

13-Jan-2014	None
14-Jan-2014	Nothing planned

2. Global Coverage



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 & 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. Number of products with errors:
0

4.3 L1 CAL 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
4.4 L1 CAL Measurement Confidence Flags
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (field 11) for each measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors: 0
5. Level 1B FDM Data Quality Check
5.1 L1B FDM 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: 0
5.2 L1B 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 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 baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors: 177		
Product	AUX File	Comment
All SIR_FDM_1B products (177 products)	CS_OPER_AUXISEAMPS_20140112T180000; 20140113T000000; 20140113T060000; 20140113T120000; 20140113T180000; CS_OPER_AUXISURFPS_20140112T180000; 20140113T000000; 20140113T120000; 20140113T180000; CS_OPER_AUXIV_WIND_20140113T120000; CS_OPER_AUXIV_WIND_20140113T120000; 20140113T180000; CS_OPER_AUXIV_WIND_20140113T120000; 20140113T180000; CS_OPER_AUXIVWETTRP_20140113T060000	Missing Forecast Auxiliary Files: CS_OPER_AUXISEAMPS; CS_OPER_AUXISURFPS; CS_OPER_AUXIU_WIND; CS_OPER_AUXIV_WIND; CS_OPER_AUXIWETTRP
All SIR_FDM_1B products (177 products)	CS_OPER_AUXIIONGIM_20140113T000000_20140113T23 5959_0001	Missing Forecast Auxiliary Files: CS_OPER_AUXIIONGIM

5.4 L1B Correction Error Flags

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

5

Number of products with errors: 177

Product	Test Failed	Description
All SIR_FDM_1B products (177 products)	Dry tropospheric correction, Wet tropospheric correction, Inverse barometric correction.	Due to missing Forecast Auxiliary Files, there was an error with the Dry tropospheric, Wet tropospheric and Inverse barometric corrections.
All SIR_FDM_1B products (177 products)	GIM lonospheric correction	Due to missing Forecast Auxiliary File, there was an error with the lonospheric correction.

5.5 L1B FDM Measurement Confidence Flags

CryoSat L1B data includes a measurement confidence flag word (field 14) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_1B_20140113T015426_20140113T020916_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20140113T052350_20140113T053030_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20140113T070620_20140113T070726_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20140113T084557_20140113T084615_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20140113T120938_20140113T121104_B001	Attitude correction missing	The attitude has not been corrected

6. Level 2 FDM Data Quality Check

6.1 L2 FDM 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:

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 inconsistencies and/or errors raised by the processing chain.

Currently there is a high number of processing error flags set within the Level 2 FDM products (Product_Err and L2_Proc_Flag). These flags are set within L2 Header files (MPH field #19 and SPH field #29) and also within the L2 Product files (MPH field #35 and SPH field #33). They are set by the FDM processor when an error is detected during the L2 processing and also when the percentage of Data Set Records free of processing errors is below the minimum acceptable threshold set within the processor (currently set to 5%).

This issue is under investigation.

Number of products with errors:

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:	175

Product	AUX File	Comment
All SIR_FDM_2 products (175 products)	CS_OPER_AUXISEAMPS_20140112T180000; 20140113T000000; 20140113T060000; 20140113T120000; 20140113T1800000; CS_OPER_AUXISURFPS_20140112T180000; 20140113T000000; 20140113T120000; 20140113T180000; CS_OPER_AUXIV_WIND_20140113T120000; CS_OPER_AUXIV_WIND_20140113T120000; 20140113T180000; 201401113T120000; 20140113T180000; CS_OPER_AUXIV_WIND_20140113T120000; 20140113T180000; CS_OPER_AUXIV_WENTRP_20140113T060000	Missing Forecast Auxiliary Files: CS_OPER_AUXISEAMPS; CS_OPER_AUXISURFPS; CS_OPER_AUXIU_WIND; CS_OPER_AUXIV_WIND; CS_OPER_AUXIWETTRP
All SIR_FDM_2 products (175 products)	CS_OPER_AUXIIONGIM_20140113T000000_20140113T23 5959_0001	Missing Forecast Auxiliary Files: CS_OPER_AUXIIONGIM

6.4 L2 FDM Correction Error Flags

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

175

Number of products with errors:

Product	Test Failed	Description
All SIR_FDM_2 products (175 products)	Dry tropospheric correction, Wet tropospheric correction, Inverse barometric correction	Due to missing Forecast Auxiliary Files, there was an error with the Dry tropospheric, Wet tropospheric and Inverse barometric corrections.
All SIR_FDM_2 products (175 products)	Ionospheric correction	Due to missing Forecast Auxiliary File, there was an error with the lonospheric correction.

6.5 L2 FDM Measurement Confidence Flags

CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement record. The bit value of this flag is an assessment of the measurement quality by the processing chain.

	vith errors:	cts with	products	imber of	N
--	--------------	----------	----------	----------	---

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220140113T015426_20140113T020916_B001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220140113T052350_20140113T053030_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220140113T070620_20140113T070726_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220140113T084557_20140113T084615_B001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220140113T120938_20140113T121104_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. 4

5

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220140113T013752_20140113T015246_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_2_20140113T140532_20140113T142048_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_220140113T142228_20140113T143658_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_220140113T175036_20140113T175556_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.

0

Number of products with errors:

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.

0

All

Number of products with errors: 175

All SIR_FDM_2 products (175 products) U-Wind component errors, V-Wind component errors, V-Wind component errors, V-Wind and V-wind components of the ECMWF model with the U-Wind and V-wind components of the ECMWF model with everts. CS_OFFL_SIR_FDM_2_20140112T235837_20140113T001451_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI 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_20140113T015426_20140113T0015426_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI 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_20140113T015426_20140113T024229_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI 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_20140113T024329_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI 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_20140113T105333_20140113T111854_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set in	Product	Test Failed	Description
CS_OFFL_SIR_FDM_2_20140112T235837_20140113T001451_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20140113T013752_20140113T015246_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20140113T015426_20140113T015246_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20140113T015426_20140113T020916_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20140113T024229_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking was not successfully executed for one or more records. CS_OFFL_SIR_FDM_2_20140113T1064305_20140113T1070416_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag i	All SIR_FDM_2 products (175 products)	U-Wind component errors, V-Wind component errors	Due to a missing Forecast Auxiliary Files, there was an error with the U-Wind and V-wind components of the ECMWF model wind vector.
CS_OFFL_SIR_FDM_2_20140113T013752_20140113T015246_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20140113T015426_20140113T020916_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI 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_20140113T10533_20140113T070416_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality F	CS_OFFL_SIR_FDM_220140112T235837_20140113T001451_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_2_20140113T015426_20140113T020916_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI CS_OFFL_SIR_FDM_2_20140113T023230_20140113T024229_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI CS_OFFL_SIR_FDM_2_20140113T024329_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI CS_OFFL_SIR_FDM_2_20140113T064305_20140113T070416_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI CS_OFFL_SIR_FDM_2_20140113T105333_20140113T111854_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI CS_OFFL_SIR_FDM_2_20140113T140532_20140113T142048_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI CS_OFFL_SIR_FDM_2_20140113T142048_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI CS_OFFL_SIR_FDM_2_20140113T142048_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Cean Ocean Retracking Quality Flag Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI CS_OFFL_SIR_FDM_2_20140113T142048_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI <t< td=""><td>CS_OFFL_SIR_FDM_220140113T013752_20140113T015246_B001</td><td>Ocean Retracking Quality Flag</td><td>The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.</td></t<>	CS_OFFL_SIR_FDM_220140113T013752_20140113T015246_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_2_20140113T023230_20140113T024229_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_2_20140113T172953_20140113T174854_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed	CS_OFFL_SIR_FDM_220140113T015426_20140113T020916_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_2_20140113T064305_20140113T070416_B001Ocean Retracking Quality FlagThe 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_20140113T105333_20140113T111854_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T105333_20140113T11854_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T142048_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T14228_20140113T142048_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T14228_20140113T142658_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T172953_20140113T174854_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T175556_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T175036_20140113T175556_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T221409_20140113T221439_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T222646_20140113T225209_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T222646_20140113T225209_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T222646_20140113T225209_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag </td <td>CS_OFFL_SIR_FDM_220140113T023230_20140113T024229_B001</td> <td>Ocean Retracking Quality Flag</td> <td>The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.</td>	CS_OFFL_SIR_FDM_220140113T023230_20140113T024229_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_2_20140113T105333_20140113T111854_B001Ocean Retracking Quality FlagThe 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_20140113T140532_20140113T142048_B001Ocean Retracking Quality FlagThe Ocean Retracker was not successfully executed for one or more records.CS_OFFL_SIR_FDM_2_20140113T14228_20140113T142048_B001Ocean Retracking Quality FlagThe Ocean Retracker was not successfully executed for one or more records.CS_OFFL_SIR_FDM_2_20140113T14228_20140113T142658_B001Ocean Retracking Quality FlagThe Ocean Retracker was not successfully executed for one or more records.CS_OFFL_SIR_FDM_2_20140113T172953_20140113T174854_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T172953_20140113T174854_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Fl	CS_OFFL_SIR_FDM_220140113T064305_20140113T070416_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_2_20140113T140532_20140113T142048_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T14228_20140113T142658_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T14228_20140113T142658_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T172953_20140113T174854_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T175036_20140113T175556_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T221409_20140113T221439_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality FlagCS_OFFL_SIR_FDM_2_20140113T222646_20140113T225209_B001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag is set indicating the CFI 	CS_OFFL_SIR_FDM_220140113T105333_20140113T111854_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_2_20140113T142228_20140113T143658_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_2_20140113T172953_20140113T174854_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_2_20140113T175036_20140113T175556_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_2_20140113T175036_20140113T175556_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_2_20140113T221409_20140113T221439_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_2_20140113T222646_20140113T225209_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_2_20140113T222646_20140113T225209_B001 Ocean Retracking Quality Flag The Ocean Retracker was not successfully executed for one or more records.	CS_OFFL_SIR_FDM_220140113T140532_20140113T142048_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_2_20140113T172953_20140113T174854_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_2_20140113T175036_20140113T175556_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_2_20140113T221409_20140113T221439_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_2_20140113T222646_20140113T225209_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_2_20140113T222646_20140113T225209_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.	CS_OFFL_SIR_FDM_220140113T142228_20140113T143658_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_2_20140113T175036_20140113T175556_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20140113T221409_20140113T221439_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20140113T221409_20140113T221439_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag CS_OFFL_SIR_FDM_2_20140113T222646_20140113T225209_B001 Ocean Retracking Quality Flag	CS_OFFL_SIR_FDM_220140113T172953_20140113T174854_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_2_20140113T221409_20140113T221439_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_2_20140113T222646_20140113T225209_B001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.	CS_OFFL_SIR_FDM_220140113T175036_20140113T175556_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_2_20140113T222646_20140113T225209_B001 Ocean Retracking Quality Flag Ocean Retracking Quality Flag The Ocean Retracking Quality Flag Ocean Retracker was not successfully executed for one or more records.	CS_OFFL_SIR_FDM_220140113T221409_20140113T221439_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_220140113T222646_20140113T225209_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.

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	178	0	0	0	0
SIR_FDM_2	176	0	0	0	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 Missing QCC Reports

Number of products with missing QCC reports: