

CRYDSAT	IDEAS Daily Report for IOP of	data: 03/06/2014	IDEAS Y		
1. Overview					
Report Production Date: Data Used:	05-Jun-2014 Intermediate Ocean Products (IOP) L1B and L2 Science Data	Check Server check: science-pds.cryosat.esa.int Server check: calval-pds.cryosat.esa.int Product Software Check Product Format Check Product Header Analysis Auxiliary Data File Usage Check Auxiliary Correction Error Check Measurement Confidence Data Check	Status         Nominal         Nominal         Nominal         Nominal         Nominal         Nominal         Nominal         See Section 4.5, 4.6, 5.4, 5.5 and 5.6		
Mission / Instrument News 02-Jun-2014 None 03-Jun-2014 None 04-Jun-2014 Nothing planned			See Section 4.0, 4.0, 0.4, 0.0 and 0.0		
2. Global Coverage					
Global	Coverage (north pole view)	Global Coverage	erage (south pole view)		
			Mode Coverage		
	3. Insti	rument Configuration			
The SIRAL instrument configurati	The SIRAL instrument configuration for the day of acquisition is provided below.				
SIRAL instrument(s) in use: SIRAL - A					
4. IOP Level 1B Data Quality Check					
4.1 L1B Product Format Check					
Each product, retrieved and unpa	acked from the science server, is checked to ensure it c	consists of both an XML header file (.HDR) and a bina	ry 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.

0

4.3 L1B Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with repsect to Number of products with errors: 0	a pre-determined baseline and also to cl	neck 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 grov Number of products with errors: 0	und-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 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_20140603T014845_20140603T014916_B001	Power scaling error	There has been an error in the scaling of the L1B waveform			
CS_OFFL_SIR_IOP_1B_20140603T231514_20140603T231638_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: 45					
5	. IOP Level 2 Data Qual	itv Check			
5.1 L2 Product Format Check					
Each product, retrieved and unpacked from the science server, is checked Number of products with errors: 0	d to ensure it consists of both an XML he	ader file (.HDR) and a binary product file (.DBL)			
5.2 L2 Product Header Analysis					
For all products, a series of pre-defined checks are performed on the MPH	H and 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 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_220140603T014845_20140603T014916_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: 213					
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: