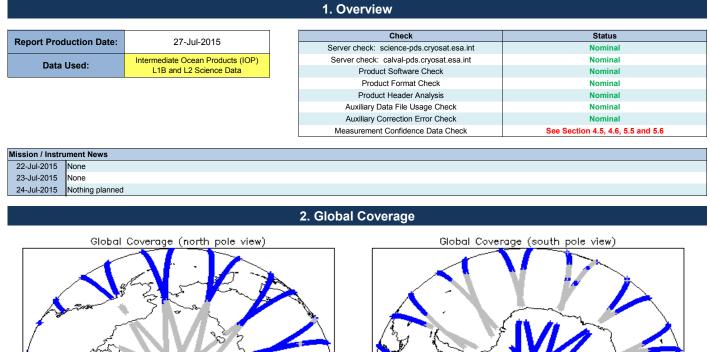
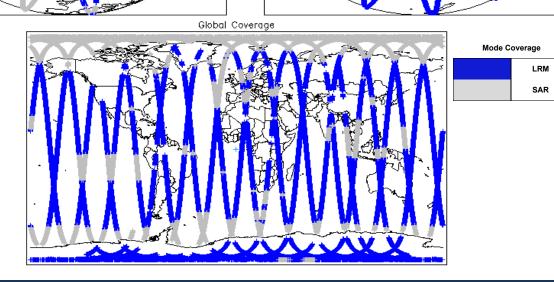


IDEAS+ Daily Report for IOP data:

23/07/2015







3. Instrument Configuration

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



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.

Each product is checked for missing Data Set Descriptors with repsect to a pr	e-determined baseline and also to che	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 c	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	f this flag indicates any problems when set.
Number of products with errors: 3		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20150723T061535_20150723T063641_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150723T155356_20150723T160042_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150723T220218_20150723T221146_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 measurem	ent record. The bit value of this flag ir	ndicates any problems when set.
.oss of Echo Flag: This flag is currently set for a large number of products o	ver land, indicating that the tracking e	cho is missing.
Number of products with errors: 42		
c 1/		the Oback
5. <mark>I</mark>	DP Level 2 Data Qualit	ty 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 hea	der 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 an	d SPH in order to identify any inconsis	stencies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.3 L2 Auxiliary Data File Usage Check		
5.3 L2 Auxiliary Data File Usage Check	e-determined baseline and also to che	eck the validity of Auxiliary Data Files is correct.
5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pr Number of products with errors: 0	e-determined baseline and also to che	eck the validity of Auxiliary Data Files is correct.
Each product is checked for missing Data Set Descriptors with respect to a products with errors: 0	e-determined baseline and also to che	eck the validity of Auxiliary Data Files is correct.
Each product is checked for missing Data Set Descriptors with respect to a products of products with errors: 0 5.4 L2 Measurement Confidence Data Check		
Each product is checked for missing Data Set Descriptors with respect to a provide the 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		
Each product is checked for missing Data Set Descriptors with respect to a products of products with errors: 0 5.4 L2 Measurement Confidence Data Check		
Each product is checked for missing Data Set Descriptors with respect to a provide the 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		
Each product is checked for missing Data Set Descriptors with respect to a provide 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	t record. The bit value of this flag is an	n assessment of the measurement quality by the processing chains.
Each product is checked for missing Data Set Descriptors with respect to a products of products with errors: 0 5.4 L2 Measurement Confidence Data Check 0 CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement 0 Number of products with errors: 0 5.5 L2 Range Measurement Check 0	t record. The bit value of this flag is an structure of this flag is an structure of this flag is an structure of the structu	n assessment of the measurement quality by the processing chains.
Each product is checked for missing Data Set Descriptors with respect to a provide the products with errors: 0 5.4 L2 Measurement Confidence Data Check 0 CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement 0 Number of products with errors: 0 5.5 L2 Range Measurement Check 0 Each product is checked to detect range measurements flagged by the process	t record. The bit value of this flag is an ssing chain as missing or containing e over land and sea ice, but this is to be	n assessment of the measurement quality by the processing chains.
Each product is checked for missing Data Set Descriptors with respect to a products 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 process Ocean Range Averaging Status Flag: This flag is currently set for products of	t record. The bit value of this flag is an ssing chain as missing or containing e over land and sea ice, but this is to be	n assessment of the measurement quality by the processing chains.
Each product is checked for missing Data Set Descriptors with respect to a provide of products with errors: 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 Creean Range Averaging Status Flag: This flag is currently set for products of ce Range Averaging Status Flag: This flag is currently set for some products	t record. The bit value of this flag is an ssing chain as missing or containing e over land and sea ice, but this is to be	n assessment of the measurement quality by the processing chains.
Each product is checked for missing Data Set Descriptors with respect to a products of products with errors: 0 5.4 L2 Measurement Confidence Data Check 0 CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement 0 Number of products with errors: 0 5.5 L2 Range Measurement Check 0 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 ce Range Averaging Status Flag: This flag is currently set for some product Number of products with errors: 209	t record. The bit value of this flag is an ssing chain as missing or containing e over land and sea ice, but this is to be ts over land and continental ice.	n assessment of the measurement quality by the processing chains. rrors.
Each product is checked for missing Data Set Descriptors with respect to a provide the products with errors: 0 5.4 L2 Measurement Confidence Data Check 0 CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement 0 Number of products with errors: 0 5.5 L2 Range Measurement Check 0 5.5 L2 Range Measurement Check 0 Each product is checked to detect range measurements flagged by the procest Decean Range Averaging Status Flag: This flag is currently set for products of ce Range Averaging Status Flag: This flag is currently set for some product Number of products with errors: 209 5.6 L2 SWH and Backscatter Measurement Check 0	t record. The bit value of this flag is an ssing chain as missing or containing e over land and sea ice, but this is to be ts over land and continental ice.	as missing or containing errors.

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. 184

Number of products with errors: