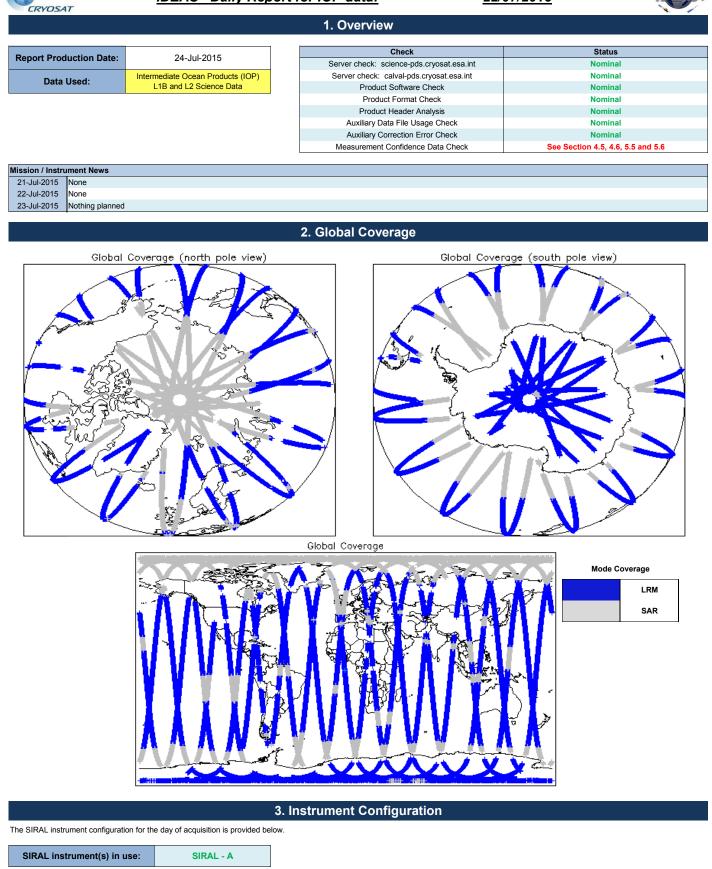


IDEAS+ Daily Report for IOP data:

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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 p	re-determined baseline and also to ch	neck 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	-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: 3		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20150722T045502_20150722T045939_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150722T114820_20150722T115519_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150722T180229_20150722T181414_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 measuren	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 of	over land, indicating that the tracking	echo is missing.
Number of products with errors: 41		
5. 1	OP Level 2 Data Quali	ity 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 be	ader file (HDR) and a binary product file (DBI)
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 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 ch	neck the validity of Auviliary Data Files is correct
Number of products with errors: 0		Not the validity of Auxiliary Data Files is COTECT.
5.4 L2 Measurement Confidence Data Check		
CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measuremen	t 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	ssing 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	e expected.
Ice Range Averaging Status Flag: This flag is currently set for some produc	ts over land and continental ice.	
Number of products with errors: 208		
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	n 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	ed.
Ocean Backscatter Averaging Status Flag: This flag is currently set for pro	duate over land and and inc. 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. 187

Number of products with errors: