

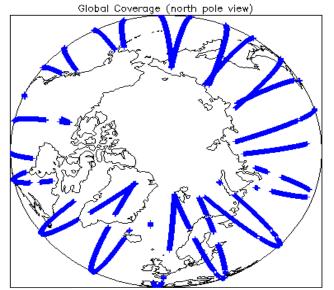
# IDEAS+ Daily Report for NRT data:

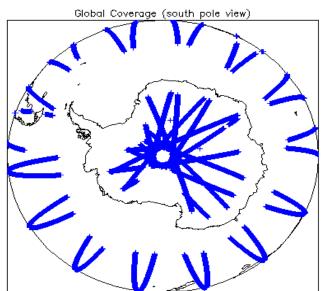
## <u>20/07/2015</u>

Report Production Date:	21-Jul-2015	Check	Status	
		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	

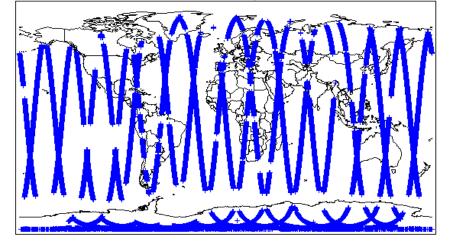
19-Jul-2015	None
20-Jul-2015	None
21-Jul-2015	Nothing planned







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 Usag	ge Check		
Each product is checked for missing Data Set Descention Number of products with errors:	riptors wrt a pre-determined ba	seline and also to check the validity of Au	xiliary Data Files is correct.
4.4 L1 CAL Measurement Confiden	ce Flags		
CryoSat Cal1 and Cal2 data includes a measuremer	nt confidence flag word (field 1	1) for each measurement record. The bit v	value of this flag indicates any problems when set.
Number of products with errors:	0		
	5. Level	1B FDM Data Quality C	heck
5.1 L1B FDM Product Format Chec			
Each product, retrieved and unpacked from the scie Number of products with errors:	nce server, is checked to ensu	re it consists of both an XML header file (	.HDR) and a binary product file (.DBL).
	0		
5.2 L1B FDM Product Header Analy	/sis		
		PH in order to identify any inconsistencies	and/or errors raised by the ground-segment processing chain.
Number of products with errors:	0		
5.3 L1B FDM Auxilary Data File Usa	age Check		
Each product is checked for missing Data Set Desci	riptors wrt a pre-determined ba	seline and also to check the validity of Au	xiliary Data Files is correct.
Number of products with errors:	0		
5.4 L1B FDM Correction Error Flag	S		
Each product is checked to detect auxiliary correction	ons flagged by the ground-static	on processing chain as missing or contain	ing errors.
Number of products with errors:	0		
5.5 L1B FDM Measurement Confide	ence Flags		
CryoSat L1B data includes a measurement confiden	-	measurement record. The hit value of the	is flag indicates any problems when set
Number of products with errors:	2		a nag indicates any problems when set.
Product		Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150720T045721_2015	0720T045757_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150720T092726_2015	0720T094028_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
	6. Leve	el 2 FDM Data Quality Cl	neck
6.1 L2 FDM Product Format Check		•	
		us it consists of both on VML booder file (	LIDD) and a kinery module file ( DDL )
Each product, retrieved and unpacked from the scie Number of products with errors:	0	The it consists of both an XIVIL header file (	
-			
6.2 L2 FDM Product Header Analys	is		
For all products, a series of pre-defined checks are of Number of products with errors:	carried out on the MPH and SF 0	PH in order to identify any inconsistencies	and/or errors raised by the processing chain.
6.3 L2 FDM Auxiliary Data File Usa	ge Check		
Each product is checked for missing Data Set Desci	riptors wrt a pre-determined ba	seline and also to check the validity of Au	xiliary 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	ons flagged by the ground-static	on processing chain as missing or contain	
Number of products with errors:	0		
6.5 L2 FDM Measurement Confider	ice Flags		
	-	record. The hit value of this flag is an ass	essment of the measurement quality by the processing chain.
Number of products with errors:	2	record. The bit value of this hay is an ass	essment of the measurement quality by the processing than.
Product		Test Failed	Description
CS_OFFL_SIR_FDM_220150720T045721_20150	0720T045757_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150720T092726_20150	J720T094028_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
6.6 L2 FDM Range Measurement F	lags		
Each product is checked to detect range measurem		chain as missing or containing orrers	
Number of products with errors:	2	onam as missing or containing enois.	
Product		Test Failed	Description
CS_OFFL_SIR_FDM_220150720T051803_20150	0720T055101_C001	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
201001201003_20100			ignored for these records. The master fail flag is set by the OCOG call, for one or more records,
CS_OFFL_SIR_FDM_220150720T171741_20150	)720T172342_C001	OCOG Retracked Range Flag	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 proce	essing chain as missing or containing error	S.	
Number of products with errors: 2			
Product	Test Failed	Description	
CS_OFFL_SIR_FDM_220150720T051803_20150720T055101_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_220150720T171741_20150720T172342_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	132	0	0	0	0	
SIR_FDM_2	126	0	0	0	0	
7.1 QCC Errors						
Number of QCC reports with errors: 0						
7.2 Missing QCC Reports						
Number of products with missir	ng QCC reports: Al					