



RYDSAT	IDEAS Daily Report for IC	<u>OP data:</u>	<u>02/06/2014</u>	IDEAS
		1. Overview	1	
			Check	Status
ort Production Date:	: 04-Jun-2014		ence-pds.cryosat.esa.int	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Server check: ca	alval-pds.cryosat.esa.int	Nominal
Data Oseu.	L1B and L2 Science Data		Software Check	Nominal
			Format Check	Nominal
			Header Analysis	Nominal Nominal
			a File Usage Check rection Error Check	Nominal
			confidence Data Check	See Section 4.5, 4.6, 5.4, 5.5 and 5.6
		<u>.</u>		
un-2014 None				
un-2014 None un-2014 Nothing planne	ed			
		2. Global Cove	rage	
Globo	al Coverage (north pole view)		Global Coverc	ige (south pole view)
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		and the state of the		
	3.	Instrument Confi	guration	
IRAL instrument configur	ation for the day of acquisition is provided below.			
RAL instrument(s) ir	n use: SIRAL - A			
	4. IOP	Level 1B Data Q	uality Check	
.1B Product Forr	mat Check			
product, retrieved and up	packed from the science server, is checked to ens	sure it consists of both an XM	L header file (.HDR) and a binary	product file (.DBL).
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	ors: 0			
er of products with erro	ors: 0			

Number of products with errors: 0

4.3 L1B Auxilary Data File Usage Check							
Each product is checked for missing Data Set Descriptors with reps Number of products with errors: 0	ect to a pre-determined baseline and als	o to check 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 Number of products with errors: 0	he ground-station processing chain as m	ssing or containing errors.					
4.5 L1B Measurement Confidence Data Checl	k						
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_20140602T052744_20140602T054011_E	Power scaling error	There has been an error in the scalir	ng of the L1B waveform				
CS_OFFL_SIR_IOP_1B_20140602T072159_20140602T073436_E	Power scaling error	There has been an error in the scalir	ng of the L1B waveform				
4.6 L1B Waveform Group Data Check	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 Q	uality Check					
5.1 L2 Product Format Check		,					
	bested to anouns it consists of both on V	Mil basdes file (UDD) and a biser conduct file (DDI)					
Each product, retrieved and unpacked from the science server, is c Number of products with errors: 0	necked to ensure it consists of both an X	vic neader life (.HDR) and a binary product life (.DBL)					
5.2 L2 Product Header Analysis							
For all products, a series of pre-defined checks are performed on the	e MPH and SPH in order to identify any	nconsistencies and/or errors raised by the ground-seg	ment 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 me Number of products with errors: 1	asurement record. The bit value of this fl	ag is an assessment of the measurement quality by the	e processing chains.				
Product	Test Failed	Description					
CS_OFFL_SIR_IOP_220140602T072159_20140602T073436_B	Power scaling error	There has been an error in the scalir	ng 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: 203							
5.6 L2 SWH and Backscatter Measurement Cl	heck						
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. 189

Number of products with errors: