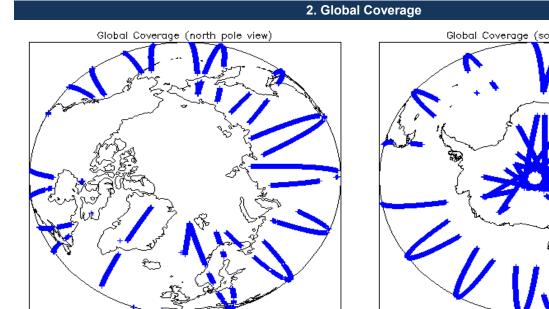


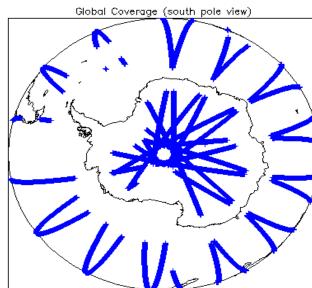
## IDEAS+ Daily Report for NRT data:

# 07/04/2015

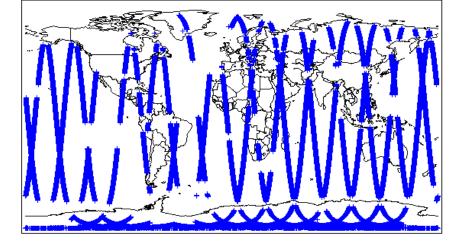
1. Overview						
Demont Develoption Deter	00 4 0045	Check	Status			
Report Production Date:	09-Apr-2015	Server check: science-pds.cryosat.esa.int	Nominal			
Data Used:	L1 and L2 Fast Delivery Marine Mode	Server check: calval-pds.cryosat.esa.int	Nominal			
Data Used:	(FDM), and CAL Data	Product Software Check	Nominal			
		Product Format Check	Nominal			
		Product Header Analysis	Nominal			
		Auxiliary Data File Usage	Nominal			
		Correction Error Flags	Nominal			
		Measurement Confidence Flags	See Sections 6.6 and 6.8			

[	Mission / Instrument News		
	06-Apr-2015	None	
	07-Apr-2015	SIRAL unavailability on 7-April-2015 from 18:00:51 to 18:57:27 due to a planned orbit manoeuvre.	
	08-Apr-2015	Nothing planned	





Global Coverage



## 3. Instrument Configuration

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

SIRAL - A SIRAL instrument(s) in use:

### 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 Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined base	eline and also to check the validity of Au	xiliary 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 11)	) for each measurement record. The bit v	alue of this flag indicates any problems when set.
Number of products with errors: 0	,	
5 Loval	4R EDM Data Quality C	hook
5. Level	1B FDM Data Quality C	Песк
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensure	e it consists of both an XML header 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	H in order to identify any inconsistencies	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		
	aling and alog to shook the validity of Au	viliary Data Filos is correct
Each product is checked for missing Data Set Descriptors wrt a pre-determined base Number of products with errors: 0		kilaly Data Files is correct.
·		
5.4 L1B FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-station	n processing chain as missing or contain	ing errors.
Number of products with errors: 0		
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 14) for each r	measurement record. The bit value of this	s flag indicates any problems when set.
Number of products with errors: 0		
6. Level	2 FDM Data Quality Ch	neck
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensure Number of products with errors: 0	e it consists of both an XML header file (.	HDR) and a binary product file (.DBL)
6.2 L2 FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH and SPH	H in order to identify any inconsistencies	and/or errors raised by the processing chain.
Currently there is a high number of processing error flags set within the Level 2 FDN #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They ar Data Set Records free of processing errors is below the minimum acceptable thresh	re set by the FDM processor when an en	ror is detected during the L2 processing and also when the percentage of
This issue is under investigation.		
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 base	eline and also to check the validity of Au	xiliary 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-station	n processing chain as missing or contain	ing errors.
Number of products with errors: 0	· · · · · · · · · · · · · · · · · · ·	
C. 5. L.O. FDM Macaurament Confidence Flore		
6.5 L2 FDM Measurement Confidence Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement re Number of products with errors: 0	ecord. The bit value of this flag is an ass	essment of the measurement quality by the processing chain.
Number of products with errors.		
6.6 L2 FDM Range Measurement Flags		
Each product is checked to detect range measurements flagged by the processing of	chain as missing or containing errors.	
Number of products with errors: 2		
Product	Test Failed	Description The master fail flag is set by the OCOG call, for one or more records,
CS_OFFL_SIR_FDM_220150407T060821_20150407T062021_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_220150407T140540_20150407T141257_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_220150407T031507_20150407T033033_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_220150407T060821_20150407T062021_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_220150407T140540_20150407T141257_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_220150407T230519_20150407T232734_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	160	0	0	0	0
SIR_FDM_2	151	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with er	rors:	0			
7.2 Missing QCC Reports					
Number of products with missi	ng QCC reports: A	JI			