

Report Production Date:

Processor Used:

Data Used:

IDEAS+ Daily Report for FDM data:

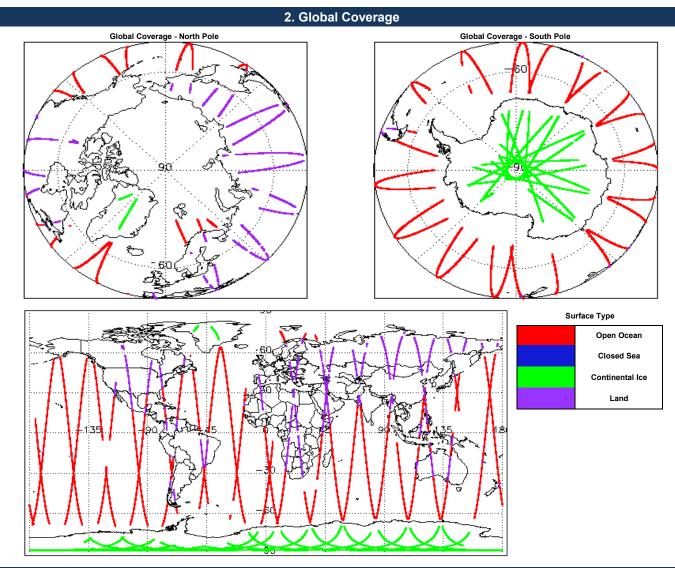
<u>13/03/2019</u>

See Section 5.3

| 1. Overview | | | | |
|--------------------------------------|---|-----------------|--|--|
| | | | | |
| 14-Mar-2019 | Check | Status | | |
| | Server check: science-pds.cryosat.esa.int | Nominal | | |
| CryoSat Ice Processor | Server check: calval-pds.cryosat.esa.int | Nominal | | |
| | Product Software Check | Nominal | | |
| L1 and L2 Fast Delivery Marine (FDM) | Product Format Check | Nominal | | |
| Mode and L0 Data | Product Header Analysis | See Section 4.2 | | |

| | | Calibration Usage Check | Nominal |
|------------------|-----------------|-----------------------------------|--|
| | | Auxiliary Data File Usage Check | Nominal |
| | | Auxiliary Correction Error Check | See Section 6.4 |
| | | Measurement Confidence Data Check | See Section 5.7, 6.5, 6.6, 6.7 and 6.8 |
| | | | |
| Mission / Instru | ument News | | |
| 12-Mar-2019 | None | | |
| 13-Mar-2019 | None | | |
| 14-Mar-2019 | Nothing planned | | |
| | | | |

Star Tracker Usage Check



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 |
| Star Tracker(s) in use: | Star Tracker 1 & |

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 and SPI | H in order to identify any inconsistencies a | and/or errors raised by the processing chain. |
| Number of products with errors: 4 | | |
| Product | Test Failed | |
| CS_OPER_SIR1SAR_020190313T092033_20190313T092234_0001.HDR | | s detected greater than minimum acceptable threshold. |
| CS_OPER_SIR1SAR_020190313T092335_20190313T093335_0001.HDR | Percentage of processing errors | s detected greater than minimum acceptable threshold. |
| CS_OPER_SIR1SIN_0_20190313T075610_20190313T080327_0001.HDR | Percentage of processing errors | detected greater than minimum acceptable threshold. |
| CS_OPER_SIR2SIN_020190313T173653_20190313T174205_0001.HDR | Percentage of processing errors | s detected greater than minimum acceptable threshold. |
| 5 0/0 | 1B FDM Data Quality Cl | bock |
| J. Level | | |
| 5.1 L1B FDM Product Format Check | | |
| Each product, retrieved and unpacked from the science server, is checked to ensure | e it consists of both an XML header file (.l | 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 Number of products with errors: 0 | H in order to identify any inconsistencies a | 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 used in | processing. | |
| Number of products with errors: 1 | | |
| Product | Test Failed | |
| CS_OFFL_SIR_FDM_1B_20190313T105554_20190313T105627_C001 | No Star Tracker file used in 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 been | n used in processing. | |
| Number of products with errors: 0 | | |
| 5.5 L1B FDM Auxilary Data File Usage Check | | |
| · · · · · · · · · · · · · · · · · · · | rmined baseline and also to shock the va | alidity of Auviliany Data Files is correct |
| Each product is checked for missing Data Set Descriptors with respect to a pre-dete Number of products with errors: 0 | ermined baseline and also to check the va | |
| | | |
| 5.6 L1B FDM Auxiliary Correction Error Check | | |
| CryoSat L1B data includes a correction error flag (field 54) for each measurement re | ecord. The bit value of this flag indicates a | 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 me | urement record. The bit value of this flag i | indicates any problems when set. |
| Number of products with errors: 2 | | |
| Product | Test Failed | Description The tracking echo has returned an error and the Rx1 Echo Error flag is set, |
| CS_OFFL_SIR_FDM_1B_20190313T031731_20190313T033139_C001 | Echo error, TRK echo error | indicating a degraded echo |
| CS_OFFL_SIR_FDM_1B_20190313T105554_20190313T105627_C001 | Attitude correction missing | The attitude has not been corrected |
| 6 979 | I 2 FDM Data Quality Ch | ack |
| | | |
| 6.1 L2 FDM Product Format Check | | |
| Each product, retrieved and unpacked from the science server, is checked to ensure | e it consists of both an XML header file (.l | HDR) and a binary product file (.DBL). |
| Number of products with errors: 0 | | |
| 6.2 L2 FDM Product Header Analysis | | |
| · | l in ander to identify, any inconsistencies o | |
| For all products, a series of pre-defined checks are carried out on the MPH and SPH Number of products with errors: 0 | a in order to identify any inconsistencies a | and/or errors raised by the ground-segment processing chain. |
| | | |
| 6.3 L2 FDM Auxiliary Data File Usage Check | | |
| Each product is checked for missing Data Set Descriptors with respect to a pre-dete | ermined baseline and also to check the va | alidity of Auxiliary Data Files is correct. |
| Number of products with errors: 0 | | |
| 6.4 L2 FDM Auxiliary Correction Error Check | | |
| Each product is checked to detect auxiliary corrections flagged by the ground-station | n processing chain as missing or containi | ng errors. |
| Number of products with errors: 33 | · · · · · · · · · · · · · · · · · · · | - |
| Product | Test Failed | Description |
| CS_OFFL_SIR_FDM_2_20190313T002829_20190313T010303_C001 | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| | Wind Speed Sea State Bias Correction, Altimetric | Correction for one or more records There is an error with the Altimetric Wind Speed and Sea State Bias |
| CS_OFFL_SIR_FDM_220190313T012748_20190313T013222_C001 | Wind Speed | Correction for one or more records There is an error with the Mean Sea Surface Height for one or more |
| CS_OFFL_SIR_FDM_220190313T023115_20190313T023830_C001 | Mean Sea Surface height | records |
| CS_OFFL_SIR_FDM_220190313T025827_20190313T031554_C001 | Sea State Bias Correction | There is an error with the Sea State Bias Correction for one or more records |

CS_OFFL_SIR_FDM_2__20190313T025827_20190313T031554_C001

records

| CS_OFFL_SIR_FDM_220190313T031731_20190313T033139_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
|---|---|---|
| CS_OFFL_SIR_FDM_220190313T034805_20190313T040342_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T040543_20190313T041505_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T050018_20190313T050632_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T050951_20190313T051434_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T063004_20190313T065333_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T080328_20190313T081511_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T084534_20190313T091509_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T093740_20190313T101149_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T102417_20190313T103040_C001 | Sea State Bias Correction | There is an error with the Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T111701_20190313T115115_C001 | Sea State Bias Correction | There is an error with the Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T125256_20190313T125336_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T125517_20190313T132858_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T134238_20190313T141850_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T143838_20190313T144600_C001 | Sea State Bias Correction | There is an error with the Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T145042_20190313T145159_C001 | Sea State Bias Correction | There is an error with the Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T145206_20190313T150826_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T162035_20190313T163101_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T163241_20190313T164741_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T170304_20190313T170403_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T172137_20190313T172450_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T172613_20190313T173322_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T194040_20190313T200621_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T201849_20190313T203102_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T203639_20190313T205226_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T213928_20190313T214604_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T215820_20190313T223254_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T230748_20190313T231551_C001 | Sea State Bias Correction, Altimetric Wind Speed | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| CS_OFFL_SIR_FDM_220190313T233749_20190314T000039_C001 | Sea State Bias Correction | There is an error with the Sea State Bias Correction for one or more records |
| | | |

6.5 L2 FDM Measurement Confidence Data Check

2

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:

| Product | Test Failed | Description |
|---|-----------------------------|--|
| CS_OFFL_SIR_FDM_220190313T031731_20190313T033139_C001 | Echo error | The Echo Rx1 Error flag is set, indicating a degraded raw echo |
| CS_OFFL_SIR_FDM_220190313T105554_20190313T105627_C001 | Attitude correction missing | The attitude has not been corrected |

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:
16

| | To a Called | Description |
|---|--------------------------|---|
| Product | Test Failed | Description |
| CS_OFFL_SIR_FDM_220190313T002829_20190313T010303_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_220190313T031731_20190313T033139_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_220190313T034805_20190313T040342_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_220190313T040543_20190313T041505_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_220190313T050018_20190313T050632_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_220190313T050951_20190313T051434_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_220190313T084534_20190313T091509_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_220190313T093740_20190313T101149_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_220190313T134238_20190313T141850_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_220190313T145206_20190313T150826_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_220190313T162035_20190313T163101_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_220190313T163241_20190313T164741_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_220190313T172137_20190313T172450_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_220190313T172613_20190313T173322_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_220190313T194040_20190313T200621_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_220190313T215820_20190313T223254_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

16

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.

| | with errors: | f products | Number of |
|--|--------------|------------|-----------|
|--|--------------|------------|-----------|

| Product | Test Failed | Description |
|---|---|---|
| CS_OFFL_SIR_FDM_220190313T002829_20190313T010303_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_220190313T031731_20190313T033139_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_220190313T034805_20190313T040342_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_220190313T040543_20190313T041505_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_220190313T050018_20190313T050632_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_220190313T050951_20190313T051434_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_220190313T084534_20190313T091509_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_220190313T093740_20190313T101149_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_220190313T134238_20190313T141850_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_220190313T145206_20190313T150826_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_220190313T162035_20190313T163101_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_220190313T163241_20190313T164741_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_220190313T172137_20190313T172450_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_220190313T172613_20190313T173322_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_220190313T194040_20190313T200621_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_220190313T215820_20190313T223254_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.

32

Number of products with errors:

| Product | Test Failed | Description |
|---|-------------------------------|---|
| CS_OFFL_SIR_FDM_220190313T002829_20190313T010303_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_220190313T012748_20190313T013222_C001 | | 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_220190313T013305_20190313T015045_C001 | | 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_220190313T031731_20190313T033139_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_220190313T034805_20190313T040342_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_220190313T040543_20190313T041505_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_220190313T044305_20190313T045410_C001 | | 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_220190313T050018_20190313T050632_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_220190313T050951_20190313T051434_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_220190313T052720_20190313T054255_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_220190313T061938_20190313T063002_C001 | | 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_220190313T063004_20190313T065333_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_220190313T070639_20190313T073157_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_220190313T080328_20190313T081511_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_220190313T084534_20190313T091509_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_220190313T093740_20190313T101149_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_220190313T111701_20190313T115115_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_220190313T120317_20190313T122316_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_220190313T125517_20190313T132858_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_220190313T134238_20190313T141850_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_220190313T145042_20190313T145159_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_220190313T145206_20190313T150826_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_220190313T162035_20190313T163101_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_220190313T163241_20190313T164741_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_220190313T172137_20190313T172450_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_220190313T172613_20190313T173322_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_220190313T180502_20190313T182643_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_220190313T194040_20190313T200621_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_220190313T201849_20190313T203102_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_220190313T211729_20190313T213701_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_220190313T215820_20190313T223254_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_220190313T233749_20190314T000039_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 Report Analysis

The Quality Control for CryoSat (QCC) facility 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 | | | | |
|--------------------------------------|--------------|-----------------|-----------|--------------|------------|--|--|--|--|
| SIR1LRM_0_ | 154 | 154 | 154 | 0 | 0 | | | | |
| SIR1SAR_0_ | 105 | 105 | 105 | 0 | 0 | | | | |
| SIR1SIN_0_ | 101 | 101 | 101 | 0 | 0 | | | | |
| SIR2SIN_0_ | 104 | 104 | 104 | 0 | 0 | | | | |
| SIR_FDM_1B | 154 | 154 | 154 | 0 | 0 | | | | |
| SIR_FDM_2 | 153 | 153 | 153 | 0 | 0 | | | | |
| 7.1 QCC Errors | | | | | | | | | |
| Number of QCC reports with errors: 0 | | | | | | | | | |

| 7.2 QCC Warnings | | | |
|--|---|--|--|
| Number of QCC reports with warnings | 0 | | |
| 7.3 Missing QCC Reports | | | |
| Number of products with missing QCC reports: | 0 | | |