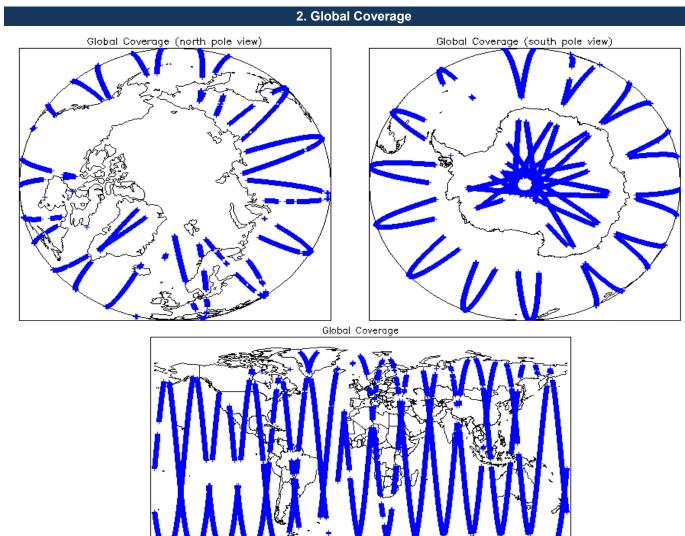


IDEAS+ Daily Report for NRT data:

<u>23/04/2015</u>

Report Production Date:	24-Apr-2015	Check	Status	
Report Production Date.		Server check: science-pds.cryosat.esa.int	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine Mode	Server check: calval-pds.cryosat.esa.int	Nominal	
Data Used:	(FDM), and CAL Data	Product Software Check	Nominal	
		Product Format Check	Nominal	
		Product Header Analysis	Nominal	
		Auxiliary Data File Usage	Nominal	
		Correction Error Flags	Nominal	
		Measurement Confidence Flags	See Sections 5.5, 6.5, 6.6 and 6.8	

Mission / Instru	None
22-Apr-2015	None
23-Apr-2015	None
24-Apr-2015	Nothing planned



3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. Level 1B Calibration Data Quality Check

4.1 L1 CAL 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 L1 CAL Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the processing chain.

Number of products with errors:

0

4.3 L1 CAL Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined bas	seline and also to check the validity of Au	xiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1 CAL Measurement Confidence Flags		
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 11 Number of products with errors: 0) for each measurement record. The bit v	alue of this flag indicates any problems when set.
5. Level	1B FDM Data Quality C	heck
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensur	e it consists of both an XML header file (.HDR) and a binary product file (.DBL).
Number of products with errors: 0		
5.2 L1B FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH and SPI Number of products with errors: 0	H in order to identify any inconsistencies	and/or errors raised by the ground-segment processing chain.
5.3 L1B FDM Auxilary Data File Usage Check		
	aline and also to sheal the validity of Av	uilian Data Filas is somet
Each product is checked for missing Data Set Descriptors wrt a pre-determined bas Number of products with errors: 0	seine and also to check the validity of Au	xillary Data Files is correct.
5.4 L1B FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-statio	n processing chain as missing or contair	ing errors.
Number of products with errors: 0		
5.5 L1B FDM Measurement Confidence Flags		
	measurement record. The hit value of th	is flag indicates any problems when set
CryoSat L1B data includes a measurement confidence flag word (field 18) for each Number of products with errors: 1		s hag indicates any problems when set.
•	Test Failed	Description
Product CS_OFFL_SIR_FDM_1B_20150423T215940_20150423T220044_C001	Echo error	Description The Echo Rx1 Error flag is set, indicating a degraded raw echo
6. Leve	I 2 FDM Data Quality CI	neck
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensur	e it consists of both an XML header file (.HDR) and a binary product file (.DBL)
Number of products with errors: 0		
6.2 L2 FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH and SP	H in order to identify any inconsistencies	and/or errors raised by the processing chain.
Number of products with errors: 0		
6.3 L2 FDM Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined bas	seline and also to check the validity of Au	xiliary Data Files is correct.
Number of products with errors: 0		
6.4 L2 FDM Correction Error Flags		
		· · · · · · · · · · · · · · · · · · ·
Each product is checked to detect auxiliary corrections flagged by the ground-statio Number of products with errors: 0	n processing chain as missing or contain	ing errors.
6.5 L2 FDM Measurement Confidence Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement r	ecord. The bit value of this flag is an ass	essment of the measurement quality by the processing chain.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150423T215940_20150423T220044_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
6.6 L2 FDM Range Measurement Flags		
	chain as missing or containing orrers	
Each product is checked to detect range measurements flagged by the processing. Number of products with errors: 3	chain as missing or containing enors.	
	T	Description
Product	Test Failed	Description The master fail flag is set by the OCOG call, for one or more records,
CS_OFFL_SIR_FDM_220150423T014908_20150423T014916_C001	OCOG Retracked Range Flag	indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records. The master fail flag is set by the OCOG call, for one or more records,
CS_OFFL_SIR_FDM_220150423T114736_20150423T114749_C001	OCOG Retracked Range Flag	indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records. The master fail flag is set by the OCOG call, for one or more records,
CS_OFFL_SIR_FDM_220150423T153542_20150423T153619_C001	OCOG Retracked Range Flag	indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records.

6.7 L2 FDM SWH and Backscatter Measurement Flags

Each product is checked to detect parameters related to SWH and sigma0 that are flagged by the processing chain as missing or containing errors.

0

All

Number of products with errors:

6.8 L2 FDM Geophysical Measurement Flags				
Each product is checked to detect geophysical measurements flagged by the processing chain as missing or containing errors. Number of products with errors: 3				
Product	Test Failed	Description		
CS_OFFL_SIR_FDM_2_20150423T034859_20150423T035608_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.		
CS_OFFL_SIR_FDM_220150423T114736_20150423T114749_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.		
CS_OFFL_SIR_FDM_220150423T153542_20150423T153619_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.		

7. QCC Check

The QCC is a CryoSat facility that performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_FDM_1B	161	0	0	0	0
SIR_FDM_2	160	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with er	rrors:	0			

7.2 Missing QCC Reports

Number of products with missing QCC reports: