

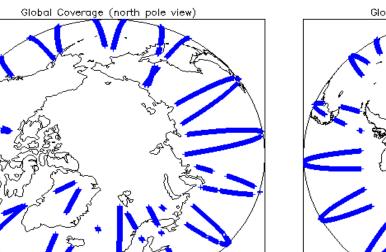
# IDEAS+ Daily Report for NRT data:

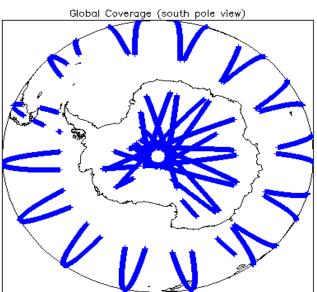
# <u>17/05/2015</u>

Report Production Date:	19-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 6.6 and 6.8	

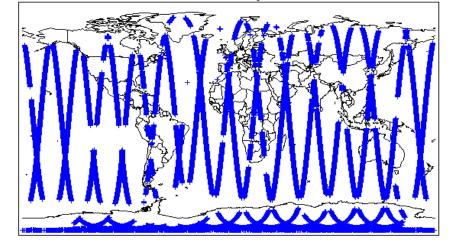
2. Global Coverage

16-May-2015	None
17-May-2015	None
18-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 Usag	ge Check		
Each product is checked for missing Data Set Desc Number of products with errors:	riptors wrt a pre-determined bas	seline and also to check the validity of Auxil	liary Data Files is correct.
4.4 L1 CAL Measurement Confiden	ice Flags		
CryoSat Cal1 and Cal2 data includes a measuremer	nt confidence 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	eck
5.1 L1B FDM Product Format Chec			
Each product, retrieved and unpacked from the scie		ra it consists of both an YML beader file ( H	IDP) and a binary product file ( DPI )
Number of products with errors:			
-			
5.2 L1B FDM Product Header Analy	ysis		
		H in order to identify any inconsistencies an	nd/or errors raised by the ground-segment processing chain.
Number of products with errors:	0		
5.3 L1B FDM Auxilary Data File Usa	age Check		
Each product is checked for missing Data Set Descr	riptors wrt a pre-determined bas	seline and also to check the validity of Auxil	liary Data Files is correct.
Number of products with errors:	0		
5.4 L1B FDM Correction Error Flag	S		
Each product is checked to detect auxiliary correction	ons flagged by the ground-statio	n processing chain as missing or containin	g errors.
Number of products with errors:	0		
5.5 L1B FDM Measurement Confide	ence Flags		
CryoSat L1B data includes a measurement confider	-	measurement record. The bit value of this	flao indicates any problems when set.
			allable in time for processing. This is a known issue and will be fixed in future
Number of products with errors:	0		
	6. Leve	I 2 FDM Data Quality Che	eck
6.1 L2 FDM Product Format Check			
Each product, retrieved and unpacked from the scie	nce server, is checked to ensur	re it consists of both an XML header file (.H	IDR) and a binary product file (.DBL)
Number of products with errors:	0		
6.2 L2 FDM Product Header Analys	sis		
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 Usa	ge Check		
Each product is checked for missing Data Set Desc	riptors wrt a pre-determined bas	seline and also to check the validity of Auxil	liary Data Files is correct.
Number of products with errors:	0		
6.4 L2 FDM Correction Error Flags			
	and flagged by the ground static		
Each product is checked to detect auxiliary correction Number of products with errors:	0	n processing chain as missing or containin	g enois.
6.5 L2 FDM Measurement Confider	nce Flags		
CryoSat L2 data includes a quality flag word (field 8)	) for each 20-Hz measurement r	record. The bit value of this flag is an asses	ssment of the measurement quality by the processing chain.
	M products are missing Attitude	Correction as star tracker data are not ava	allable in time for processing. This is a known issue and will be fixed in future
releases. Number of products with errors:	0		
6.6 L2 FDM Range Measurement F	lags		
Each product is checked to detect range measurem		chain as missing or containing errors.	
Number of products with errors:	2	-	
Product		Test Failed	Description
CS_OFFL_SIR_FDM_220150517T150843_2015	0517T152445_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_220150517T181715_20150	0517T184417_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

ch product is checked to detect	geophysical measurements flag	ged by the processing chain as n	nissing or containing errors.		
umber of products with errors	: 3				
roduct		Test Failed		escription	
CS_OFFL_SIR_FDM_220150517T050244_20150517T051403_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_220150517T150843_20150517T152445_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_220150517T181715_20150517T184417_C001		C001 Ocean Retrack		Ocean Retracking Quality Flag is set indicating the CFI Ocean acker was not successfully executed for one or more records.	
		= 000			
	performs a primary survey of dat		C Check	processing facilities. A list of the tests wh	nich raised errors or warni
rovided below.		a products immediately after pro	duction by the PDS and LTA	· · ·	
	performs a primary survey of dat Nb. Products 152 150			processing facilities. A list of the tests where the test of test	nich raised errors or warni Nb. Errors 0 0
Product type SIR_FDM_1B	Nb. Products 152	a products immediately after products Nb. QCC Reports 0	duction by the PDS and LTA	Nb. Warnings	
Product type SIR_FDM_1B SIR_FDM_2	Nb. Products 152 150	ta products immediately after prod Nb. QCC Reports 0 0	duction by the PDS and LTA	Nb. Warnings	