

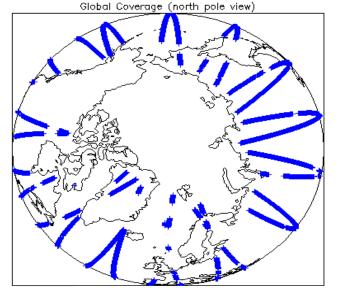
IDEAS+ Daily Report for NRT data:

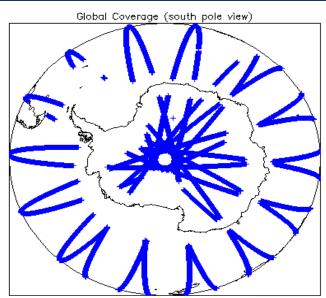
<u>09/02/2015</u>

eport Production Date:	10-Feb-2015	Check	Status	
Report Froduction 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	

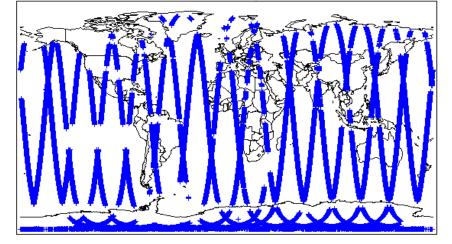
08-Feb-2015	None
09-Feb-2015	None
10-Feb-2015	Nothing planned







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

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 bas	seline and also to check the validity of Auxil	iary 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 val	ue of this flag indicates any problems when set.
Number of products with errors: 0	,	
5 1 0 10	1B FDM Data Quality Ch	ook
		eck
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensu	re it consists of both an XML header file (.H	DR) 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 ar	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 ba	seline and also to check the validity of Auvil	iary Data Files is correct
Number of products with errors: 0		
5.4.1.4.D. Competion From Flows		
5.4 L1B Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-static	on processing chain as missing or containing	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	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_20150209T090807_20150209T090848_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150209T104227_20150209T104450_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150209T122110_20150209T122231_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150209T150852_20150209T154419_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		
Each product, retrieved and unpacked from the science server, is checked to ensu Number of products with errors: 0	re it consists of both an XML 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 SP	PH in order to identify any inconsistencies ar	nd/or errors raised by the processing chain.
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		
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 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	n processing chain as missing or containin	n errors
Number of products with errors: 0		g criois.
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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	sment of the measurement quality by the processing chain.
Number of products with errors: 4		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150209T090807_20150209T090848_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150209T104227_20150209T104450_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150209T122110_20150209T122231_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150209T150852_20150209T154419_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.
Each product to checked to detect range medourements hagged by the processing chain as missing of containing enors.

Number of products with errors:	

Number of products with errors: 2		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150209T202328_20150209T203255_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.
CS_OFFL_SIR_FDM_220150209T232441_20150209T233626_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:

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

0

3

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150209T174152_20150209T175555_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_220150209T202328_20150209T203255_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_220150209T232441_20150209T233626_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	159	0	0	0	0
SIR_FDM_2	156	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: