

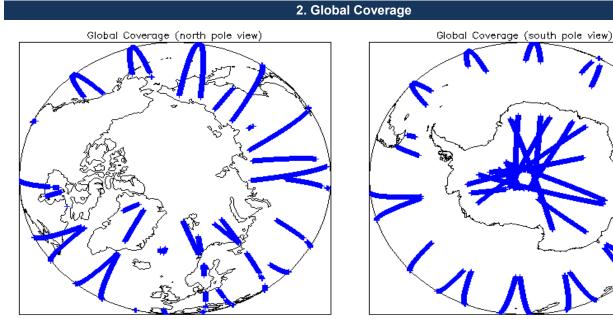
IDEAS+ Daily Report for NRT data:

<u>04/12/2014</u>

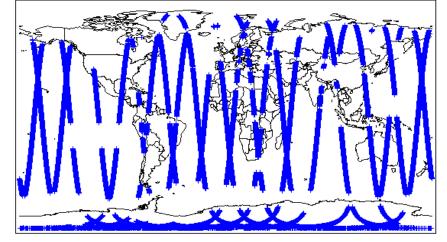


Report Production Date:	05-Dec-2014	Check	Status
		Server check: science-pds.cryosat.esa.int	Nominal
Data Used:	L1 and L2 Fast Delivery Marine Mode (FDM), and CAL Data	Server check: calval-pds.cryosat.esa.int	Nominal
Data Used:		Product Software Check	Nominal
		Product Format Check	Nominal
		Product Header Analysis	Nominal
		Auxiliary Data File Usage	Nominal
		Correction Error Flags	Nominal
		Measurement Confidence Flags	See Sections 5.5, 6.5 and 6.8

Mission / Instru	ment News
03-Dec-2014	None
04-Dec-2014	SIRAL unavailability on 4-December-2014 from 12:16:06 to 14:02:14 due to a planned orbit manoeuvre.
05-Dec-2014	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

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

4.2.1.4.CAL Auxiliany Data File Llos	an Chook		
4.3 L1 CAL Auxiliary Data File Usa	-		
Each product is checked for missing Data Set Deso Number of products with errors:	0	aseline and also to check the validity of	Auxiliary Data Files is correct.
-			
4.4 L1 CAL Measurement Confide	nce Flags		
		1) for each measurement record. The I	bit value of this flag indicates any problems when set.
Number of products with errors:	0		
	5. Leve	I 1B FDM Data Quality	Check
5.1 L1B FDM Product Format Che	ck		
Each product, retrieved and unpacked from the sci	ence server, is checked to ensu	ure it consists of both an XML header fi	ile (.HDR) and a binary product file (.DBL).
Number of products with errors:	0		
5.2 L1B FDM Product Header Anal	veie		
	•	DH in order to identify any inconsistence	size and/or arrang raised by the ground acquired processing shain
Number of products with errors:	Carried out on the MPH and Si	PH in order to identity any inconsistenc	ies and/or errors raised by the ground-segment processing chain.
5.3 L1B FDM Auxilary Data File Us	age Check		
Each product is checked for missing Data Set Dese		aseline and also to check the validity of	Auxiliary Data Files is correct.
Number of products with errors:	0		
5.4 L1B Correction Error Flags			
Each product is checked to detect auxiliary correcti	ons flagged by the ground-stati	ion processing chain as missing or con	taining errors.
Number of products with errors:	0		
5.5 L1B FDM Measurement Confid	lence Flags		
CryoSat L1B data includes a measurement confide	nce flag word (field 14) for each	h measurement record. The bit value of	f this flag indicates any problems when set.
Number of products with errors:	1		
Product		Test Failed	Description
CS_OFFL_SIR_FDM_1B_20141204T161229_2014	41204T161310_B001	Attitude correction missing	The attitude has not been corrected
	6 Leve	el 2 FDM Data Quality	Check
6.1 L2 FDM Product Format Check	-		
Each product, retrieved and unpacked from the sci		ure it consists of both an XML header fi	ile (.HDR) and a binary product file (.DBL)
Number of products with errors:	0		
6.2 L2 FDM Product Header Analy	sis		
For all products, a series of pre-defined checks are	carried out on the MPH and SI	PH in order to identify any inconsistenc	ies and/or errors raised by the processing chain.
	I #35 and SPH field #33). They	are set by the FDM processor when an	5_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 y set to 5%).
This issue is under investigation.			
Number of products with errors:	0		
6.3 L2 FDM Auxiliary Data File Usa	age Check		
Each product is checked for missing Data Set Des	Č	aseline and also to check the validity of	· Auxiliary Data Files is correct
Number of products with errors:	0	····,·	,
6.4 L2 FDM Correction Error Flags	3		
Each product is checked to detect auxiliary correcti		ion processing chain as missing or con	taining errors.
Number of products with errors:	0		
6.5.1.2 EDM Massurement Confide			
6.5 L2 FDM Measurement Confide	lice Flags		
CryoSat I 2 data includes a quality flag word (field 8		record. The bit value of this flag is an	assessment of the measurement quality by the processing chain.
Number of products with errors:	3) for each 20-Hz measurement 1	Toot Epilod	Description
	1	Test Failed Attitude correction missing	Description The attitude has not been corrected
Number of products with errors: Product CS_OFFL_SIR_FDM_220141204T161229_2014	1 41204T161310_B001		
Number of products with errors: Product	1 41204T161310_B001		
Number of products with errors: Product CS_OFFL_SIR_FDM_2_20141204T161229_2014 6.6 L2 FDM Range Measurement F Each product is checked to detect range measurer	1 41204T161310_B001 Flags nents flagged by the processing	Attitude correction missing	The attitude has not been corrected
Number of products with errors: Product CS_OFFL_SIR_FDM_2_20141204T161229_2014 6.6 L2 FDM Range Measurement F	1 41204T161310_B001	Attitude correction missing	The attitude has not been corrected

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: 0

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.

Number of products with errors: 8

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220141204T014411_20141204T021203_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_220141204T064435_20141204T070729_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_220141204T072631_20141204T074318_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_220141204T074759_20141204T080002_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_220141204T090512_20141204T092026_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_220141204T140414_20141204T143153_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_220141204T163320_20141204T170613_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_220141204T180934_20141204T184458_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	SIR_FDM_1B 143 0		0	0	0
SIR_FDM_2	134	0	0	0	0
1 QCC Errors					
umber of QCC reports with er	rrors:	0			
2.2 Missing QCC Repo	orts				
umber of products with missi	ing QCC reports:	All			