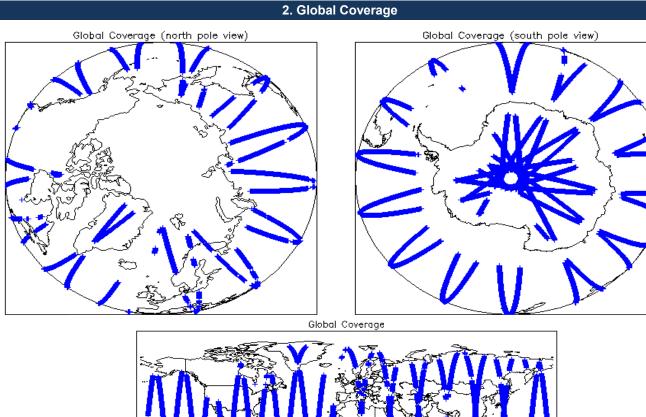


# IDEAS+ Daily Report for NRT data:

# <u>17/04/2015</u>

Report Production Date:	20-Apr-2015	Check	Status	
		Server check: science-pds.cryosat.esa.int	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine Mode (FDM), and CAL Data	Server check: calval-pds.cryosat.esa.int	Nominal	
		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				
16-Apr-2015	None			
17-Apr-2015	None			
18-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.

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4.3 L1 CAL Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined ba	aseline and also to check the validity of A	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 (field 1	1) for each measurement record. The bi	t value of this flag indicates any problems when set.
Number of products with errors: 0	.,	
E Louis		Obsel
5. Leve	I 1B FDM Data Quality	
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensu	ure it consists of both an XML header file	e (.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 SF	PH in order to identify any inconsistencie	es 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		
		Northern Data Films in some st
Each product is checked for missing Data Set Descriptors wrt a pre-determined ba Number of products with errors: 0	aseline and also to check the validity of A	Auxiliary Data Files is correct.
5.4 L1B FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-stati	on processing chain as missing or conta	ining errors.
Number of products with errors: 0		
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 18) for each	n measurement record. The bit value of	this flag indicates any problems when set.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150417T135207_20150417T140546_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
6 L ev	el 2 FDM Data Quality C	theck
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensu	ure it consists of both an XML header file	e (.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 SF	PH in order to identify any inconsistencie	es 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 ba	aseline and also to check the validity of A	Auxiliary Data Files is correct.
Number of products with errors: 0		
6.4.1.2 EDM Correction Error Flags		
6.4 L2 FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-station Number of products with errors: 0	on processing chain as missing or conta	ining errors.
6.5 L2 FDM Measurement Confidence Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement	record. The bit value of this flag is an a	ssessment of the measurement quality by the processing chain.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150417T135207_20150417T140546_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	g chain as missing or containing errors.	
Number of products with errors: 3		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150417T003558_20150417T010528_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_220150417T035729_20150417T040330_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_220150417T103127_20150417T104005_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.						
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Number of products with error	s: 2					
Product		Test Failed	Descri	ption		
CS_OFFL_SIR_FDM_220150417T035729_20150417T040330_C001		C001 Ocean Retrack		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_2201504	417T103127_20150417T104005_	C001 Ocean Retrack		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	150	0	0	0	0	
SIR_FDM_2	149	0	0	0	0	

Floudertype	ND. FIOUUCIS	ND. QCC Reports	IND. Vallu	ND. Warnings	ND. LITUIS
SIR_FDM_1B	150	0	0	0	0
SIR_FDM_2	149	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with err	rors: 0				
7.2 Missing QCC Reports					
Number of products with missing QCC reports: All					