

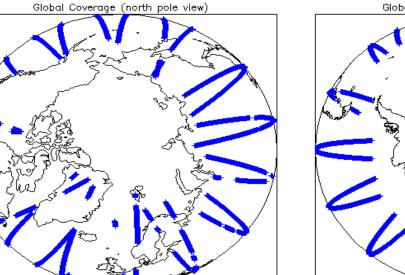
IDEAS+ Daily Report for NRT data:

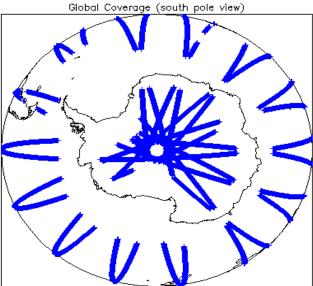
<u>09/05/2015</u>

Report Production Date:	18-May-2015	Check	Status
		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
	(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, 6.7 and 6.8

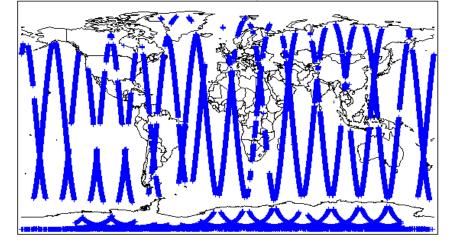
2. Global Coverage

08-May-2015	
09-May-2015	
10-May-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

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 Chec	:k		
Each product is checked for missing Data Set Descriptors wrt a	a pre-determined bas	seline and also to check the validity of Auxi	liary Data Files is correct.
Number of products with errors: 0			
4.4 L1 CAL Measurement Confidence Flag	S		
CryoSat Cal1 and Cal2 data includes a measurement confidence	ce flag word (field 11) for each measurement record. The bit va	lue of this flag indicates any problems when set.
Number of products with errors: 0			
	5. Level	1B FDM Data Quality Ch	neck
5.1 L1B FDM Product Format Check			
Each product, retrieved and unpacked from the science server,	, is checked to ensur	re it consists of both an XML header file (.F	IDR) 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 SP	H in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain
Number of products with errors: 0		in a full to recently any moonolotenoise a	
5 2 L 4D EDM Auvillant Data File Llagra Cha			
5.3 L1B FDM Auxilary Data File Usage Che			
Each product is checked for missing Data Set Descriptors wrt a Number of products with errors: 0	i pre-determined bas	sellne and also to check the validity of Auxi	liary Data Files is correct.
5.4 L1B FDM Correction Error Flags			
Each product is checked to detect auxiliary corrections flagged Number of products with errors: 0	by the ground-statio	n processing chain as missing or containir	ig errors.
5.5 L1B FDM Measurement Confidence Fla	ags		
CryoSat L1B data includes a measurement confidence flag wor	d (field 18) for each	measurement record. The bit value of this	flag indicates any problems when set.
Attitude Correction Missing: In Baseline-C all FDM products releases.	are missing Attitude	Correction as star tracker data are not ava	ailable in time for processing. This is a known issue and will be fixed in future
Number of products with errors: 2			
Product		Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150509T030222_20150509T0304		Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20150509T094226_20150509T0944	06_001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
	6. Leve	I 2 FDM Data Quality Ch	eck
6.1 L2 FDM Product Format Check			
Each product, retrieved and unpacked from the science server,	, is checked to ensur	re it consists of both an XML header file (.F	IDR) 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 a	nd/or errors raised by the processing chain.
Number of products with errors: 0			
6.3 L2 FDM Auxiliary Data File Usage Cheo	ck		
Each product is checked for missing Data Set Descriptors wrt a		seline and also to check the validity of Auxi	liary 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	n processing chain as missing or containin	
Number of products with errors: 0	by the ground-statio		
6.5.1.2 EDM Maggurament Confidence Elec			
6.5 L2 FDM Measurement Confidence Flag		record. The hit value of this flog is on accord	esment of the measurement quality by the processing shein
CryoSat L2 data includes a quality flag word (field 8) for each 2 Attitude Correction Missing: In Baseline-C all FDM products		-	ssment of the measurement quality by the processing chain. ailable in time for processing. This is a known issue and will be fixed in future
releases.			
Number of products with errors: 2			
Product CS_OFFL_SIR_FDM_220150509T030222_20150509T0304	13 C001	Test Failed Echo error	Description The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_2201505091030222_2015050910304 CS_OFFL_SIR_FDM_220150509T094226_20150509T0944		Echo error Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo The Echo Rx1 Error flag is set, indicating a degraded raw echo
	-	1	

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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150509T014628_20150509T014842_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_220150509T070832_20150509T071923_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_220150509T112721_20150509T112754_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_220150509T141120_20150509T141541_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_220150509T151936_20150509T153444_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: 2

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150509T045051_20150509T045117_C001	OCOG Backscatter Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #47, #48, #49 and #50 should be ignored for these records.
CS_OFFL_SIR_FDM_220150509T045117_20150509T045128_C001		The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #47, #48, #49 and #50 should be ignored for these records.

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. 7

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150509T014628_20150509T014842_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_220150509T070832_20150509T071923_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_220150509T112721_20150509T112754_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_220150509T134042_20150509T135535_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_220150509T141120_20150509T141541_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_220150509T151936_20150509T153444_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_220150509T195517_20150509T195646_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	149	0	0	0	0
SIR_FDM_2	147	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with en	rors:	0			
7.2 Missing QCC Repo	rts				
lumber of products with missi	ng QCC reports: A	II			