

IDEAS+ Daily Report for IOP data:

25/04/2015



Mode Coverage

LRM SAR

		1. Overview		
Demand Developedie - Dedee	00.4== 0045	Check	Status	
Report Production Date:	28-Apr-2015	Server check: science-pds.cryosat.esa.int	Nominal	
Data Used:	Intermediate Ocean Products (IOP) L1B and L2 Science Data	Server check: calval-pds.cryosat.esa.int	Nominal	
		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 4.5, 4.6, 5.5 and 5.6	
26-Apr-2015 Nothing planne	ed	2. Global Coverage		
		<u> </u>		
Globo	Il Coverage (north pole view)	Global Coverage (south pole view)		
A			1/2	

Global Coverage

4.1 L1B Product Format Check

SIRAL instrument(s) in use:

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

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). 0

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.

3. Instrument Configuration

4. IOP Level 1B Data Quality Check

SIRAL - A

4.3 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with repsect to a p	re-determined baseline and also to cl	heck the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
Each product is checked to detect auxiliary corrections flagged by the ground	l-station processing chain as missing	or containing errors.
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag (field 12) for each	n measurement record. The bit value	of this flag indicates any problems when set.
Number of products with errors: 3		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20150425T022634_20150425T023819_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150425T081512_20150425T081950_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150425T201540_20150425T201812_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag (field 65) for each measurer	nent record. The bit value of this flag	indicates any problems when set.
Loss of Echo Flag: This flag is currently set for a large number of products (over land, indicating that the tracking	echo is missing.
Number of products with errors: 46		
5.	OP Level 2 Data Qual	itv Check
5.1 L2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML he	eader file (.HDR) and a binary product file (.DBL)
Number 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	nd SPH in order to identify any incons	sistencies and/or errors raised by the ground-segment processing chain.
Number 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 p	re-determined baseline and also to cl	heck the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
5.4 L2 Measurement Confidence Data Check		
CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measuremer	nt record. The bit value of this flag is a	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 proce	essing 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 b	be expected.
ce Range Averaging Status Flag: This flag is currently set for some produc	ts over land and continental ice.	
Number of products with errors: 243		
5.6 L2 SWH and Backscatter Measurement Check		
Each product is checked to detect parameters related to SWH and sigma0 th	at are flagged by the processing chai	in as missing or containing errors.
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SWH Averaging Status Flag: This flag is currently set for products over land	d and sea ice, but this is to be expect	ed.

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. 217

Number of products with errors: