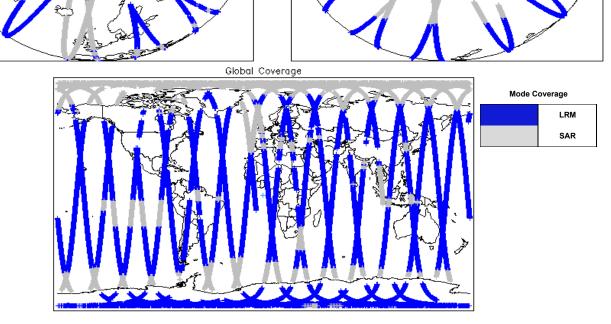


IDEAS+ Daily Report for IOP data:

<u>04/08/2014</u>



		1. Overview	
Papart Production Date:	07 Aug 2014	Check	Status
Report Production Date:	port Production Date: 07-Aug-2014	Server check: science-pds.cryosat.esa.int	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Server check: calval-pds.cryosat.esa.int	Nominal
Data Used:	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, 5.4, 5.5 and 5.6
5-Aug-2014 Nothing planned		2. Global Coverage	
Global	Coverage (north pole view)	Global Cover	age (south pole view)
	A C C C C C C C C C C C C C C C C C C C		



3. Instrument Configuration

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

## SIRAL instrument(s) in use: SIRAL - A

## 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). 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.

Number of products with errors:

0

Teach analysis is already and fair units in Data Oat Discussion 11		eals the vehicles of Augulians Date Elization and
ach product is checked for missing Data Set Descriptors with repsect to a pro- lumber of products with errors: 0	e-aetermined 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-	-station processing chain as missing (	or containing errors.
Number of products with errors: 0		-
1.5 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: 5	measurement record. The bit value of	a the neg indicates any problems when set.
	T	Presidentes
Product CS_OFFL_SIR_IOP_1B_20140804T052105_20140804T053155_B001	Test Failed Power scaling error	Description There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140804T072631_20140804T073328_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140804T105607_20140804T111636_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140804T131403_20140804T1314955_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140804T184013_20140804T184448_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	nent 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 o	over land, indicating that the tracking e	echo is missing.
Number of products with errors: 45		,
5. 10	OP Level 2 Data Quali	ty Check
5. IC	OP Level 2 Data Quali	ty Check
.1 L2 Product Format Check		·
		·
5.1 L2 Product Format Check		·
5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0	ensure it consists of both an XML hea	ader file (.HDR) and a binary product file (.DBL)
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	ensure it consists of both an XML hea	ader file (.HDR) and a binary product file (.DBL)
5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to humber 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 humber of products with errors:         0	ensure it consists of both an XML hea	ader file (.HDR) and a binary product file (.DBL)
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	ensure it consists of both an XML hea of SPH in order to identify any inconsi	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain.
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 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 is checked for missing Data Set Descriptors with respect is checked for missing Data Set Descriptors with respect is checked for missing Data Set Descriptor product is checked for missing Data Set D	ensure it consists of both an XML hea of SPH in order to identify any inconsi	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain.
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	ensure it consists of both an XML hea of SPH in order to identify any inconsi	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain.
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 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 is checked for missing Data Set Descriptors with respect is checked for missing Data Set Descriptors with respect is checked for missing Data Set Descriptor product is checked for missing Data Set D	ensure it consists of both an XML hea of SPH in order to identify any inconsi	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain.
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 products with errors:         0	ensure it consists of both an XML heand of SPH in order to identify any inconsionation of the second	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
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 pr         Number of products with errors:       0         5.4 L2 Measurement Confidence Data Check	ensure it consists of both an XML heand of SPH in order to identify any inconsionation of the second	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
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 Number of products with errors:	ensure it consists of both an XML hean and SPH in order to identify any inconsi re-determined baseline and also to ch t record. The bit value of this flag is a	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
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 Number of products with errors:         1         Product	ensure it consists of both an XML heat and SPH in order to identify any inconsi re-determined baseline and also to ch t record. The bit value of this flag is a Test Falled	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct. n assessment of the measurement quality by the processing chains.
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	ensure it consists of both an XML hean and SPH in order to identify any inconsi re-determined baseline and also to ch t record. The bit value of this flag is a	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
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 Number of products with errors:         1         Product	ensure it consists of both an XML heat and SPH in order to identify any inconsi re-determined baseline and also to ch t record. The bit value of this flag is a Test Falled	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct. n assessment of the measurement quality by the processing chains.
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         Number of products with errors:       1         Product         S2.0 FFL_SIR_IOP_2_20140804T052105_20140804T053155_B001         5.5 L2 Range Measurement Check	ensure it consists of both an XML hea nd SPH in order to identify any inconsi re-determined baseline and also to ch t record. The bit value of this flag is a Test Failed Power scaling error	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. 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
5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to one 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         Number of products with errors:       1         Product         CS, OFFL_SIR_IOP_2_20140804T052105_20140804T053155_B001         5.5 L2 Range Measurement Check         Each product is checked to detect range measurements flagged by the proces	ensure it consists of both an XML heat and SPH in order to identify any inconsi re-determined baseline and also to ch t record. The bit value of this flag is a Test Failed Power scaling error	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. 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 errors.
5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to sumber 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         Number of products with errors:       1         Product         CS_OFFL_SIR_IOP_2_20140804T052105_20140804T053155_B001         5.5 L2 Range Measurement Check         Each product is checked to detect range measurements flagged by the proces         Ocean Range Averaging Status Flag: This flag is currently set for products of the products of the products of the product set of products of the product set of products of the product set of products product set of product set of product set of products product set of p	ensure it consists of both an XML hea ad SPH in order to identify any inconsi re-determined baseline and also to ch t record. The bit value of this flag is a Test Failed Power scaling error ssing chain as missing or containing e over land and sea ice, but this is to be	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. 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 errors.
5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to sumber 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         Number of products with errors:       1         Product         CS_OFFL_SIR_IOP_2_20140804T052105_20140804T053155_B001         5.5 L2 Range Measurement Check         Each product is checked to detect range measurements flagged by the procest         Decem Range Averaging Status Flag: This flag is currently set for products of the care Range Averaging Status Flag: This flag is currently set for some products of the care Range Averaging Status Flag: This flag is currently set for some products of the care Range Averaging Status Flag: This flag is currently set for some products of the care Range Averaging Status Flag: This flag is currently set for some products of the care Range Averaging Status Flag: This flag is currently set for some products of the care Range Averaging Status Flag: This flag is currently set for some products of the care Range Averaging Status Flag: This flag is currently set for some products of the care Range Averaging	ensure it consists of both an XML hea ad SPH in order to identify any inconsi re-determined baseline and also to ch t record. The bit value of this flag is a Test Failed Power scaling error ssing chain as missing or containing e over land and sea ice, but this is to be	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. 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 errors.
5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to sumber 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         Number of products with errors:       1         Product         CS_OFFL_SIR_IOP_2_20140804T052105_20140804T053155_B001         5.5 L2 Range Measurement Check         Each product is checked to detect range measurements flagged by the proces         Ocean Range Averaging Status Flag: This flag is currently set for products of the products of the products of the product set of products of the product set of products of the product set of products product set of product set of product set of products product set of p	ensure it consists of both an XML hea ad SPH in order to identify any inconsi re-determined baseline and also to ch t record. The bit value of this flag is a Test Failed Power scaling error ssing chain as missing or containing e over land and sea ice, but this is to be	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. 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 errors.
5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to lumber 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 lumber 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         Iumber of products with errors:       1         Product         2S_OFFL_SIR_IOP_2_20140804T052105_20140804T053155_B001         5.5 L2 Range Measurement Check         Each product is checked to detect range measurements flagged by the procest         Crean Range Averaging Status Flag: This flag is currently set for products of the product of the products of the products of the product of the products of the product of the prod	ensure it consists of both an XML hea ad SPH in order to identify any inconsi re-determined baseline and also to ch t record. The bit value of this flag is a Test Failed Power scaling error ssing chain as missing or containing e over land and sea ice, but this is to be	ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. 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 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. 169

Number of products with errors: