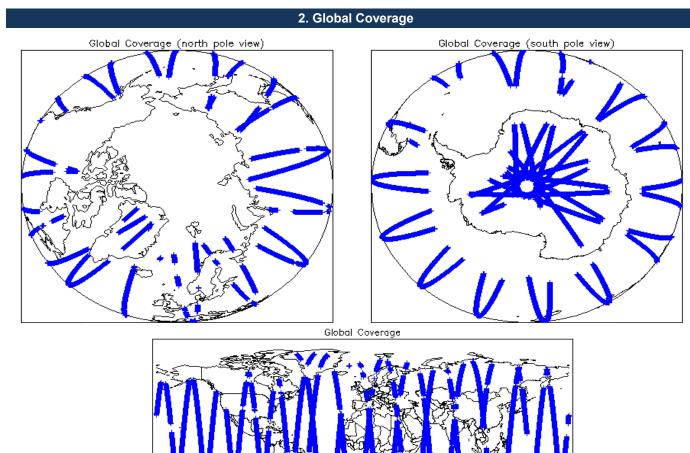


IDEAS+ Daily Report for NRT data:

01/06/2015

Demont Devolution Deter	02-Jun-2015	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	
Data Used:	(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, 6.7 and 6.8	

Mission / Instru	ment News
31-May-2015	None
01-Jun-2015	None
02-Jun-2015	Nothing planned



3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL - A SIRAL instrument(s) in use:

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.

Number of products with errors:

0

1

4.3 L1 CAL Auxiliary Data File U	Jsage Check		
Each product is checked for missing Data Set I Number of products with errors:	Descriptors wrt a pre-determiner	d baseline and also to check th	e validity of Auxiliary Data Files is correct.
4.4 L1 CAL Measurement Confi	dence Flags		
CryoSat Cal1 and Cal2 data includes a measur Number of products with errors:	rement confidence flag word (fie	eld 11) for each measurement re	ecord. The bit value of this flag indicates any problems when set.
Number of products with errors.	-		
	5. Lev	vel 1B FDM Data (Quality Check
5.1 L1B FDM Product Format C	heck		
Each product, retrieved and unpacked from the Number of products with errors:	e science server, is checked to e	ensure it consists of both an XM	/IL header file (.HDR) and a binary product file (.DBL).
5.2 L1B FDM Product Header A	nalvsis		
	-	d SPH in order to identify any ir	nconsistencies and/or errors raised by the ground-segment processing chain.
Number of products with errors:			
5.3 L1B FDM Auxilary Data File	Usage Check		
Each product is checked for missing Data Set I	Descriptors wrt a pre-determine	d baseline and also to check th	e validity of Auxiliary Data Files is correct.
Number of products with errors:	0		
5.4 L1B FDM Correction Error F	lags		
Each product is checked to detect auxiliary corr	rections flagged by the ground-	station processing chain as mis	sing or containing errors.
Number of products with errors:	0		
5.5 L1B FDM Measurement Con	ifidence Flags		
	-	each measurement record. The	bit value of this flag indicates any problems when set.
			data are not available in time for processing. This is a known issue and will be fixed in futur
Number of products with errors:	1		
Product	204506047404440 0004	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150601T184036_;	201506011184448_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
	6. Le	evel 2 FDM Data Q	uality Check
6.1 L2 FDM Product Format Che	eck		
Each product, retrieved and unpacked from the	science server, is checked to e	ensure it consists of both an XM	/L header file (.HDR) and a binary product file (.DBL)
Number of products with errors:	0		
6.2 L2 FDM Product Header Ana	alysis		
For all products, a series of pre-defined checks	are carried out on the MPH an	d SPH in order to identify any ir	nconsistencies and/or errors raised by the processing chain.
Number of products with errors:	0		
6.3 L2 FDM Auxiliary Data File L	Jsage Check		
Each product is checked for missing Data Set [Descriptors wrt a pre-determine	d baseline and also to check th	e validity of Auxiliary Data Files is correct.
Number of products with errors:	0		
6.4 L2 FDM Correction Error Fla	ags		
Each product is checked to detect auxiliary corr	rections flagged by the ground-s	station processing chain as mis	sing or containing errors.
Number of products with errors:	0		
6.5 L2 FDM Measurement Confi	dence Flags		
CryoSat L2 data includes a quality flag word (fie	eld 8) for each 20-Hz measurem	nent record. The bit value of this	s flag is an assessment of the measurement quality by the processing chain.
Attitude Correction Missing: In Baseline-C al releases.	I FDM products are missing Att	itude Correction as star tracker	data are not available in time for processing. This is a known issue and will be fixed in future
Number of products with errors:	1		
Product		Test Failed	Description
CS OFFL SIR FDM 2 20150601T184036 2	20150601T184448 C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

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.

7

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150601T035455_20150601T040611_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 ignored for these records.
CS_OFFL_SIR_FDM_220150601T065315_20150601T065406_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 ignored for these records.
CS_OFFL_SIR_FDM_220150601T091422_20150601T091948_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 ignored for these records.
CS_OFFL_SIR_FDM_220150601T170809_20150601T173630_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 ignored for these records.
CS_OFFL_SIR_FDM_220150601T191320_20150601T191512_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 ignored for these records.
CS_OFFL_SIR_FDM_220150601T210849_20150601T214148_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 ignored for these records.
CS_OFFL_SIR_FDM_220150601T230429_20150601T230559_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 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: 2

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150601T070701_20150601T074047_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.
CS_OFFL_SIR_FDM_220150601T140222_20150601T141709_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 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_220150601T002920_20150601T004532_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_220150601T035455_20150601T040611_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_220150601T065315_20150601T065406_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_220150601T091422_20150601T091948_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_220150601T191320_20150601T191512_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_220150601T210849_20150601T214148_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_220150601T230429_20150601T230559_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_220150601T231040_20150601T232019_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	135	0	0	0	0	
SIR_FDM_2	133	0	0	0	0	
7.1 QCC Errors						
Number of QCC reports with errors: 0						
7.2 Missing QCC Reports						
Number of products with missing QCC reports: All						