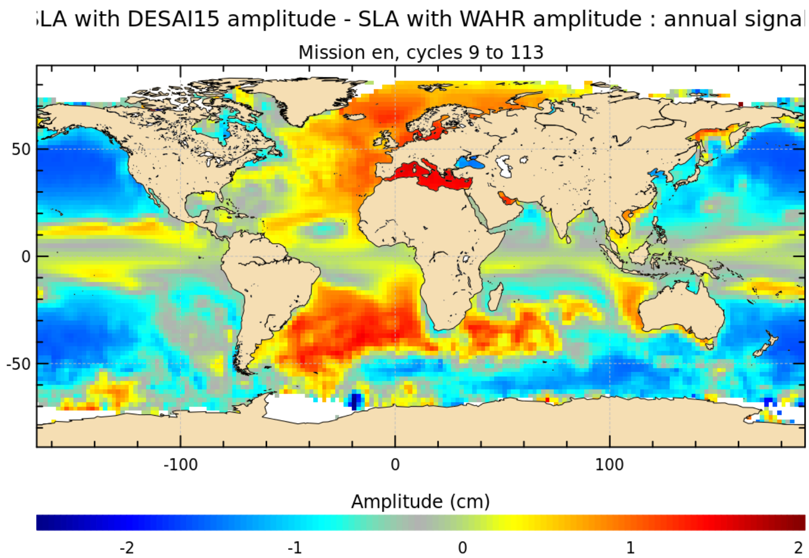
Diagnostic type : Mono-mission analyses

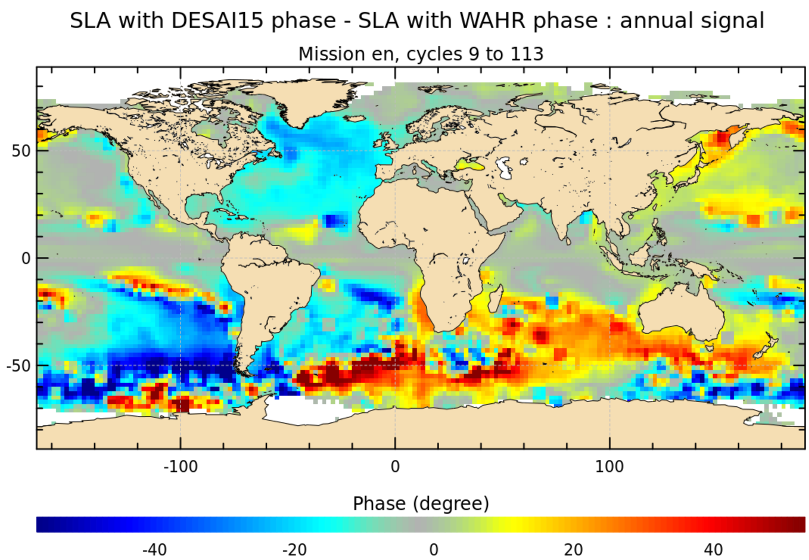
Diagnostic A205_a (mission en)

Name : Differences between maps of SLA amplitude and phase

Input data : Along track SLA

Description : The difference of SLA maps (mean, standard deviation, slope) is calculated from maps derived from diagnostic A203 using successively both altimetric components in the SLA calculation over a given period. This can be done globally, or separating in ascending and descending passes (except for SLA Grids).



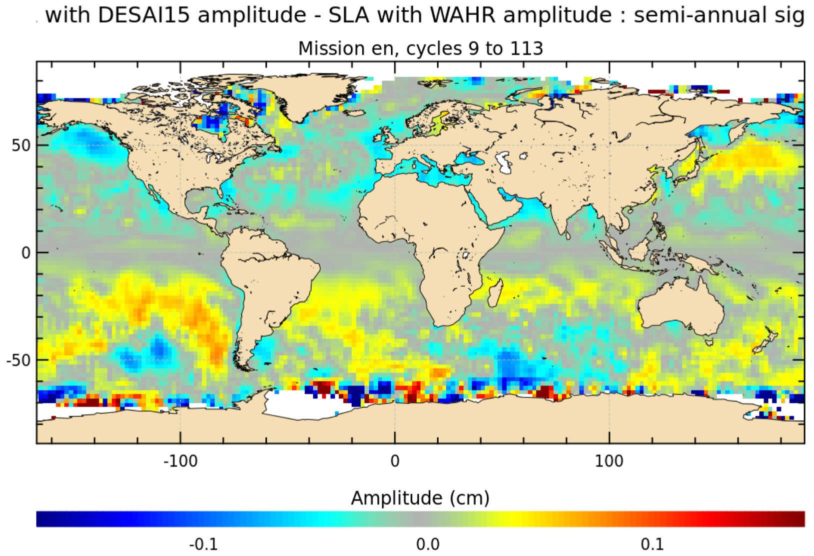


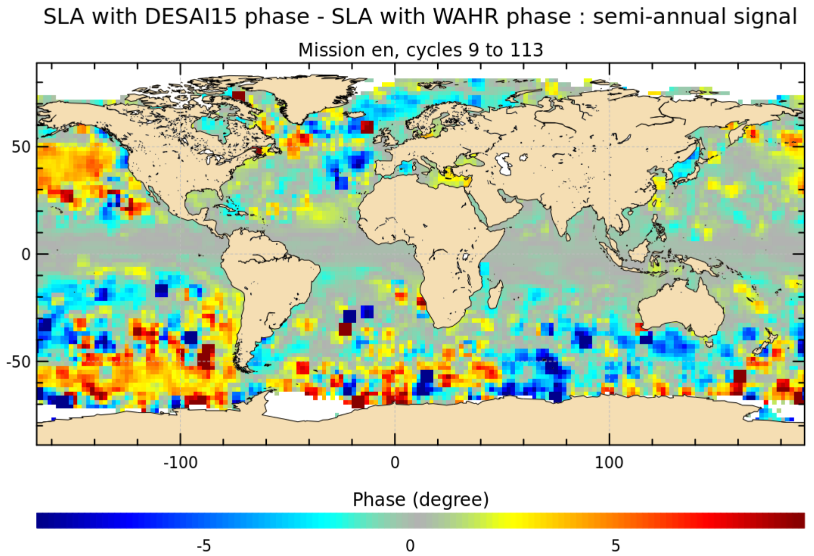
Diagnostic A205_b (mission en)

Name : Differences between maps of SLA amplitude and phase

Input data : Along track SLA

Description : The difference of SLA maps (mean, standard deviation, slope) is calculated from maps derived from diagnostic A203 using successively both altimetric components in the SLA calculation over a given period. This can be done globally, or separating in ascending and descending passes (except for SLA Grids).





Diagnostic type : Mono-mission analyses

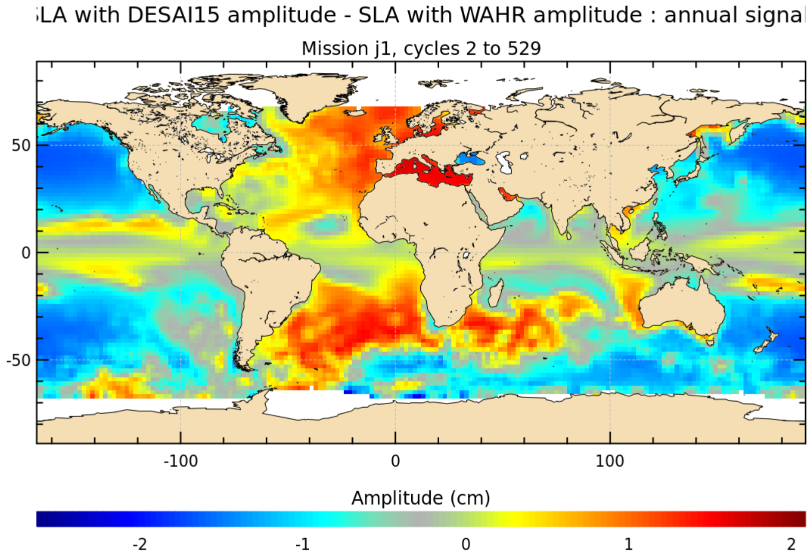
Diagnostic type : Mono-mission analyses

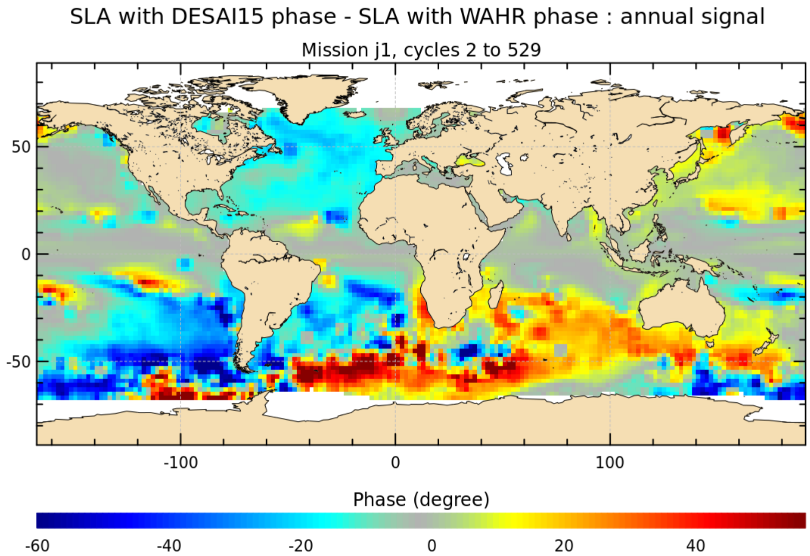
Diagnostic A205_a (mission j1)

Name : Differences between maps of SLA amplitude and phase

Input data : Along track SLA

Description : The difference of SLA maps (mean, standard deviation, slope) is calculated from maps derived from diagnostic A203 using successively both altimetric components in the SLA calculation over a given period. This can be done globally, or separating in ascending and descending passes (except for SLA Grids).



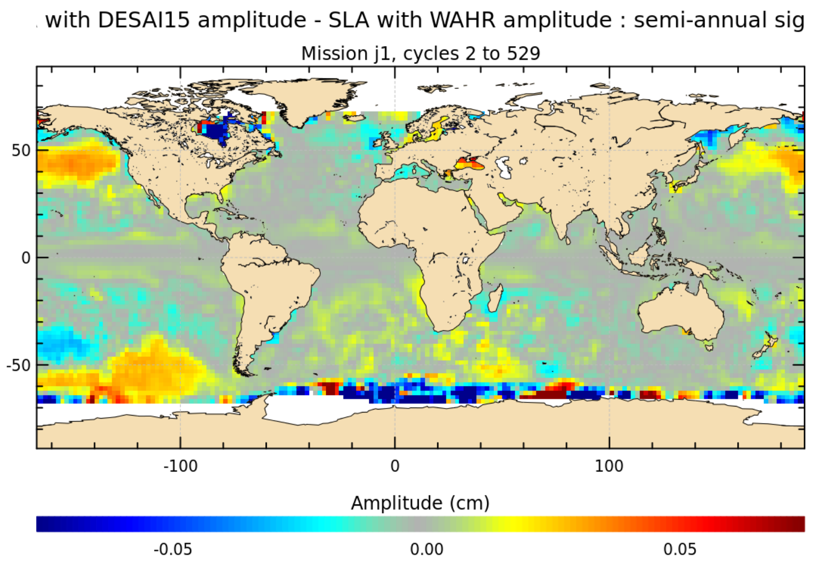


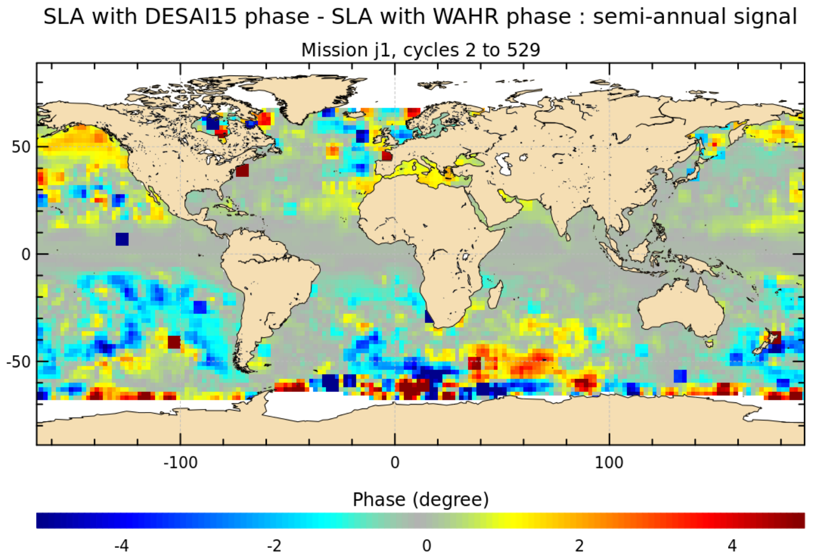
Diagnostic A205_b (mission j1)

Name : Differences between maps of SLA amplitude and phase

Input data : Along track SLA

Description : The difference of SLA maps (mean, standard deviation, slope) is calculated from maps derived from diagnostic A203 using successively both altimetric components in the SLA calculation over a given period. This can be done globally, or separating in ascending and descending passes (except for SLA Grids).





Diagnostic type : Mono-mission analyses

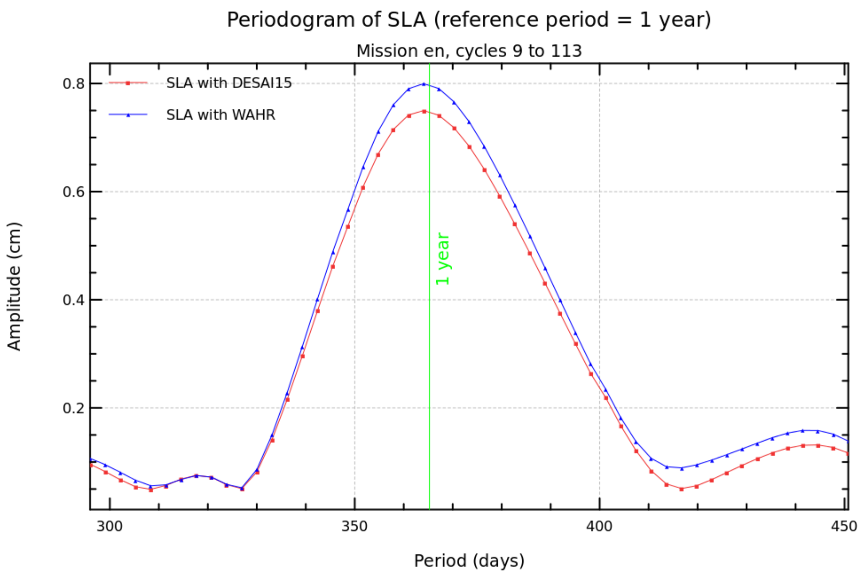
Diagnostic type : Mono-mission analyses

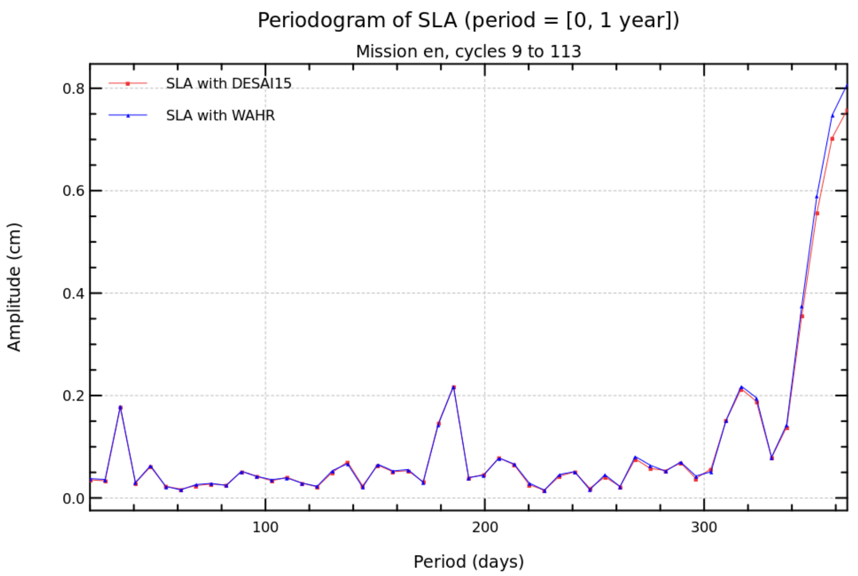
Diagnostic A206_a (mission en)

Name : Periodogram derived from temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The periodogram derived from temporal evolution of SLA (global, northern or southern hemisphere) can be done over all periods or focusing on particular periods, such as annual, semi annual or 60 day signal. Therefore mean of SLA differences are computed (every day or cycle), and time data series are plotted as a periodogram.



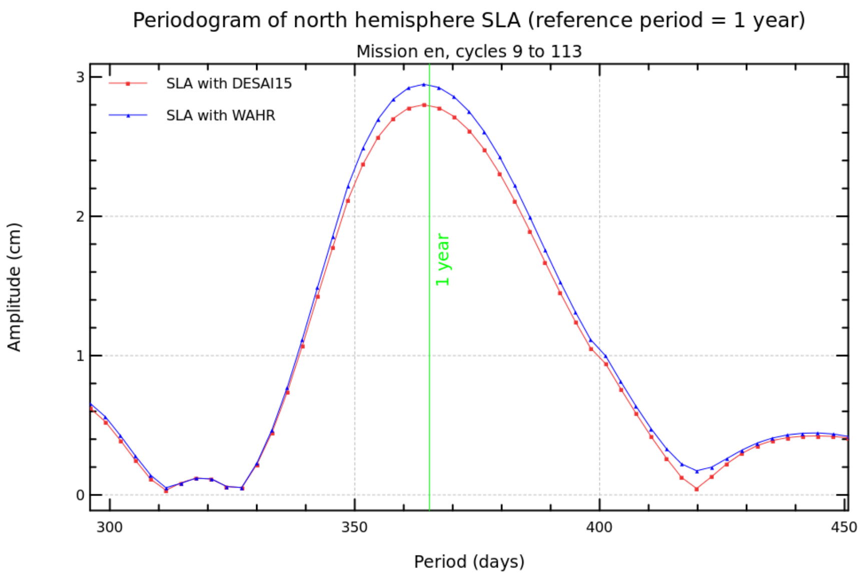


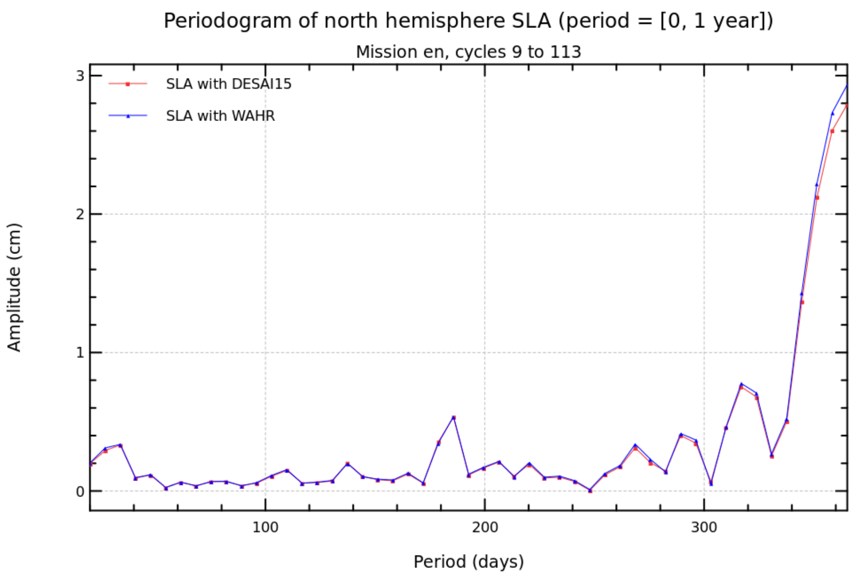
Diagnostic A206_b (mission en)

Name : Periodogram derived from temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The periodogram derived from temporal evolution of SLA (global, northern or southern hemisphere) can be done over all periods or focusing on particular periods, such as annual, semi annual or 60 day signal. Therefore mean of SLA differences are computed (every day or cycle), and time data series are plotted as a periodogram.





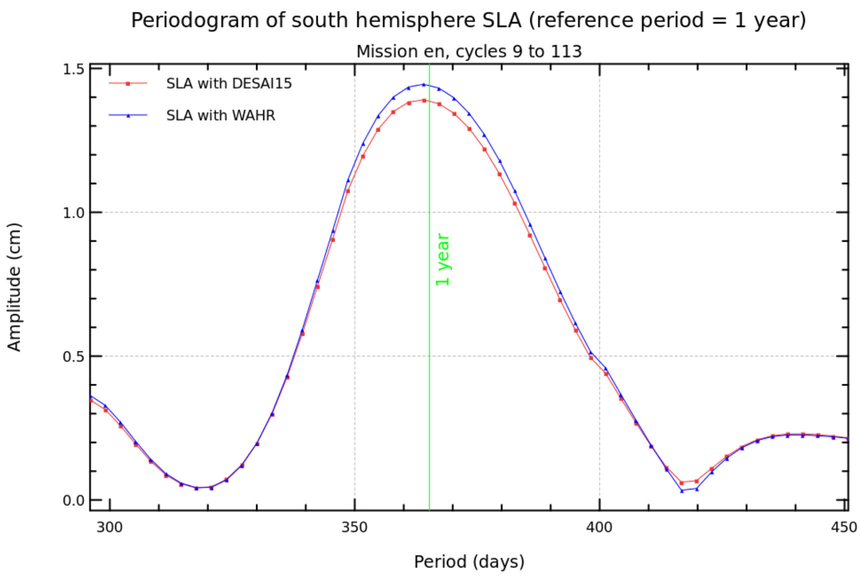
Diagnostic type : Mono-mission analyses

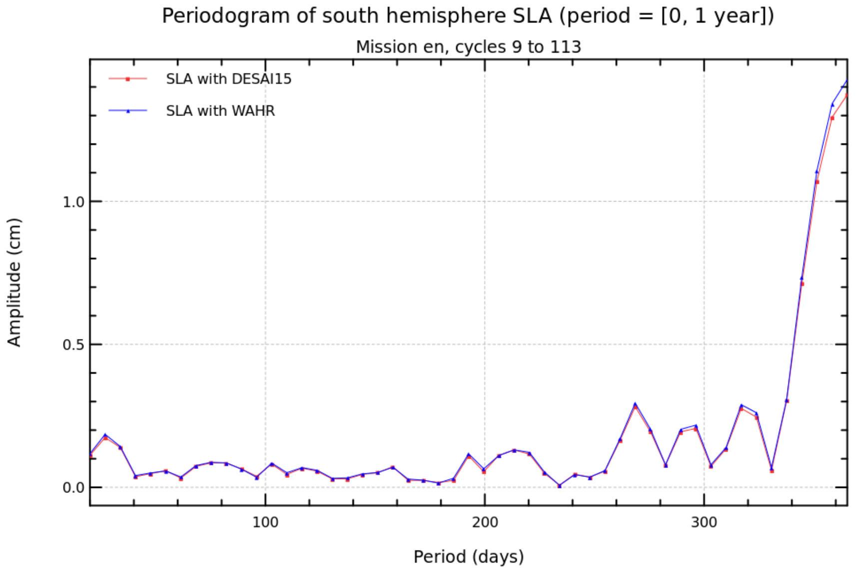
Diagnostic A206_c (mission en)

Name : Periodogram derived from temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The periodogram derived from temporal evolution of SLA (global, northern or southern hemisphere) can be done over all periods or focusing on particular periods, such as annual, semi annual or 60 day signal. Therefore mean of SLA differences are computed (every day or cycle), and time data series are plotted as a periodogram.





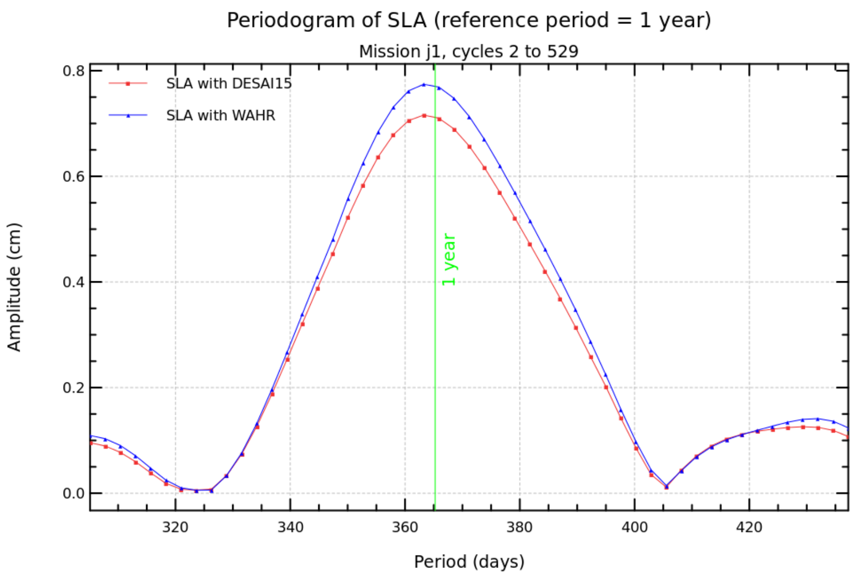
Diagnostic type : Mono-mission analyses

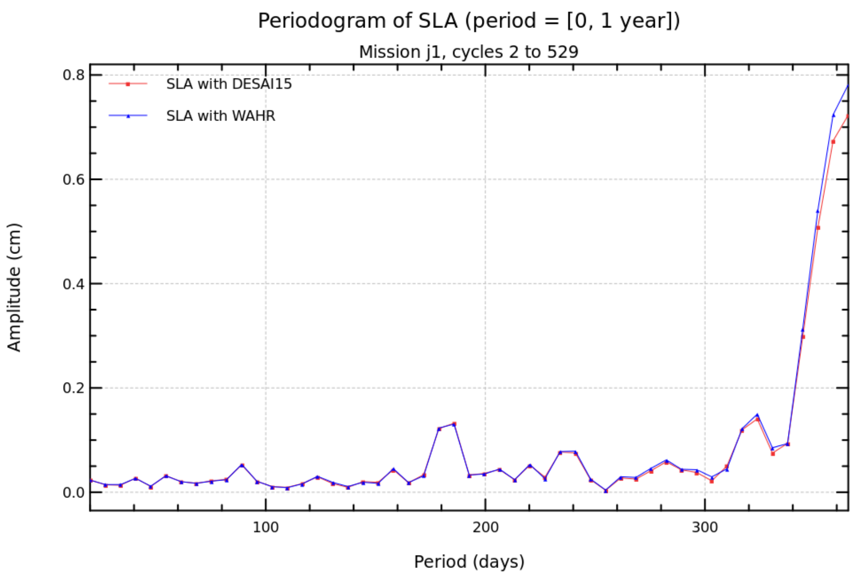
Diagnostic A206_a (mission j1)

Name : Periodogram derived from temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The periodogram derived from temporal evolution of SLA (global, northern or southern hemisphere) can be done over all periods or focusing on particular periods, such as annual, semi annual or 60 day signal. Therefore mean of SLA differences are computed (every day or cycle), and time data series are plotted as a periodogram.





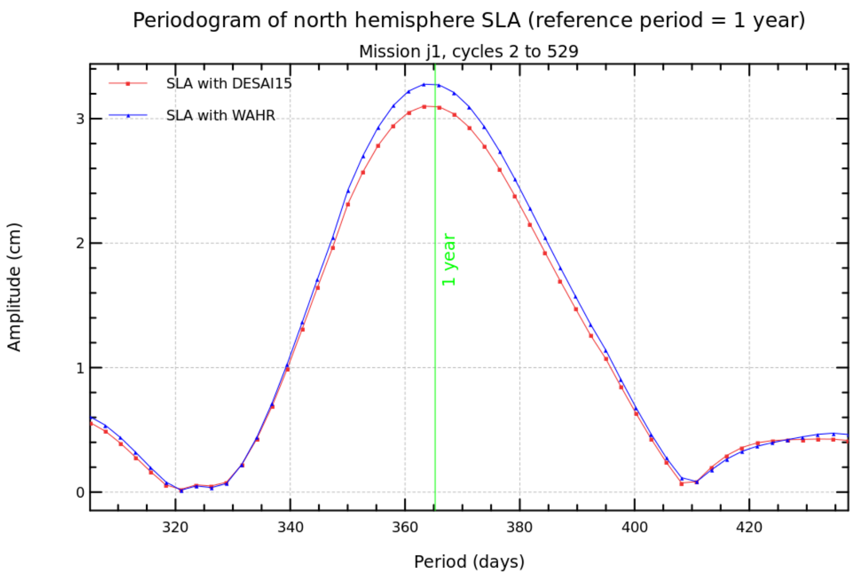
Diagnostic type : Mono-mission analyses

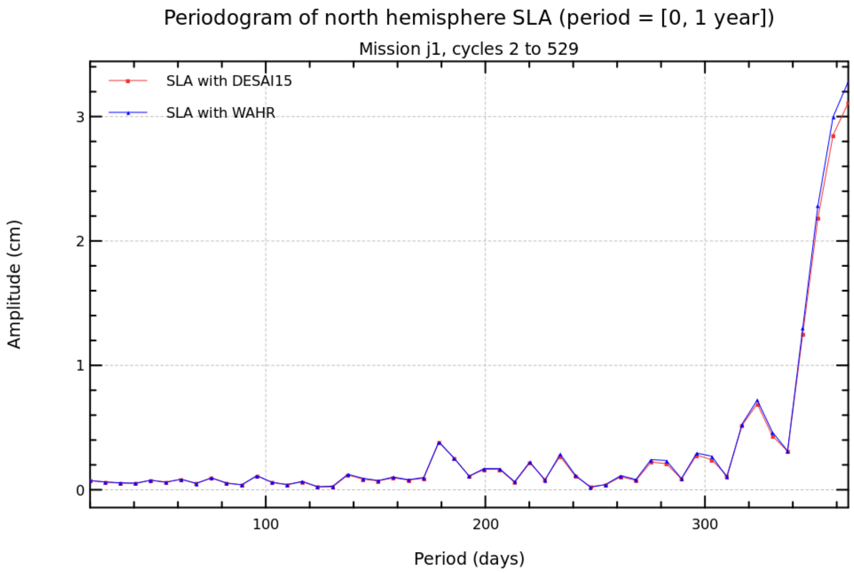
Diagnostic A206_b (mission j1)

Name : Periodogram derived from temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The periodogram derived from temporal evolution of SLA (global, northern or southern hemisphere) can be done over all periods or focusing on particular periods, such as annual, semi annual or 60 day signal. Therefore mean of SLA differences are computed (every day or cycle), and time data series are plotted as a periodogram.





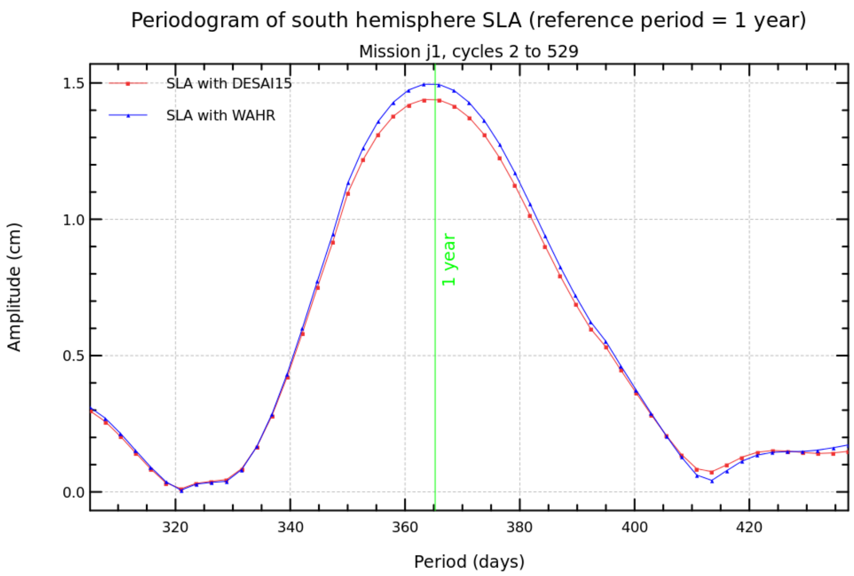
Diagnostic type : Mono-mission analyses

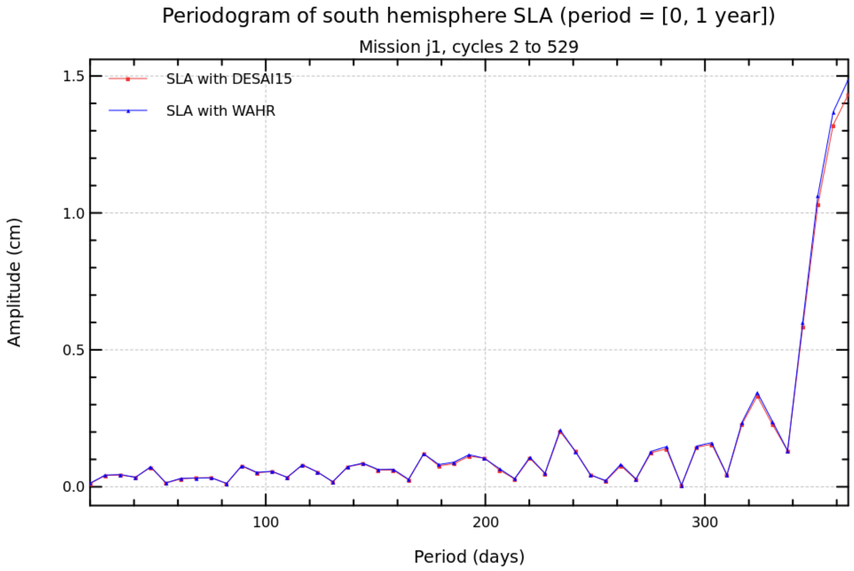
Diagnostic A206_c (mission j1)

Name : Periodogram derived from temporal evolution of Sea Level Anomaly (SLA)

Input data : Along track SLA

Description : The periodogram derived from temporal evolution of SLA (global, northern or southern hemisphere) can be done over all periods or focusing on particular periods, such as annual, semi annual or 60 day signal. Therefore mean of SLA differences are computed (every day or cycle), and time data series are plotted as a periodogram.





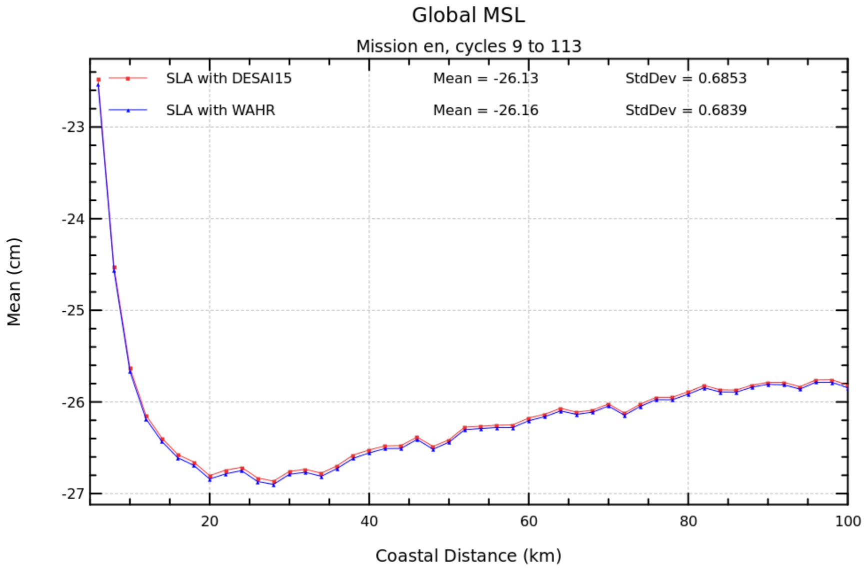
Diagnostic type : Mono-mission analyses

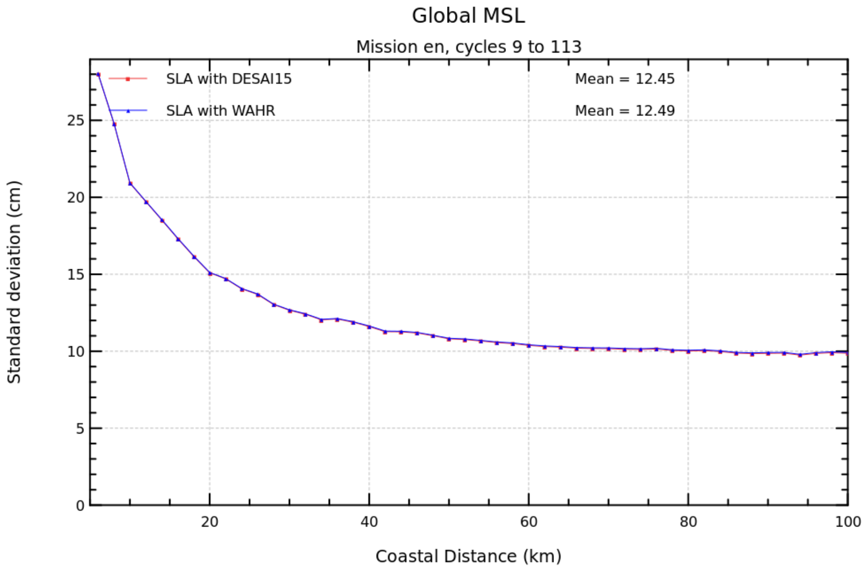
Diagnostic A207 (mission en)

Name : Sea Level Anomaly (SLA) versus coastal distance

Input data : Along track SLA

Description : Mean and standard deviation of SLA - computed by using successively both altimetric components - are plotted in function of coastal distances between 0 and 100 km.





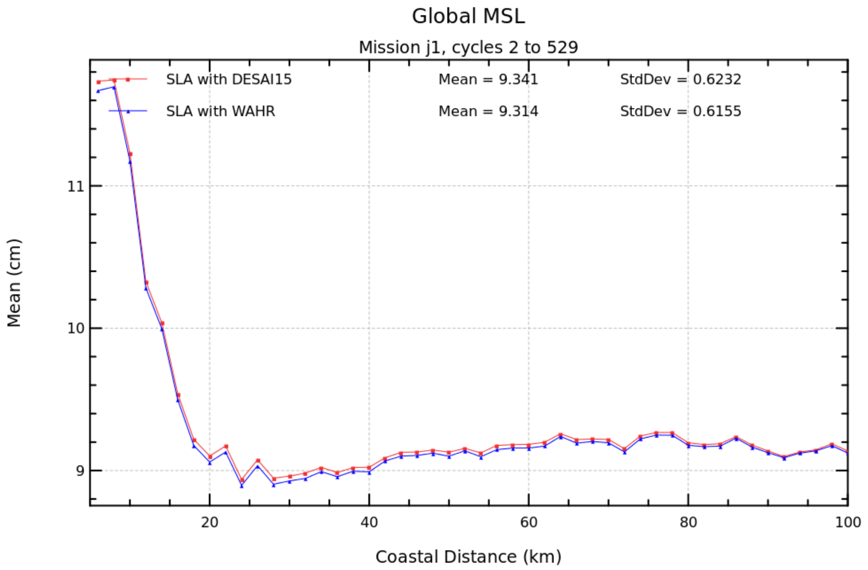
Diagnostic type : Mono-mission analyses

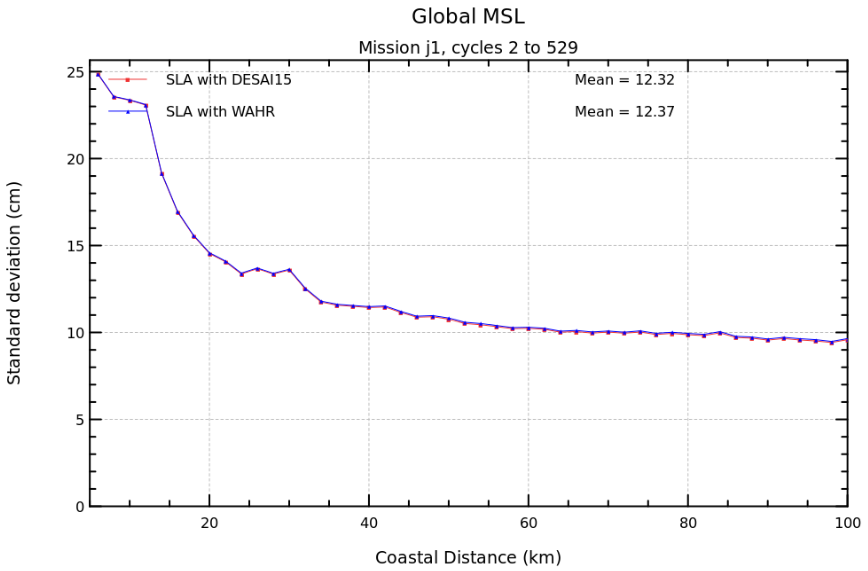
Diagnostic A207 (mission j1)

Name : Sea Level Anomaly (SLA) versus coastal distance

Input data : Along track SLA

Description : Mean and standard deviation of SLA - computed by using successively both altimetric components - are plotted in function of coastal distances between 0 and 100 km.





Diagnostic type : Mono-mission analyses

A208

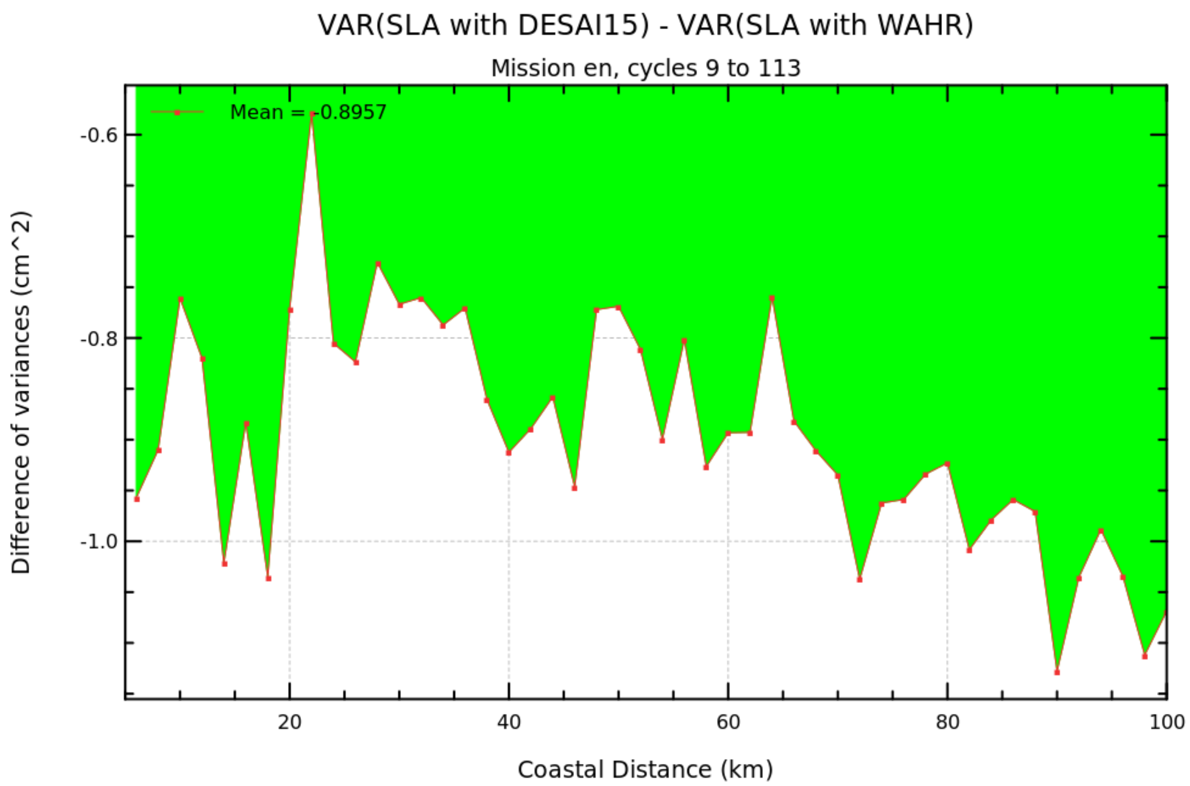
Diagnostic type : Mono-mission analyses

Diagnostic A208 (mission en)

Name : Sea Level Anomaly (SLA) differences versus coastal distance, latitude and longitude

Input data : Along track SLA

Description : The differences of SLA variances - computed by using successively both altimetric components - are plotted in function of coastal distances between 0 and 100 km, in function of latitudes and in function of longitudes.



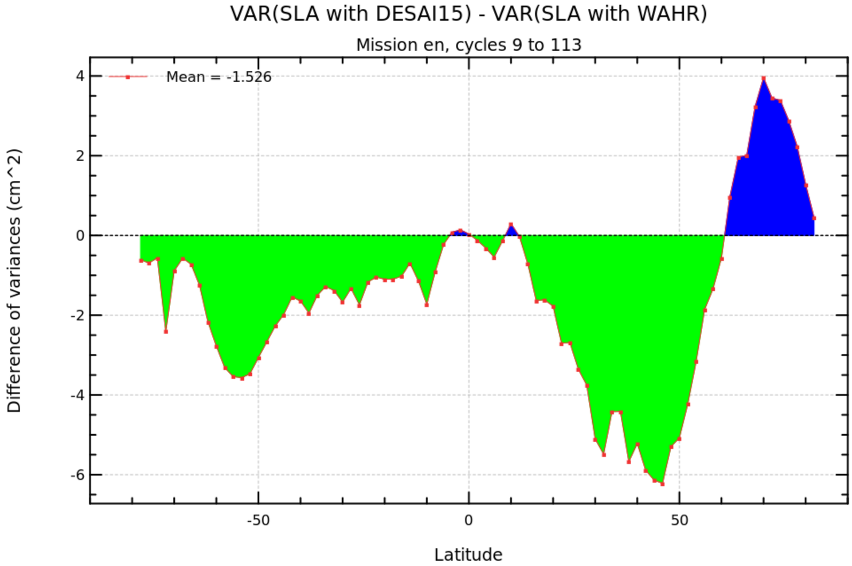
Diagnostic type : Mono-mission analyses

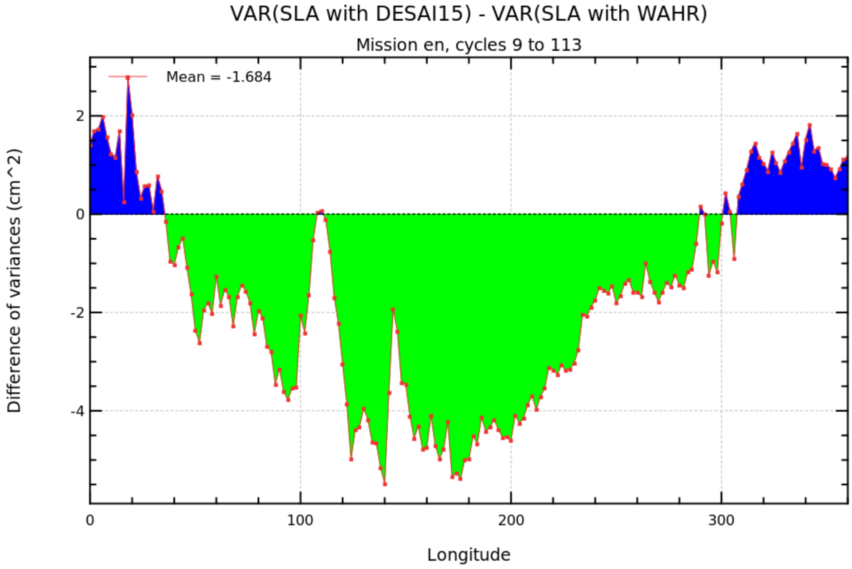
Diagnostic A208 (mission en)

Name : Sea Level Anomaly (SLA) differences versus coastal distance, latitude and longitude

Input data : Along track SLA

Description : The differences of SLA variances - computed by using successively both altimetric components - are plotted in function of coastal distances between 0 and 100 km, in function of latitudes and in function of longitudes.



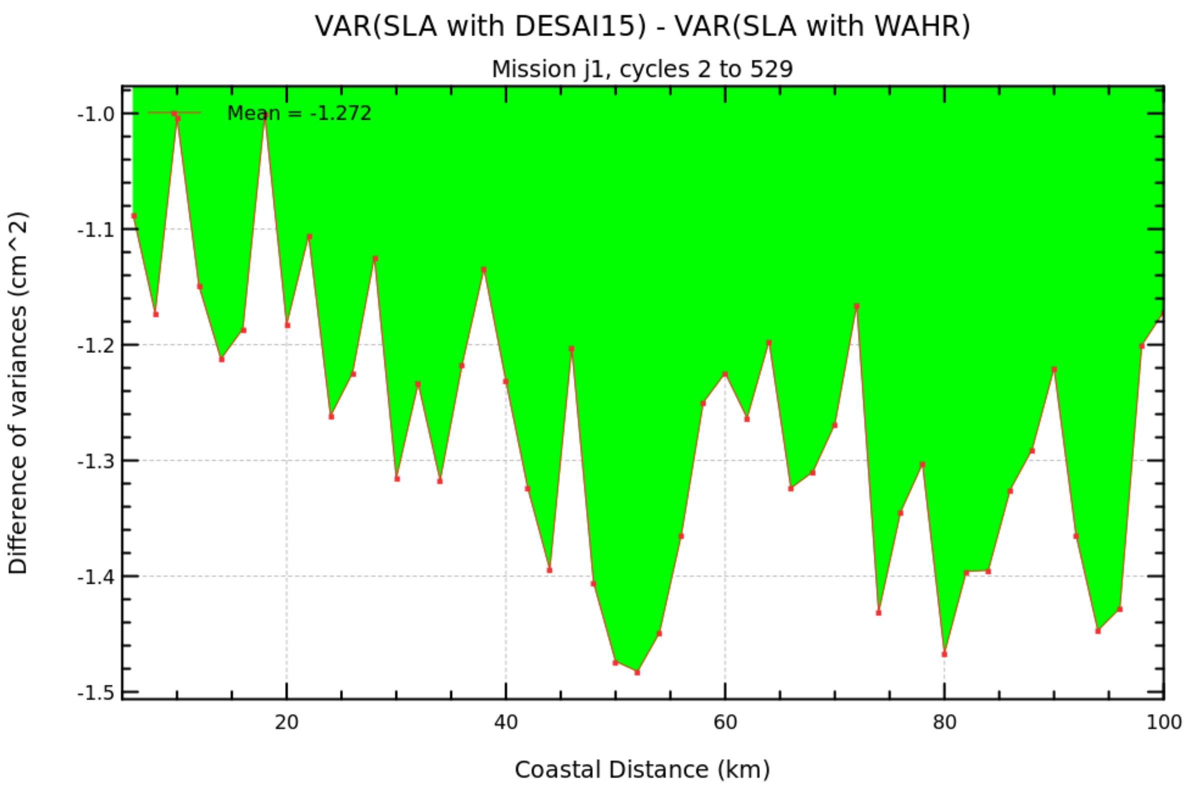


Diagnostic A208 (mission j1)

Name : Sea Level Anomaly (SLA) differences versus coastal distance, latitude and longitude

Input data : Along track SLA

Description : The differences of SLA variances - computed by using successively both altimetric components - are plotted in function of coastal distances between 0 and 100 km, in function of latitudes and in function of longitudes.



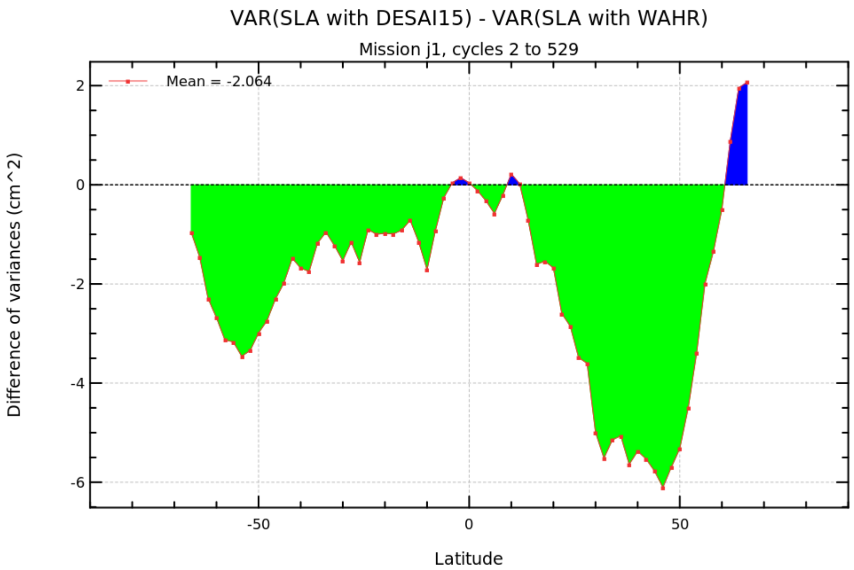
Diagnostic type : Mono-mission analyses

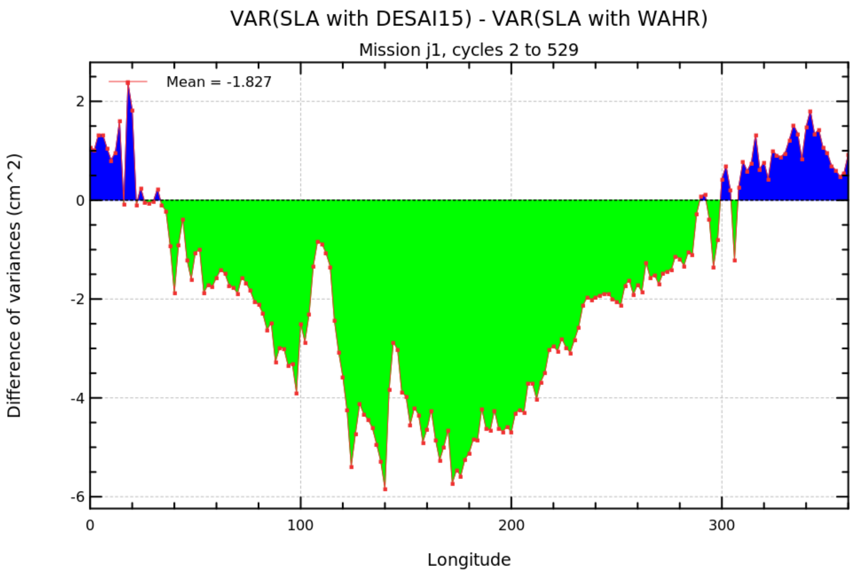
Diagnostic A208 (mission j1)

Name : Sea Level Anomaly (SLA) differences versus coastal distance, latitude and longitude

Input data : Along track SLA

Description : The differences of SLA variances - computed by using successively both altimetric components - are plotted in function of coastal distances between 0 and 100 km, in function of latitudes and in function of longitudes.





Diagnostic type : Mono-mission analyses

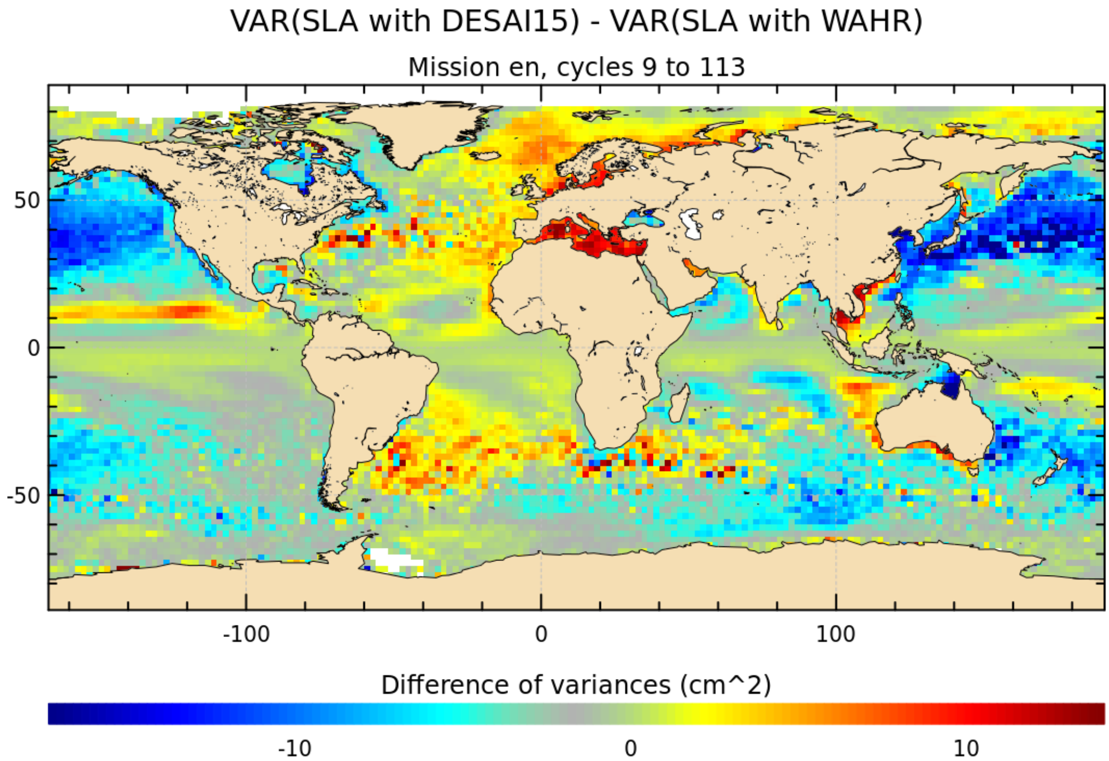
Diagnostic type : Mono-mission analyses

Diagnostic A209 (mission en)

Name : Differences between maps of SLA variance

Input data : Along track SLA

Description : The differences between maps of SLA are calculated from the SLA differences (mean, standard deviation) using successively both altimetric components in the SLA calculation.

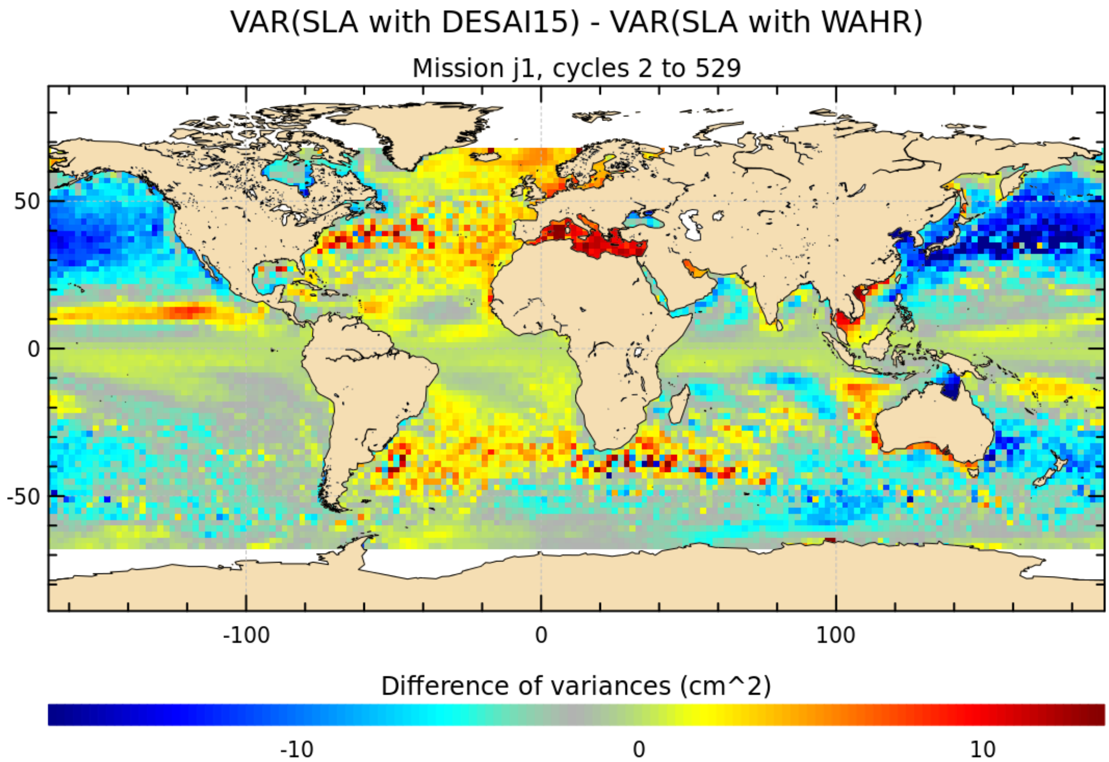


Diagnostic A209 (mission j1)

Name : Differences between maps of SLA variance

Input data : Along track SLA

Description : The differences between maps of SLA are calculated from the SLA differences (mean, standard deviation) using successively both altimetric components in the SLA calculation.



Diagnostic type : Mono-mission analyses

A210

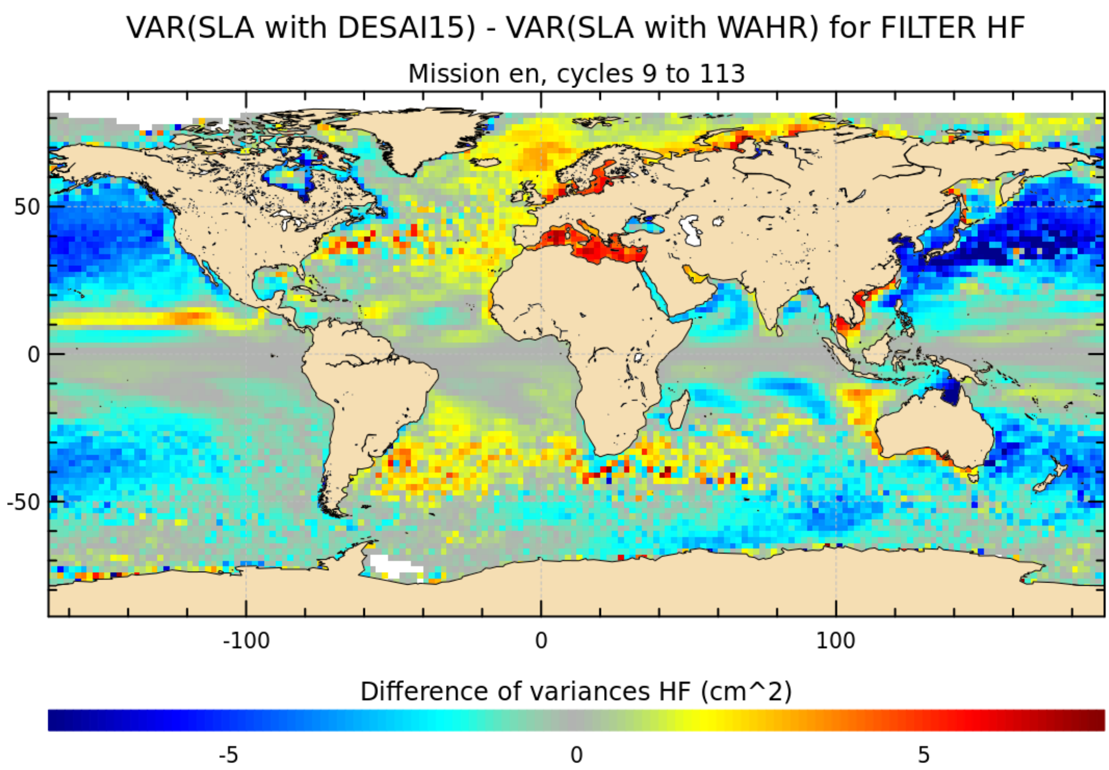
Diagnostic type : Mono-mission analyses

Diagnostic A210_a (mission en)

Name : Differences between maps of SLA variance for different frequency bands

Input data : Along track SLA

Description : The differences between maps of SLA (variance) are calculated from the mean SLA maps using successively both altimetric components in the SLA calculation filtered to separate high-frequency (T < 1 yr), mid-frequency (1 yr < T < 3 yrs) and low-frequency (T > 3 yrs) signals.



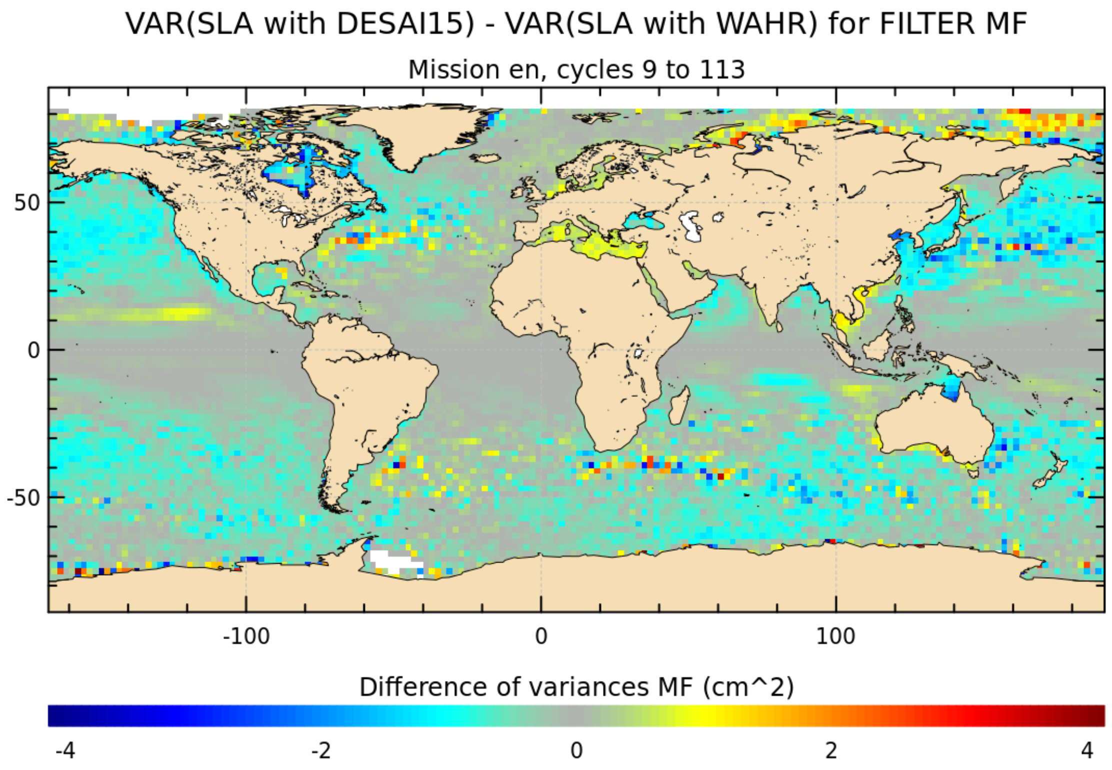
Diagnostic type : Mono-mission analyses

Diagnostic A210_b (mission en)

Name : Differences between maps of SLA variance for different frequency bands

Input data : Along track SLA

Description : The differences between maps of SLA (variance) are calculated from the mean SLA maps using successively both altimetric components in the SLA calculation filtered to separate high-frequency (T < 1 yr), mid-frequency (1 yr < T < 3 yrs) and low-frequency (T > 3 yrs) signals.



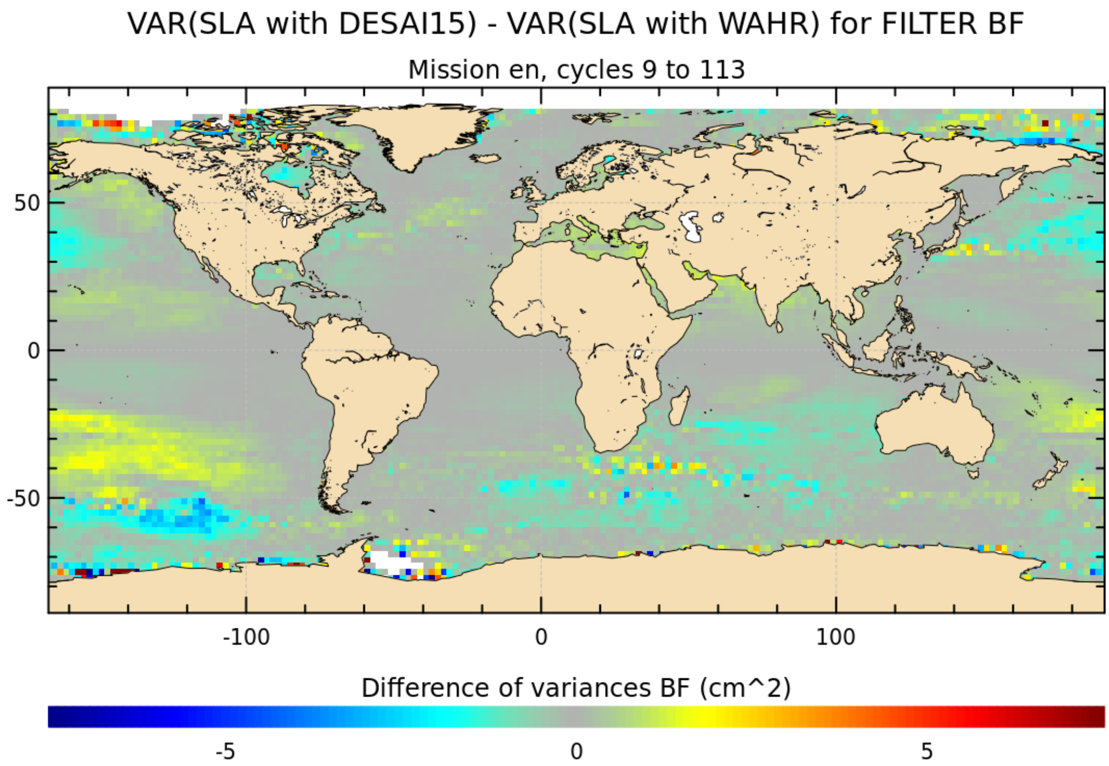
Diagnostic type : Mono-mission analyses

Diagnostic A210_c (mission en)

Name : Differences between maps of SLA variance for different frequency bands

Input data : Along track SLA

Description : The differences between maps of SLA (variance) are calculated from the mean SLA maps using successively both altimetric components in the SLA calculation filtered to separate high-frequency (T < 1 yr), mid-frequency (1 yr < T < 3 yrs) and low-frequency (T > 3 yrs) signals.



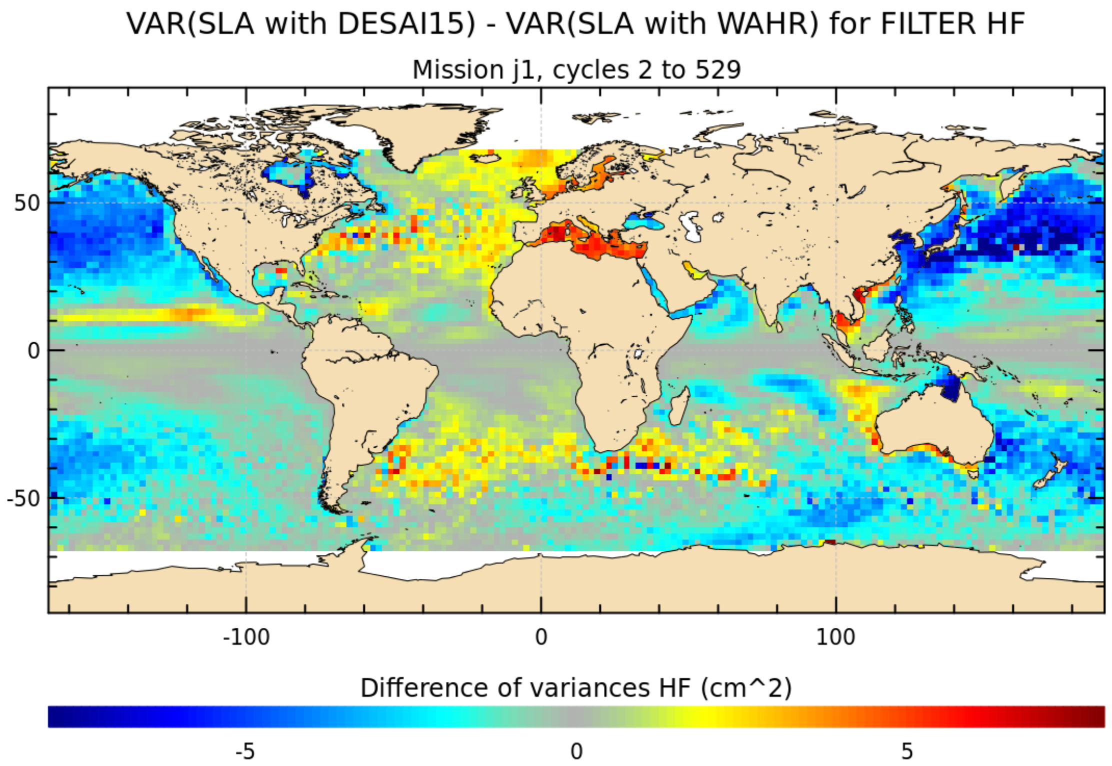
Diagnostic type : Mono-mission analyses

Diagnostic A210_a (mission j1)

Name : Differences between maps of SLA variance for different frequency bands

Input data : Along track SLA

Description : The differences between maps of SLA (variance) are calculated from the mean SLA maps using successively both altimetric components in the SLA calculation filtered to separate high-frequency (T < 1 yr), mid-frequency (1 yr < T < 3 yrs) and low-frequency (T > 3 yrs) signals.



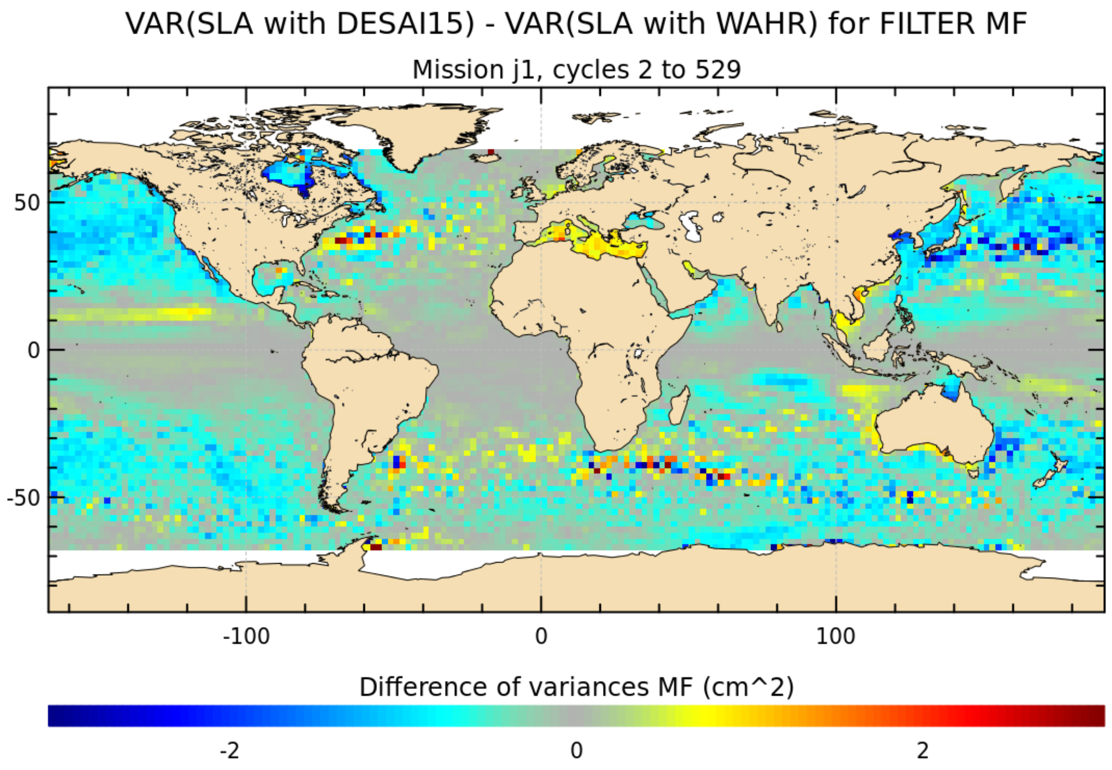
Diagnostic type : Mono-mission analyses

Diagnostic A210_b (mission j1)

Name : Differences between maps of SLA variance for different frequency bands

Input data : Along track SLA

Description : The differences between maps of SLA (variance) are calculated from the mean SLA maps using successively both altimetric components in the SLA calculation filtered to separate high-frequency (T < 1 yr), mid-frequency (1 yr < T < 3 yrs) and low-frequency (T > 3 yrs) signals.

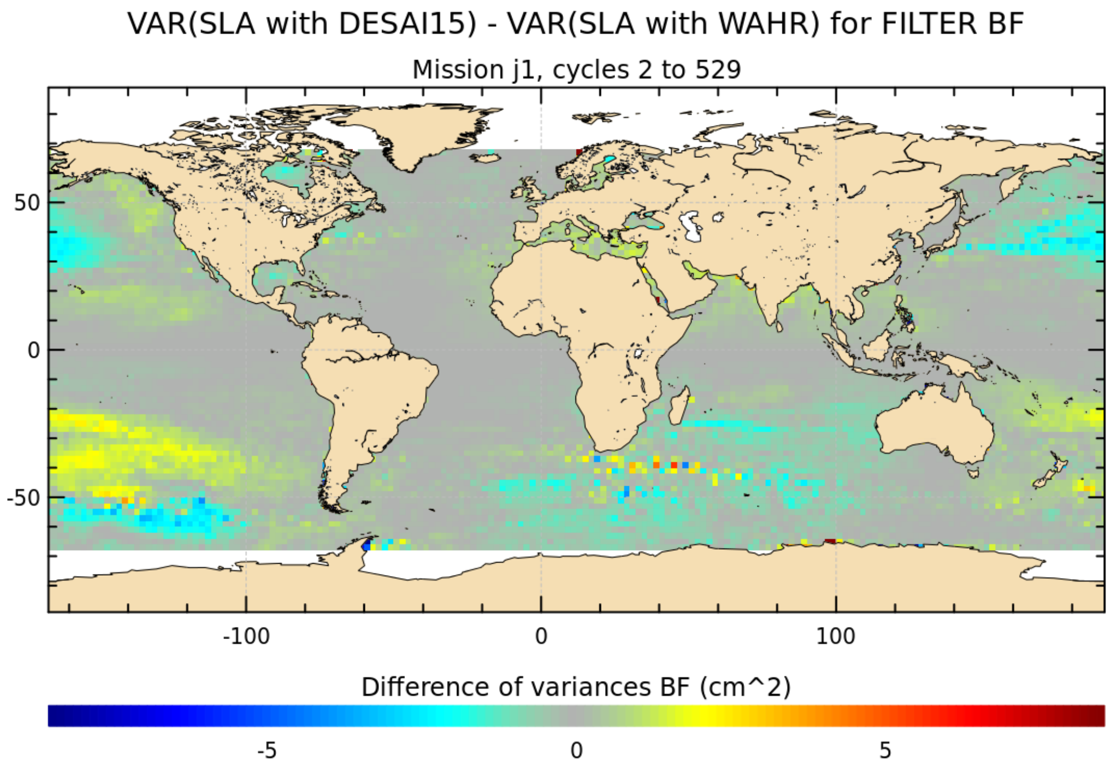


Diagnostic A210_c (mission j1)

Name : Differences between maps of SLA variance for different frequency bands

Input data : Along track SLA

Description : The differences between maps of SLA (variance) are calculated from the mean SLA maps using successively both altimetric components in the SLA calculation filtered to separate high-frequency (T < 1 yr), mid-frequency (1 yr < T < 3 yrs) and low-frequency (T > 3 yrs) signals.



Diagnostic type : Mono-mission analyses

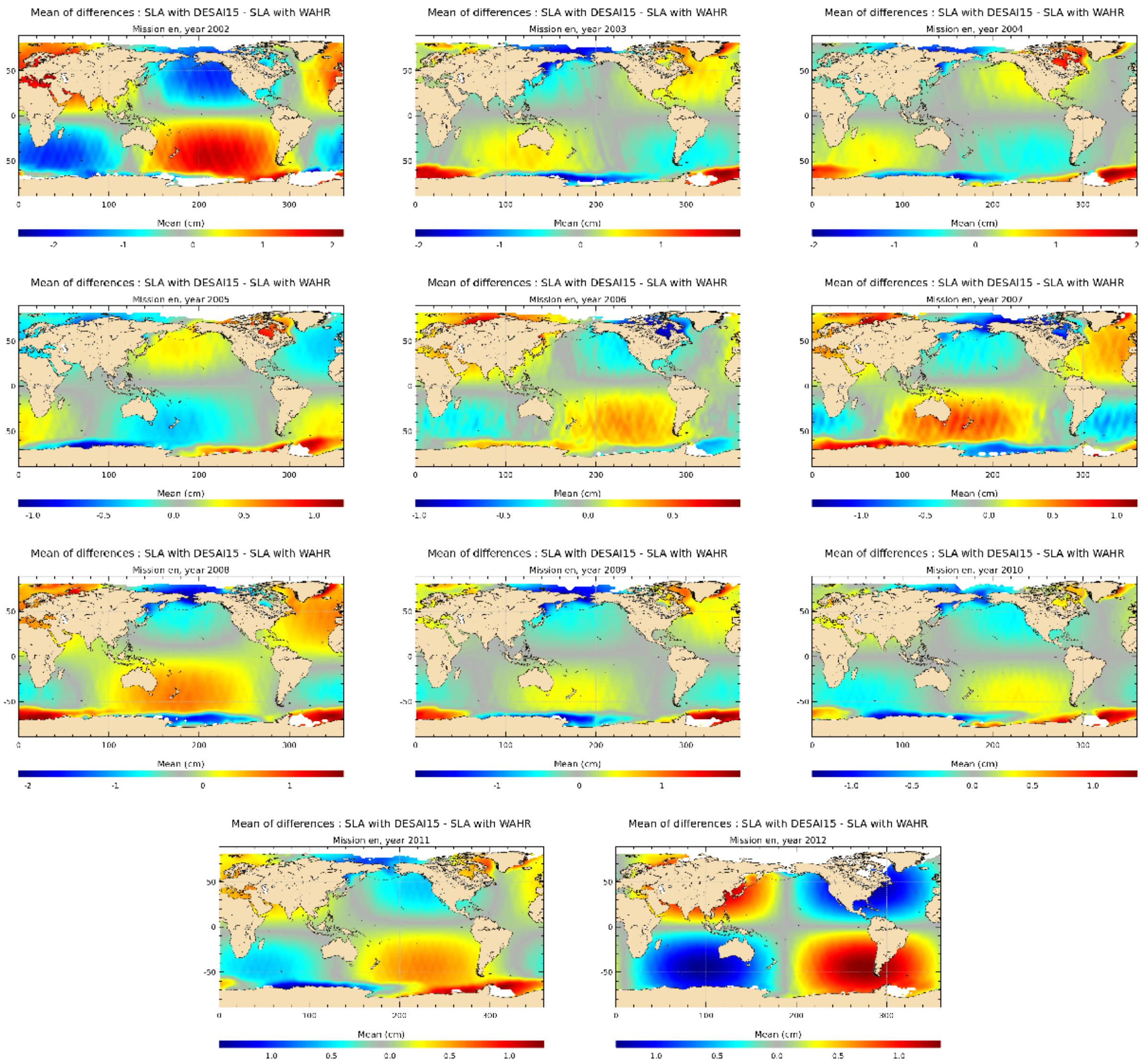
Diagnostic type : Mono-mission analyses

Diagnostic A211 (mission en)

Name : Differences between maps of SLA per year

Input data : Along track SLA

Description : The differences between map of SLA (mean) are calculated for each year using successively both altimetric components in the SLA calculation



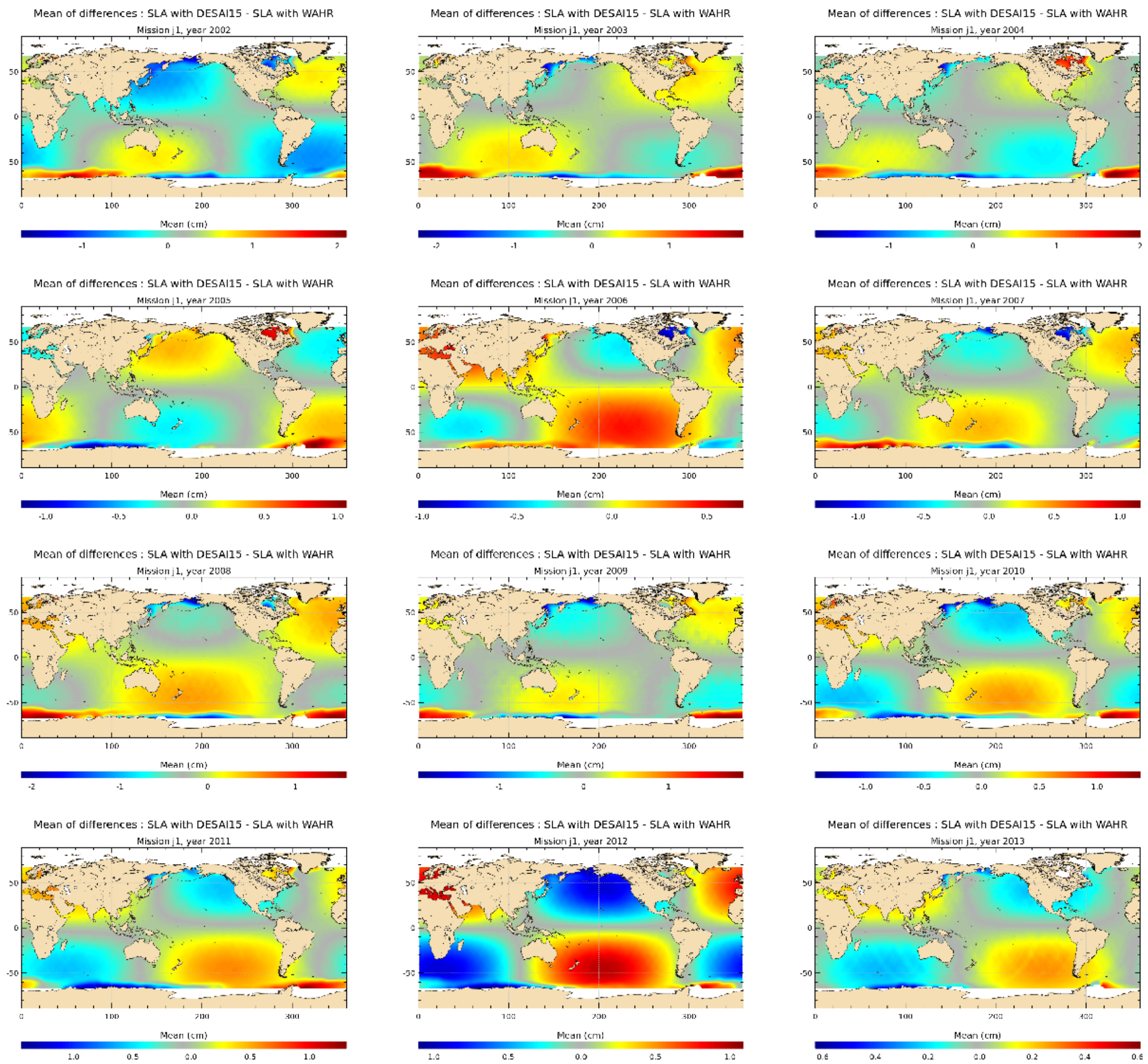
Diagnostic type : Mono-mission analyses

Diagnostic A211 (mission j1)

Name : Differences between maps of SLA per year

Input data : Along track SLA

Description : The differences between map of SLA (mean) are calculated for each year using successively both altimetric components in the SLA calculation

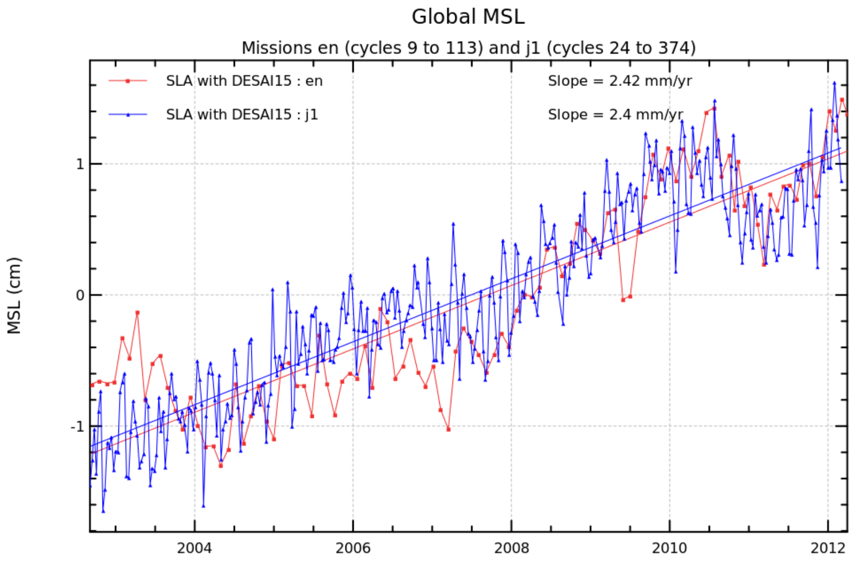


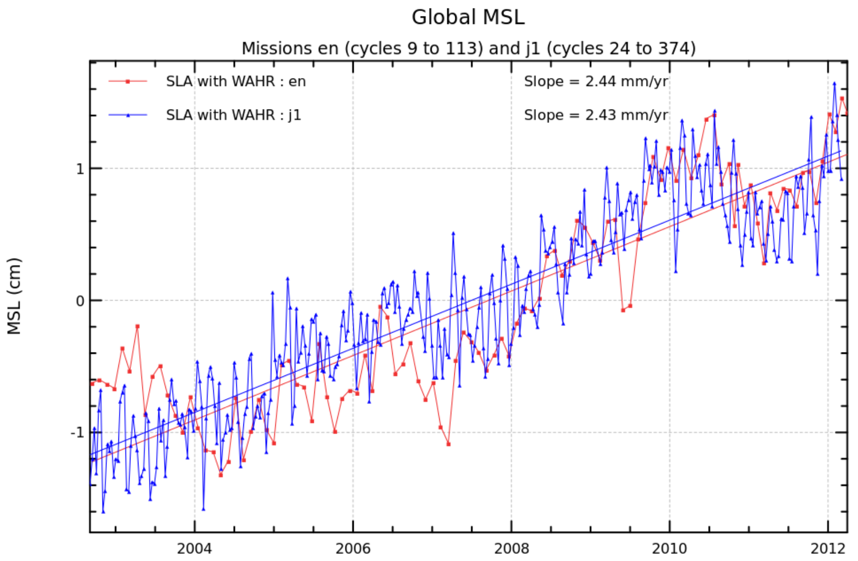
Diagnostic B201_a

Name : Temporal evolution of Sea level Anomaly (SLA) for 2 missions over the same period

Input data : Along track SLA

Description : Temporal evolution of SLA statistics (mean, standard deviation) of 2 or more missions are computed over the same period as longest as possible using successively both components in the SLA calculation. This can be done globally, or separating in ascending and descending or in northern and southern hemisphere. In order to assure comparability, statistics are computed using sea level standard calculation (mean per box of 2x2 and weighted by cosine of latitude for the global mean) limited to 66 latitude.





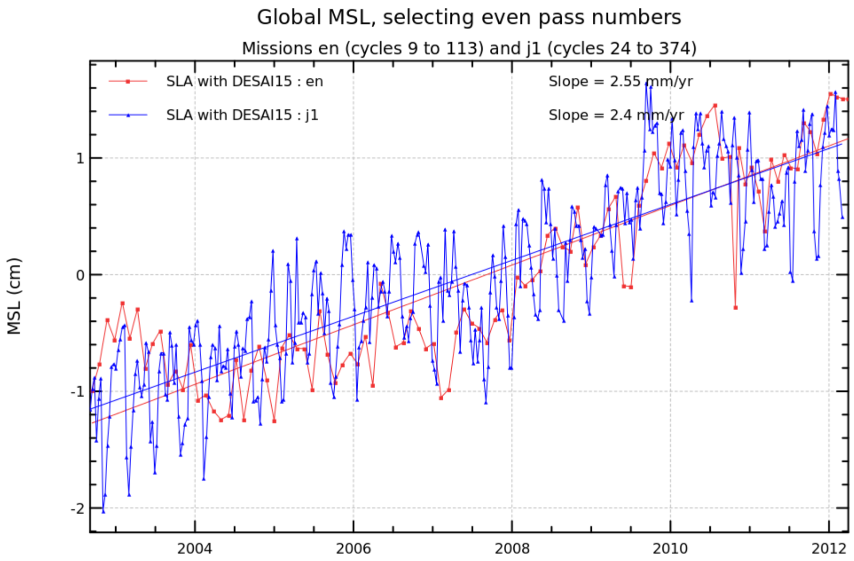
Diagnostic type : Multi-mission comparaisons

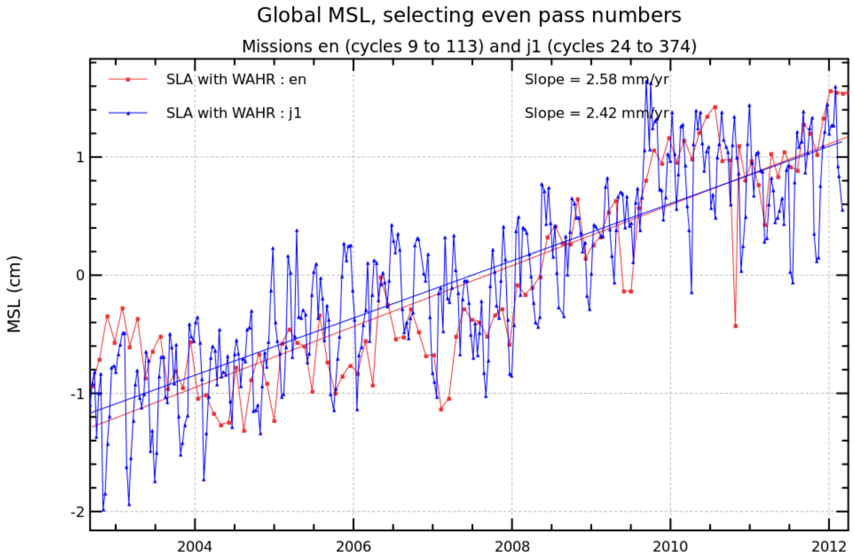
Diagnostic B201_b

Name : Temporal evolution of Sea level Anomaly (SLA) for 2 missions over the same period

Input data : Along track SLA

Description : Temporal evolution of SLA statistics (mean, standard deviation) of 2 or more missions are computed over the same period as longest as possible using successively both components in the SLA calculation. This can be done globally, or separating in ascending and descending or in northern and southern hemisphere. In order to assure comparability, statistics are computed using sea level standard calculation (mean per box of 2x2 and weighted by cosine of latitude for the global mean) limited to 66 latitude.





Diagnostic type : Multi-mission comparaisons

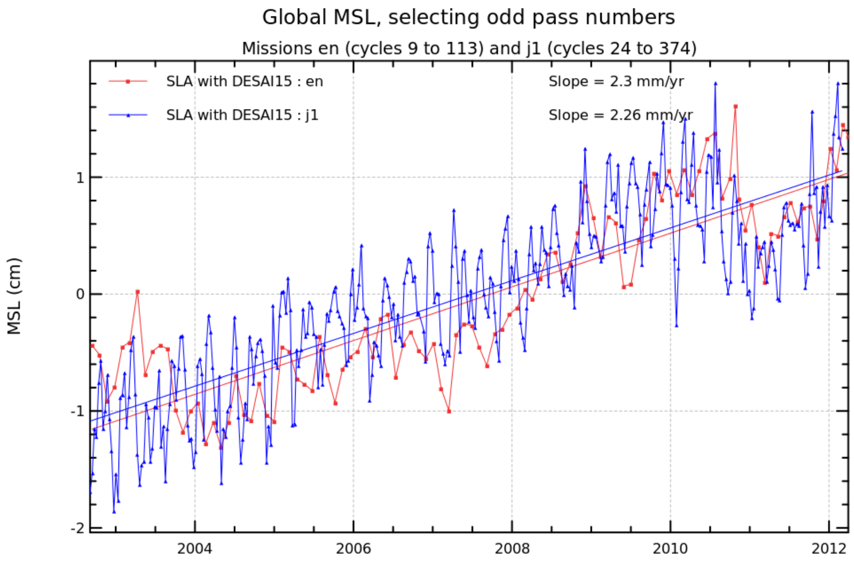
Diagnostic type : Multi-mission comparaisons

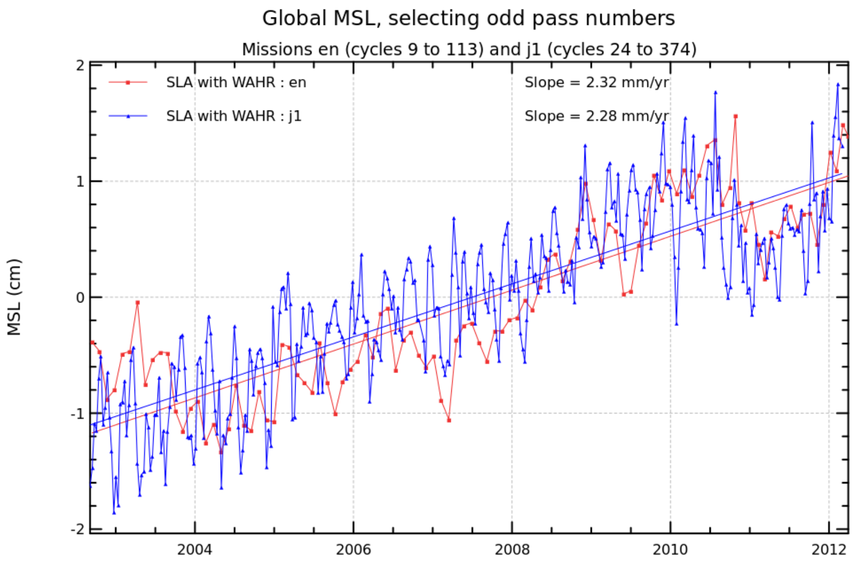
Diagnostic B201_c

Name : Temporal evolution of Sea level Anomaly (SLA) for 2 missions over the same period

Input data : Along track SLA

Description : Temporal evolution of SLA statistics (mean, standard deviation) of 2 or more missions are computed over the same period as longest as possible using successively both components in the SLA calculation. This can be done globally, or separating in ascending and descending or in northern and southern hemisphere. In order to assure comparability, statistics are computed using sea level standard calculation (mean per box of 2x2 and weighted by cosine of latitude for the global mean) limited to 66 latitude.





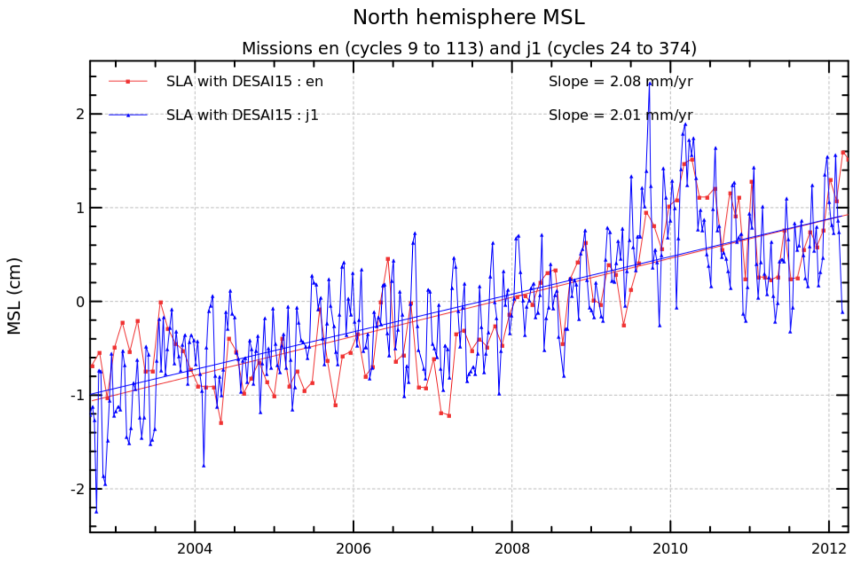
Diagnostic type : Multi-mission comparaisons

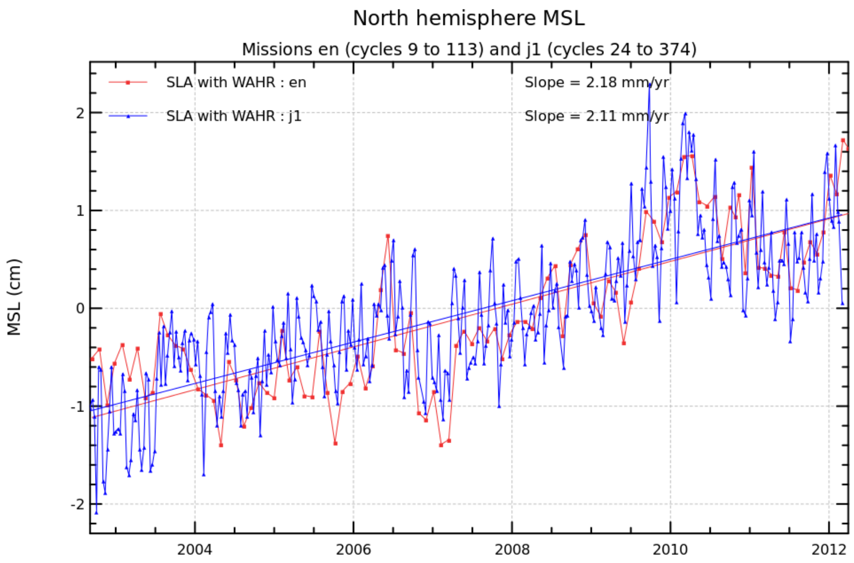
Diagnostic B201_d

Name : Temporal evolution of Sea level Anomaly (SLA) for 2 missions over the same period

Input data : Along track SLA

Description : Temporal evolution of SLA statistics (mean, standard deviation) of 2 or more missions are computed over the same period as longest as possible using successively both components in the SLA calculation. This can be done globally, or separating in ascending and descending or in northern and southern hemisphere. In order to assure comparability, statistics are computed using sea level standard calculation (mean per box of 2x2 and weighted by cosine of latitude for the global mean) limited to 66 latitude.





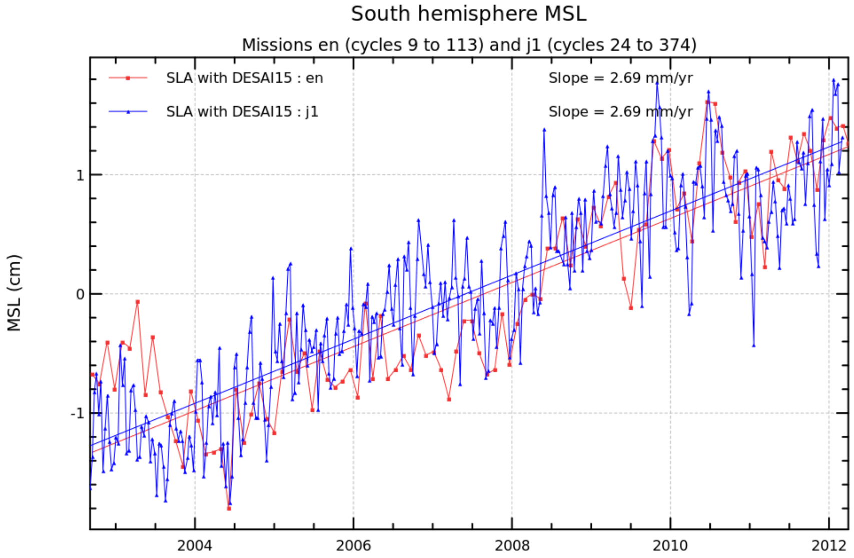
Diagnostic type : Multi-mission comparaisons

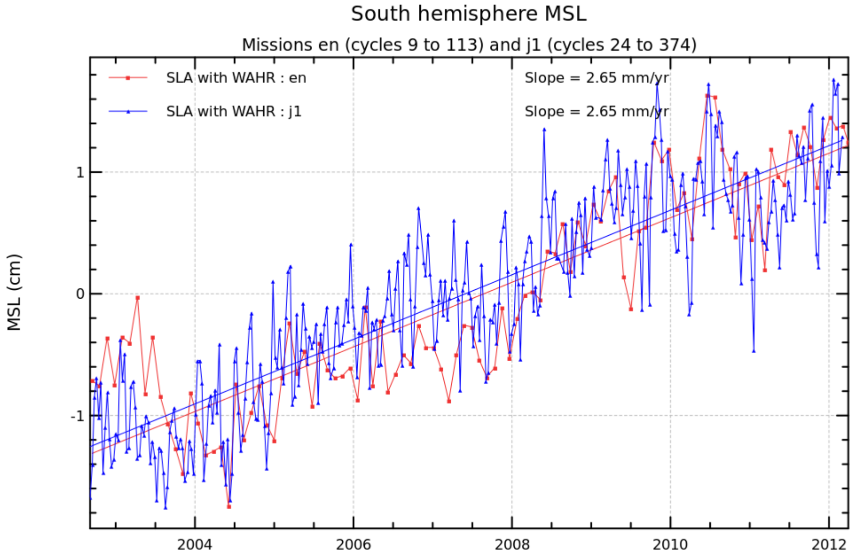
Diagnostic B201_e

Name : Temporal evolution of Sea level Anomaly (SLA) for 2 missions over the same period

Input data : Along track SLA

Description : Temporal evolution of SLA statistics (mean, standard deviation) of 2 or more missions are computed over the same period as longest as possible using successively both components in the SLA calculation. This can be done globally, or separating in ascending and descending or in northern and southern hemisphere. In order to assure comparability, statistics are computed using sea level standard calculation (mean per box of 2x2 and weighted by cosine of latitude for the global mean) limited to 66 latitude.





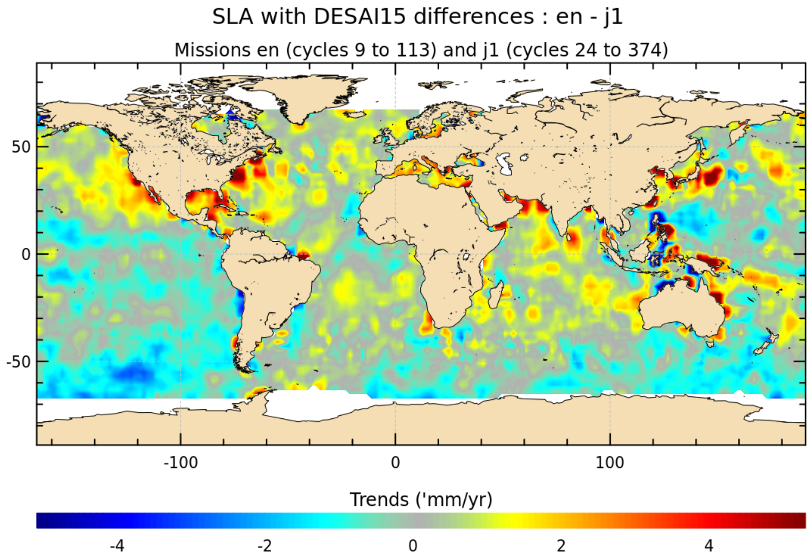
Diagnostic type : Multi-mission comparaisons

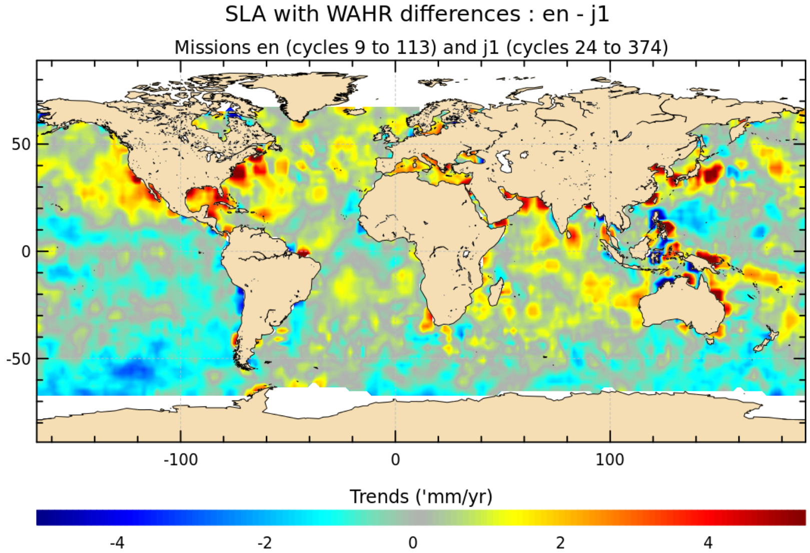
Diagnostic B202_a

Name : Differences between maps of Sea Level Anomaly (SLA) for 2 missions over the same period

Input data : Along track SLA

Description : The differences between maps of SLA (mean, variance or slope) derived from 2 altimetric missions are computed over the same period (as long as possible) using successively both altimetric components in the SLA calculation. Maps are calculated globally, they can be also calculated separating ascending and descending passes.





Diagnostic B202_b

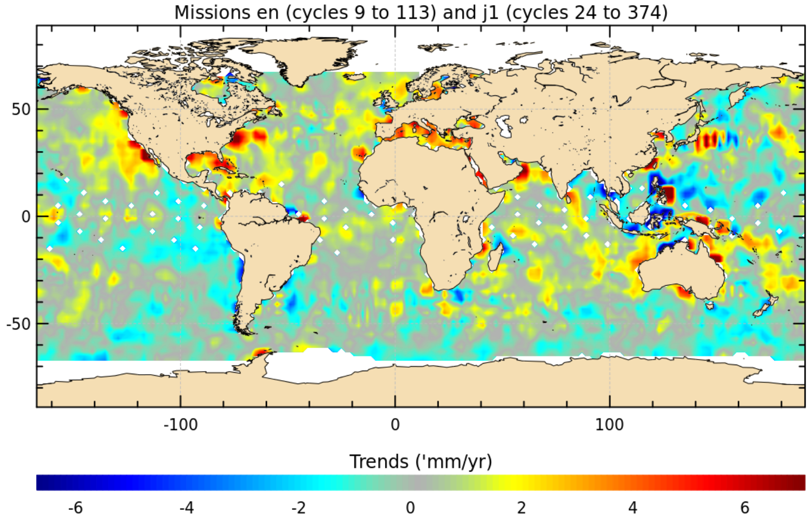
Name : Differences between maps of Sea Level Anomaly (SLA) for 2 missions over the same period

Input data : Along track SLA

Description : The differences between maps of SLA (mean, variance or slope) derived from 2 altimetric missions are computed over the same period (as long as possible) using successively both altimetric components in the SLA calculation. Maps are calculated globally, they can be also calculated separating ascending and descending passes.

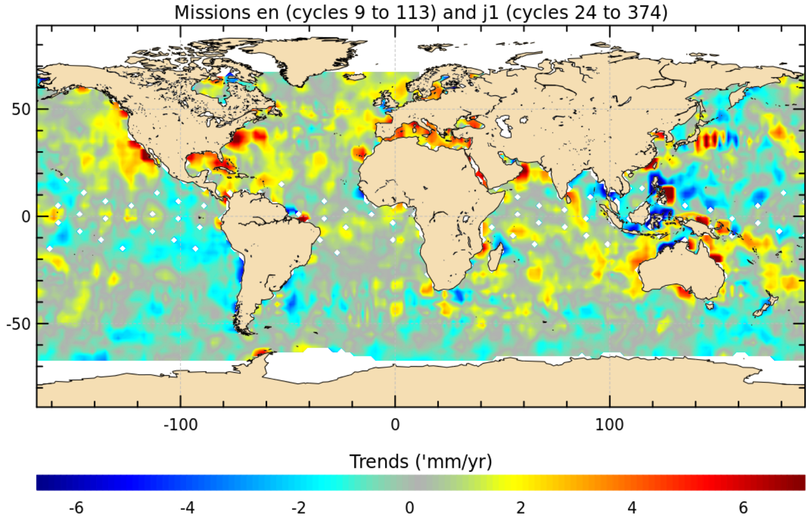
SLA with DESAI15 differences : en - j1, even pass numbers

Missions en (cycles 9 to 113) and j1 (cycles 24 to 374)



SLA with WAHR differences : en - j1, even pass numbers

Missions en (cycles 9 to 113) and j1 (cycles 24 to 374)



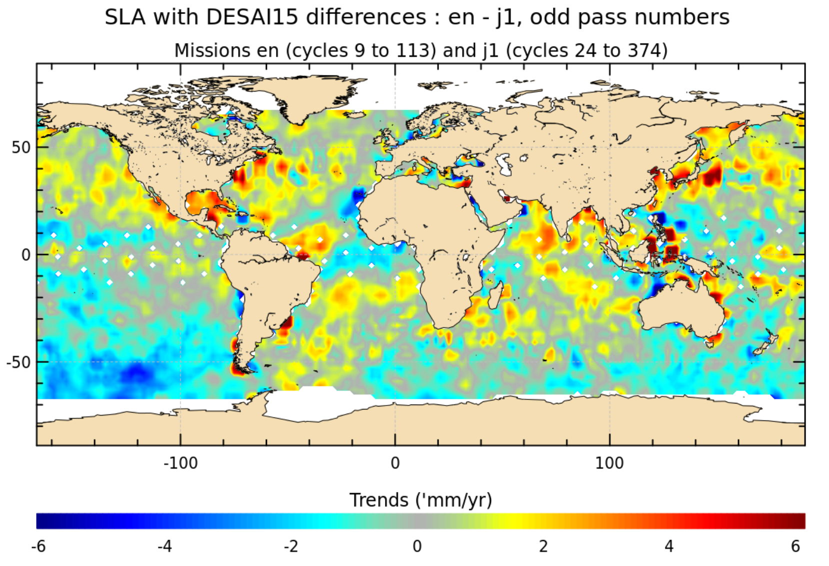
Diagnostic type : Multi-mission comparaisons

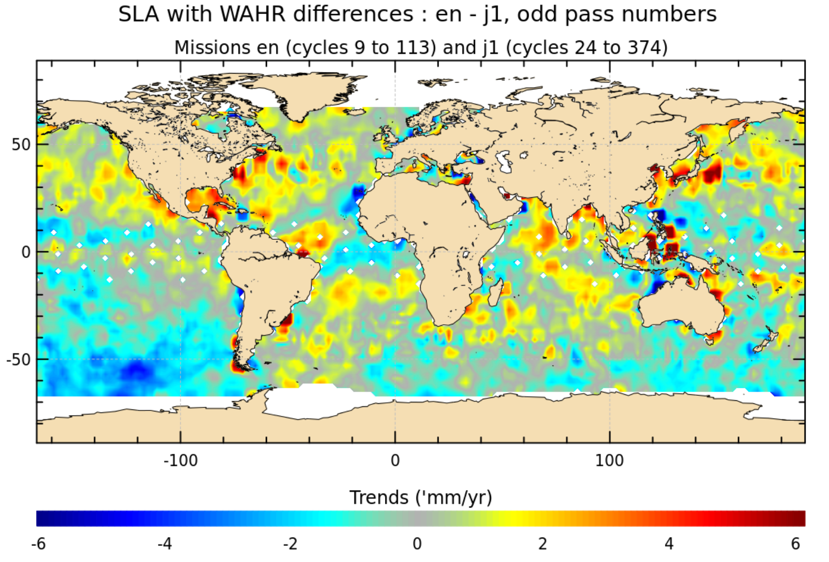
Diagnostic B202_c

Name : Differences between maps of Sea Level Anomaly (SLA) for 2 missions over the same period

Input data : Along track SLA

Description : The differences between maps of SLA (mean, variance or slope) derived from 2 altimetric missions are computed over the same period (as long as possible) using successively both altimetric components in the SLA calculation. Maps are calculated globally, they can be also calculated separating ascending and descending passes.





Diagnostic type : Multi-mission comparaisons

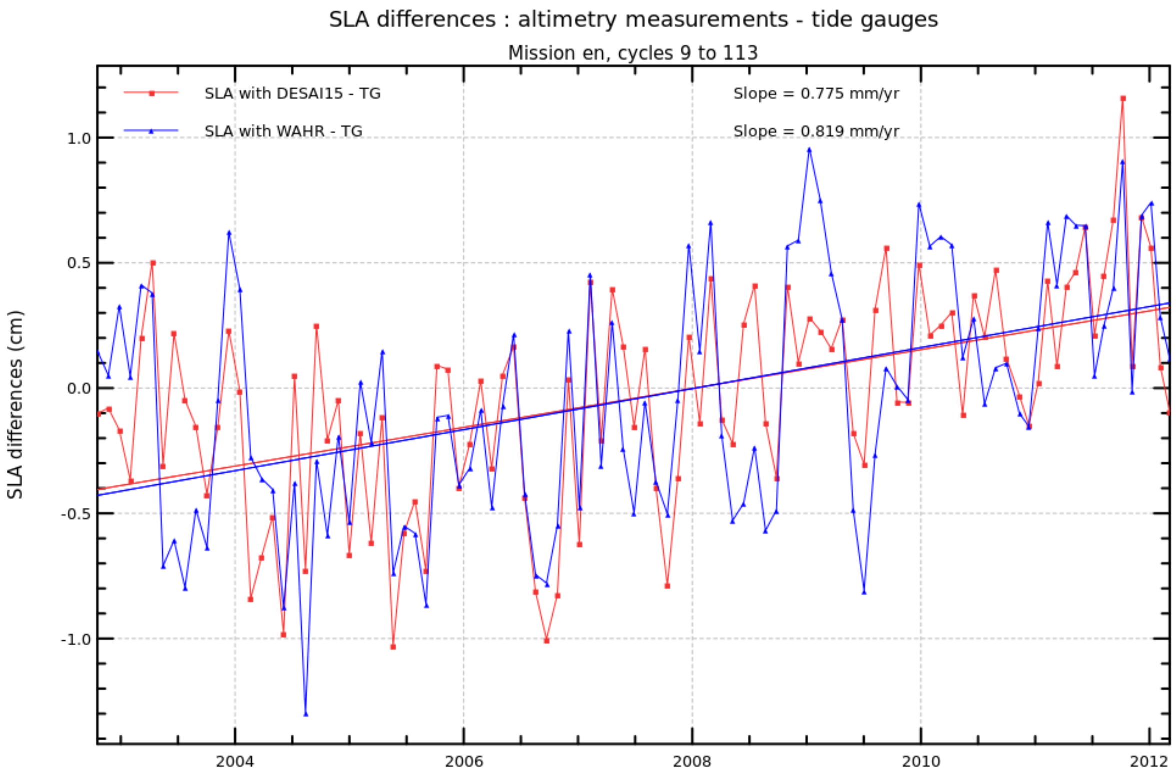
C001

Diagnostic C001 (mission en)

Name : Temporal evolution of SSH differences between tide gauges and altimetry measurements

Input data : Tide gauges SSH measurements

Description : The temporal evolution of global statistics (mean, variance, slope) of SSH differences between tide gauges and altimeter measurements are calculated from a cyclic way (altimeter repetivity) using successively both altimetric components in SSH calculation. The altimetric and tide gauges data are colocated with criteria of maximum of correlation, and tide gauges used are derived from global networks (GLOSS/CLIVAR, REFMAR).



Diagnostic type : Altimetry and in-situ data comparaison

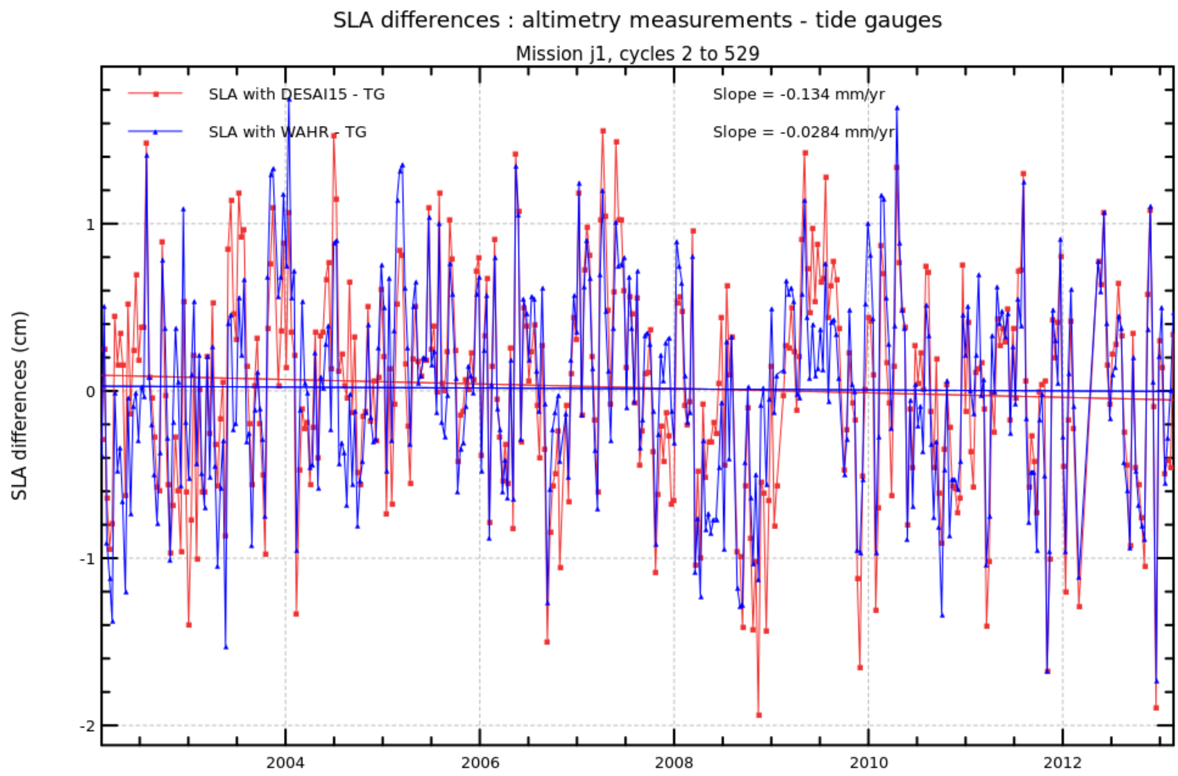
Diagnostic type : Altimetry and in-situ data comparaison

Diagnostic C001 (mission j1)

Name : Temporal evolution of SSH differences between tide gauges and altimetry measurements

Input data : Tide gauges SSH measurements

Description : The temporal evolution of global statistics (mean, variance, slope) of SSH differences between tide gauges and altimeter measurements are calculated from a cyclic way (altimeter repetivity) using successively both altimetric components in SSH calculation. The altimetric and tide gauges data are colocated with criteria of maximum of correlation, and tide gauges used are derived from global networks (GLOSS/CLIVAR, REFMAR).



C002

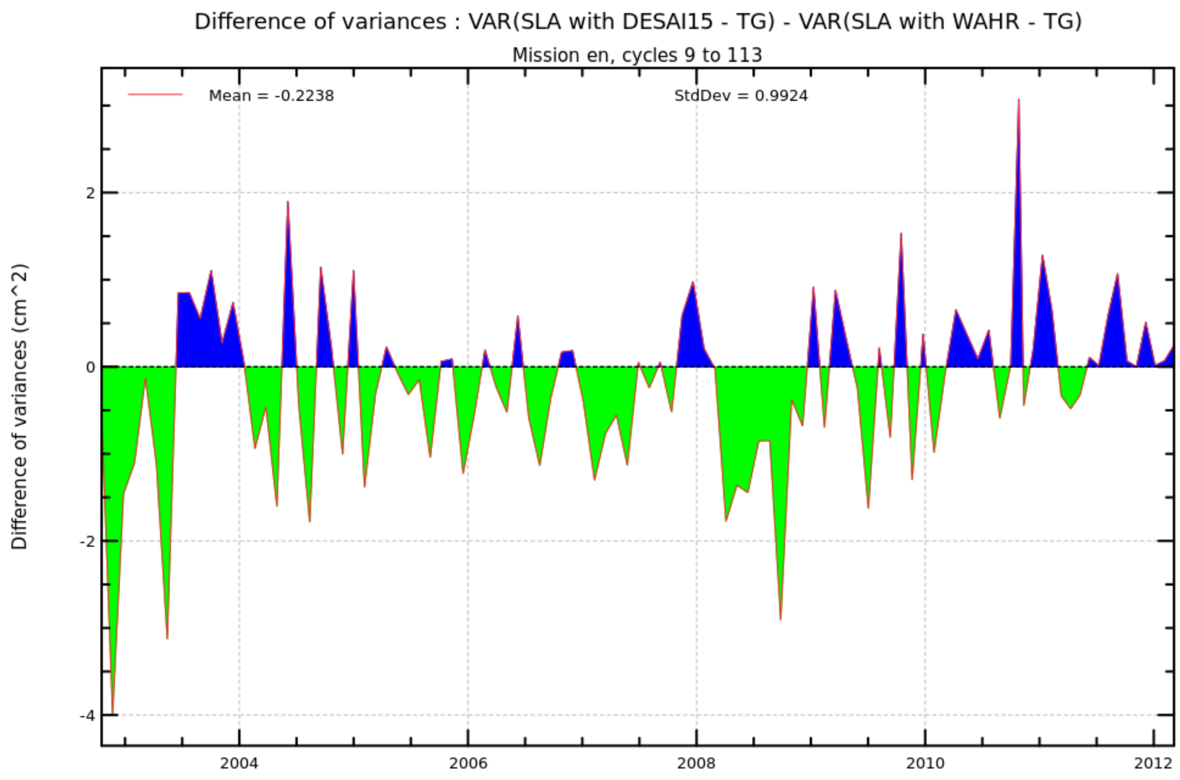
Diagnostic C002 (mission en)

Diagnostic type : Altimetry and in-situ data comparaison

Name : Differences of temporal evolution of SSH differences between tide gauges and altimetry measurements

Input data : Tide gauges SSH measurements

Description : The difference between temporal evolution of global statistics of differences between tide gauge and altimeter data differences are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in altimetric SSH calculation. The altimetric and tide gauges data are collocated with criteria of maximum of correlation, and tide gauges used are derived from global networks as GLOSS/CLIVAR.



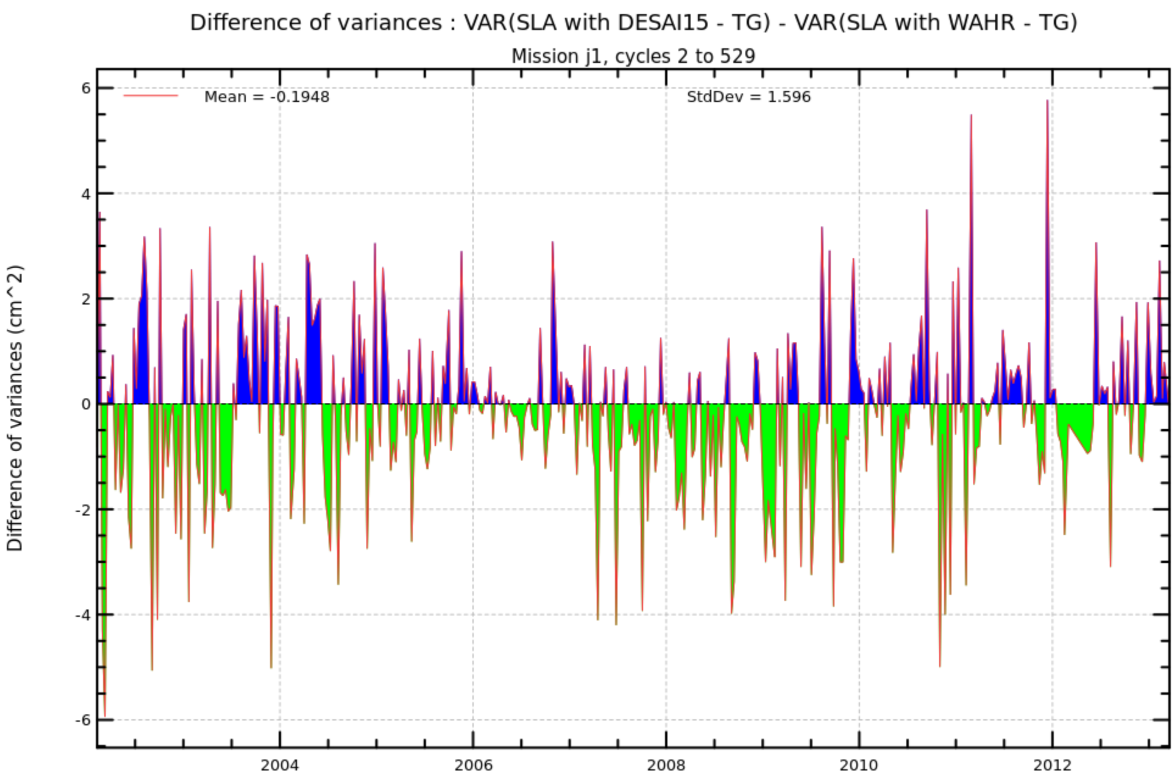
Diagnostic type : Altimetry and in-situ data comparaison

Diagnostic C002 (mission j1)

Name : Differences of temporal evolution of SSH differences between tide gauges and altimetry measurements

Input data : Tide gauges SSH measurements

Description : The difference between temporal evolution of global statistics of differences between tide gauge and altimeter data differences are calculated from a cyclic way (altimeter repetivity, daily, weekly, monthly) using successively both altimetric components in altimetric SSH calculation. The altimetric and tide gauges data are collocated with criteria of maximum of correlation, and tide gauges used are derived from global networks as GLOSS/CLIVAR.



C003

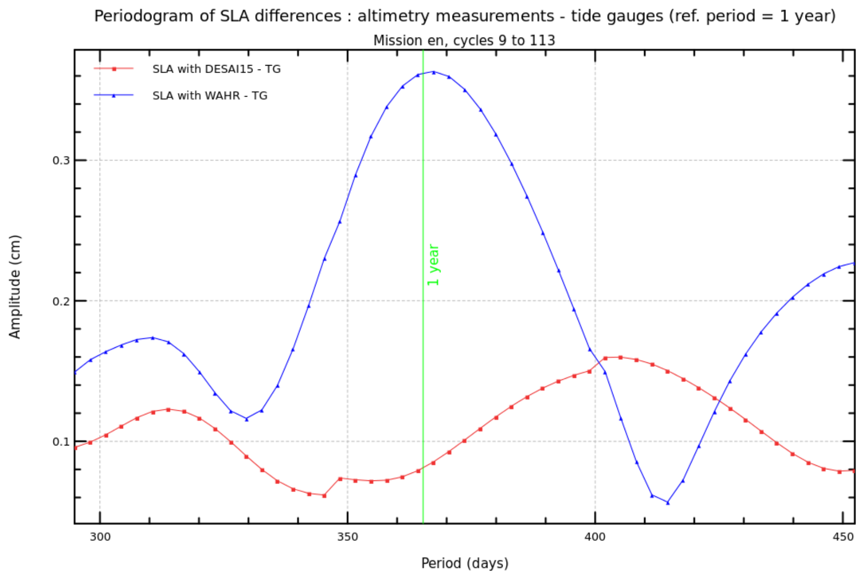
Diagnostic type : Altimetry and in-situ data comparaison

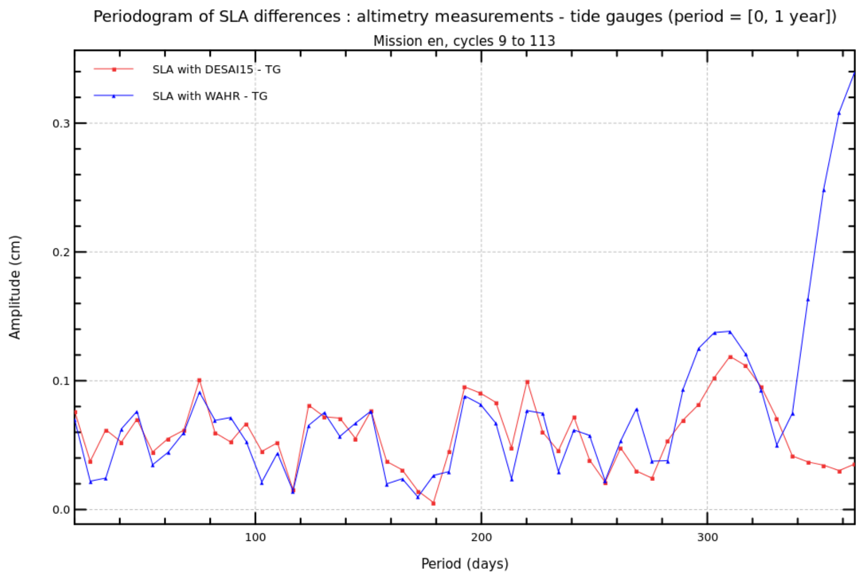
Diagnostic C003 (mission en)

Name : Periodogram derived from temporal evolution of SSH differences between tide gauges and altimetry

Input data : Tide gauges SSH measurements

Description : The periodogram derived from temporal evolution of altimetric and tide gauges SSH differences is calculated using successively both altimetric components in the altimetric SSH. The periodogram is calculated from the mean or variance statistics and it can be displayed for all the whole time period or a dedicated one





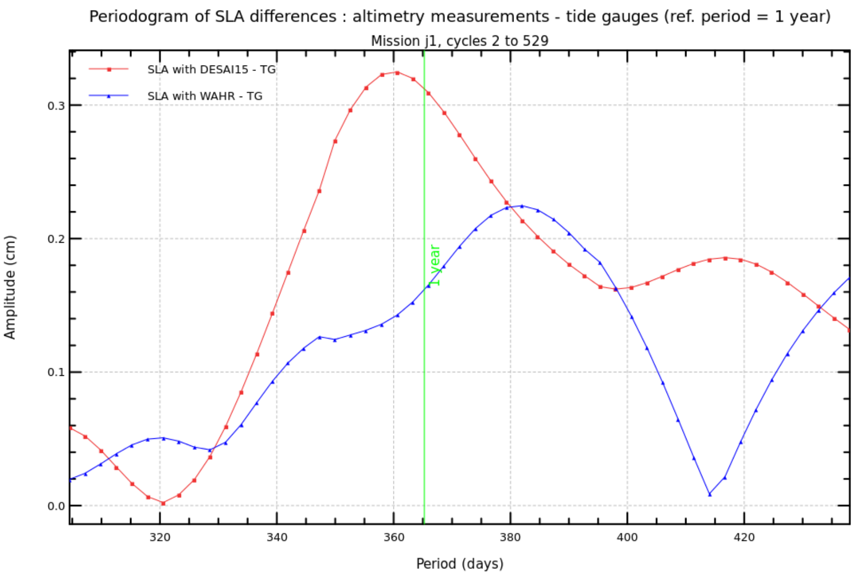
Diagnostic type : Altimetry and in-situ data comparaison

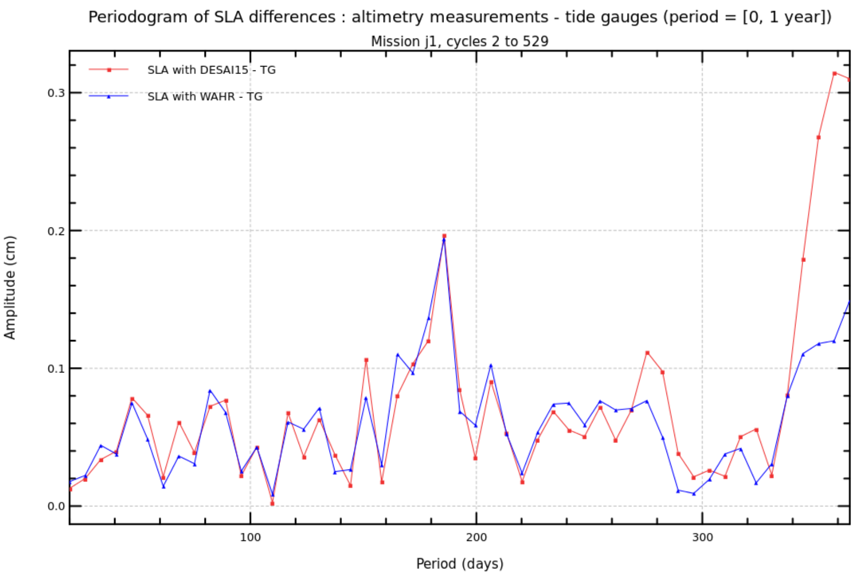
Diagnostic C003 (mission j1)

Name : Periodogram derived from temporal evolution of SSH differences between tide gauges and altimetry

Input data : Tide gauges SSH measurements

Description : The periodogram derived from temporal evolution of altimetric and tide gauges SSH differences is calculated using successively both altimetric components in the altimetric SSH. The periodogram is calculated from the mean or variance statistics and it can be displayed for all the whole time period or a dedicated one





C004

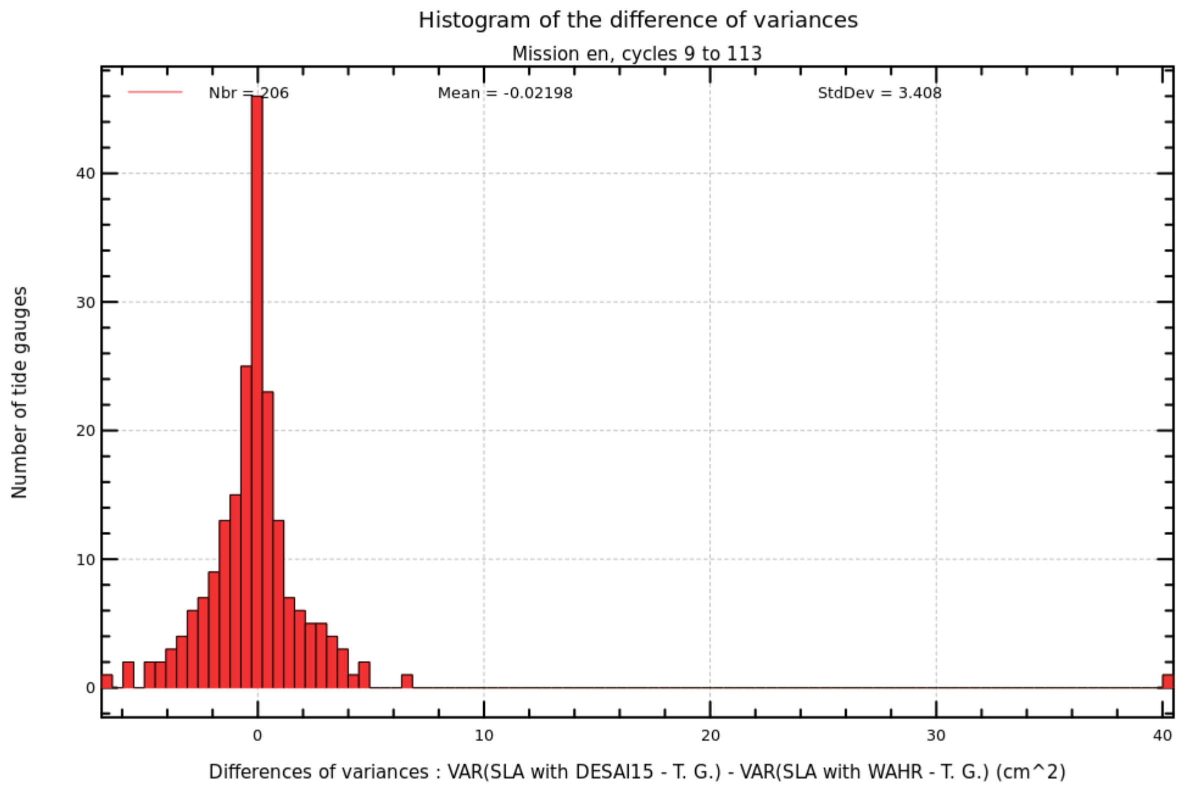
Diagnostic type : Altimetry and in-situ data comparaison

Diagnostic C004 (mission en)

Name : Histograms of differences between tide gauges and altimeter SSH differences

Input data : Tide gauges SSH measurements

Description : The difference of histograms between altimeter and tide gauge SSH differences is computed from the elementary statistics at each tide gauge using successively both altimetric components in the altimetry SSH.

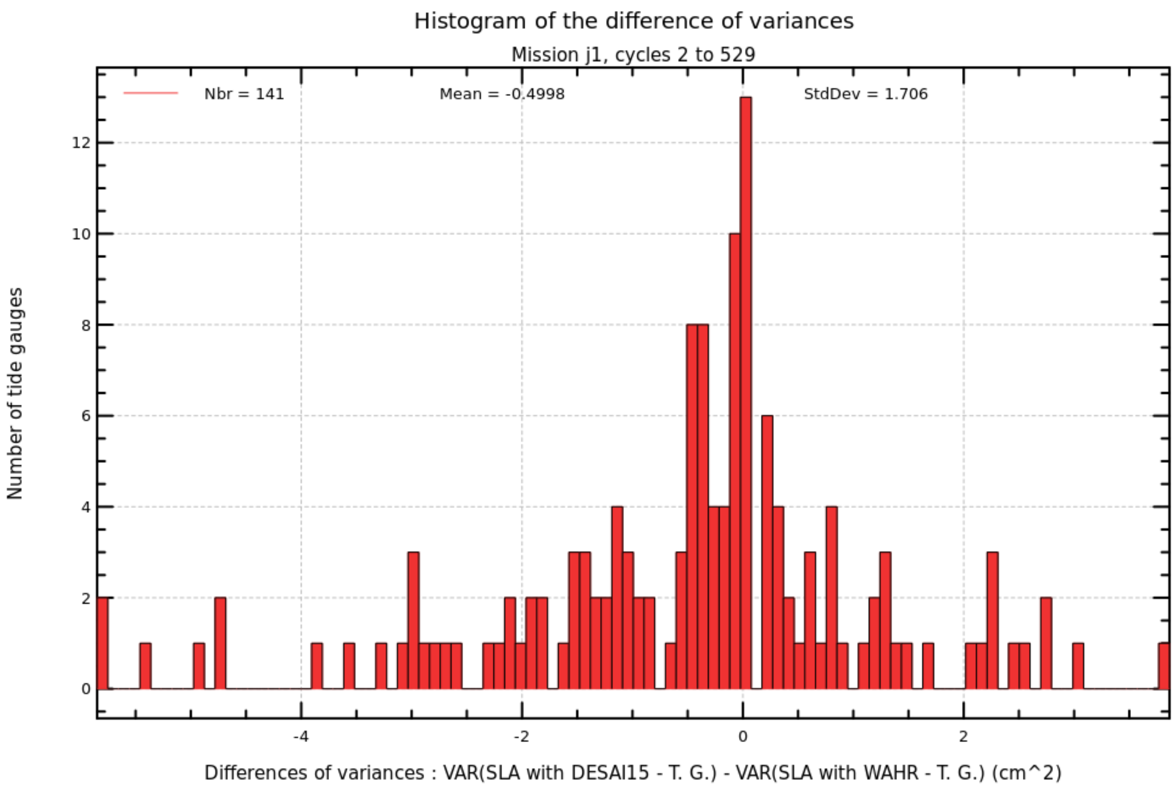


Diagnostic C004 (mission j1)

Name : Histograms of differences between tide gauges and altimeter SSH differences

Input data : Tide gauges SSH measurements

Description : The difference of histograms between altimeter and tide gauge SSH differences is computed from the elementary statistics at each tide gauge using successively both altimetric components in the altimetry SSH.



Diagnostic type : Altimetry and in-situ data comparaison

C005

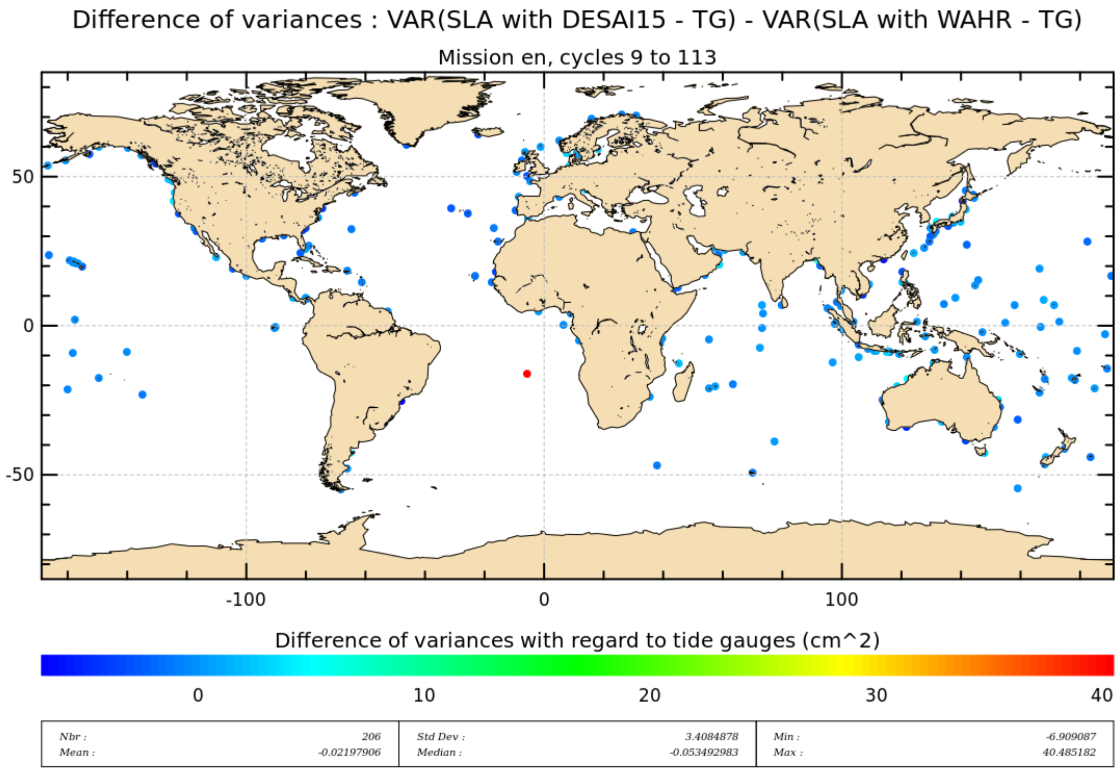
Diagnostic type : Altimetry and in-situ data comparaison

Diagnostic C005 (mission en)

Name : Map of differences between tide gauges and altimeter SSH differences

Input data : Tide gauges SSH measurements

Description : The map of global statistics of differences between altimeter and tide gauge SSH differences is computed from the statistics at each tide gauge location using successively both altimetric components in the altimetry SSH



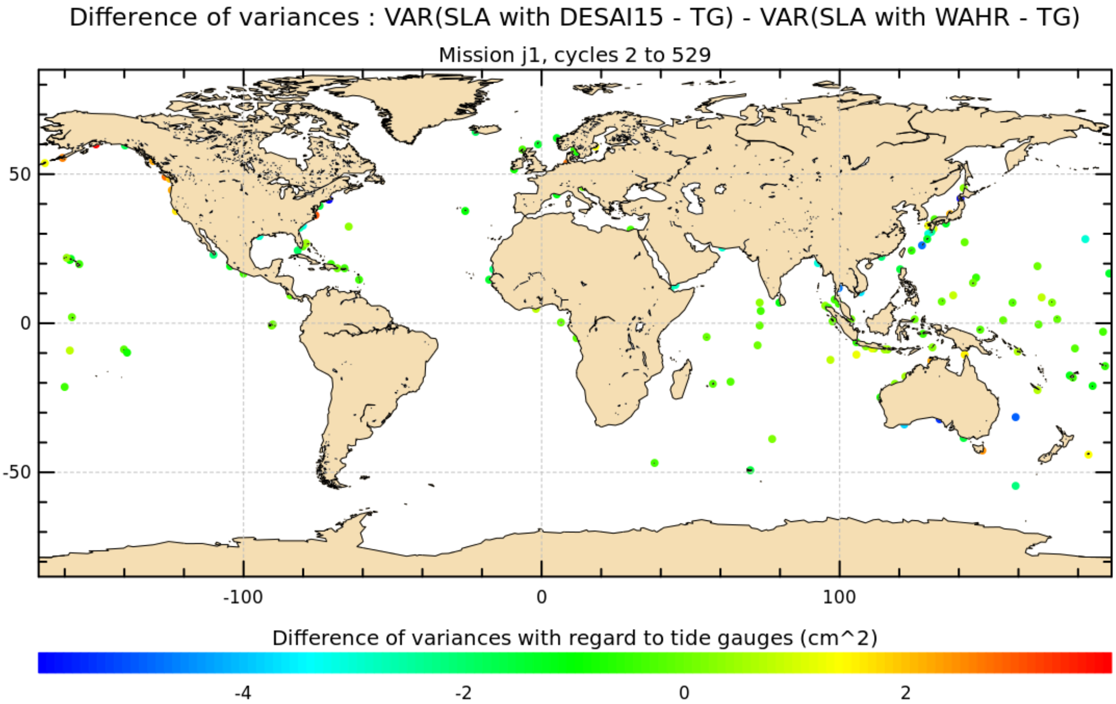
Diagnostic type : Altimetry and in-situ data comparaison

Diagnostic C005 (mission j1)

Name : Map of differences between tide gauges and altimeter SSH differences

Input data : Tide gauges SSH measurements

Description : The map of global statistics of differences between altimeter and tide gauge SSH differences is computed from the statistics at each tide gauge location using successively both altimetric components in the altimetry SSH



Nbr :	141	Std Dev :	1.7056057	Min :	-5.8484125
Mean :	-0.49976896	Median :	-0.23131249	Max :	3.8631877

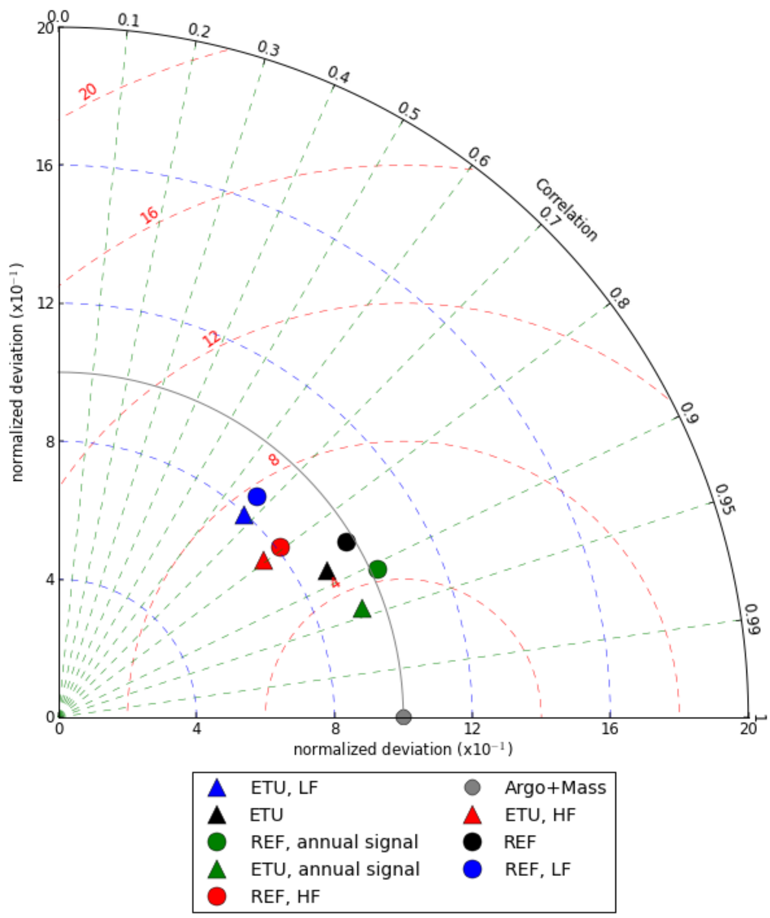
Diagnostic type : Altimetry and in-situ data comparaison

Diagnostic C101 (mission en)

Name : Taylor diagram of sea level differences between altimetry and Argo+GRACE measurements

Input data : Argo sea level measurements

Description : The coherence (correlation and standard deviation) is computed between altimeter and the sum of Argo and mass (GRACE) data. The gray dot corresponds to the Argo and mass reference value. Statistics obtained with the studied (reference) altimeter standard are represented by triangles (circles), separating different temporal scales: global detrended (black), annual signal (green), high frequencies detrended ($\leq$ 1y., red) and low frequencies detrended ($\geq$ 1y., blue).



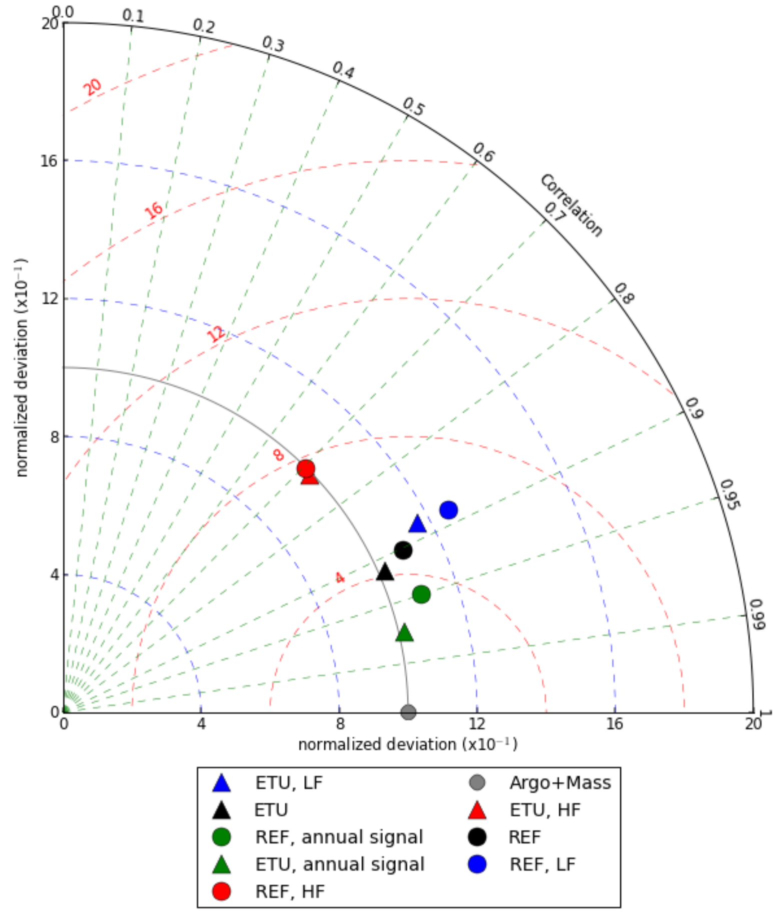
Diagnostic type : Altimetry and in-situ data comparaison

Diagnostic C101 (mission j1)

Name : Taylor diagram of sea level differences between altimetry and Argo+GRACE measurements

Input data : Argo sea level measurements

Description : The coherence (correlation and standard deviation) is computed between altimeter and the sum of Argo and mass (GRACE) data. The gray dot corresponds to the Argo and mass reference value. Statistics obtained with the studied (reference) altimeter standard are represented by triangles (circles), separating different temporal scales: global detrended (black), annual signal (green), high frequencies detrended ($\leq$ 1y., red) and low frequencies detrended ($\geq$ 1y., blue).

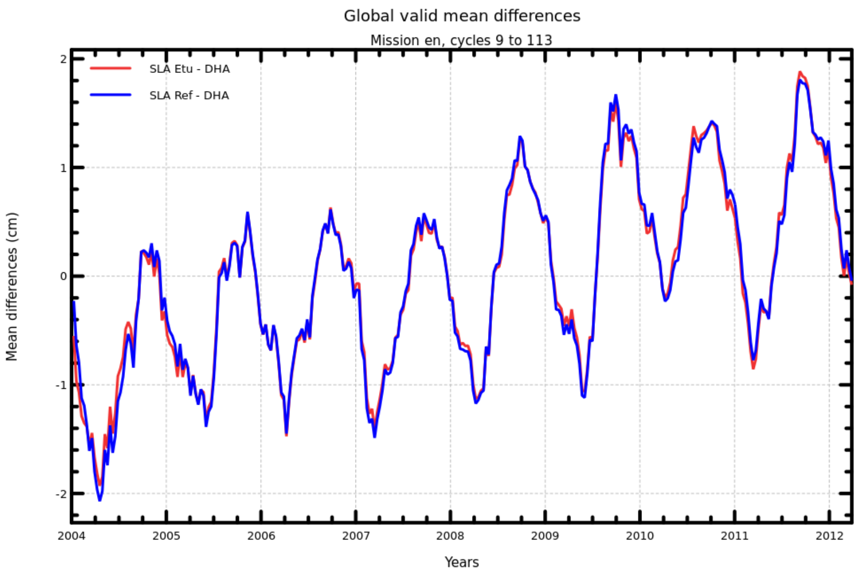


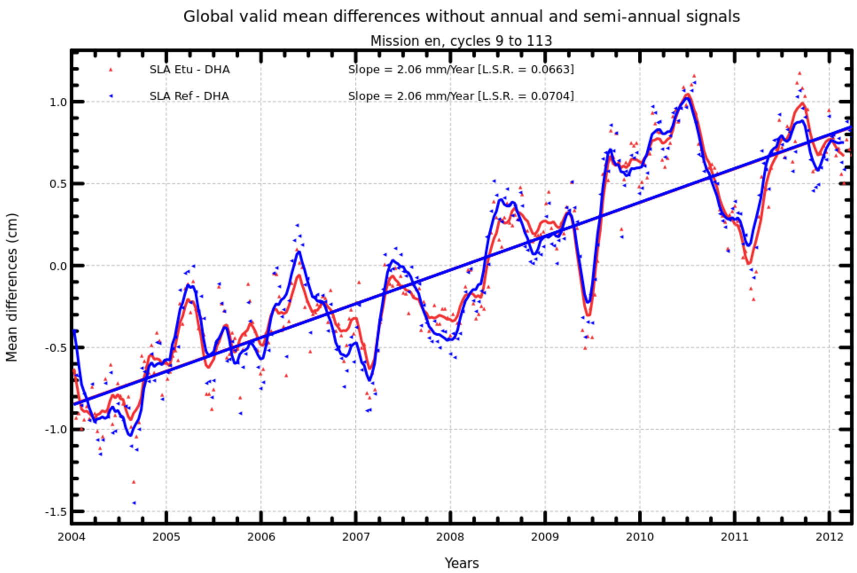
Diagnostic C102_a (mission en)

Name : Temporal evolution of sea level differences between altimetry and Argo measurements

Input data : Argo sea level measurements

Description : The temporal evolution of the differences between altimetry and Argo measurements are computed by colocating altimeter data at the position and date of each Argo profiles. This is computed with both altimeter standards with and without the annual and semi-annual signals, for the North/South and East/West hemispheres.





Diagnostic type : Altimetry and in-situ data comparaison

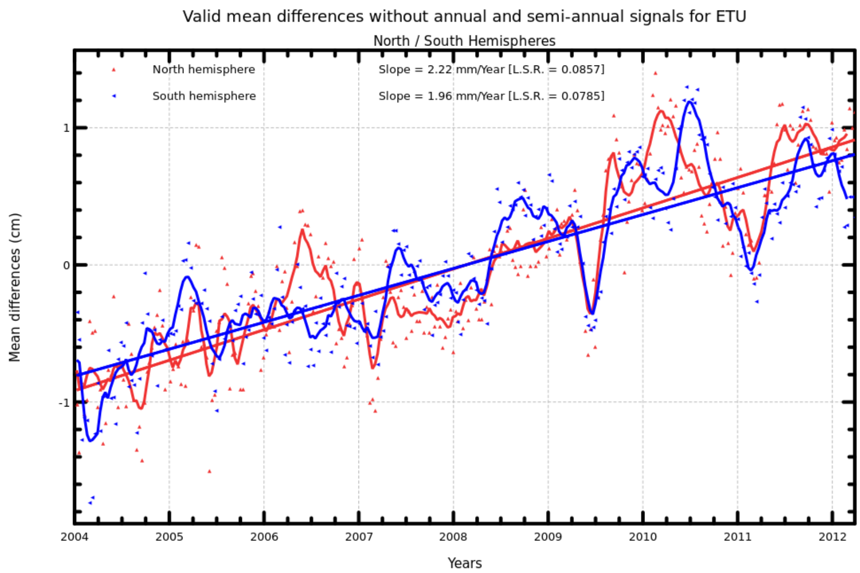
Diagnostic type : Altimetry and in-situ data comparaison

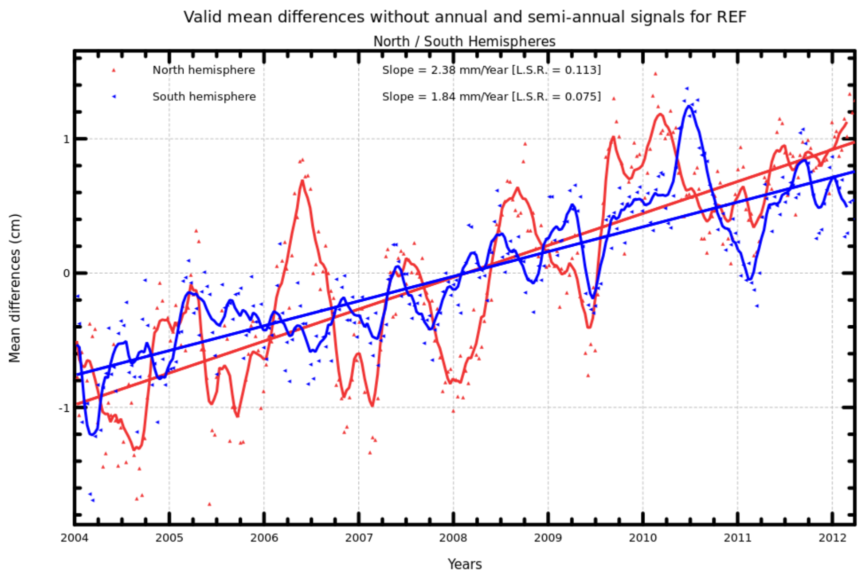
Diagnostic C102_b (mission en)

Name : Temporal evolution of sea level differences between altimetry and Argo measurements

Input data : Argo sea level measurements

Description : The temporal evolution of the differences between altimetry and Argo measurements are computed by colocating altimeter data at the position and date of each Argo profiles. This is computed with both altimeter standards with and without the annual and semi-annual signals, for the North/South and East/West hemispheres.





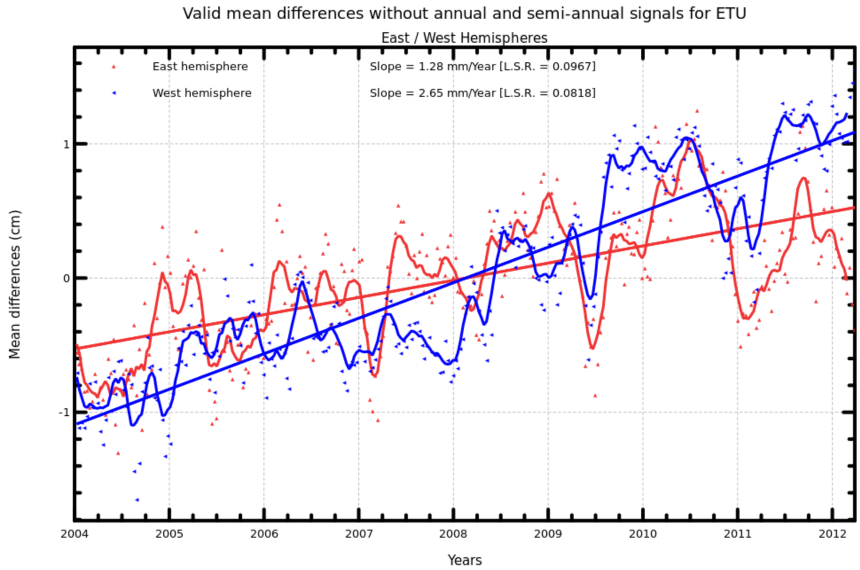
Diagnostic type : Altimetry and in-situ data comparaison

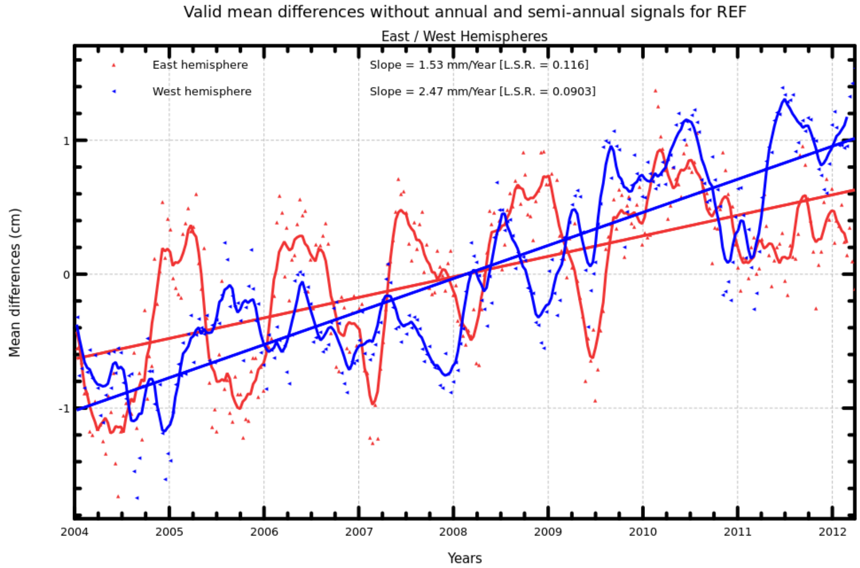
Diagnostic C102_c (mission en)

Name : Temporal evolution of sea level differences between altimetry and Argo measurements

Input data : Argo sea level measurements

Description : The temporal evolution of the differences between altimetry and Argo measurements are computed by colocating altimeter data at the position and date of each Argo profiles. This is computed with both altimeter standards with and without the annual and semi-annual signals, for the North/South and East/West hemispheres.





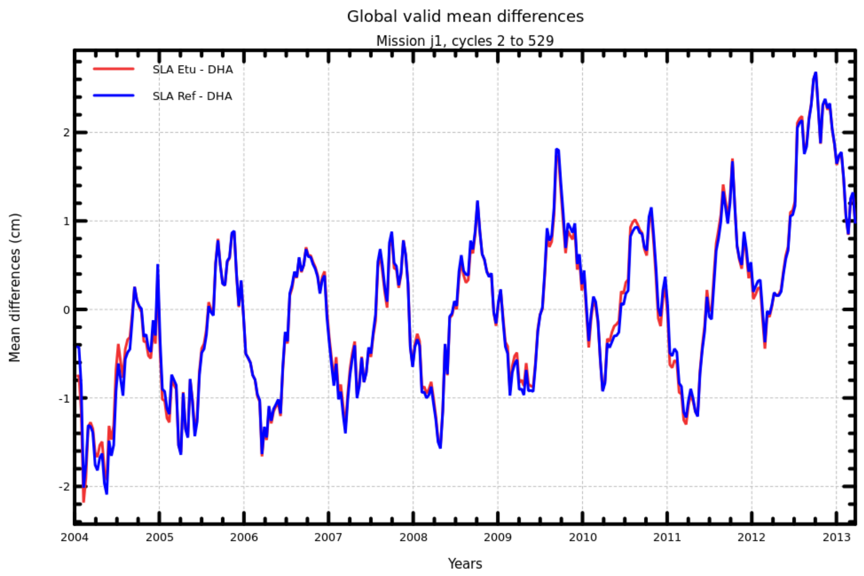
Diagnostic type : Altimetry and in-situ data comparaison

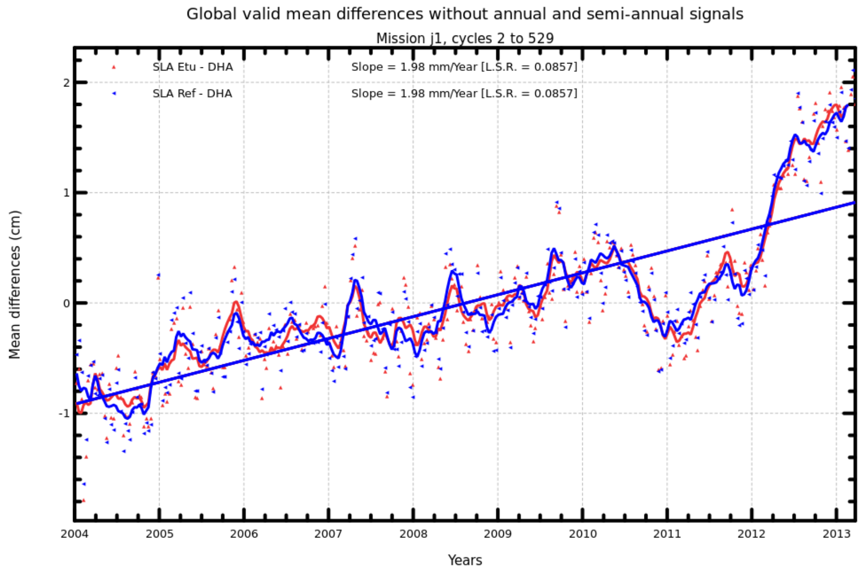
Diagnostic C102_a (mission j1)

Name : Temporal evolution of sea level differences between altimetry and Argo measurements

Input data : Argo sea level measurements

Description : The temporal evolution of the differences between altimetry and Argo measurements are computed by colocating altimeter data at the position and date of each Argo profiles. This is computed with both altimeter standards with and without the annual and semi-annual signals, for the North/South and East/West hemispheres.





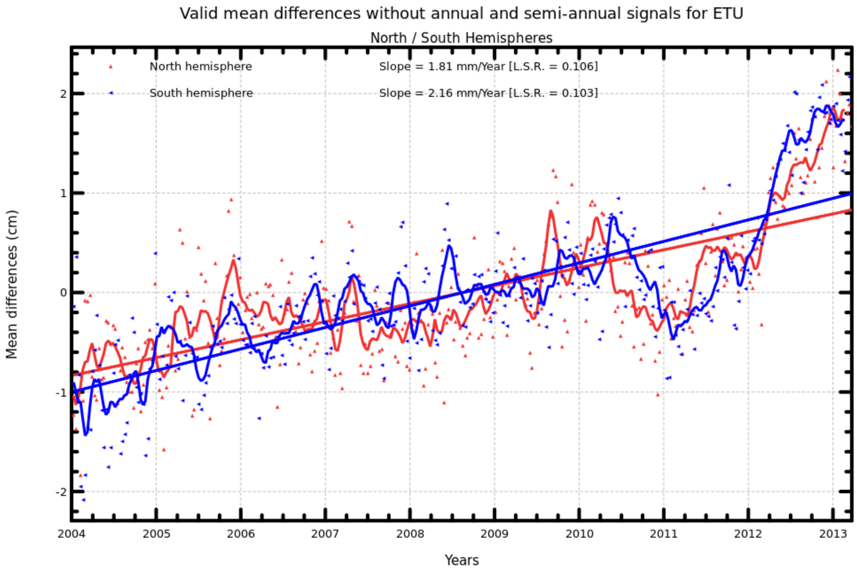
Diagnostic C102_b (mission j1)

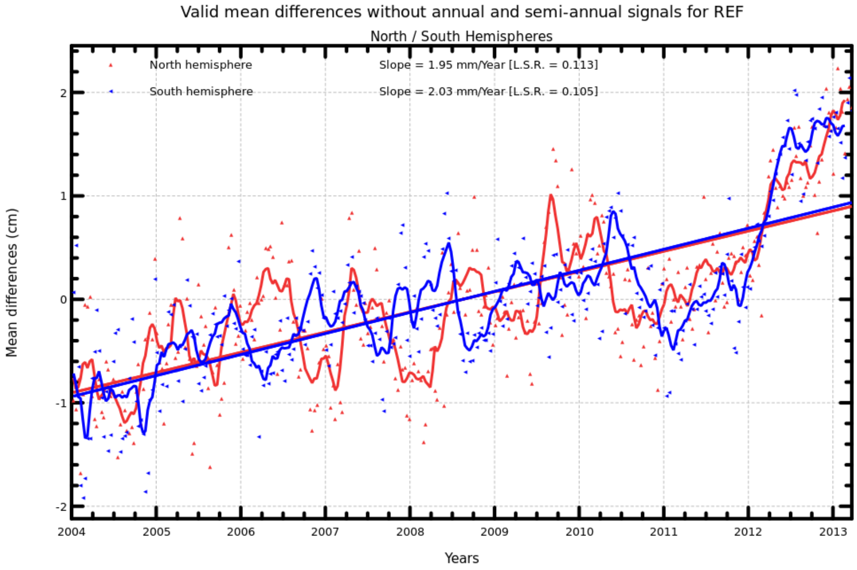
Name : Temporal evolution of sea level differences between altimetry and Argo measurements

Input data : Argo sea level measurements

Description : The temporal evolution of the differences between altimetry and Argo measurements are computed by colocating altimeter data at the position and date of each Argo profiles. This is computed with both altimeter standards with and without the annual and semi-annual signals, for the North/South and East/West hemispheres.

Diagnostic type : Altimetry and in-situ data comparaison



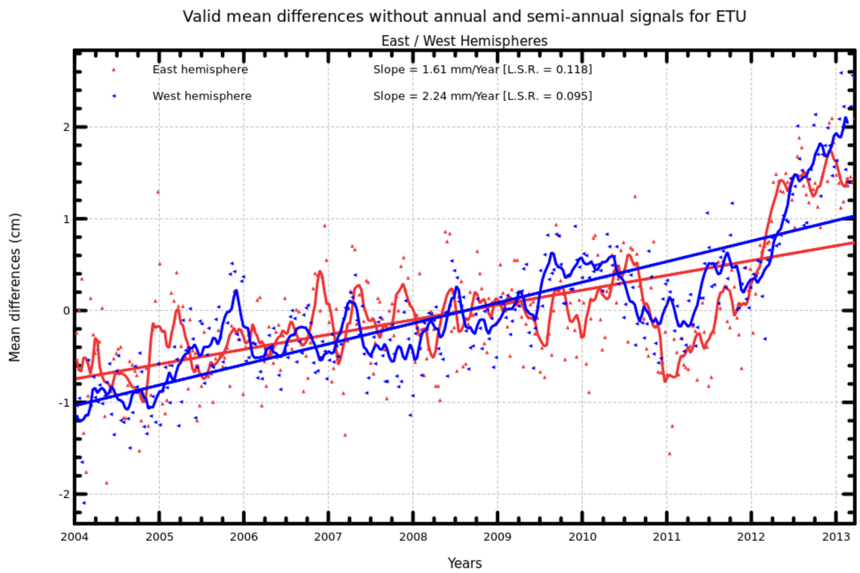


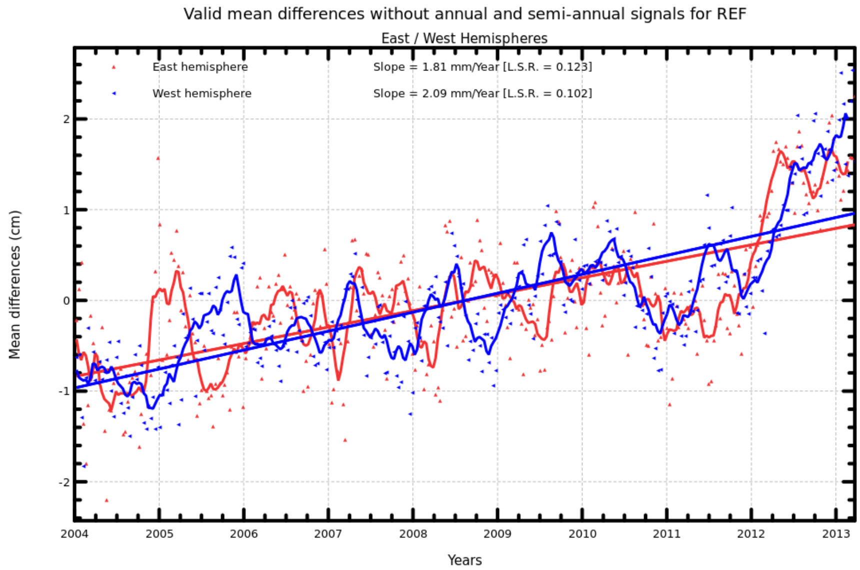
Diagnostic C102_c (mission j1)

Name : Temporal evolution of sea level differences between altimetry and Argo measurements

Input data : Argo sea level measurements

Description : The temporal evolution of the differences between altimetry and Argo measurements are computed by colocating altimeter data at the position and date of each Argo profiles. This is computed with both altimeter standards with and without the annual and semi-annual signals, for the North/South and East/West hemispheres.





Diagnostic type : Altimetry and in-situ data comparaison

C103

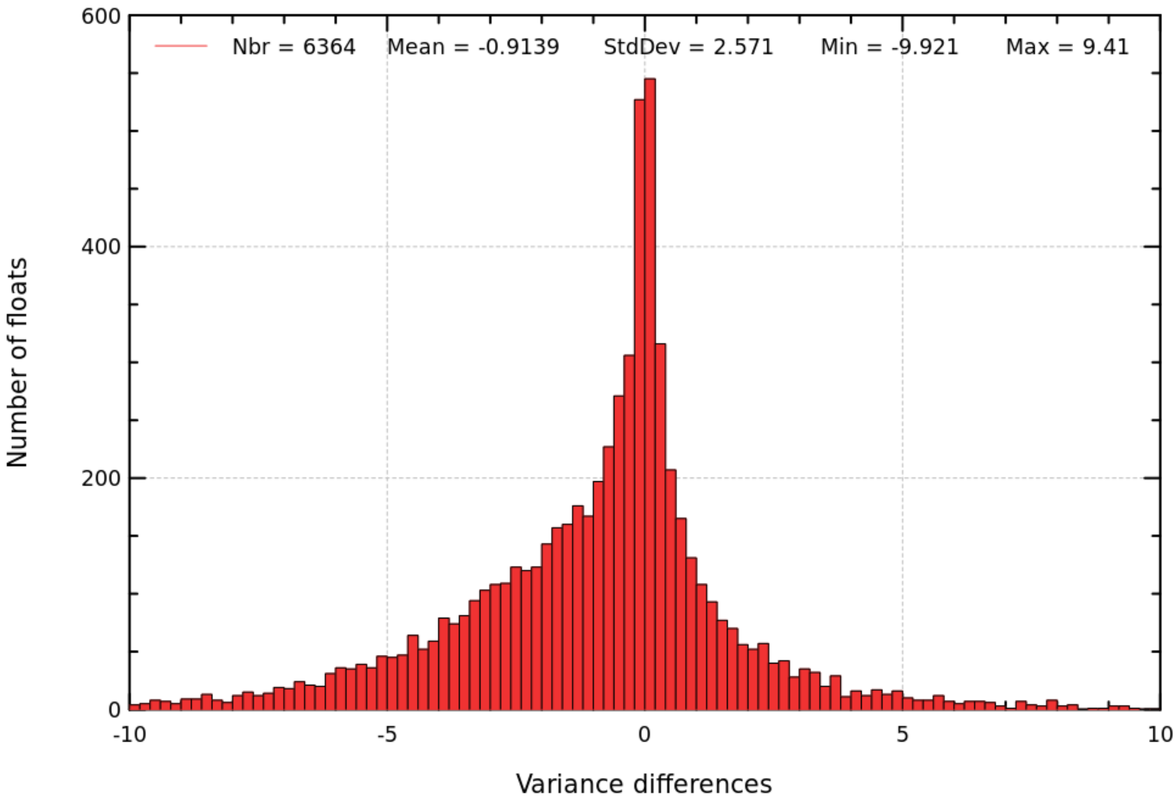
Diagnostic type : Altimetry and in-situ data comparaison

Diagnostic C103 (mission en)

Name : Histogram of the differences of the variances of altimetry - Argo differences

Input data : Argo sea level measurements

Description : The histogram of the difference of variances of sea level differences is computed from statistics derived from the timeseries of each Argo profiling floats using successively both altimeter standards in the SLA calculation. Negative (positive) values indicate that altimetry is more coherent with Argo with the studied (reference) correction.



Diagnostic type : Altimetry and in-situ data comparaison

Diagnostic C103 (mission j1)

Name : Histogram of the differences of the variances of altimetry - Argo differences

Input data : Argo sea level measurements

Description : The histogram of the difference of variances of sea level differences is computed from statistics derived from the timeseries of each Argo profiling floats using successively both altimeter standards in the SLA calculation. Negative (positive) values indicate that altimetry is more coherent with Argo with the studied (reference) correction.