

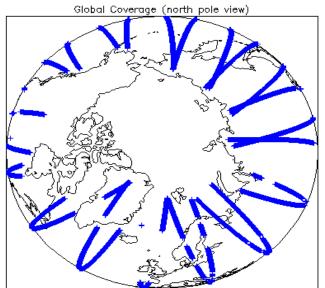
IDEAS+ Daily Report for NRT data:

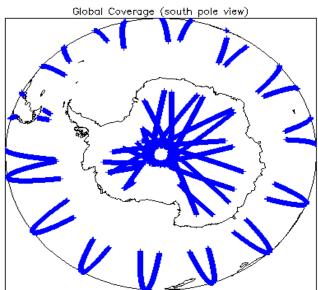
<u>28/07/2015</u>

Panart Braduction Data	29-Jul-2015	Check	Status	
eport 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	

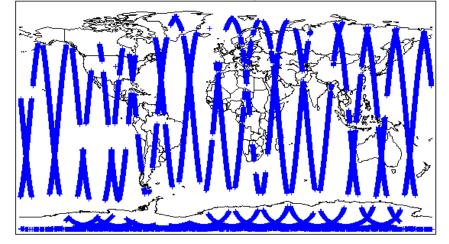
Mission / Instrument News			
27-Jul-2015	SIRAL unavailability from 26-July-2015 23:13:07 to 27-July-2015 03:27:51 due to a planned orbit manoeuvre.		
28-Jul-2015	None		
29-Jul-2015	Nothing planned		







Global Coverage



3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

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.

0

4.3 L1 CAL Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined	d baseline and also to check the validity	of Auxiliary 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 (fiel	d 11) for each measurement record. Th	e bit value of this flag indicates any problems when set.
Number of products with errors: 0		
5.10	vel 1B FDM Data Qualit	v Chock
		y check
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML heade	r 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	SPH in order to identify any inconsiste	ncies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.3 L1B FDM Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined	baseline and also to check the validity	of Auxiliary Data Files is correct.
Number of products with errors: 0		
5.4 L1B FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-s Number of products with errors: 0	tation processing chain as missing or co	ontaining errors.
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 18) for e	each measurement record. The bit value	of this flag indicates any problems when set.
Number of products with errors: 6		
Product CS_OFFL_SIR_FDM_1B_20150728T012637_20150728T013250_C001	Test Failed Attitude correction missing	Description The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150728T030709_20150728T030935_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150728T044748_20150728T044812_C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR FDM 1B 20150728T081151 20150728T081227 C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR FDM 1B 20150728T130242 20150728T130627 C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20150728T210646_20150728T212621_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
6. Le	evel 2 FDM Data Quality	/ Check
6.1 L2 FDM Product Format Check	-	
	nouro it consists of both on VML boads	r file (HDD) and a binary product file (DDI)
Each product, retrieved and unpacked from the science server, is checked to e 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 Number of products with errors: 0	SPH in order to identify any inconsiste	ncies 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	d baseline and also to check the validity	of Auxiliary 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-s	tation processing chain as missing or co	ontaining errors.
Number of products with errors: 0		
6.5 L2 FDM Measurement Confidence Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurem	ent record. The bit value of this flag is a	n assessment of the measurement quality by the processing chain.
Number of products with errors: 6	0	· · · · · ·
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150728T012637_20150728T013250_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150728T030709_20150728T030935_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150728T044748_20150728T044812_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150728T081151_20150728T081227_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150728T130242_20150728T130627_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220150728T210646_20150728T212621_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

6.6 L2 FDM Range Measurement Flags

Each product is checked to detect range measurements flagged by the processing chain as missing or containing errors.

3

Number of products with errors:	

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150728T032901_20150728T040119_C001	OCOG Retracked Range Flag	The master fail flag is set by the OCOG call, for one or more records, indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records.
CS_OFFL_SIR_FDM_220150728T093256_20150728T094929_C001	OCOG Retracked Range Flag	The master fail flag is set by the OCOG call, for one or more records, indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records.
CS_OFFL_SIR_FDM_220150728T201821_20150728T203053_C001	OCOG Retracked Range Flag	The master fail flag is set by the OCOG call, for one or more records, 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. Number of products with errors: 0

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.

0

All

6

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150728T032901_20150728T040119_C001		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_2_20150728T093256_20150728T094929_C001		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_2_20150728T170002_20150728T171339_C001		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_220150728T201821_20150728T203053_C001		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_220150728T204947_20150728T210442_C001		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_220150728T232206_20150728T232729_C001		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	140	0	0	0	0
SIR_FDM_2	137	0	0	0	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 Missing QCC Reports

Number of products with missing QCC reports: