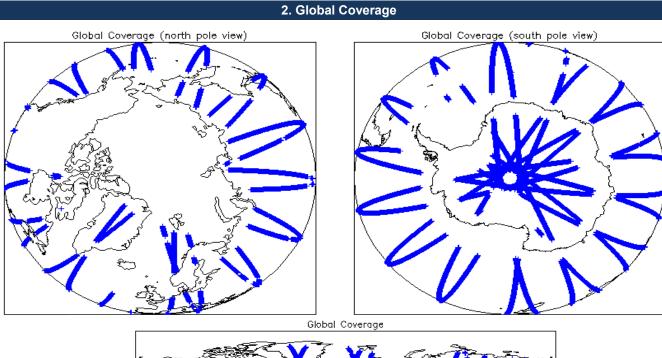


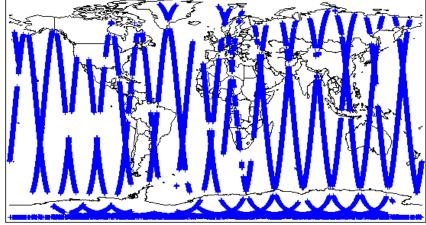
IDEAS+ Daily Report for NRT data:

<u>17/03/2015</u>

an art Draduation Data	: 20-Mar-2015	Check	Status
Report Production Date:		Server check: science-pds.cryosat.esa.int	Nominal
Dete Lleed:	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 5.5, 6.5, 6.6, 6.7 and 6.8

Mission / Instrument News				
16-Mar-2015	None			
17-Mar-2015	None			
18-Mar-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
Star Tracker(s) in use:	Star Tracker 1 & 2

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 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 Flags					
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 11) for each measurement record. The bit value of this flag indicates any problems when set.					
Number of products with errors: 0					
5 9/9	1B FDM Data Quality Ch	ack			
5.1 L1B FDM Product Format Check					
ach 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: 0					
5.2 L1B FDM Product Header Analysis					
For all products, a series of pre-defined checks are carried out on the MPH and SP	PH 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 Usage Check					
Each product is checked for missing Data Set Descriptors wrt a pre-determined bas	seline and also to check the validity of Auxil	iary Data Files is correct.			
Number of products with errors: 0					
5.4 L1B FDM Correction Error Flags					
Each product is checked to detect auxiliary corrections flagged by the ground-static	on processing chain as missing or containin	a errors.			
Number of products with errors: 0					
5 5 L 4 B EDM Maggurament Confidence Flags					
5.5 L1B FDM Measurement Confidence Flags					
CryoSat L1B data includes a measurement confidence flag word (field 14) for each Number of products with errors: 4	measurement record. The bit value of this	flag indicates any problems when set.			
	Toot Foiled	Description			
Product CS_OFFL_SIR_FDM_1B_20150317T081917_20150317T082243_B001	Test Failed Attitude correction missing	Description The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20150317T095848_20150317T095945_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20150317T113820_20150317T113842_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20150317T150154_20150317T150351_B001	Attitude correction missing	The attitude has not been corrected			
6. Leve	el 2 FDM Data Quality Che	eck			
6.1 L2 FDM Product Format Check					
	re it consists of both on VML booder file ()				
Each product, retrieved and unpacked from the science server, is checked to ensu Number of products with errors: 0	Te il consists of both an XML header nie (.F	DR) and a binary product life (.DBL)			
6.2 L2 FDM Product Header Analysis					
For all products, a series of pre-defined checks are carried out on the MPH and SF					
Currently there is a high number of processing error flags set within the Level 2 FD $\#$ 29) and also within the L2 Product files (MPH field $\#$ 35 and SPH field $\#$ 33). They a					
Data Set Records free of processing errors is below the minimum acceptable three	hold set within the processor (currently set	to 5%).			
This issue is under investigation. Number of products with errors: 0					
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 bas	seline and also to check the validity of Auxil	iary 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-static	on processing chain as missing or containin	g errors.			
Number of products with errors: 0					
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 asses	ssment of the measurement quality by the processing chain.			
Number of products with errors: 4	2				
Product	Test Failed	Description			
CS_OFFL_SIR_FDM_220150317T081917_20150317T082243_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_220150317T095848_20150317T095945_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_2_20150317T113820_20150317T113842_B001 CS_OFFL_SIR_FDM_2_20150317T150154_20150317T150351_B001	Attitude correction missing	The attitude has not been corrected The attitude has not been corrected			
55_52_011_1.DM_22010001/1100104_2010001/1100001_D001	CFFL_SIR_FDM_2_20150317T150154_20150317T150351_B001 Attitude correction missing The attitude has not been corrected				

6.6 L2 FDM Range Measurement Flags					
Each product is checked to detect range measurements flagged by the processing chain as missing or containing errors.					
Number of products with errors: 2					
Product	Test Failed	Description			
CS_OFFL_SIR_FDM_220150317T043009_20150317T044510_B001	5 5	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_220150317T052457_20150317T053055_B001		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.

Product Test Fa	t Failed	Description
CS_OFFL_SIR_FDM_220150317T075151_20150317T081454_B001 OCOG	OG Backscatter Status Flag i	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #47, #48, #49 and #50 should be ignored for these records.

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

7

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150317T043009_20150317T044510_B001	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_220150317T052457_20150317T053055_B001	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_220150317T053218_20150317T053454_B001	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_220150317T092743_20150317T095644_B001	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_220150317T115857_20150317T120730_B001	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_220150317T130033_20150317T131308_B001	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_220150317T151958_20150317T155037_B001	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	157	0	0	0	0
SIR_FDM_2	157	0	0	0	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 Missing QCC Reports

All Number of products with missing QCC reports: