

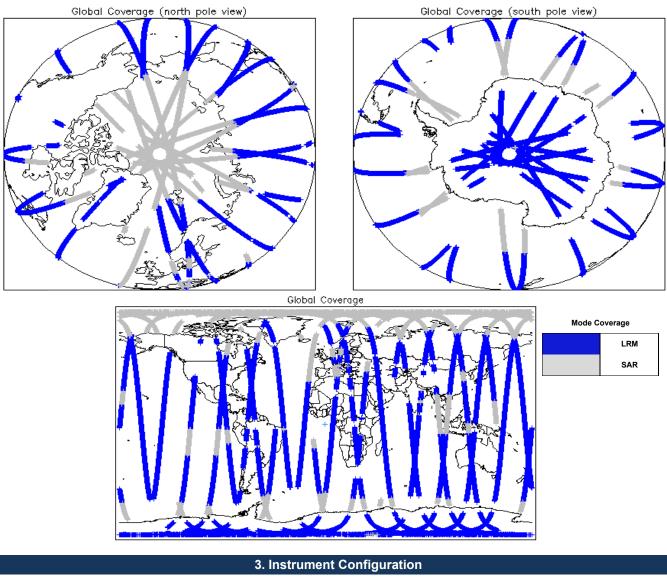
IDEAS+ Daily Report for IOP data:

<u>16/07/2014</u>



Report Production Date:	18-Jul-2014	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 4.5, 4.6, 5.5 and 5.6
ission / Instrument News			
15-Jul-2014 None			
16-Jul-2014 None			
17-Jul-2014 Nothing planned			





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).

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.

Number of products with errors:

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I.3 L1B Auxilary Data File Usage Check		
ach product is checked for missing Data Set Descriptors with repsect to a p	re-determined baseline and also to c	heck the validity of Auxiliary Data Files is correct.
umber of products with errors: 0		
.4 L1B Auxiliary Correction Error Check		
ach product is checked to detect auxiliary corrections flagged by the ground	I-station processing chain as missing	or containing errors.
umber of products with errors: 0		-
.5 L1B Measurement Confidence Data Check		
ryoSat 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.
umber of products with errors: 3		
roduct	Test Failed	Description
S_OFFL_SIR_IOP_1B_20140716T044850_20140716T050350_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
S_OFFL_SIR_IOP_1B_20140716T062551_20140716T064240_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
S_OFFL_SIR_IOP_1B_20140716T225042_20140716T225836_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
.6 L1B Waveform Group Data Check		
ryoSat 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.
oss of Echo Flag: This flag is currently set for a large number of products of	over land, indicating that the tracking	echo is missing.
umber of products with errors: 28		
5.	OP Level 2 Data Qual	ity Check
.1 L2 Product Format Check		
	angura it consists of both on XML bo	ander file (HDR) and a binary product file (DRI)
ach product, retrieved and unpacked from the science server, is checked to umber of products with errors: 0		
5.2 L2 Product Header Analysis		
or all products, a series of pre-defined checks are performed on the MPH a	nd SPH in order to identify any incons	sistencies and/or errors raised by the ground-segment processing chain.
umber of products with errors: 0		
i.3 L2 Auxiliary Data File Usage Check		
ach product is checked for missing Data Set Descriptors with respect to a p	re-determined baseline and also to c	heck the validity of Auxiliary Data Files is correct.
umber of products with errors: 0		
i.4 L2 Measurement Confidence Data Check		
ryoSat 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.
umber of products with errors: 0		
5.5 L2 Range Measurement Check		
ach product is checked to detect range measurements flagged by the proce	essing chain as missing or containing	errors.
Icean Range Averaging Status Flag: This flag is currently set for products	over land and sea ice, but this is to b	be expected.
e Range Averaging Status Flag: This flag is currently set for some produce	cts over land and continental ice.	
umber of products with errors: 151		
6.6 L2 SWH and Backscatter Measurement Check		
ach product is checked to detect parameters related to SWH and sigma0 th	at are flagged by the processing cha	in as missing or containing errors.
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WH 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.

Number of products with errors:

137