

IDEAS Daily Report for IOP data:

<u>14/05/2014</u>



CRYDSAT		<u>P data: 14/05/2014</u>	
		1. Overview	
Report Production Date:	16-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	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check Measurement Confidence Data Check	Nominal
			See Section 4.5, 4.6, 5.4, 5.5 and 5.6
ssion / Instrument News			
3-May-2014 None 4-May-2014 None			
5-May-2014 Nothing planned	d		
Global	l Coverage (north pole view)	2. Global Coverage	ge (south pole view)
			gu (outur pole view)
E Hay		Global Coverage	
			Mode Coverage
		nstrument Configuration	
e SIRAL instrument configurat	tion 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		
		ure it consists of both an XML header file (.HDR) and a binary p	roduct file (.DBL).
	1 5. U		
imber of products with error			
umber of products with error .2 L1B Product Head			

4.3 L1B Auxilary Data File Usage Check						
Each product is checked for missing Data Set Descripton Number of products with errors:	ors with repsect to a pre-det	ermined baseline and also to check the val	idity of Auxiliary Data Files is correct.			
4.4 L1B Auxiliary Correction Error Check						
Each product is checked to detect auxiliary corrections Number of products with errors:	flagged by the ground-static	on processing chain as missing or containir	ig errors.			
4.5 L1B Measurement Confidence Da	ta Check					
CryoSat L1B data includes a measurement confidence flag (field 12) for each measurement record. The bit value of this flag indicates any problems when set.						
Number of products with errors:	2					
Product		Test Failed	Description			
CS_OFFL_SIR_IOP_1B_20140514T020620_20140514		Power scaling error	There has been an error in the scaling of the L1B waveform			
CS_OFFL_SIR_IOP_1B_20140514T020636_20140514	4T020657_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. IOP	Level 2 Data Quality Che	ck			
5.1 L2 Product Format Check						
Each product, retrieved and unpacked from the science Number of products with errors:	0	e it consists of both an XML header life (.F	DR) and a binary product me (.DBL)			
5.2 L2 Product Header Analysis						
		H in order to identify any inconsistencies a	nd/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_220140514T020620_20140514	4T020636_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 processing 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 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: 2	212					
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: