

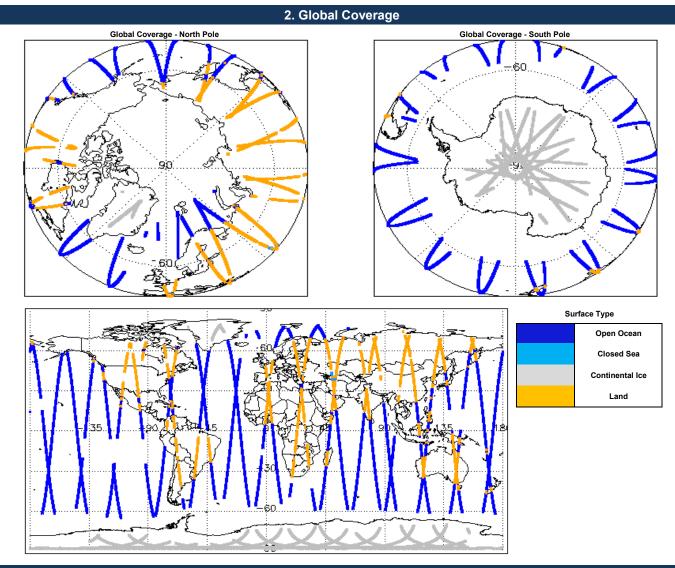
# IDEAS+ Daily Report for FDM data:

## <u>06/08/2015</u>



		1. Overview	
Report Production Date:	07-Aug-2015	Check	Status
Report Froduction Date.		Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:		Product Software Check	Nominal
Dete Heedi	Data Used: L1 and L2 Fast Delivery Marine (FDM) Mode and L0 Data	Product Format Check	Nominal
Data Used:		Product Header Analysis	See Section 4.2
		Star Tracker Usage Check	See Section 5.3
		Calibration Usage Check	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	See Section 6.4
		Measurement Confidence Data Check	See Section 5.6, 6.6, 6.7 and 6.8
Mission / Instrument News			

Mission / Instru	Mission / Instrument News	
05-Aug-2015	None	
06-Aug-2015	None	
07-Aug-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 & 3
Star Tracker(s) in use:	Star Tracker 1 & 3

4. Level 0 Data Quality Check

#### 4.1 L0 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).

0

Number of products with errors:

4.2 L0 Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH an	d SPH in order to identify any inconsister	cies and/or errors raised by the processing chain.
Number of products with errors: 2		
Product	Test Failed	
CS_OPER_SIR1SAR_020150806T003759_20150806T004218_0001		errors detected greater than minimum acceptable threshold.
CS_OPER_SIR1SAR_020150806T165145_20150806T165431_0001	Percentage of processing	errors detected greater than minimum acceptable threshold.
5. Le	vel 1B FDM Data Quality	y Check
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	ensure 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 an	d SPH in order to identify any inconsister	cies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.3 L1B FDM Star Tracker Usage Check		
Each product is checked in order to ensure a valid star tracker file has been us Number of products with errors: 4	sed in processing.	
·		
Product CS_OFFL_SIR_FDM_1B_20150806T003315_20150806T003324_C001	Test Failed No Star Tracker file used i	n the processing of this product
CS_OFFL_SIR_FDM_1B_20150806T020927_20150806T020937_C001		n the processing of this product
CS_OFFL_SIR_FDM_1B_20150806T034601_20150806T034734_C001	No Star Tracker file used i	n the processing of this product
CS_OFFL_SIR_FDM_1B_20150806T063652_20150806T071002_C001	No Star Tracker file used i	n the processing of this product
5.4 L1B FDM Calibration Usage Check		
Each product is checked in order to ensure the necessary calibration files have		
Number of products with errors: 0	been used in processing.	
5 5 L 4B EDM Auvilant Data File Llagge Check		
5.5 L1B FDM Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and also to check	the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
5.6 L1B FDM Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag (field 54) for each measurem	ent record. The bit value of this flag indic	ates any problems when set.
Number of products with errors: 0		
5.7 L1B FDM Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag (field 18) for each I	neasurement record. The bit value of this	s flag indicates any problems when set.
Number of products with errors: 6		
Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20150806T003315_20150806T003324_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150806T020927_20150806T020937_C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR FDM 1B 20150806T034601 20150806T034734 C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150806T063652_20150806T071002_C001	Attitude correction missing	The attitude has not been corrected
	-	The tracking echo has returned an error and the Rx1 Echo Error flag is se
CS_OFFL_SIR_FDM_1B_20150806T153607_20150806T154122_C001	Echo error, TRK echo error	indicating a degraded echo The tracking echo has returned an error and the Rx1 Echo Error flag is se
CS_OFFL_SIR_FDM_1B_20150806T220046_20150806T220500_C001	Echo error, TRK echo error	indicating a degraded echo
6. Le	evel 2 FDM Data Quality	Check
6.1 L2 FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	ensure 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 an	d SPH in order to identify any inconsister	cies and/or errors raised by the around-seament processing chain
Number of products with errors: 0		
6.3 L2 FDM Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pro	-determined baseline and also to observ	the validity of Auviliary Data Files is correct
Number of products with errors: 0		The funding of Multilling Data I lies is collect.

#### 6.4 L2 FDM Auxiliary Correction Error Check

Each product is checked to detect auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

45

Number of products with errors:

Number of products wit	h errors:	45
Product		
CS_OFFL_SIR_FDM_2_	_20150805T235916_	_20150806T001735_C001
CS_OFFL_SIR_FDM_2_	_20150806T003324	_20150806T003346_C001
CS_OFFL_SIR_FDM_2_	_20150806T005456	_20150806T010613_C001
CS_OFFL_SIR_FDM_2_	_20150806T013830	_20150806T020441_C001
CS_OFFL_SIR_FDM_2_	_20150806T020938_	_20150806T021624_C001
CS_OFFL_SIR_FDM_2_	_20150806T022937_	_20150806T024527_C001
CS_OFFL_SIR_FDM_2_	_20150806T034734	_20150806T035018_C001
CS_OFFL_SIR_FDM_2_	_20150806T035029	_20150806T035220_C001
CS_OFFL_SIR_FDM_2_	_20150806T035311	_20150806T035452_C001
CS_OFFL_SIR_FDM_2_	_20150806T040733	_20150806T044020_C001
CS_OFFL_SIR_FDM_2_	_20150806T054412	_20150806T061913_C001
CS_OFFL_SIR_FDM_2_	_20150806T072247	_20150806T073706_C001
CS_OFFL_SIR_FDM_2_	_20150806T074146	_20150806T074349_C001
CS_OFFL_SIR_FDM_2_	_20150806T074358	_20150806T075840_C001
CS_OFFL_SIR_FDM_2_	_20150806T091128	_20150806T092105_C001
CS_OFFL_SIR_FDM_2_	_20150806T092308	_20150806T093740_C001
CS_OFFL_SIR_FDM_2_	_20150806T101132_	_20150806T102430_C001
CS_OFFL_SIR_FDM_2_	_20150806T102553	_20150806T102816_C001
CS_OFFL_SIR_FDM_2_	_20150806T110129	_20150806T111632_C001
CS_OFFL_SIR_FDM_2_	_20150806T113223	_20150806T114303_C001
CS_OFFL_SIR_FDM_2_	_20150806T115431	_20150806T120550_C001
CS_OFFL_SIR_FDM_2_	_20150806T122015	_20150806T122304_C001
CS_OFFL_SIR_FDM_2_	_20150806T123603	_20150806T125532_C001
CS_OFFL_SIR_FDM_2_	_20150806T131119	_20150806T132217_C001
CS_OFFL_SIR_FDM_2_	_20150806T135735	_20150806T135739_C001
CS_OFFL_SIR_FDM_2_	_20150806T140854	_20150806T143452_C001
CS_OFFL_SIR_FDM_2_	_20150806T145140	_20150806T152436_C001
CS_OFFL_SIR_FDM_2_	_20150806T153607	_20150806T154122_C001
CS_OFFL_SIR_FDM_2_	_20150806T154827	_20150806T155037_C001
CS_OFFL_SIR_FDM_2_	_20150806T165431	_20150806T170559_C001
CS_OFFL_SIR_FDM_2_	_20150806T171542	_20150806T171946_C001
CS_OFFL_SIR_FDM_2_	_20150806T172707	_20150806T174036_C001
CS_OFFL_SIR_FDM_2_	_20150806T174224	_20150806T175229_C001
CS_OFFL_SIR_FDM_2_	_20150806T181501	_20150806T184156_C001
CS_OFFL_SIR_FDM_2_	_20150806T184158	_20150806T184602_C001
CS_OFFL_SIR_FDM_2_	_20150806T190143	_20150806T193012_C001
CS_OFFL_SIR_FDM_2_	_20150806T194923	_20150806T200603_C001
CS_OFFL_SIR_FDM_2_	_20150806T201045	_20150806T201850_C001
CS_OFFL_SIR_FDM_2_	_20150806T203916	_20150806T205444_C001
CS_OFFL_SIR_FDM_2_	_20150806T212826	_20150806T214232_C001
CS_OFFL_SIR_FDM_2_	_20150806T214411	_20150806T215938_C001
CS_OFFL_SIR_FDM_2_	_20150806T221755	_20150806T222039_C001
CS_OFFL_SIR_FDM_2_	_20150806T222105	_20150806T222813_C001
CS_OFFL_SIR_FDM_2_	_20150806T230824	_20150806T233008_C001
CS_OFFL_SIR_FDM_2_	_20150806T235637	_20150807T000325_C001

Test Failed
Sea State Bias Correction
Sea State Bias Correction, Altimetric Wind Speed
Sea State Bias Correction, Altimetric Wind Speed
Sea State Bias Correction, Altimetric
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ung	g errors.
	Description
	There is an error with the Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records
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	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records
	There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias
	Correction for one or more records
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	There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records

#### 6.5 L2 FDM Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag (field 8) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0

### 6.6 L2 FDM Range Measurement Check

CryoSat L2 data includes a CFI (field 17) and OCOG (field 22) Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors: 33

	Test Failed	Description
CS_OFFL_SIR_FDM_220150806T003324_20150806T003346_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T005456_20150806T010613_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T013830_20150806T020441_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T020938_20150806T021624_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T022937_20150806T024527_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T034734_20150806T035018_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T035029_20150806T035220_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T035311_20150806T035452_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T054412_20150806T061913_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T072247_20150806T073706_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T074146_20150806T074349_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T074358_20150806T075840_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T091128_20150806T092105_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T092308_20150806T093740_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T101132_20150806T102430_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T102553_20150806T102816_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T115431_20150806T120550_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T122015_20150806T122304_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T123603_20150806T125532_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T140854_20150806T143452_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T153607_20150806T154122_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T154827_20150806T155037_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T165431_20150806T170559_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T171542_20150806T171946_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T172707_20150806T174036_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T181501_20150806T184156_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T184158_20150806T184602_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T190143_20150806T193012_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T194923_20150806T200603_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T201045_20150806T201850_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T203916_20150806T205444_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
		The master fail flag is set by the CFI call, for one or more records,
CS_OFFL_SIR_FDM_220150806T214411_20150806T215938_C001	CFI Retracked Range Flag	indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records. The master fail flag is set by the CFI call, for one or more records,

CS_OFFL_SIR_FDM_220150806T222105_20150806T222813_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T230824_20150806T233008_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T235637_20150807T000325_C001	CFI Retracked Range Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #13, #14, #15 and #16 should be ignored for these records.

#### 6.7 L2 FDM SWH and Backscatter Measurement Check

33

Number of products with errors:

CryoSat L2 data includes a SWH-Squared Averaging Status flag (field 39) and an CFI (field 45) and OCOG (field 51) Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Description Test Failed Product The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T003324 20150806T003346 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T005456\_20150806T010613\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH indicating the values stored in fields #41, #42, #43 and #44 should be CS OFFL SIR FDM 2 20150806T013830 20150806T020441 C001 Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T020938\_20150806T021624\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T022937 20150806T024527 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T034734\_20150806T035018\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T035029\_20150806T035220\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ianored for these records. The master fail flag is set by the CFI call, for one or more records, CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T035311\_20150806T035452\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ianored for these records. The master fail flag is set by the CFI call, for one or more records. CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T054412 20150806T061913 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T072247 20150806T073706 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records The master fail flag is set by the CFI call, for one or more records, CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T074146\_20150806T074349\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T074358 20150806T075840 C001 Squared Averaging Status Flag ignored for these records The master fail flag is set by the CFI call, for one or more records, CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T091128 20150806T092105 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records The master fail flag is set by the CFI call, for one or more records, CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T092308 20150806T093740 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T101132\_20150806T102430\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records, CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T102553\_20150806T102816\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T115431\_20150806T120550\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ianored for these records. The master fail flag is set by the CFI call, for one or more records, CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T122015\_20150806T122304\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T123603\_20150806T125532\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T140854 20150806T143452 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T153607 20150806T154122 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records, CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T154827 20150806T155037 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records, CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T165431\_20150806T170559\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T171542\_20150806T171946\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records, CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T172707 20150806T174036 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS\_OFFL\_SIR\_FDM\_2\_\_20150806T181501\_20150806T184156\_C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records, CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T184158 20150806T184602 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records, CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T190143 20150806T193012 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records. The master fail flag is set by the CFI call, for one or more records CFI Backscatter Status Flag, SWH CS OFFL SIR FDM 2 20150806T194923 20150806T200603 C001 indicating the values stored in fields #41, #42, #43 and #44 should be Squared Averaging Status Flag ignored for these records

CS_OFFL_SIR_FDM_220150806T201045_20150806T201850_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T203916_20150806T205444_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T214411_20150806T215938_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T221755_20150806T222039_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T222105_20150806T222813_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T230824_20150806T233008_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.
CS_OFFL_SIR_FDM_220150806T235637_20150807T000325_C001	CFI Backscatter Status Flag, SWH Squared Averaging Status Flag	The master fail flag is set by the CFI call, for one or more records, indicating the values stored in fields #41, #42, #43 and #44 should be ignored for these records.

# 6.8 L2 FDM Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag (field 66) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 50

Product	Tost Esilod	Description
roduct S OFFL SIR FDM 2 20150806T003324 20150806T003346 C001	Test Failed	Description The Ocean Retracking Quality Flag is set indicating the CFI Ocean
	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220150806T005456_20150806T010613_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
S_OFFL_SIR_FDM_220150806T013830_20150806T020441_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.
S_OFFL_SIR_FDM_220150806T020938_20150806T021624_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.
S_OFFL_SIR_FDM_220150806T022937_20150806T024527_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_2_20150806T033548_20150806T034306_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
		Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220150806T034734_20150806T035018_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220150806T035029_20150806T035220_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
S_OFFL_SIR_FDM_220150806T035311_20150806T035452_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.
S_OFFL_SIR_FDM_220150806T040733_20150806T044020_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.
S_OFFL_SIR_FDM_220150806T053222_20150806T053345_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.
S_OFFL_SIR_FDM_220150806T054412_20150806T061913_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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220150806T063652_20150806T071002_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220150806T072247_20150806T073706_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
S_OFFL_SIR_FDM_220150806T074146_20150806T074349_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.
S_OFFL_SIR_FDM_220150806T074358_20150806T075840_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.
S_OFFL_SIR_FDM_220150806T081741_20150806T083004_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.
S_OFFL_SIR_FDM_220150806T083156_20150806T084915_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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220150806T091128_20150806T092105_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220150806T092308_20150806T093740_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
S_OFFL_SIR_FDM_220150806T101132_20150806T102430_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.
S_OFFL_SIR_FDM_220150806T102553_20150806T102816_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.
S_OFFL_SIR_FDM_220150806T115431_20150806T120550_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.
S_OFFL_SIR_FDM_220150806T122015_20150806T122304_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
		Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220150806T131119_20150806T132217_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
S_OFFL_SIR_FDM_220150806T132747_20150806T134225_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.
S_OFFL_SIR_FDM_220150806T140854_20150806T143452_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.
S_OFFL_SIR_FDM_220150806T145140_20150806T152436_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.
S_OFFL_SIR_FDM_220150806T153607_20150806T154122_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S OFFL SIR FDM 2 20150806T154827 20150806T155037 C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
		Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
S_OFFL_SIR_FDM_220150806T165431_20150806T170559_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.
S_OFFL_SIR_FDM_220150806T171542_20150806T171946_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.
S_OFFL_SIR_FDM_220150806T172707_20150806T174036_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.
S_OFFL_SIR_FDM_220150806T174224_20150806T175229_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.
S_OFFL_SIR_FDM_220150806T180949_20150806T181451_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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean
CS_OFFL_SIR_FDM_220150806T181501_20150806T184156_C001	Ocean Retracking Quality Flag	Retracker was not successfully executed for one or more records.

CS_OFFL_SIR_FDM_220150806T184158_20150806T184602_C001
CS_OFFL_SIR_FDM_220150806T190143_20150806T193012_C001
CS_OFFL_SIR_FDM_220150806T194923_20150806T200603_C001
CS_OFFL_SIR_FDM_220150806T201045_20150806T201850_C001
CS_OFFL_SIR_FDM_220150806T203916_20150806T205444_C001
CS_OFFL_SIR_FDM_220150806T205658_20150806T211113_C001
CS_OFFL_SIR_FDM_220150806T212826_20150806T214232_C001
CS_OFFL_SIR_FDM_220150806T214411_20150806T215938_C001
CS_OFFL_SIR_FDM_220150806T221755_20150806T222039_C001
CS_OFFL_SIR_FDM_220150806T222105_20150806T222813_C001
CS_OFFL_SIR_FDM_220150806T222935_20150806T223145_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. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records. The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.