

IDEAS Daily Report for IOP data:

<u>06/05/2014</u>



CRYDSAT	IDEAS Daily Report for IC	<u>OP data:</u> <u>06/05/2014</u>	IDEAS
		1. Overview	
eport Production Date:	09-May-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 Auxiliary Data File Usage Check	Nominal Nominal
		Auxiliary Correction Error Check	Nominal
		Measurement Confidence Data Check	See Section 4.5, 4.6, 5.4, 5.5 and 5.6
sion / Instrument News			
-May-2014 None -May-2014 None			
-May-2014 Nothing planner	d		
		2. Global Coverage	
Global	l Coverage (north pole view)	-	ige (south pole view)
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	Provide State		
A La Por	and all and all and all and all all all all all all all all all al		
	List	Global Coverage	
			Mode Coverage LRM SAR
	3.	Instrument Configuration	
e SIRAL instrument configura	ation for the day of acquisition is provided below.		
SIRAL instrument(s) in	use: SIRAL - A		
	4. IOP	Level 1B Data Quality Check	
1 L1B Product Form	nat Check		
		sure it consists of both an XML header file (.HDR) and a binary p	product file (.DBL).
mber of products with error			
2 L1B Product Head	der Analysis		

4.3 L1B Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with repsect to a pre Number of products with errors: 0	e-determined baseline and also to chec	k the validity of Auxiliary Data Files is correct.			
4.4 L1B Auxiliary Correction Error Check					
Each product is checked to detect auxiliary corrections flagged by the ground-s Number of products with errors: 0	station processing chain as missing or	containing errors.			
4.5 L1B Measurement Confidence Data Check					
CryoSat L1B data includes a measurement confidence flag (field 12) for each i	measurement record. The bit value of t	nis flag indicates any problems when set.			
Number of products with errors: 2					
Product	Test Failed	Description			
CS_OFFL_SIR_IOP_1B_20140506T021845_20140506T022200_B001	Power scaling error	There has been an error in the scaling of the L1B waveform			
CS_OFFL_SIR_IOP_1B_20140506T234615_20140506T235439_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 measurement 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: 36					
5. 10	P Level 2 Data Quality	/ Check			
5.1 L2 Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML head	er 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	d SPH in order to identify any inconsiste	encies 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 pre-determined baseline and also to check 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 measurement record. The bit value of this flag is an assessment of the measurement quality by the processing chains.					
Number of products with errors: 1					
Product	Test Failed	Description			
CS_OFFL_SIR_IOP_220140506T234615_20140506T235439_B001	Power scaling error	There has been an error in the scaling of the L1B waveform			
5.5 L2 Range Measurement Check					
Each product is checked to detect range measurements flagged by the proces	sing chain as missing or containing err	DIS.			
Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.					
Ice Range Averaging Status Flag: This flag is currently set for some products over land and continental ice.					
Number of products with errors: 200					
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.					
and a stranging outro i lag. This hag is currently set for products over land	and sea lee, 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. 167

Number of products with errors: