

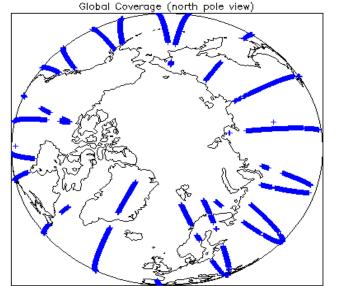
# IDEAS+ Daily Report for NRT data:

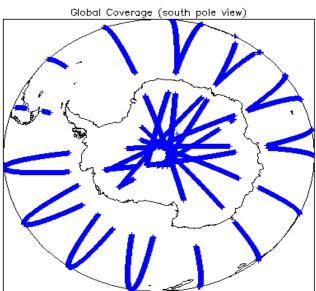
# <u>26/03/2015</u>

Report Production Date:	30-Mar-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	

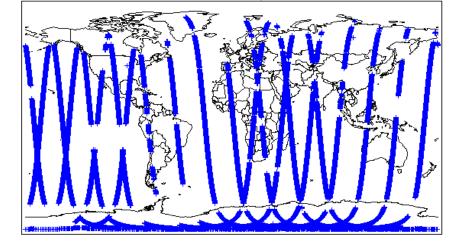
25-Mar-2015	None
26-Mar-2015	None
27-Mar-2015	Nothing planned
	26-Mar-2015







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:

4.3 L1 CAL Auxiliary Data File Usage Che	ck		
Each product is checked for missing Data Set Descriptors wrt Number of products with errors: 0	a pre-determined bas	eline and also to check the validity of	f Auxiliary Data Files is correct.
4.4 L1 CAL Measurement Confidence Flag	ns		
CryoSat Cal1 and Cal2 data includes a measurement confider	-	) for each measurement record. The	bit value of this flag indicates any problems when set.
Number of products with errors: 0		,	
	5 Lovol	1B FDM Data Quality	Check
	0. Level		Oneck
5.1 L1B FDM Product Format Check			
Each product, retrieved and unpacked from the science server Number of products with errors: 0	r, is checked to ensur	e it consists of both an XML header f	ile (.HDR) and a binary product file (.DBL).
5.2 L1B FDM Product Header Analysis			
For all products, a series of pre-defined checks are carried out Number of products with errors: 0	t on the MPH and SPI	H in order to identify any inconsistenc	cies and/or errors raised by the ground-segment processing chain.
5.3 L1B FDM Auxilary Data File Usage Ch	eck		
Each product is checked for missing Data Set Descriptors wrt Number of products with errors: 0	a pre-determined bas	eline and also to check the validity of	f Auxiliary 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	d by the ground-station	n processing chain as missing or con	taining errors.
5.5 L1B FDM Measurement Confidence Fl	ags		
CryoSat L1B data includes a measurement confidence flag wo Number of products with errors: 0	ord (field 14) for each i	measurement record. The bit value o	f this flag indicates any problems when set.
	6. Leve	I 2 FDM Data Quality	Check
6.1 L2 FDM Product Format Check			
Each product, retrieved and unpacked from the science server	r, is checked to ensur	e it consists of both an XML header f	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	t on the MPH and SPI	H in order to identify any inconsistend	cies and/or errors raised by the processing chain.
	PH field #33). They a	re set by the FDM processor when a	c_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field n error is detected during the L2 processing and also when the percentage of ly set to 5%).
This issue is under investigation.			
Number of products with errors: 0			
6.3 L2 FDM Auxiliary Data File Usage Che	ck		
Each product is checked for missing Data Set Descriptors wrt	a pre-determined bas	eline and also to check the validity of	f 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	d by the ground-station	n processing chain as missing or con	taining errors.
Number of products with errors: 0			
6.5 L2 FDM Measurement Confidence Flag	gs		
CryoSat L2 data includes a quality flag word (field 8) for each 2	20-Hz measurement r	ecord. The bit value of this flag is an	assessment of the measurement quality by the processing chain.
Number of products with errors: 0			
6.6 L2 FDM Range Measurement Flags			
Each product is checked to detect range measurements flagge	ed by the processing of	chain as missing or containing errors	
Number of products with errors: 3	-	-	
Product		Test Failed	Description
CS_OFFL_SIR_FDM_220150326T090431_20150326T090	505_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 fileds #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_220150326T135329_20150326T140	030_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_220150326T212057_20150326T212	735_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.

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.

0

4

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150326T090431_20150326T090505_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_220150326T135329_20150326T140030_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_220150326T160210_20150326T161236_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_220150326T212057_20150326T212735_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	147	0	0	0	0
SIR_FDM_2	150	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with er	rors: C				
7.2 Missing QCC Repo	orts				
Number of products with missi	ng QCC reports: Al				