

IDEAS+ Daily Report for IOP data:

28/03/2015



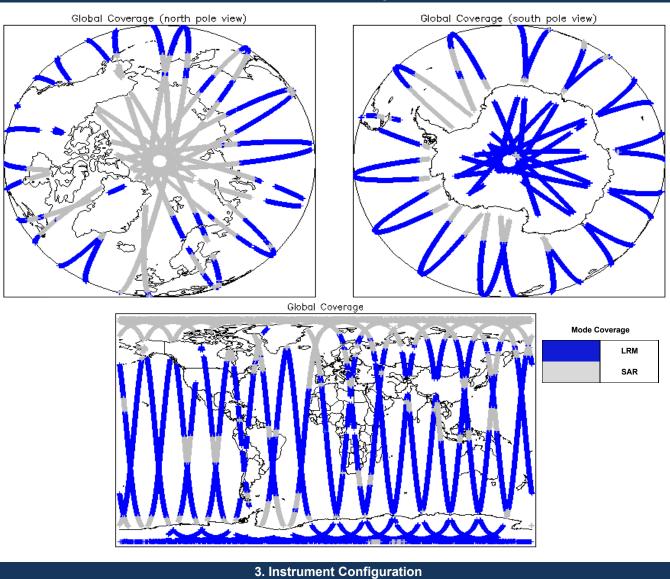
Report Production Date:	10-Apr-2015	Check	Status
		Server check: science-pds.cryosat.esa.int	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Server check: calval-pds.cryosat.esa.int	Nominal
	L1B and L2 Science Data	Product Software Check	Nominal
		Product Format Check	Nominal
		Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	Nominal
		Measurement Confidence Data Check	See Section 4.6, 5.5 and 5.6

Overview

Mission / Instrument News

27-Mar-2015Data generated with new processor version but old GDR-D orbit files.28-Mar-2015Data generated with new processor version but old GDR-D orbit files.29-Mar-2015Data generated with new processor version but old GDR-D orbit files.

2. Global Coverage



The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL - A

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SIRAL instrument(s) in use:

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Cach product is checked to detect auxiliary corrections flagged by the ground-station processing chain as missing or containing tumber of products with errors: 0 4.5 L1B Measurement Confidence Data Check CryoSat L1B data includes a measurement confidence flag (field 12) for each measurement record. The bit value of this flag includes of products with errors: 0 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag (field 65) for each measurement record. The bit value of this flag includes a waveform data flag (field 65) for each measurement record. The bit value of this flag includes a waveform data flag (field 65) for each measurement record. The bit value of this flag indicates any coss of Echo Flag: This flag is currently set for a large number of products over land, indicating that the tracking echo is missi tumber of products with errors: 45 5. LOP Level 2 Data Quality Check 5. L12 Product Format Check Cach product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HD Fumber of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and fumber of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the value funder of products with errors: 0 5.4 L2 Measurement Confidence Data Check	errors. cates any problems when set. problems when set. g.
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Number of products with errors: 0 5.4 L2 Measurement Confidence Data Check	
5.4 L2 Measurement Confidence Data Check	y of Auxiliary Data Files is correct.
CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement record. The bit value of this flag is an assessment	
	of the measurement quality by the processing chains.
Number of products with errors: 0	
5.5 L2 Range Measurement Check	
Each product is checked to detect range measurements flagged by the processing chain as missing or containing errors.	
Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.	
ce Range Averaging Status Flag: This flag is currently set for some products over land and continental ice.	
Number of products with errors: 222	
5.6 L2 SWH and Backscatter Measurement Check	
Each product is checked to detect parameters related to SWH and sigma0 that are flagged by the processing chain as missing	

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for some products over land and continental ice. 196

Number of products with errors: