

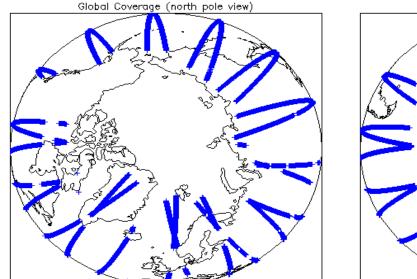
IDEAS+ Daily Report for NRT data:

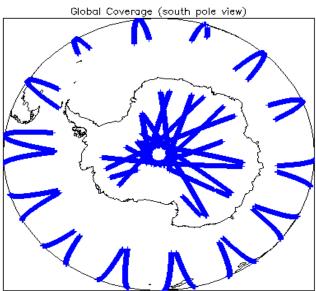
<u>01/12/2014</u>

eport Production Date:	02-Dec-2014	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, 6.6 and 6.8	

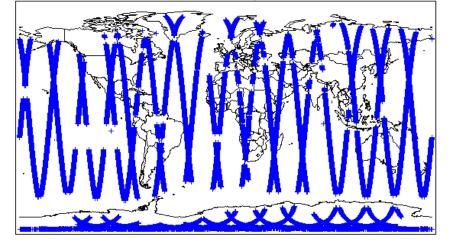
30-1107-2014	NULLE
01-Dec-2014	None
02-Dec-2014	Nothing planned







Global Coverage



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 1	1) for each measurement record. The bit va	lue of this flag indicates any problems when set.			
Number of products with errors: 0					
E Louis	LAD EDM Data Quality Ch				
5. Leve	I 1B FDM Data Quality Ch	IECK			
5.1 L1B FDM Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to ensu	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 SI	PH in order to identify any inconsistencies a	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					
		ing Data Files is somet			
Each product is checked for missing Data Set Descriptors wrt a pre-determined ba Number of products with errors: 0	aseline and also to check the validity of Auxil	lary Data Files is correct.			
5.4 L1B Correction Error Flags					
Each product is checked to detect auxiliary corrections flagged by the ground-stati	ion processing chain as missing or containin	g 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	h measurement record. The bit value of this	flag indicates any problems when set			
Number of products with errors: 4					
Product	Test Failed	Description			
CS_OFFL_SIR_FDM_1B_20141201T001905_20141201T002655_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo			
CS_OFFL_SIR_FDM_1B_20141201T134711_20141201T135014_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20141201T152635_20141201T152729_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_1B_20141201T170546_20141201T170642_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	•				
	un it consists of both on MMI books file (1				
Each product, retrieved and unpacked from the science server, is checked to ensure Number of products with errors: 0	ure it consists of both an XIVIL header file (.H	DR) 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 St	PH in order to identify any inconsistencies an	nd/or errors raised by the processing chain.			
Currently there is a high number of processing error flags set within the Level 2 FE #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They					
Data Set Records free of processing errors is below the minimum acceptable three					
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 ba	aseline and also to check the validity of Auxi	iarv Data Files is correct.			
Number of products with errors: 0	····,··,·				
CALLS FDM Compation From Flows					
6.4 L2 FDM Correction Error Flags					
Each product is checked to detect auxiliary corrections flagged by the ground-stati	ion 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					
Product	Test Failed	Description			
CS_OFFL_SIR_FDM_220141201T001905_20141201T002655_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo			
CS_OFFL_SIR_FDM_220141201T134711_20141201T135014_B001	Attitude correction missing	The attitude has not been corrected			
CS_OFFL_SIR_FDM_220141201T152635_20141201T152729_B001 CS_OFFL_SIR_FDM_2_20141201T170546_20141201T170642_B001	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected			
<u>-</u>					

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

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220141201T072839_20141201T072843_B001	OCOG Retracked Range Flag	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_220141201T072929_20141201T073630_B001	OCOG Retracked Range Flag	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_220141201T171000_20141201T171401_B001	OCOG Retracked Range Flag	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. 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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220141201T072839_20141201T072843_B001		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_2_20141201T072929_20141201T073630_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_220141201T101443_20141201T102925_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_220141201T131812_20141201T134422_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_2_20141201T171000_20141201T171401_B001		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_220141201T195718_20141201T202728_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_220141201T231207_20141201T234536_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	174	0	0	0	0
SIR_FDM_2	173	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with errors	s: 0				
7.2 Missing QCC Reports	S				
Number of products with missing	QCC reports: Al				