

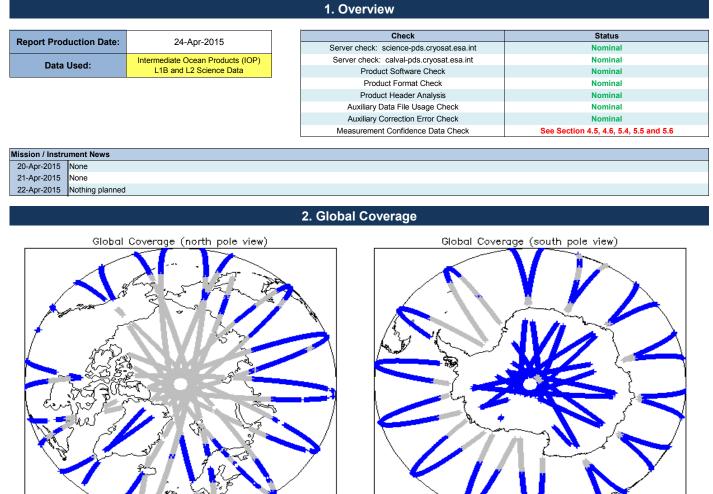
IDEAS+ Daily Report for IOP data:

<u>21/04/2015</u>



Mode Coverage

LRM SAR





Global Coverage

3. Instrument Configuration

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.

0

SIRAL - A

Each product is checked for missing Data Set Descriptors with repsect to a p Iumber of products with errors: 0	re-determined baseline and also to ch	eck 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 ground	l-station processing chain as missing	pr containing errors.
lumber of products with errors: 0		,
I.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag (field 12) for each	n measurement record. The bit value o	f this flag indicates any problems when set.
lumber of products with errors: 4		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20150421T011856_20150421T013627_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150421T152936_20150421T153344_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150421T165840_20150421T170630_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150421T204011_20150421T204555_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 measurer	ment record. The bit value of this flag i	ndicates any problems when set.
.oss of Echo Flag: This flag is currently set for a large number of products	over land, indicating that the tracking e	echo is missing.
lumber of products with errors: 47		-
5.	OP Level 2 Data Quali	ty Check
5.1 L2 Product Format Check		
ach product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML hea	ader file (.HDR) and a binary product file (.DBL)
lumber of products with errors: 0		
Jumber of products with errors:     0       5.2 L2 Product Header Analysis		
	nd SPH in order to identify any inconsi	stencies and/or errors raised by the ground-segment processing chain.
5.2 L2 Product Header Analysis	nd SPH in order to identify any inconsi	stencies and/or errors raised by the ground-segment processing chain.
5.2 L2 Product Header Analysis	nd SPH in order to identify any inconsi	stencies and/or errors raised by the ground-segment processing chain.
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH and Number of products with errors:         0         5.3 L2 Auxiliary Data File Usage Check		
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH and analysis         Iumber 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 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 point 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 at Humber 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 parameter of products with errors:         0         5.4 L2 Measurement Confidence Data Check	re-determined baseline and also to ch	eck the validity of Auxiliary Data Files is correct.
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH and 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 point of products with errors:         0	re-determined baseline and also to ch	eck the validity of Auxiliary Data Files is correct.
5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and Aumber of products with errors:  5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a p Aumber of products with errors:  6.4 L2 Measurement Confidence Data Check CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement	re-determined baseline and also to ch	eck the validity of Auxiliary Data Files is correct.
5.2 L2 Product Header Analysis         or all products, a series of pre-defined checks are performed on the MPH at lumber of products with errors:         0         5.3 L2 Auxiliary Data File Usage Check         tach product is checked for missing Data Set Descriptors with respect to a p lumber of products with errors:         0         5.4 L2 Measurement Confidence Data Check         tryoSat L2 data includes a quality flag (field 14) for each 20-Hz measuremer lumber of products with errors:         2         roduct	re-determined baseline and also to ch nt record. The bit value of this flag is a	eck the validity of Auxiliary Data Files is correct. n assessment of the measurement quality by the processing chains.
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH at 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 plumber 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 measuremer Aumber of products with errors:         2	re-determined baseline and also to ch nt record. The bit value of this flag is a Test Failed	eck the validity of Auxiliary Data Files is correct. n assessment of the measurement quality by the processing chains. Description There has been an error in the scaling of the L1B waveform
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH at Humber 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 part 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 lumber of products with errors:         2         Product         2S_OFFL_SIR_IOP_2_20150421T011856_20150421T013627_B001	re-determined baseline and also to ch nt record. The bit value of this flag is a Test Failed Power scaling error	eck the validity of Auxiliary Data Files is correct. n assessment of the measurement quality by the processing chains. Description There has been an error in the scaling of the L1B waveform
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH at Humber 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 part 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 measuremer humber of products with errors:         2         Product         2S_OFFL_SIR_IOP_2_20150421T011856_20150421T013627_B001         CS_OFFL_SIR_IOP_2_20150421T204011_20150421T204555_B001	re-determined baseline and also to ch nt record. The bit value of this flag is a Test Failed Power scaling error Power scaling error	eck the validity of Auxiliary Data Files is correct. n assessment of the measurement quality by the processing chains. Description There has been an error in the scaling of the L1B waveform There has been an error in the scaling of the L1B waveform
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH and a sumber 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 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 measuremer         Number of products with errors:       2         Product       2         So OFFL_SIR_IOP_2_20150421T011856_20150421T013627_B001         CS_OFFL_SIR_IOP_2_20150421T204011_20150421T204555_B001         5.5 L2 Range Measurement Check	re-determined baseline and also to ch nt record. The bit value of this flag is a Test Failed Power scaling error Power scaling error	eck the validity of Auxiliary Data Files is correct.  n assessment of the measurement quality by the processing chains.  Description There has been an error in the scaling of the L1B waveform There has been an error in the scaling of the L1B waveform errors.
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH at Jumber 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 plumber 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 measuremer         Rumber of products with errors:       2         Product         SS_OFFL_SIR_IOP_2_20150421T011856_20150421T013627_B001         CS_S L2 Range Measurement Check         Each product is checked to detect range measurements flagged by the proces         Opean Range Averaging Status Flag: This flag is currently set for products	re-determined baseline and also to ch nt record. The bit value of this flag is a Test Failed Power scaling error Power scaling error essing chain as missing or containing e	eck the validity of Auxiliary Data Files is correct.  n assessment of the measurement quality by the processing chains.  Description There has been an error in the scaling of the L1B waveform There has been an error i
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH at Humber 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 part 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 measuremer lumber of products with errors:         2         Product         2S_OFFL_SIR_IOP_2_20150421T011856_20150421T013627_B001         2S_OFFL_SIR_IOP_2_20150421T204011_20150421T204555_B001         5.5 L2 Range Measurement Check         Each product is checked to detect range measurements flagged by the process	re-determined baseline and also to ch nt record. The bit value of this flag is a Test Failed Power scaling error Power scaling error essing chain as missing or containing e	eck the validity of Auxiliary Data Files is correct.  n assessment of the measurement quality by the processing chains.  Description There has been an error in the scaling of the L1B waveform There has been an error i

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. 229

Number of products with errors: