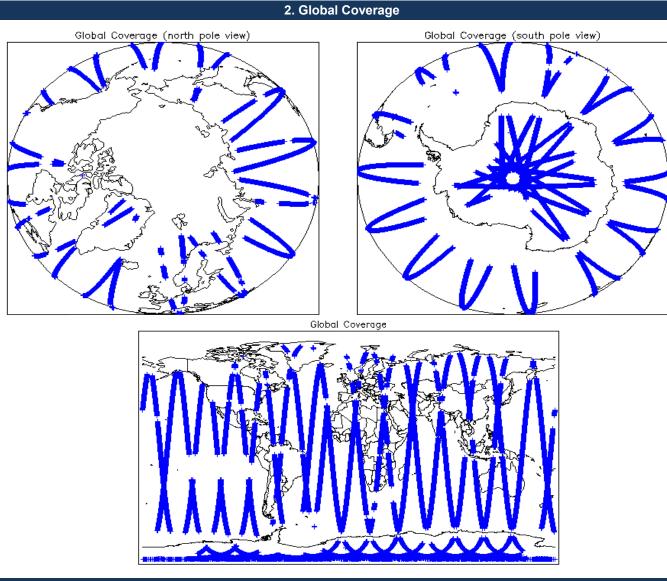


IDEAS+ Daily Report for NRT data:

03/05/2015

Report Production Date:	15-May-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	
Data Oseu.	(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		
02-May-2015	None	
03-May-2015	None	
04-May-2015	Nothing planned	



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	e Check		
Each product is checked for missing Data Set Descrip Number of products with errors:	otors wrt a pre-determined bas	seline and also to check the validity of Aux	iliary Data Files is correct.
4.4 L1 CAL Measurement Confidence			
	-	1) for each management record. The bit w	alue of this flag indicates any problems when oot
CryoSat Cal1 and Cal2 data includes a measurement Number of products with errors:	0		aue of this hag indicates any problems when set.
	5. Level	1 1B FDM Data Quality Cl	neck
5.1 L1B FDM Product Format Check	[
Each product, retrieved and unpacked from the science	ce server, is checked to ensu	re it consists of both an XML header file (.I	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 can Number of products with errors:	arried out on the MPH and SF	PH in order to identify any inconsistencies a	ind/or errors raised by the ground-segment processing chain.
5.3 L1B FDM Auxilary Data File Usa	ge Check		
Each product is checked for missing Data Set Descrip	otors wrt a pre-determined ba	seline and also to check the validity of Aux	iliary Data Files is correct.
Number of products with errors:	0		
5.4 L1B FDM Correction Error Flags	j		
Each product is checked to detect auxiliary correction	s flagged by the ground-static	on processing chain as missing or containir	ng errors.
Number of products with errors:	0		
5.5 L1B FDM Measurement Confide	nce Flags		
CryoSat L1B data includes a measurement confidenc	e flag word (field 18) for each	measurement record. The bit value of this	flag indicates any problems when set.
Attitude Correction Missing: In Baseline-C all FDM releases.	products are missing Attitude	e Correction as star tracker data are not av	ailable in time for processing. This is a known issue and will be fixed in future
Number of products with errors:	1		
Product		Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150503T214517_20150	503T214535_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
	6. Leve	el 2 FDM Data Quality Ch	eck
6.1 L2 FDM Product Format Check			
Each product, retrieved and unpacked from the scient	ce server, is checked to ensu	re it consists of both an XML header file (.I	HDR) and a binary product file (.DBL)
Number of products with errors:	0		
6.2 L2 FDM Product Header Analysi	s		
For all products, a series of pre-defined checks are ca	arried out on the MPH and SF	PH in order to identify any inconsistencies a	and/or errors raised by the processing chain.
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 validity of Aux	iliary 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 missing or containir	ng errors.
Number of products with errors:	0		
6.5 L2 FDM Measurement Confidence	e Flags		
CryoSat L2 data includes a quality flag word (field 8) f	or each 20-Hz measurement	record. The bit value of this flag is an asse	ssment of the measurement quality by the processing chain.
Attitude Correction Missing: In Baseline-C all FDM releases.	products are missing Attitude	e Correction as star tracker data are not av	ailable in time for processing. This is a known issue and will be fixed in future
Number of products with errors:	1		
Product		Test Failed	Description
CS_OFFL_SIR_FDM_220150503T214517_201505	03T214535_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

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: 3 Test Failed Product Description 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 CS_OFFL_SIR_FDM_2__20150503T101137_20150503T102035_C001 OCOG Retracked Range Flag ignored for these records. 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 CS_OFFL_SIR_FDM_2__20150503T115216_20150503T122414_C001 OCOG Retracked Range Flag ignored for these records. The master fail flag is set by the OCOG call, for one or more records, CS_OFFL_SIR_FDM_2__20150503T211925_20150503T212806_C001 indicating the values stored in fields #18, #19, #20 and #21 should be OCOG Retracked Range Flag 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 w	th errors:

Product Te	est Failed	Description
CS_OFFL_SIR_FDM_220150503T193157_20150503T194946_C001	COG Backscatter Status Flag	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

All

1

Number of products with errors: 5				
Product	Test Failed	Description		
CS_OFFL_SIR_FDM_220150503T101137_20150503T102035_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_220150503T102320_20150503T104457_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_220150503T115216_20150503T122414_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_220150503T211925_20150503T212806_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_220150503T215156_20150503T222014_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	146	0	0	0	0
SIR_FDM_2	146	0	0	0	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 Missing QCC Reports

Number of products with missing QCC reports: