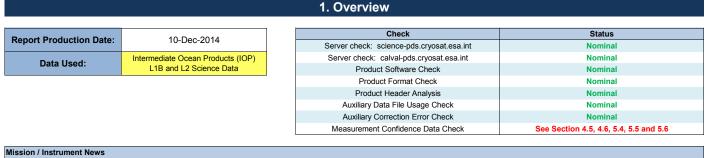


IDEAS+ Daily Report for IOP data:

<u>05/12/2014</u>

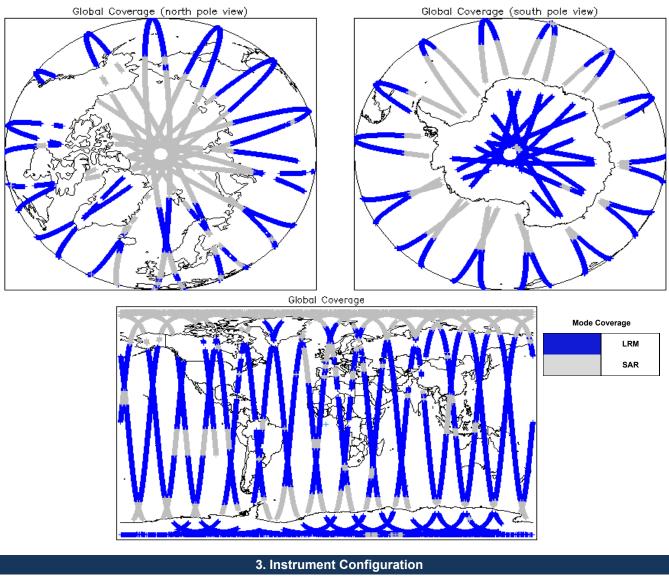




04-Dec-2014 SIRAL unavailability on 4-December-2014 from 12:16:06 to 14:02:14 due to a planned orbit manoeuvre. 05-Dec-2014 None

06-Dec-2014 Nothing planned

2. Global Coverage



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

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.

SIRAL - A

Each product is checked for missing Data Set Descriptors with repsect to a pre	e-determined baseline and also to ch	eck 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 i	measurement record. The bit value	of this flag indicates any problems when set.
Number of products with errors: 3		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20141205T002303_20141205T003129_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20141205T152133_20141205T152255_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20141205T170042_20141205T170208_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
A C L 4D Waysform Crown Data Chask		
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag (field 65) for each measurem	ent 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 ov	ver land, indicating that the tracking	echo is missing.
Number of products with errors: 44		
5. 10	P Level 2 Data Qual	itv Check
5.1 L2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML he	ader 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	d SPH in order to identify any incons	sistencies and/or errors raised by the ground-segment processing chain.
. or all producto, a conce of pre defined encode are performed on the METT and		
Number of products with errors: 0		
Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check		
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-		reck the validity of Auxiliary Data Files is correct.
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-		eck the validity of Auxiliary Data Files is correct.
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 pressure of products with errors: 0		eck the validity of Auxiliary Data Files is correct.
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 pressure of products with errors: 0 5.4 L2 Measurement Confidence Data Check	e-determined baseline and also to ch	
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 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	e-determined baseline and also to ch	
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 pressure 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: 1	e-determined baseline and also to ch	
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 prevent 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: 1 Product	e-determined baseline and also to ch record. The bit value of this flag is a	an assessment of the measurement quality by the processing chains.
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 prevention 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: 1 Product 1 CS_OFFL_SIR_IOP_2_20141205T002303_20141205T003129_B001	e-determined baseline and also to ch record. The bit value of this flag is a	an assessment of the measurement quality by the processing chains. Description
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 pressure 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: 1 Product 1 CS_OFFL_SIR_IOP_2_20141205T002303_20141205T003129_B001	e-determined baseline and also to ch record. The bit value of this flag is a	an assessment of the measurement quality by the processing chains. Description
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 pressure of products with errors: 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 Number of products with errors: 1 Product CS_OFFL_SIR_IOP_2_20141205T002303_20141205T003129_B001 5.5 L2 Range Measurement Check	e-determined baseline and also to ch record. The bit value of this flag is a Test Failed Power scaling error	an assessment of the measurement quality by the processing chains. Description There has been an error in the scaling of the L1B waveform
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- Number of products with errors: 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 Number of products with errors: 1 Product 1 CS_OFFL_SIR_IOP_2_20141205T002303_20141205T003129_B001 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the proces	e-determined baseline and also to ch record. The bit value of this flag is a Test Failed Power scaling error	an assessment of the measurement quality by the processing chains. Description There has been an error in the scaling of the L1B waveform
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 pressure of products with errors: 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 Number of products with errors: 1 Product 1 CS_OFFL_SIR_IOP_2_20141205T002303_20141205T003129_B001 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the process Ocean Range Averaging Status Flag: This flag is currently set for products of the products of the product of the products of the product of	e-determined baseline and also to ch record. The bit value of this flag is a Test Failed Power scaling error ssing chain as missing or containing over land and sea ice, but this is to b	an assessment of the measurement quality by the processing chains. Description There has been an error in the scaling of the L1B waveform
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 pressore of products with errors: 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 Number of products with errors: 1 Product CS_OFFL_SIR_IOP_2_20141205T002303_20141205T003129_B001 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the process Ocean Range Averaging Status Flag: This flag is currently set for products of the Range Averaging Status Flag: This flag is currently set for some products	e-determined baseline and also to ch record. The bit value of this flag is a Test Failed Power scaling error ssing chain as missing or containing over land and sea ice, but this is to b	an assessment of the measurement quality by the processing chains. Description There has been an error in the scaling of the L1B waveform
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 pression of products with errors: 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 Number of products with errors: 1 Product 1 CS_OFFL_SIR_IOP_2_20141205T002303_20141205T003129_B001 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the process Ocean Range Averaging Status Flag: This flag is currently set for products of the Range Averaging Status Flag: This flag is currently set for some products Number of products with errors: 241	e-determined baseline and also to ch record. The bit value of this flag is a Test Failed Power scaling error ssing chain as missing or containing over land and sea ice, but this is to b	an assessment of the measurement quality by the processing chains. Description There has been an error in the scaling of the L1B waveform
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- Number of products with errors: 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 Number of products with errors: 1 Product 1 CS_OFFL_SIR_IOP_2_20141205T002303_20141205T003129_B001 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the process Ocean Range Averaging Status Flag: This flag is currently set for products of the Range Averaging Status Flag: This flag is currently set for some products Number of products with errors: 241 5.6 L2 SWH and Backscatter Measurement Check	e-determined baseline and also to ch record. The bit value of this flag is a Test Failed Power scaling error ssing chain as missing or containing over land and sea ice, but this is to b s over land and continental ice.	an assessment of the measurement quality by the processing chains. Description There has been an error in the scaling of the L1B waveform errors. e expected.
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 pression 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: 1 Product 1 CS_OFFL_SIR_IOP_2_20141205T002303_20141205T003129_B001 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the process Dcean Range Averaging Status Flag: This flag is currently set for products of the products with errors: 241 5.6 L2 SWH and Backscatter Measurement Check Each product is checked to detect parameters related to SWH and sigma0 that	e-determined baseline and also to ch record. The bit value of this flag is a Test Failed Power scaling error ssing chain as missing or containing over land and sea ice, but this is to b s over land and continental ice.	an assessment of the measurement quality by the processing chains. Description There has been an error in the scaling of the L1B waveform errors. e expected.
Aumber 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- 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 Number of products with errors: 1 Product CS_OFFL_SIR_IOP_2_20141205T002303_20141205T003129_B001 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the process Ocean Range Averaging Status Flag: This flag is currently set for products of the products with errors: Cate Range Averaging Status Flag: This flag is currently set for some product and the products with errors: Cate Range Averaging Status Flag: This flag is currently set for some product and the products with errors: Cate Range Averaging Status Flag: This flag is currently set for some product and the products with errors: Cate Range Averaging Status Flag: This flag is currently set for some product and the products with errors: Cate Range Averaging Status Flag: This flag is currently set for some product and the products with errors: Cate Range Averaging Status Flag: This flag is currently set for some product and the products with errors: Cate Range Averaging Status Flag: This flag is currently set for some product and the product set for productse	e-determined baseline and also to ch record. The bit value of this flag is a Test Failed Power scaling error esing chain as missing or containing over land and sea ice, but this is to b s over land and continental ice.	an assessment of the measurement quality by the processing chains. Description There has been an error in the scaling of the L1B waveform errors. e expected. n as missing or containing errors. ed.

Ice Backscatter Averaging Status Flag: This flag is currently set for some products over land and continental ice. 214

Number of products with errors: