

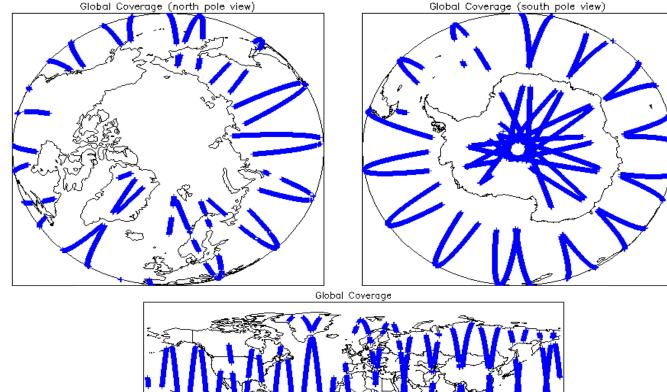
# IDEAS+ Daily Report for NRT data:

## <u>03/04/2015</u>

Dement Draduction Date:	07-Apr-2015	Check	Status	
Report Production Date:		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 and 6.8	

02-Apr-2015	
03-Apr-2015	
04-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.

0

4.3 L1 CAL Auxiliary Data File Usage	e Check					
Each product is checked for missing Data Set Descriptors wrt a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.						
Number of products with errors:	0					
4.4 L1 CAL Measurement Confidence	e Flags					
		1) for each measurement re	cord. The bit value of this flag indicates any problems when set.			
Number of products with errors:						
-	<b>F</b> 1					
	5. Level	1B FDM Data C				
5.1 L1B FDM Product Format Check	1					
Each product, retrieved and unpacked from the science	ce server, is checked to ensu	re it consists of both an XM	IL header file (.HDR) and a binary product file (.DBL).			
Number of products with errors:	0					
5.2 L1B FDM Product Header Analys	sis					
For all products, a series of pre-defined checks are ca	arried out on the MPH and SP	PH in order to identify any in	consistencies and/or errors raised by the ground-segment processing chain.			
Number of products with errors:	0					
5.3 L1B FDM Auxilary Data File Usa	ge Check					
Each product is checked for missing Data Set Descrip	otors wrt a pre-determined bas	seline and also to check the	e validity of Auxiliary Data Files is correct.			
Number of products with errors:	0					
5.4 L1B FDM Correction Error Flags						
Each product is checked to detect auxiliary correction		on processing chain as mis	sing or containing errors			
Number of products with errors:						
5.5 L1B FDM Measurement Confide	-					
CryoSat L1B data includes a measurement confidence	e flag word (field 14) for each	measurement record. The	bit value of this flag indicates any problems when set.			
Number of products with errors:	1	T	Providenting			
Product CS_OFFL_SIR_FDM_1B_20150403T182916_201504	403T183946_C001	Test Failed Echo error	Description The Echo Rx1 Error flag is set, indicating a degraded raw echo			
	6. Leve	el 2 FDM Data Q	uality Check			
6.1 L2 FDM Product Format Check						
Each product, retrieved and unpacked from the science	ce server, is checked to ensu	re it consists of both an XM	IL header file (.HDR) and a binary product file (.DBL)			
Number of products with errors:	0					
6.2 L2 FDM Product Header Analysis	S					
For all products, a series of pre-defined checks are ca	arried out on the MPH and SP	PH in order to identify any in	consistencies and/or errors raised by the processing chain.			
	35 and SPH field #33). They a	are set by the FDM process	nd L2_Proc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field sor when an error is detected during the L2 processing and also when the percentage of or (currently set to 5%).			
This issue is under investigation.						
Number of products with errors:	0					
6.3 L2 FDM Auxiliary Data File Usag	e Check					
Each product is checked for missing Data Set Descrip	otors wrt a pre-determined ba	seline and also to check the	e validity of 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 correction	s flagged by the ground-static	on processing chain as mis	sing or containing errors.			
Number of products with errors:	0					
6 5 L 2 EDM Magaurement Confidence						
6.5 L2 FDM Measurement Confidence		manual The bit water of this				
Oryosat L∠ data includes a quality flag word (field 8) fr	or oach 20 !!	record. The bit value of this	flag is an assessment of the measurement quality by the processing chain.			
Number of products with errors:	or each 20-Hz measurement					
Number of products with errors: Product		Test Failed	Description			
Number of products with errors: Product CS_OFFL_SIR_FDM_220150403T182916_201504	1	Test Failed Echo error	Description The Echo Rx1 Error flag is set, indicating a degraded raw echo			
Product	1 403T183946_C001					

Each product is checked to detect range measurements flagged by the processing chain as missing or containing errors.

Number of products with errors: 0

6.7 L2 FDM SWH and Backscatter Measurement Flags							
Each product is checked to detect	t parameters related to SWH and	sigma0 that are t	flagged by the p	rocessing chain as missin	ng or contai	ning errors.	
Number of products with errors	:: O						
6.8 L2 FDM Geophysic	al Measurement Flags						
Each product is checked to detect	t geophysical measurements flage	ged by the proces	ssing chain as m	nissing or containing errors	s.		
Number of products with errors	:: 1						
Product			Test Failed		Descripti	ion	
CS_OFFL_SIR_FDM_220150403T155225_20150403T160251_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.			
			7 000	C 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 SIR_FDM_2	162 156	(	) )	0		0	0
	100		•	Ŭ		v	
7.1 QCC Errors							
Number of QCC reports with en	rors: 0						
7.2 Missing QCC Repo	rts						
Number of products with missing	ng QCC reports: All						