

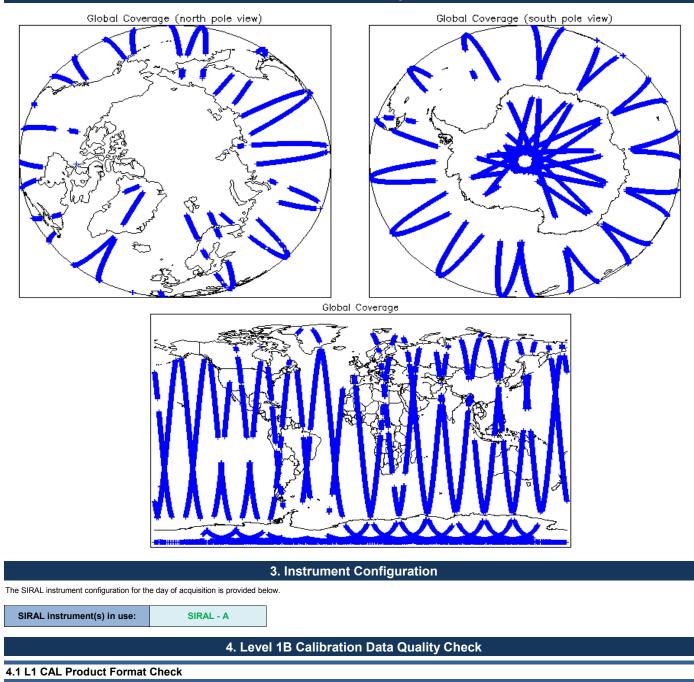
IDEAS+ Daily Report for NRT data:

<u>30/03/2015</u>

Report Production Date:	31-Mar-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 6.6, 6.7 and 6.8	

29-Mar-2015	
30-Mar-2015	None
31-Mar-2015	Nothing planned

2. Global Coverage



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.

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 Au	xiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1 CAL Measurement Confidence Flags		
CrvoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 11) for each measurement record. The bit v	alue of this flag indicates any problems when set.
Number of products with errors: 0	,	
5 0/0	S. Level 1B FDM Data Quality Check eck Colspan="2">Colspan="2" Colspan="2">Colspan="2" Colspan="2">Colspan="2" Colspan="2" Colspan="2"	
5.1 L1B FDM Product Format Check		
	re 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 SP	'H 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 Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determined bas	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 Flags		
	n nananing chain na minaing ay cantain	
	of processing chain as missing of contain	ng enois.
5.5 L1B FDM Measurement Confidence Flags		
	measurement record. The bit value of thi	s flag indicates any problems when set.
Number of products with errors: 0		
6. Leve	el 2 FDM Data Quality Ch	leck
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensur	re it consists of both an XML header file (HDR) and a binary product file (.DBL)
Number of products with errors: 0		
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	and/or errors raised by the processing chain.
#29) and also within the L2 Product files (MPH field #35 and SPH field #33). They a	are set by the FDM processor when an er	ror is detected during the L2 processing and also when the percentage of
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 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 corrections flagged by the ground-statio	n processing chain as missing or contain	
Number of products with errors: 0	in processing chain as missing or contain	ng chois.
6.5 L2 FDM Measurement Confidence Flags		
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement i	record. The bit value of this flag is an ass	essment of the measurement quality by the processing chain.
Number of products with errors: 0		
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: 2		
Product	Test Failed	Description The master fail flag is set by the OCOG call, for one or more records,
CS_OFFL_SIR_FDM_220150330T025413_20150330T030820_C001	OCOG Retracked Range Flag	indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records. The master fail flag is set by the OCOG call, for one or more records,
CS_OFFL_SIR_FDM_220150330T195527_20150330T200751_C001	OCOG Retracked Range Flag	indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records.

Each product is checked to detect Number of products with errors:	parameters related to SWH and sig 1	ma0 that are flagged by the p	rocessing chain as mi	ssing or contai	ning errors.		
Product		Test Failed		Descripti	on		
S_OFFL_SIR_FDM_220150330T160923_20150330T162420_C001			OCOG 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 Geophysica	al Measurement Flags						
Each product is checked to detect	geophysical measurements flagged	by the processing chain as m	nissing or containing e	rrors.			
Number of products with errors:	3						
Product	duct		t Failed Description				
CS_OFFL_SIR_FDM_22015033	0T025413_20150330T030820_C0	01 Ocean Retrack	ing 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_220150330T123203_20150330T130538_C001		01 Ocean Retrack	Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicat Retracker was not successfully executed for one				
CS_OFFL_SIR_FDM_220150330T195527_20150330T200751_C001		01 Ocean Retrack			The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.		
		7. QC0	C Check				
The QCC is a CryoSat facility that p provided below.	performs a primary survey of data p	roducts immediately after proc	duction by the PDS an	d LTA process	ng facilities. A list of the tests wh	ich raised errors or warnin	
Product type	Nb. Products	Nb. QCC Reports	Nb. Valio	d	Nb. Warnings	Nb. Errors	
SIR_FDM_1B SIR_FDM_2	151 150	0 0	0 0		0	0 0	
7.1 QCC Errors							
Number of QCC reports with erro	ors: 0						