



AVISO sea level anomalies

1. IDENTIFICATION INFORMATION

Name	AVISO sea level anomalies
Abbreviation	AVISO SLAs
Metadata Identifier	AVISO_SLAs20230727075605-en

2. CONTACT

2.1 CONTACT on DATASET

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2.2 CONTACT on PROJECT

3. DOCUMENT AUTHOR

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4. DATASET CREATOR

Name	Segment Sol multimissions dALTim trie, dOrbitographie et de localisation pr cise
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5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

revision : 2008-03-17

7. DATASET OVERVIEW

7.1 Abstract

The 1/3 degree Mercator gridded weekly merged sea-level anomalies (SLAs) data set is distributed by archiving, validation and interpretation of Satellite Oceanographic data (AVISO). SLA were merged from four satellite missions (TOPEX/Poseidon, ERS-1/2, Jason-1 and ENVISAT) using the

optimum interpolation technique (Le Traon et al., 1998).

The horizontal resolution of SLA maps is sufficient to investigate

mesoscale eddies with horizontal scales from 100 to 200 km.

7.2 Topic Category(ISO19139)

oceans

7.3 Temporal Extent

Begin Date	1992-10-14
End Date	2009-07-22
Temporal Characteristics	daily, 7days, 30days

7.4 Geographic Bounding Box

North latitude bound	82
West longitude bound	-180
Eastbound longitude	180
South latitude bound	-82

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
row	1080	0.3333333333333333 (deg)
column	915	0.3333333333333333 (deg)

7.6 Geographic Description

global

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	ocean, altimetry, satellite	

7.7.2 Keywords on Project

7.8 Online Resource

: <http://www.aviso.oceanobs.com/en/home/index.html>

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification

8. DATA PROCESSING

8.1 Data Processing (1)

8.1.1 General Explanation of the data producer's knowledge about the lineage of a dataset

8.1.2 Data Source

Data Source Citation Name	Description of derived parameters and processing techniques used

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

When using Ssalto/Duacs data (NRT or DT-(M)SLA and (M)ADT), please cite: "The altimeter products were produced by Ssalto/Duacs and distributed by Aviso, with support from Cnes (<http://www.aviso.oceanobs.com/duacs/>)".

10.2 Data Policy by the Project

11. LICENSE

12. DATA SOURCE ACKNOWLEDGEMENT

12.1 Acknowledge the Data Provider

12.2 Acknowledge the Project

13. REFERENCES

Le Traon, P.-Y., Nadal, F., Ducet, N., 1998. An improved mapping method of multisatellite altimeter data. *Journal Atmospheric and Oceanic Technology* 15, 522-534.