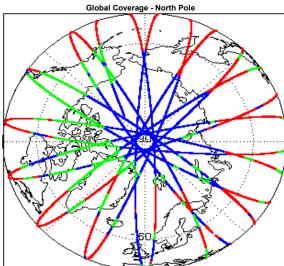


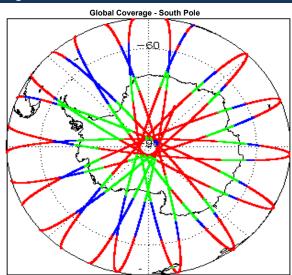
IDEAS+ Daily Report for OFFLINE data:

22/06/2018



| Report Production Date: | 20-Jul-2018 | Check | Status | | |
|--|-------------------------|---|---------|--|--|
| Report Froduction Date. | | Server check: science-pds.cryosat.esa.int | Nominal | | |
| Processor Used: | | Server check: calval-pds.cryosat.esa.int | Nominal | | |
| Processor Used. | CryoSat Ice Processor | Product Software Check | Nominal | | |
| Dete Head | L1B and L2 OFFLINE Data | Product Format Check | Nominal | | |
| Data Used: | | Product Header Analysis | Nominal | | |
| | | Star Tracker Usage Check | Nominal | | |
| L1B Calibration Usage Check Nominal | | | | | |
| L1B & L2 Auxiliary Data File Usage Check Nominal | | | | | |
| L1B & L2 Auxiliary Correction Error Check Nominal | | | | | |
| L1B & L2 Measurement Confidence Data Check See Section 4.7 and 5.5 | | | | | |
| | | | | | |
| Mission / Instrument News | | | | | |
| 21-Jun-2018 None | | | | | |
| 22-Jun-2018 None | | | | | |
| 23-Jun-2018 Nothing planne | ed | | | | |
| | | | | | |
| 2. Global Coverage | | | | | |
| Global Coverage - North Pole Global Coverage - South Pole | | | | | |

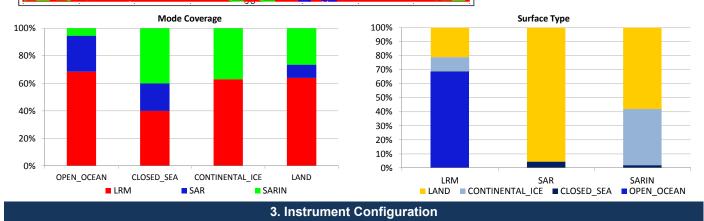




8



| LRM | 19.8 |
|-------|------|
| SAR | 13.5 |
| SARIn | 0.0 |



The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use: SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B 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 product file (.DBL)

Number of products with errors:

4.2 L1B 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

Number of products with errors.

4.3 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:

4.4 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing

Number of products with errors:

4.5 L1B 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

Number of products with errors.

4.6 L1B 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:

4.7 L1B 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.

Currently, there are several common error flags raised in the Level 1B products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Block Degraded Flag: This flag is currently set for a number of individual records generally at the start or end of products (all modes), but this is to be expected.

Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, indicating that the ADC correction application is deactivated, but this is in line with the current configuration. Number of products with errors: 2

Product Test Failed Description CS_OFFL_SIR_LRM_1B_20180622T061548_20180622T062301_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_LRM_1B_20180622T100718_20180622T100843_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

5. Level 2 Data Quality Check

5.1 L2 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 product file (.DBL) Number of products with errors: 0

5.2 L2 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.

5.3 L2 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. Number of products with errors: 0

.

5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag (field 50) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common error flags raised in the Level 2 products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Freeboard error: This flag is correctly set in all L2 SAR products that are not discriminated as sea-ice, and for which freeboard cannot be calculated.

Height and Backscatter errors: These flags are currently set for products over land, but this is to be expected. Retracker 1 Height and Backscatter error flags are also set for products over sea-ice, but this is to be expected.

Peakiness error: This flag is currently set for products over sea-ice, but this is to be expected.

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SARIN X-Track Angle Error: This flag is set when the difference between the computed surface elevation and the DEM is >50 m. The DEM is only available over Greenland and Antarctica and as a result this flag is set for L2 SARIn products in all other locations as expected.

SSHA interpolation error: This flag is currently set for a number of SAR products occurring at surface type boundaries, but this is to be expected.

Number of products with errors:

| Product | Test Failed | Description |
|--|-------------|---|
| CS OFFL SIR LRM 2 201806221000614 201806221003922 C001 | | There is a height and backscatter error for Retracker 2 for one or more records |

| CS OFFL SIR LRM 2 20180622T005504 20180622T011255 C001 | Height Error (Retracker 2), Backscatter | There is a height and backscatter error for Retracker 2 for one or more |
|--|---|--|
| | Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error | records There is a height and backscatter error for Retracker 2 and a height error |
| CS_OFFL_SIR_LRM_220180622T012206_20180622T012317_C001 | (Retracker 2) Height Error (Retracker 2), Height Error | for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T014355_20180622T021757_C001 | (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T022605_20180622T023017_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220180622T023500_20180622T030050_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T030113_20180622T030845_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T032112_20180622T033537_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T034017_20180622T034154_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T034203_20180622T035724_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T041610_20180622T042834_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T043040_20180622T044809_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T051008_20180622T051938_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T052140_20180622T053617_C001 | (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20180622T055234_20180622T055417_C001 | (Retracker 2) Height Error (Retracker 2), Backscatter | There is a height and backscatter error for Retracker 2 for one or more |
| CS_OFFL_SIR_LRM_2_20180622T061002_20180622T061442_C001 | Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error | records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| | (Retracker 2) Height Error (Retracker 2), Backscatter | There is a height and backscatter error for Retracker 2 for one or more |
| CS_OFFL_SIR_LRM_220180622T061548_20180622T062301_C001 | Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2), Bedragetter Error | records There is a height and backscatter error for Retracker 2 and a height error |
| CS_OFFL_SIR_LRM_220180622T065936_20180622T071505_C001 | (Retracker 3), Backscatter Error (Retracker 2) | for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T072346_20180622T072517_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220180622T073027_20180622T080422_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T082929_20180622T085436_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T090245_20180622T090610_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220180622T092615_20180622T093611_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T093618_20180622T094111_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T100846_20180622T103400_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T103701_20180622T104139_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220180622T104142_20180622T104515_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220180622T104937_20180622T112301_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T113604_20180622T113812_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T114748_20180622T114908_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T122855_20180622T125016_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T125302_20180622T130338_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20180622T131410_20180622T131826_C001 | (Retracker 2) Height Error (Retracker 2), Backscatter | There is a height and backscatter error for Retracker 2 for one or more |
| 00_0+1 L_0H_LHM_2_201000221101410_201000221101020_0001 | Error (Retracker 2) Height Error (Retracker 2), Height Error | records |
| CS_OFFL_SIR_LRM_220180622T132541_20180622T133055_C001 | (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more |
| CS_OFFL_SIR_LRM_220180622T133421_20180622T133908_C001 | Error (Retracker 2) Height Error (Retracker 2), Backscatter | There is a height and backscatter error for Retracker 2 for one or more |
| CS_OFFL_SIR_LRM_220180622T134055_20180622T135123_C001 | Error (Retracker 2), Backscatter | records |
| CS_OFFL_SIR_LRM_220180622T135704_20180622T140104_C001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220180622T140813_20180622T141312_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T141321_20180622T144439_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220180622T145828_20180622T152843_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T154742_20180622T160314_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T160320_20180622T160434_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T160914_20180622T161619_C001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220180622T163800_20180622T165316_C001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error |
| | (Retracker 2) | for Retracker 3 for one or more records |

| CS_OFFL_SIR_LRM_220180622T165934_20180622T171044_C001 |
|--|
| CS_OFFL_SIR_LRM_220180622T171703_20180622T171923_C001 |
| CS_OFFL_SIR_LRM_220180622T172657_20180622T174102_C001 |
| CS_OFFL_SIR_LRM_220180622T174241_20180622T175806_C001 |
| CS_OFFL_SIR_LRM_220180622T181935_20180622T182644_C001 |
| CS_OFFL_SIR_LRM_220180622T182806_20180622T183243_C001 |
| CS_OFFL_SIR_LRM_220180622T183609_20180622T185114_C001 |
| CS_OFFL_SIR_LRM_220180622T185451_20180622T190327_C001 |
| CS_OFFL_SIR_LRM_220180622T190620_20180622T192831_C001 |
| CS_OFFL_SIR_LRM_220180622T195422_20180622T195512_C001 |
| CS_OFFL_SIR_LRM_220180622T200609_20180622T203031_C001 |
| CS_OFFL_SIR_LRM_220180622T203651_20180622T204128_C001 |
| CS_OFFL_SIR_LRM_220180622T204600_20180622T211404_C001 |
| CS_OFFL_SIR_LRM_220180622T214317_20180622T215311_C001 |
| CS_OFFL_SIR_LRM_220180622T222421_20180622T224550_C001 |
| CS_OFFL_SIR_LRM_220180622T224601_20180622T225119_C001 |
| |
| CS_OFFL_SIR_LRM_220180622T230101_20180622T230211_C001 |
| CS_OFFL_SIR_LRM_220180622T231439_20180622T234811_C001 |
| CS_OFFL_SIR_SIN_220180622T004242_20180622T004600_C001 |
| CS_OFFL_SIR_SIN_220180622T005112_20180622T005237_C001 |
| CS_OFFL_SIR_SIN_220180622T013334_20180622T013437_C001 |
| CS_OFFL_SIR_SIN_220180622T021955_20180622T022339_C001 |
| CS_OFFL_SIR_SIN_220180622T023018_20180622T023125_C001 |
| CS_OFFL_SIR_SIN_220180622T030919_20180622T031056_C001 |
| CS_OFFL_SIR_SIN_220180622T031241_20180622T031355_C001 |
| CS_OFFL_SIR_SIN_220180622T035802_20180622T035938_C001 |
| CS_OFFL_SIR_SIN_220180622T040722_20180622T040907_C001 |
| CS_OFFL_SIR_SIN_220180622T044809_20180622T045310_C001 |
| CS_OFFL_SIR_SIN_220180622T053718_20180622T053903_C001 |
| CS_OFFL_SIR_SIN_220180622T054426_20180622T054432_C001 |
| CS_OFFL_SIR_SIN_220180622T054549_20180622T055201_C001 |
| CS_OFFL_SIR_SIN_220180622T062743_20180622T063038_C001 |
| CS_OFFL_SIR_SIN_220180622T071628_20180622T071849_C001 |
| CS_OFFL_SIR_SIN_220180622T072325_20180622T072331_C001 |
| CS_OFFL_SIR_SIN_220180622T072517_20180622T072832_C001 |
| CS_OFFL_SIR_SIN_220180622T085604_20180622T085720_C001 |
| CS_OFFL_SIR_SIN_220180622T090226_20180622T090228_C001 |
| CS_OFFL_SIR_SIN_220180622T090610_20180622T090726_C001 |
| CS_OFFL_SIR_SIN_220180622T095610_20180622T095649_C001 |
| CS_OFFL_SIR_SIN_220180622T103538_20180622T103701_C001 |
| CS_OFFL_SIR_SIN_2_20180622T104515_20180622T104631_C001 |
| CS_0FFL_SIR_SIN_220180622T121518_20180622T121644_C001 |
| CS_OFFL_SIR_SIN_220180622T122205_20180622T122514_C001 |
| CS_OFFL_SIR_SIN_220180622T131335_20180622T131409_C001 |
| CS_OFFL_SIR_SIN_220180622T135500_20180622T135704_C001 |
| CS_OFFL_SIR_SIN_2_20180622T140104_20180622T140435_C001 |
| CS_OFFL_SIR_SIN_2_20180622T153542_20180622T153816_C001 |
| CS_OFFL_SIR_SIN_220180622T154010_20180622T154314_C001 |

| Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is records |
|---|-----------------------------|
| Surface Model Unavailable | No DEN |
| Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is for Retra |
| Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is for Retra |
| Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is for Retra |
| Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is records |
| Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is records |
| Surface Model Unavailable | No DEN |
| Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is for Retra |
| Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is for Retra |
| Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is records |
| Surface Model Unavailable | No DEN |
| Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is for Retra |
| Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is records |
| Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is records |
| Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is records |
| Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is for Retra |
| Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | There is for Retra |
| SARIn X-track Angle Error | An ambi records |
| SARIn X-track Angle Error | An amb records |
| SARIn X-track Angle Error | An ambi records |
| SARIn X-track Angle Error | An ambi records |
| SARIn X-track Angle Error | An ambi records |
| SARIn X-track Angle Error | An ambi records |
| SARIn X-track Angle Error | An ambi records |
| SARIn X-track Angle Error | An ambi records |
| SARIn X-track Angle Error | An amb |
| SARIn X-track Angle Error, Surface | records An ambi |
| Model Unavailable SARIn X-track Angle Error | Model w An amb |
| SARIn X-track Angle Error | records An amb |
| SARIn X-track Angle Error, Surface | records An amb |
| Model Unavailable SARIn X-track Angle Error, Surface | Model w An amb |
| Model Unavailable | Model w An ambi |
| SARIn X-track Angle Error | records An amb |
| SARIn X-track Angle Error | records An amb |
| SARIn X-track Angle Error | records An amb |
| SARIn X-track Angle Error | records An amb |
| SARIn X-track Angle Error | records An amb |
| SARIn X-track Angle Error | records |
| SARIn X-track Angle Error, Surface Model Unavailable | An amb Model w An amb |
| SARIn X-track Angle Error | records An ambi |
| SARIn X-track Angle Error | records An amb |
| SARIn X-track Angle Error | records An amb |
| SARIn X-track Angle Error | records |
| SARIN X-track Angle Error, Surface Model Unavailable | An ambi Model w |
| SARIn X-track Angle Error | An ambi records |
| SARIn X-track Angle Error | An amb records |
| SARIn X-track Angle Error | An ambi records |
| SARIn X-track Angle Error | An ambi records |

There is a height and backscatter error for Retracker 2 for one or more ecords No DEM or Slope Model was used for the location of one or more records. There is a height and backscatter error for Retracker 2 and a height error or Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error or Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error or Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more ecords There is a height and backscatter error for Retracker 2 for one or more ecords No DEM or Slope Model was used for the location of one or more records here is a height and backscatter error for Retracker 2 and a height error or Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error or Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more ecords No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 and a height error or Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more ecords There is a height and backscatter error for Retracker 2 for one or more ecords There is a height and backscatter error for Retracker 2 for one or more ecords There is a height and backscatter error for Retracker 2 and a height error or Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode and no DEM or Slope lodel was used for one or more records An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode and no DEM or Slope Adel was used for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Nodel was used for one or more records An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode and no DEM or Slope Addel was used for one or more records An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more ecords An ambiguous angle was detected for SARIn mode for one or more

| CS_OFFL_SIR_SIN_220180622T154439_20180622T154636_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
|---|---|--|
| CS_OFFL_SIR_SIN_220180622T163053_20180622T163214_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T163546_20180622T163744_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T171109_20180622T171703_C001 | SARIn X-track Angle Error, Surface Model Unavailable | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records |
| CS_OFFL_SIR_SIN_220180622T171924_20180622T171958_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T172419_20180622T172558_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T180516_20180622T180617_C001 | SARIn X-track Angle Error, Surface Model Unavailable | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records |
| CS_OFFL_SIR_SIN_220180622T181019_20180622T181231_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T185307_20180622T185451_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T190328_20180622T190527_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T194932_20180622T195422_C001 | SARIn X-track Angle Error, Surface Model Unavailable | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records |
| CS_OFFL_SIR_SIN_220180622T203241_20180622T203404_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T203554_20180622T203651_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T204128_20180622T204346_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T212415_20180622T212436_C001 | SARIn X-track Angle Error, Surface Model Unavailable | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records |
| CS_OFFL_SIR_SIN_220180622T221213_20180622T221333_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T221342_20180622T221608_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T222202_20180622T222329_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220180622T230317_20180622T230343_C001 | SARIn X-track Angle Error, Surface Model Unavailable | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records |
| CS_OFFL_SIR_SIN_220180622T235203_20180622T235515_C001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |

6. 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 | No. Products | No. QCC Reports | No. Valid | No. Warnings | No. Errors |
|--------------|--------------|-----------------|-----------|--------------|------------|
| SIR_LRM_1B | 131 | 131 | 131 | 0 | 0 |
| SIR_LRM_2 | 131 | 131 | 131 | 0 | 0 |
| SIR_LRMI2_ | 131 | 131 | 131 | 0 | 0 |
| SIR_SAR_1B | 105 | 105 | 105 | 0 | 0 |
| SIR_SAR_2 | 105 | 105 | 105 | 0 | 0 |
| SIR_SARI2_ | 105 | 105 | 105 | 0 | 0 |
| SIR_SIN_1B | 103 | 103 | 103 | 0 | 0 |
| SIR_SIN_2 | 103 | 103 | 103 | 0 | 0 |
| SIR_SINI2 | 103 | 103 | 103 | 0 | 0 |
| SIR_GDR_2 | 14 | 14 | 14 | 0 | 0 |

6.1 QCC Errors

Number of products with QCC errors:

0

0

6.2 QCC Warnings

Number of QCC reports with warnings

6.2 Missing QCC Reports

Number of products with missing QCC reports: 184