

IDEAS+ Daily Report for IOP data:

20/07/2015



Report Production Date: 22-Jul Data Used: Intermediate Ocea L1B and L2 of 19-Jul-2015 None 20-Jul-2015 None 20-Jul-2015 Nothing planned Global Coverage (nor	-2015	1. Overview Check	Status
Intermediate Ocer LTB and L2 St Intermediate Ocer LTB and L2 St Ission / Instrument News 19-Jul-2015 None 20-Jul-2015 None 21-Jul-2015 Nothing planned Global Coverage (not Output of the second se	-2015		Clature
Data Used: Ission / Instrument News 19-Jul-2015 20-Jul-2015 None None Clobal Coverage (non Clobal Cover	-2015	Check	Ctatur
Intermediate Ocer L1B and L2 St ission / Instrument News 19-Jul-2015 None 20-Jul-2015 Nothing planned Global Coverage (not Global Coverage (not Out			
ssion / Instrument News 19-Jul-2015 None 21-Jul-2015 Nothing planned Global Coverage (nor Global Coverage (nor Global Coverage (nor Coverage (nor C		Server check: science-pds.cryosat.esa.int	Nominal
ssion / Instrument News 19-Jul-2015 20-Jul-2015 None Nothing planned Clobal Coverage (nor Clobal Coverag	In Products (IOP)	Server check: calval-pds.cryosat.esa.int	Nominal
9-Jul-2015 None Nothing planned Global Coverage (nor	cience Data	Product Software Check	Nominal
9-Jul-2015 None 1-Jul-2015 Nothing planned Global Coverage (nor Coverage		Product Format Check	Nominal
9-Jul-2015 None I-Jul-2015 Nothing planned Global Coverage (nor Coverage		Product Header Analysis	Nominal
9-Jul-2015 None 1-Jul-2015 Nothing planned Global Coverage (nor Coverage		Auxiliary Data File Usage Check	Nominal
9-Jul-2015 None Nothing planned Global Coverage (nor		Auxiliary Correction Error Check	Nominal
9-Jul-2015 None Nothing planned Global Coverage (nor		Measurement Confidence Data Check	See Section 4.5, 4.6, 5.5 and 5.6
9-Jul-2015 None Nothing planned Global Coverage (nor			
10-Jul-2015 Nothing planned			
Global Coverage (nor			
Global Coverage (nor			
		2. Global Coverage	
	th pole view)	Global Cov	verage (south pole view)
		Global Coverage	
			Mode Coverage
	3.	Instrument Configuration	
e SIRAL instrument configuration for the day of acqu	isition is provided below.		
SIRAL instrument(s) in use: S	IRAL - A		
	_4. IOP	Level 1B Data Quality Check	
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). 0

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 pre-de Number of products with errors: 0	termined baseline and also to check the va	lidity 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-stat Number of products with errors: 0	ion processing chain as missing or containi	ng 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: 1					
Product	Test Failed	Description			
CS_OFFL_SIR_IOP_1B_20150720T092726_20150720T094029_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: 41					
5. IOP Level 2 Data Quality 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 header 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 SPH in order to identify any inconsistencies 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: 0					
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: 199					
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. 183

Number of products with errors: