

IDEAS+ Daily Report for IOP data:

13/09/2014



CRYOSAT		<u></u>	
ckroshi		1. Overview	
			-
eport Production Date:	15-Sep-2014	Check	Status
	Intermediate Ocean Products (IOP)	Server check: science-pds.cryosat.esa.int Server check: calval-pds.cryosat.esa.int	Nominal Nominal
Data Used:	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 4.5, 4.6, 5.5 and 5.6
sion / Instrument News			
-Sep-2014 None -Sep-2014 None			
-Sep-2014 Nothing planned			
Cop 2014 Houning planned			
		2. Global Coverage	
		2. Clobal Coverage	
Global	Coverage (north pole view)	Global Co	verage (south pole view)
		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:

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). 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.

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Each product is checked for missing Data Set Descriptors with repsect to a p	re-determined baseline and also to che	eck the validity of Auxiliary Data Files is correct.
lumber of products with errors: 0		
1.4 L1B Auxiliary Correction Error Check		
Each product is checked to detect auxiliary corrections flagged by the ground	-station processing chain as missing o	r containing errors.
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Check		
	mean warrant record. The hit value of	this flag indicates any making when ast
CryoSat L1B data includes a measurement confidence flag (field 12) for each Number of products with errors: 3	measurement record. The bit value of	this hay indicates any problems when set.
Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20140913T064450_20140913T070353_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140913T163404_20140913T165117_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140913T193332_20140913T193522_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
4.6.1.4.P. Wayoform Crown Data Chaok		
4.6 L1B Waveform Group Data Check	and the bit of the second	d'ada an an abh an an bh
CryoSat L1B data includes a waveform data flag (field 65) for each measuren	-	
Loss of Echo Flag: This flag is currently set for a large number of products of	over land, indicating that the tracking e	cho is missing.
Number of products with errors: 40		
5. 1	OP Level 2 Data Qualit	ty 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 hea	der 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 ar	nd SPH in order to identify any inconsis	stencies 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 che	eck the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
5.4 L2 Measurement Confidence Data Check		
	t record. The bit value of this flag is ar	assessment of the measurement quality by the processing chains.
CrvoSat L2 data includes a quality flag (field 14) for each 20-Hz measuremen		
CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measuremen Number of products with errors: 0		
Number of products with errors: 0		
	j	
Number of products with errors: 0 5.5 L2 Range Measurement Check		rrors.
Number of products with errors: 0	ssing chain as missing or containing e	
Number of products with errors: 0 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the proce	ssing chain as missing or containing e over land and sea ice, but this is to be	
Number of products with errors: 0 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the proce Ocean Range Averaging Status Flag: This flag is currently set for products	ssing chain as missing or containing e over land and sea ice, but this is to be	
Number of products with errors: 0 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the proce Ocean Range Averaging Status Flag: This flag is currently set for products Ice Range Averaging Status Flag: This flag is currently set for some product Number of products with errors: 191	ssing chain as missing or containing e over land and sea ice, but this is to be	
Number of products with errors: 0 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the proce Ocean Range Averaging Status Flag: This flag is currently set for products Ice Range Averaging Status Flag: This flag is currently set for some products	ssing chain as missing or containing e over land and sea ice, but this is to be ts over land and continental ice.	expected.
Number of products with errors: 0 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the proce Dcean Range Averaging Status Flag: This flag is currently set for products ce Range Averaging Status Flag: This flag is currently set for some product Number of products with errors: 191 5.6 L2 SWH and Backscatter Measurement Check	ssing chain as missing or containing e over land and sea ice, but this is to be ts over land and continental ice. at are flagged by the processing chain	expected. as missing or containing errors.

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.

Number of products with errors:

175