

IDEAS+ Daily Report for IOP data:

24/09/2014



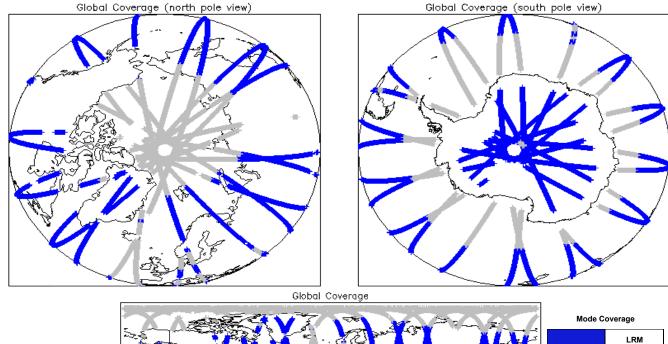
Report Production Date:	26-Sep-2014	Check	Status
		Server check: science-pds.cryosat.esa.int	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Server check: calval-pds.cryosat.esa.int	Nominal
	L1B and L2 Science Data	Product Software Check	Nominal
		Product Format Check	Nominal
		Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	Nominal
		Measurement Confidence Data Check	See Section 4.5, 4.6, 5.5 and 5.6

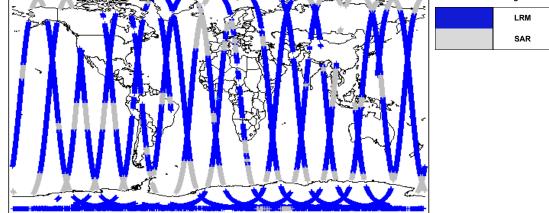
#### Mission / Instrument News 23-Sep-2014 None

24-Sep-2014 SIRAL unavailability on 24-September-2014 from 07:05:55 to 08:52:22 due to a planned orbit manoeuvre.

25-Sep-2014 Nothing planned

# 2. Global Coverage





## 3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL - A

0

### SIRAL instrument(s) in use:

# 4. IOP Level 1B Data Quality Check

### 4.1 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).

# 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.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with repsect to a pr	e-determined baseline and also to ch	neck the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
Each product is checked to detect auxiliary corrections flagged by the ground-	station processing chain as missing (	or containing errors.
Number of products with errors: 0		
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	of this flag indicates any problems when set
Number of products with errors: 4		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20140924T013237_20140924T013714_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140924T114336_20140924T115747_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140924T135057_20140924T140444_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140924T171636_20140924T172727_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
	·	
Number of products with errors: 38 5. [C	ver land, indicating that the tracking e	
Number of products with errors:       38         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to	DP Level 2 Data Quali	ity Check
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Number of products with errors:       38         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to         Number of products with errors:       0         5.2 L2 Product Header Analysis	DP Level 2 Data Quali	ity Check ader file (.HDR) and a binary product file (.DBL)
Number of products with errors:       38         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to 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	DP Level 2 Data Quali	ity Check ader file (.HDR) and a binary product file (.DBL)
Number of products with errors:       38         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to 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 an Number of products with errors:         0	DP Level 2 Data Quali	ity Check ader file (.HDR) and a binary product file (.DBL)
Number of products with errors:       38         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to 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 an Number of products with errors:         0         5.3 L2 Auxiliary Data File Usage Check	DP Level 2 Data Quali ensure it consists of both an XML her d SPH in order to identify any incons	ity Check ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain.
Number of products with errors:       38         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to 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 an 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 product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors product is checked for missing Data Set Descriptor product is checked for mis	DP Level 2 Data Quali ensure it consists of both an XML her d SPH in order to identify any incons	ity Check ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain.
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Number of products with errors:       38         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to 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 an 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 providence 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 Number of products with errors:         0         5.5 L2 Range Measurement Check         Each product is checked to detect range measurements flagged by the proces	DP Level 2 Data Quali ensure it consists of both an XML her d SPH in order to identify any incons e-determined baseline and also to ch t record. The bit value of this flag is a ssing chain as missing or containing of	Ity Check ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. neck the validity of Auxiliary Data Files is correct. n assessment of the measurement quality by the processing chains. errors.
5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to 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 an 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 product 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	DP Level 2 Data Quali ensure it consists of both an XML here d SPH in order to identify any incons e-determined baseline and also to ch t record. The bit value of this flag is a ssing chain as missing or containing of over land and sea ice, but this is to be	Ity Check ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. neck the validity of Auxiliary Data Files is correct. n assessment of the measurement quality by the processing chains. errors.

## 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. 149

Number of products with errors: