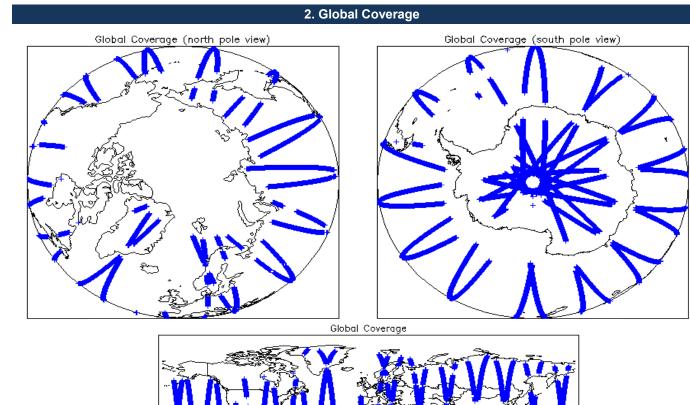


IDEAS+ Daily Report for NRT data:

<u>05/03/2015</u>

Report Production Date:	06-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
Data Osec.	(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

1113310117 1113010	
04-Mar-2015	None
05-Mar-2015	None
06-Mar-2015	Nothing planned
	·



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 Number of products with errors: 0	baseline and also to check the validity	of Auxiliary Data Files is correct.
4.4 L1 CAL Measurement Confidence Flags		
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field Number of products with errors: 0	d 11) for each measurement record. Th	ne bit value of this flag indicates any problems when set.
5. Lev	vel 1B FDM Data Qualit	ty Check
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to en	nsure it consists of both an XML heade	er 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 Number of products with errors: 0	SPH in order to identify any inconsiste	ncies and/or errors raised by the ground-segment processing chain.
5.3 L1B FDM Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wit a pre-determined Number of products with errors: 0	baseline and also to check the validity	r of Auxiliary Data Files is correct.
5.4 L1B FDM Correction Error Flags		
Each product is checked to detect auxiliary corrections flagged by the ground-st Number of products with errors: 0	tation processing chain as missing or c	iontaining errors.
5 5 L 4D EDM Mooouvrement Confidence Flore		
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 14) for each Number of products with errors: 3	ach measurement record. The bit value	e of this flag indicates any problems when set.
Number of products with errors: 3		
Product	Test Failed	Description The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150305T083207_20150305T083800_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150305T115244_20150305T115312_B001 CS_OFFL_SIR_FDM_1B_20150305T151656_20150305T151706_B001	Attitude correction missing Attitude correction missing	The attitude has not been corrected
6. Le	vel 2 FDM Data Quality	y Check
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to en Number of products with errors: 0	nsure it consists of both an XML heade	er file (.HDR) 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	SPH in order to identify any inconsiste	encies and/or errors raised by the processing chain.
	ey are set by the FDM processor when	roc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field an error is detected during the L2 processing and also when the percentage of intly set to 5%).
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	baseline and also to check the validity	of Auxiliary 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-st Number of products with errors: 0	tation processing chain as missing or c	containing errors.
6.5 L2 FDM Measurement Confidence Flags		
	ent record. The hit value of this floor is	an assessment of the macurement quality by the processing chain
CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measureme Number of products with errors: 3	sin record. The bit value of this hag is a	an assessment of the measurement quality by the processing chain.
Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150305T083207_20150305T083800_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150305T115244_20150305T115312_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150305T151656_20150305T151706_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.

5

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150305T022449_20150305T024732_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_220150305T032759_20150305T033610_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_220150305T091726_20150305T092903_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_220150305T101856_20150305T102020_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_220150305T163757_20150305T164957_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. Number of products with errors: 11

1

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150305T022449_20150305T024732_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_220150305T030538_20150305T032318_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_220150305T032759_20150305T033610_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_220150305T041417_20150305T042839_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_220150305T080323_20150305T082633_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_220150305T091726_20150305T092903_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_220150305T101856_20150305T102020_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_20150305T103412_20150305T110814_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_220150305T162223_20150305T163543_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_220150305T163757_20150305T164957_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_220150305T171720_20150305T172748_B001		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	163	0	0	0	0
SIR_FDM_2	159	0	0	0	0

7.1 QCC Errors

Number of QCC reports with errors:

Product Type	Product Start Time	Error	
SIR_FDM_1B	SIR_FDM_1B20150305T11	5755 RRTAISSOB	
	-		
Test Description K	(ey:		
Abbreviation	Test name	Details	
RRTAISSOB	RangeRecordTAIStartStopOrBlank	The time value should be between the record TAI start/stop times of the SPH.	
7.2 Missing C	QCC Reports		
Number of products with missing QCC reports:			

Number of products with missing QCC reports: