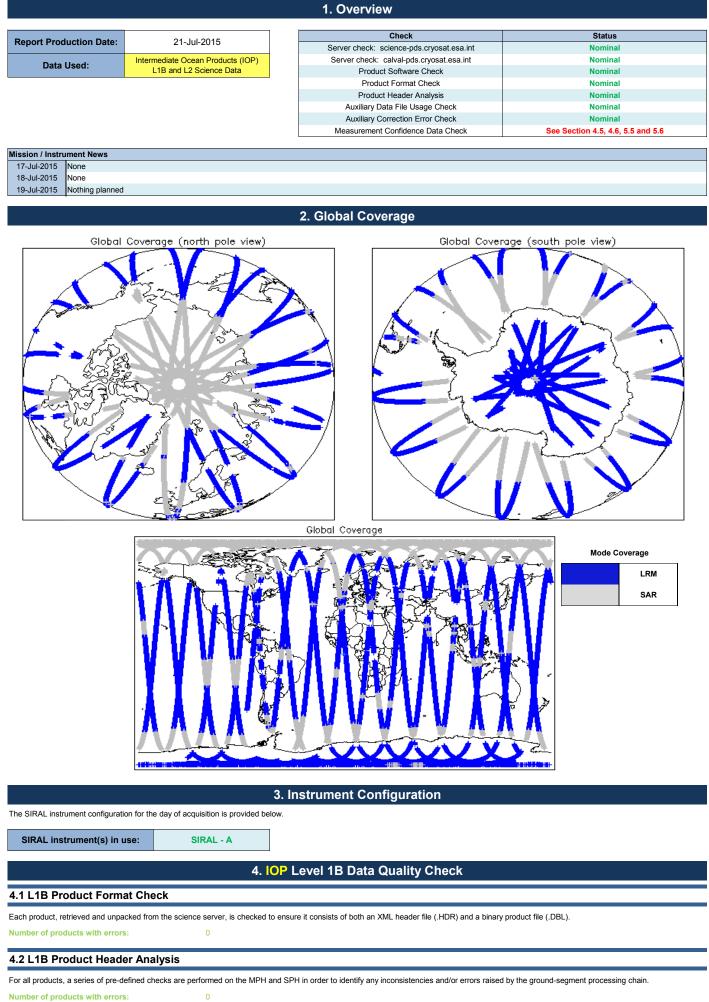


IDEAS+ Daily Report for IOP data:

<u>18/07/2015</u>





4.3 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with repsect to a pro-	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 o	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 o	of this flag indicates any problems when set.
Number of products with errors: 4		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20150718T115322_20150718T115906_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150718T183819_20150718T183942_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150718T231257_20150718T231844_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20150718T233356_20150718T233700_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
4.0.1.4.D.W		
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	indicates any problems when set.
Loss of Echo Flag: This flag is currently set for a large number of products of	ver land, indicating that the tracking e	echo is missing.
	ver land, indicating that the tracking e	echo is missing.
Number of products with errors: 39		-
Number of products with errors: 39	ver land, indicating that the tracking e	-
Number of products with errors: 39 5. [C		-
	DP Level 2 Data Quali	ty Check
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to an analyze of the science server.	DP Level 2 Data Quali	ty Check
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:	DP Level 2 Data Quali	ty Check
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:         0         5.2 L2 Product Header Analysis	DP Level 2 Data Quali	ty Check ader file (.HDR) and a binary product file (.DBL)
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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	ty Check ader file (.HDR) and a binary product file (.DBL)
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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	ty Check ader file (.HDR) and a binary product file (.DBL)
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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	ty Check ader file (.HDR) and a binary product file (.DBL)
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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 ensure it consists of both an XML hea d SPH in order to identify any inconsi	ty 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:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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 is checked for missing Data Set Descriptor is checked for missing Data	DP Level 2 Data Quali ensure it consists of both an XML hea d SPH in order to identify any inconsi	ty 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:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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 pre Number of products with errors:         0	DP Level 2 Data Quali ensure it consists of both an XML hea d SPH in order to identify any inconsi	ty 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:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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	DP Level 2 Data Quali ensure it consists of both an XML hea d SPH in order to identify any inconsi e-determined baseline and also to ch	ty Check ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. eeck the validity of Auxiliary Data Files is correct.
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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 hea d SPH in order to identify any inconsi e-determined baseline and also to ch	ty Check ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. eeck the validity of Auxiliary Data Files is correct.
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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 hea d SPH in order to identify any inconsi e-determined baseline and also to ch	ty Check ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. eeck the validity of Auxiliary Data Files is correct.
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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 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:	DP Level 2 Data Quali ensure it consists of both an XML hea d SPH in order to identify any inconsi e-determined baseline and also to ch	ty Check ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. eeck the validity of Auxiliary Data Files is correct.
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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 pronumber 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	DP Level 2 Data Quali ensure it consists of both an XML hea d SPH in order to identify any inconsi e-determined baseline and also to ch t record. The bit value of this flag is a	ty Check ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. eeck the validity of Auxiliary Data Files is correct. n assessment of the measurement quality by the processing chains.
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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 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:         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 hea d SPH in order to identify any inconsi e-determined baseline and also to ch t record. The bit value of this flag is an ssing chain as missing or containing e	ty Check ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. erck the validity of Auxiliary Data Files is correct. n assessment of the measurement quality by the processing chains. errors.
Number of products with errors:       39         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a 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	DP Level 2 Data Quali ensure it consists of both an XML hea d SPH in order to identify any inconsi e-determined baseline and also to ch 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	ty Check ader file (.HDR) and a binary product file (.DBL) istencies and/or errors raised by the ground-segment processing chain. erck 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.

Number of products with errors:

195