

IDEAS+ Daily Report for IOP data:

25/07/2015



CRYOSAT		1. Overview	
port Production Date:	27-Jul-2015	Check	Status
		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 Nominal
	LTB and L2 Science Data	Product Software Check Product Format Check	Nominal
		Product Format Check 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
on / Instrument News			
Jul-2015 None			
Jul-2015 None			
Jul-2015 Nothing planned			
		2. Global Coverage	
Global	Coverage (north pole view)	Global Covers	<u>ige (south pole view)</u>
		Global Coverage	
			Mode Coverage LRM SAR

3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

0

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.

4.3 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with repsect to a pr	re-determined baseline and also to ch	eck the validity of Auxiliary Data Files is correct.
lumber of products with errors: 0		
I.4 L1B Auxiliary Correction Error Check		
Each product is checked to detect auxiliary corrections flagged by the ground-	-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	measurement record. The bit value of	of this flag indicates any problems when set.
Number of products with errors: 4		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20150725T004230_20150725T004634_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150725T010342_20150725T012056_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150725T121345_20150725T122028_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150725T155129_20150725T155815_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
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umber of products with errors: 41	-	-
Number of products with errors: 41 5. 10	over land, indicating that the tracking e	acho is missing.
Number of products with errors: 41 5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to	over land, indicating that the tracking e	echo is missing.
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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 or containing errors.

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. 185

Number of products with errors: