

14-May-2016 None

IDEAS+ Daily Report for FDM data:

<u>14/05/2016</u>

| eport Production Date: | 16-May-2016 | Check | Status |
|-------------------------|--|---|--|
| Report Production Date. | | Server check: science-pds.cryosat.esa.int | Nominal |
| Processor Used: | CryoSat Ice Processor | Server check: calval-pds.cryosat.esa.int | Nominal |
| Frocessor Usea: | | Product Software Check | Nominal |
| | 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 5.7, 6.5, 6.6, 6.7 and 6.8 |

| 15-May-2016 Nothing planned | |
|------------------------------|------------------------------|
| 2. Globa | I Coverage |
| Global Coverage - North Pole | Global Coverage - South Pole |
| | |
| | Surface Type |
| V V | Open Ocean |
| IPT STATES | Closed Sea |
| | Continental Ice |
| | Land |
| IN IL I TRANSPORT | |
| I I KANZI I MASA | |
| 30 735 | |
| | |

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 | |

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 SPH in order to identify any inconsistencies and/or errors raised by the processing chain.
Number of products with errors:
9

| detected greater than minimum acceptable threshold. detected greater than minimum acceptable threshold. detected greater than minimum acceptable threshold. detected greater than minimum acceptable threshold. |
|---|
| detected greater than minimum acceptable threshold. |
| |
| detected greater than minimum acceptable threshold. |
| |
| detected greater than minimum acceptable threshold. |
| ors |

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 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing.

4

Number of products with errors:

| Product | Test Failed |
|---|---|
| CS_OFFL_SIR_FDM_1B_20160514T111500_20160514T112004_C001 | No Star Tracker file used in the processing of this product |
| CS_OFFL_SIR_FDM_1B_20160514T125606_20160514T125705_C001 | No Star Tracker file used in the processing of this product |
| CS_OFFL_SIR_FDM_1B_20160514T143540_20160514T143559_C001 | No Star Tracker file used in the processing of this product |
| CS_OFFL_SIR_FDM_1B_20160514T175914_20160514T180104_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 used in processing.

5

Number of products with errors:

5.5 L1B FDM Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-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 measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.7 L1B FDM Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) 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_20160514T065700_20160514T071155_C001 | Echo error, TRK echo error | The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo |
| CS_OFFL_SIR_FDM_1B_20160514T111500_20160514T112004_C001 | Attitude correction missing | The attitude has not been corrected |
| CS_OFFL_SIR_FDM_1B_20160514T125606_20160514T125705_C001 | Attitude correction missing | The attitude has not been corrected |
| CS_OFFL_SIR_FDM_1B_20160514T143540_20160514T143559_C001 | Attitude correction missing | The attitude has not been corrected |
| CS_OFFL_SIR_FDM_1B_20160514T175914_20160514T180104_C001 | 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: 0

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 ground-segment 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 pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

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.

39

Number of products with errors:

| Number of products with errors: | 39 |
|---------------------------------|--------------------------|
| Product | |
| CS_OFFL_SIR_FDM_220160514T0009 | 02_20160514T003634_C001 |
| CS_OFFL_SIR_FDM_220160514T0050 | 038_20160514T012435_C001 |
| CS_OFFL_SIR_FDM_220160514T0149 | 23_20160514T015044_C001 |
| CS_OFFL_SIR_FDM_220160514T0327 | 704_20160514T034115_C001 |
| CS_OFFL_SIR_FDM_220160514T0414 | 159_20160514T044124_C001 |
| CS_OFFL_SIR_FDM_220160514T0503 | 307_20160514T053014_C001 |
| CS_OFFL_SIR_FDM_220160514T0548 | 346_20160514T060600_C001 |
| CS_OFFL_SIR_FDM_220160514T0610 | 041_20160514T061549_C001 |
| CS_OFFL_SIR_FDM_220160514T0615 | 552_20160514T061818_C001 |
| CS_OFFL_SIR_FDM_220160514T0639 | 918_20160514T065446_C001 |
| CS_OFFL_SIR_FDM_220160514T0657 | 700_20160514T071155_C001 |
| CS_OFFL_SIR_FDM_220160514T0727 | 757_20160514T074229_C001 |
| CS_OFFL_SIR_FDM_220160514T0822 | 214_20160514T082852_C001 |
| CS_OFFL_SIR_FDM_220160514T0907 | 727_20160514T093136_C001 |
| CS_OFFL_SIR_FDM_220160514T1005 | 546_20160514T103212_C001 |
| CS_OFFL_SIR_FDM_220160514T1046 | 656_20160514T104900_C001 |
| CS_OFFL_SIR_FDM_220160514T1144 | 445_20160514T115441_C001 |
| CS_OFFL_SIR_FDM_220160514T1200 | 019_20160514T121101_C001 |
| CS_OFFL_SIR_FDM_220160514T1225 | 524_20160514T125402_C001 |
| CS_OFFL_SIR_FDM_220160514T1301 | 141_20160514T130323_C001 |
| CS_OFFL_SIR_FDM_220160514T1316 | 019_20160514T135001_C001 |
| CS_OFFL_SIR_FDM_220160514T1404 | 39_20160514T140708_C001 |
| CS_OFFL_SIR_FDM_220160514T1439 | 946_20160514T144344_C001 |
| CS_OFFL_SIR_FDM_220160514T1455 | 535_20160514T150449_C001 |
| CS_OFFL_SIR_FDM_220160514T1557 | 752_20160514T161026_C001 |
| CS_OFFL_SIR_FDM_220160514T1634 | 446_20160514T170807_C001 |
| CS_OFFL_SIR_FDM_220160514T1726 | 645_20160514T175736_C001 |
| CS_OFFL_SIR_FDM_220160514T1815 | 552_20160514T182530_C001 |
| CS_OFFL_SIR_FDM_220160514T1826 | 624_20160514T184730_C001 |
| CS_OFFL_SIR_FDM_220160514T1920 | 039_20160514T193319_C001 |
| CS_OFFL_SIR_FDM_220160514T1949 | 937_20160514T201030_C001 |
| CS_OFFL_SIR_FDM_220160514T2012 | 210_20160514T202624_C001 |
| CS_OFFL_SIR_FDM_220160514T2042 | 224_20160514T204528_C001 |
| CS_OFFL_SIR_FDM_220160514T2045 | 535_20160514T210134_C001 |
| CS_OFFL_SIR_FDM_220160514T2101 | 137_20160514T210416_C001 |
| CS_OFFL_SIR_FDM_220160514T2142 | 208_20160514T220520_C001 |
| CS_OFFL_SIR_FDM_220160514T2218 | 951_20160514T224722_C001 |
| CS_OFFL_SIR_FDM_220160514T2308 | 920_20160514T231055_C001 |
| CS_OFFL_SIR_FDM_220160514T2319 | 025_20160514T234521_C001 |

| | T 4 T - 11 - 1 | Description |
|---|--|--|
| _ | Test Failed Sea State Bias Correction, Altimetric | Description There is an error with the Altimetric Wind Speed and Sea State Bias |
| | Wind Speed | Correction for one or more records |
| : | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| 1 | Wind Speed | Correction for one or more records |
| : | Sea State Bias Correction | There is an error with the Sea State Bias Correction for one or more records |
| : | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| 1 | Wind Speed | Correction for one or more records |
| : | Sea State Bias Correction | There is an error with the Sea State Bias Correction for one or more records |
| : | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| 1 | Wind Speed | Correction for one or more records |
| | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias Correction for one or more records |
| | Wind Speed Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| 1 | Wind Speed | Correction for one or more records |
| | 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 |
| | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| 1 | Wind Speed | Correction for one or more records |
| | 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 |
| | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| 1 | Wind Speed | Correction for one or more records |
| | 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 |
| | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| 1 | Wind Speed | Correction for one or more records |
| | 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 |
| | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| | Wind Speed | Correction for one or more records |
| | 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 |
| | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| 1 | Wind Speed | Correction for one or more records |
| | 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 |
| | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| | Wind Speed | Correction for one or more records |
| | 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 |
| | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| | Wind Speed | Correction for one or more records |
| | 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 |
| : | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| 1 | Wind Speed | Correction for one or more records |
| : | Sea State Bias Correction | There is an error with the Sea State Bias Correction for one or more records |
| | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| | Wind Speed | Correction for one or more records There is an error with the Sea State Bias Correction for one or more |
| : | Sea State Bias Correction | records |
| | 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 |
| | Wind Speed | Correction for one or more records |
| | 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 |
| 1 | Wind Speed | Correction for one or more records |
| | 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 |
| | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| 1 | Wind Speed | Correction for one or more records |
| | 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 |
| | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| 1 | Wind Speed | Correction for one or more records |
| | 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 |
| | Sea State Bias Correction | There is an error with the Sea State Bias Correction for one or more |
| | | records |
| | 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 |
| : | Sea State Bias Correction, Altimetric | There is an error with the Altimetric Wind Speed and Sea State Bias |
| ľ | Wind Speed | 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:
 5

| Product | Test Failed | Description |
|---|-----------------------------|--|
| CS_OFFL_SIR_FDM_220160514T065700_20160514T071155_C001 | Echo error | The Echo Rx1 Error flag is set, indicating a degraded raw echo |
| CS_OFFL_SIR_FDM_220160514T111500_20160514T112004_C001 | Attitude correction missing | The attitude has not been corrected |
| CS_OFFL_SIR_FDM_220160514T125606_20160514T125705_C001 | Attitude correction missing | The attitude has not been corrected |
| CS_OFFL_SIR_FDM_220160514T143540_20160514T143559_C001 | Attitude correction missing | The attitude has not been corrected |
| CS_OFFL_SIR_FDM_220160514T175914_20160514T180104_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:
 26

| Product | Test Failed | Description |
|---|--------------------------|---|
| CS_OFFL_SIR_FDM_220160514T000902_20160514T003634_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_220160514T005038_20160514T012435_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_220160514T032704_20160514T034115_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_220160514T050307_20160514T053014_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_220160514T054846_20160514T060600_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_220160514T061041_20160514T061549_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_220160514T065700_20160514T071155_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_220160514T072757_20160514T074229_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_220160514T082214_20160514T082852_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_220160514T090727_20160514T093136_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_220160514T100546_20160514T103212_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_220160514T122524_20160514T125402_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_220160514T130141_20160514T130323_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_220160514T131619_20160514T135001_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_220160514T143946_20160514T144344_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_220160514T145535_20160514T150449_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_220160514T163446_20160514T170807_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_220160514T181552_20160514T182530_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_220160514T182624_20160514T184730_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_220160514T192039_20160514T193319_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_220160514T194937_20160514T201030_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_220160514T204535_20160514T210134_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_220160514T210137_20160514T210416_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_220160514T214208_20160514T220520_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_220160514T230920_20160514T231055_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_220160514T231925_20160514T234521_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

26

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.

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

| Product | Test Failed | Description |
|---|---|---|
| CS_OFFL_SIR_FDM_220160514T000902_20160514T003634_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_220160514T005038_20160514T012435_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_220160514T032704_20160514T034115_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_220160514T050307_20160514T053014_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_220160514T054846_20160514T060600_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_220160514T061041_20160514T061549_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_220160514T065700_20160514T071155_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_220160514T072757_20160514T074229_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_220160514T082214_20160514T082852_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_220160514T090727_20160514T093136_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_220160514T100546_20160514T103212_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_220160514T122524_20160514T125402_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_220160514T130141_20160514T130323_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_220160514T131619_20160514T135001_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_220160514T143946_20160514T144344_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_220160514T145535_20160514T150449_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_220160514T163446_20160514T170807_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_220160514T181552_20160514T182530_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_220160514T182624_20160514T184730_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_220160514T192039_20160514T193319_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_220160514T194937_20160514T201030_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_220160514T204535_20160514T210134_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_220160514T210137_20160514T210416_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_220160514T214208_20160514T220520_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_220160514T230920_20160514T231055_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_220160514T231925_20160514T234521_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. 43 Number of products with errors:

| Product | Test Failed | Description |
|---|-------------------------------|---|
| CS_OFFL_SIR_FDM_220160514T000902_20160514T003634_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_220160514T005038_20160514T012435_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_220160514T013736_20160514T013909_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_220160514T014923_20160514T015044_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_220160514T025427_20160514T030317_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_220160514T031613_20160514T031939_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_220160514T032704_20160514T034115_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_220160514T040912_20160514T041456_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_220160514T041459_20160514T044124_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_220160514T050307_20160514T053014_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_220160514T054846_20160514T060600_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_220160514T061041_20160514T061549_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_220160514T061552_20160514T061818_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_220160514T065700_20160514T071155_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_220160514T072757_20160514T074229_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_220160514T074408_20160514T080014_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_2__20160514T082214_20160514T082852_C001 CS OFFL SIR FDM 2 20160514T082936 20160514T083215 C001 CS_OFFL_SIR_FDM_2__20160514T083829_20160514T085308_C001 CS_OFFL_SIR_FDM_2__20160514T090727_20160514T093136_C001 CS OFFL SIR FDM 2 20160514T100546 20160514T103212 C001 CS_OFFL_SIR_FDM_2__20160514T122524_20160514T125402_C001 CS_OFFL_SIR_FDM_2__20160514T130141_20160514T130323_C001 CS OFFL SIR FDM 2 20160514T131619 20160514T135001 C001 CS_OFFL_SIR_FDM_2__20160514T141244_20160514T141639_C001 CS_OFFL_SIR_FDM_2__20160514T143946_20160514T144344_C001 CS OFFL SIR FDM 2 20160514T145535 20160514T150449 C001 CS_OFFL_SIR_FDM_2__20160514T150735_20160514T152927_C001 CS OFFL SIR FDM 2 20160514T155752 20160514T161026 C001 CS_OFFL_SIR_FDM_2__20160514T163446_20160514T170807_C001 CS_OFFL_SIR_FDM_2__20160514T172645_20160514T175736_C001 CS OFFL SIR FDM 2 20160514T181552 20160514T182530 C001 CS_OFFL_SIR_FDM_2__20160514T182624_20160514T184730_C001 CS_OFFL_SIR_FDM_2__20160514T190424_20160514T191420_C001 CS_OFFL_SIR_EDM_2__20160514T192039_20160514T193319_C001 CS_OFFL_SIR_FDM_2__20160514T194937_20160514T201030_C001 CS_OFFL_SIR_FDM_2__20160514T204535_20160514T210134_C001 CS OFFL SIR FDM 2 20160514T210137 20160514T210416 C001 CS OFFL SIR FDM 2 20160514T210612 20160514T211401 C001 CS OFFL SIR FDM 2 20160514T214208 20160514T220520 C001 CS OFFL SIR FDM 2 20160514T221951 20160514T224722 C001 CS OFFL SIR FDM 2 20160514T230920 20160514T231055 C001 CS_OFFL_SIR_FDM_2__20160514T231925_20160514T234521_C001

Ocean Retracking Quality Flag 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. 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. 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.