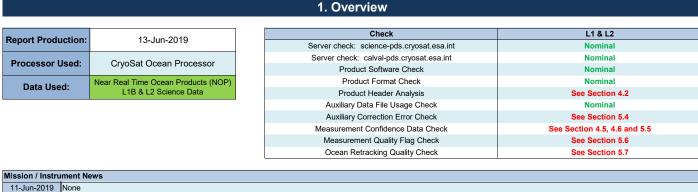


# IDEAS+ Daily Report for NOP data:

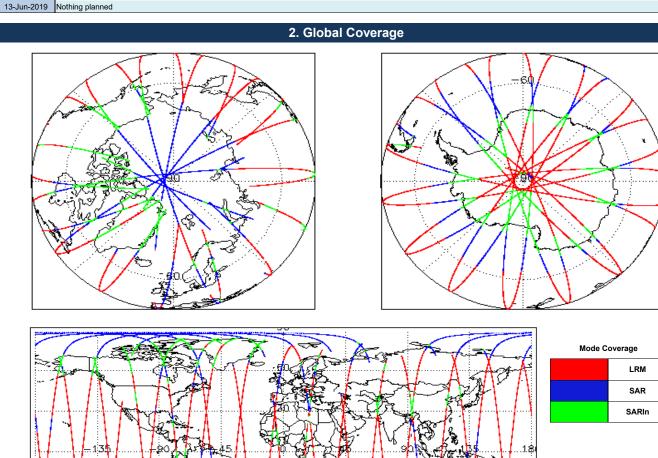
# <u>12/06/2019</u>

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#### 11-Jun-2019 None 12-Jun-2019 None



# 3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. NOP 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 binary product file (.DBL).

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#### 4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

L1B Processing Quality HR: The 11b\_proc\_flag\_hr flag is currently set all L1B IOPR and IOPN products because the 11b\_processing\_quality\_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next releas

Number of products with errors:

#### 4.3 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.

Dynamic Atmospheric Correction: The DAC is missing in all products because the auxiliary files required are not available in time for processing. This known and expected behaviour.

Number of products with errors:

## 4.4 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

## 4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

|--|

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190612T183139_20190612T183430_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20190612T234920_20190612T235532_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

## 4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.

> Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

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#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190612T101131_20190612T102607_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190612T112122_20190612T113433_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190612T001219_20190612T001325_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190612T032448_20190612T032518_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190612T113823_20190612T113908_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190612T114119_20190612T114149_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190612T183547_20190612T183659_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190612T205136_20190612T205638_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190612T214237_20190612T214454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190612T214500_20190612T214627_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190612T001811_20190612T001935_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190612T002125_20190612T002217_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190612T050358_20190612T051350_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190612T090826_20190612T090952_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190612T200739_20190612T201419_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190612T235533_20190612T235934_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. NOP 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 binary product file (.DBL).

Number of products with errors:

#### 5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed 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:

## 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:

## 5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

Currently, there are some common auxiliary correction errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update.

> Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.

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> Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.

> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Decision	Test Failed	Description
Product CS_OFFL_SIR_NOPM_2_20190612T001325_20190612T001413_C001	Test Failed ECMWF Meteo Corrections	Description There is an error with the ECMWF Meteo Corrections for one or more
CS OFFL SIR NOPM 2 20190612T005722 20190612T010537 C001	ECMWF Meteo Corrections	records There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPM_2_20190612T023613_20190612T023815_C001	ECMWF Meteo Corrections	records There is an error with the ECMWF Meteo Corrections for one or more
CS OFFL SIR NOPM 2 20190612T023855 20190612T024407 C001	ECMWF Meteo Corrections	records There is an error with the ECMWF Meteo Corrections for one or more
		records There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPM_2_20190612T041536_20190612T041625_C001	ECMWF Meteo Corrections	records There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPM_2_20190612T041820_20190612T042424_C001	ECMWF Meteo Corrections	records There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPM_2_20190612T055729_20190612T060254_C001	ECMWF Meteo Corrections	records There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPM_2_20190612T073627_20190612T073732_C001	ECMWF Meteo Corrections	records There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPM_2_20190612T073736_20190612T074145_C001	ECMWF Meteo Corrections	records There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPM_2_20190612T091146_20190612T091630_C001	ECMWF Meteo Corrections	records There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPM_2_20190612T091636_20190612T091643_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPM_2_20190612T091650_20190612T092027_C001	ECMWF Meteo Corrections	records
CS_OFFL_SIR_NOPM_2_20190612T103049_20190612T104804_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T105012_20190612T105528_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPM_2_20190612T105535_20190612T105541_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T105547_20190612T105559_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T105603_20190612T105739_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T112122_20190612T113433_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T122937_20190612T123439_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPM_2_20190612T123446_20190612T123457_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T123503_20190612T123513_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T123517_20190612T123618_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T141008_20190612T141355_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T141402_20190612T141410_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T141417_20190612T141659_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T150948_20190612T151035_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPM_2_20190612T154750_20190612T155309_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T155316_20190612T155642_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T172750_20190612T173546_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T190721_20190612T191235_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T204903_20190612T205136_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T222848_20190612T223043_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T223242_20190612T223548_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPM_2_20190612T232239_20190612T232446_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPN_2_20190612T001219_20190612T001325_C001	ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20190612T001413_20190612T001507_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPN_2_20190612T005523_20190612T005721_C001	ECMWF Meteo Corrections, Mean Dynamic Topography (1)	There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20190612T010538_20190612T010725_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPN_2_20190612T015132_20190612T015715_C001	ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1), the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20190612T023455_20190612T023613_C001	ECMWF Meteo Corrections, Mean Dynamic Topography (1)	There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20190612T023815_20190612T023855_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records

(i)       Sore or mile reads         (ii)       Sore or mile reads         (iii)       Control of the Construction o	CS_OFFL_SIR_NOPN_2_20190612T024407_20190612T024647_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more
CULUPIL_CULUPICAL_DUPERTING_D	CS_OFFL_SIR_NOPN_2_20190612T033150_20190612T033422_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic
bits     Control Address Controls     Process and the FOLOF Mach Controls on and the Control Address Controls on and the Control Addres Controls on and the Control Address Con	CS OFFL SIR NOPN 2 20190612T041415 20190612T041536 C001		There is an error with the ECMWF Meteo Corrections for one or more
ES. OPFL BRI NUMP. 2 2018011704264 2018011704251 (2011     EXAMP Match Concession     The second of the LCMM Match Concession of the second of the se			There is an error with the ECMWF Meteo Corrections for one or more
Lip, GHT_SELVIDPL_2014412[19544_0014671[19574_00146         Lip (Minter Controls in the Section 1 and the		ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more
International         (1)         Decide a mean statistic interacts           CQPT_BR_UON_2_D1000072052_00000720000_COM         CQMPT Make Constants         The mean statistic interacts           CQ_PT_BR_UON_2_D1000072052_000007207200_COM         Keen Oyneem Engagery (1)         The constants         The constants           CQ_PT_BR_UON_2_D1000072052_000007207200_COM         CQMPT Make Constants         The constants         The constants           CQ_PT_BR_UON_2_D100007207200_000007207200_COM         CQMPT Make Constants         The constants         The constants           CQ_PT_BR_UON_2_D100007207200_000007207200_COM         CQMPT Make Constants         The constants         The constants         The constants           CQ_PT_BR_UON_2_D100007207200_00000720110100_COM         CQMPT Make Constants         The const		ECMWF Meteo Corrections, Mean Sea	There is an error with the ECMWF Meteo Corrections, the Mean Sea
Calify Conf. (2010)         Conf. Math. Conf. (2010)         Conf. (2010)         Field and the Math. Control (2010)         Field and the Math. Contremath. The Math.	CS_OFFL_SIR_NOPN_2_20190612T055404_20190612T055728_C001		
PAL NTL 201901011002001 2019012100200 20190120102001 201901200200 2019001200200 201900000 20190000 20190000 20190000 201900000 20190000 20190000 20190000 201900000 201900000 201900000 201900000 201900000 20190000 20190000 20190000 20190000 201900000 201900000 20190000000000	CS_OFFL_SIR_NOPN_2_20190612T060255_20190612T060412_C001	ECMWF Meteo Corrections	records
Cd_CPF_1BR_VDPL_2010001710386_0010         Balace 10, Mare Dynamic Transpary (column)           Cd_CPF_1BR_VDPL_2010001710486_00107107468_0010         CdWM Mate Constitution         Balace 14 (balace constitution           Cd_CPF_1BR_VDPL_20100017107468_001001         CdWM Mate Constitution         Balace 14 (balace constitution           Cd_CPF_1BR_VDPL_20100017108007_000017108001_c001         CdWM Mate Constitution         Balace 14 (balace constitution           Cd_CPF_1BR_VDPL_20100017108007_000017108001_c001         CDWM Mate Constitution         Balace 14 (balace constitution           Cd_CPF_1BR_VDPL_20100017108007_0000017108001_c001         CDWM Mate Constitution         Description Constitution           Cd_CPF_1BR_VDPL_20100017108007_00000171080017_c000017108007_c0000         CDWM Mate Constitution         Description Constitution           Cd_CPF_1BR_VDPL_20100017108007_0000017108007_c0000         CDWM Mate Constitution         Description Constitution         Description Constitution           Cd_CPF_1BR_VDPL_20100017108007_0000017108007_c0000         CDWM Mate Constitution         Description Constitution         Description Constitution           Cd_CPF_1BR_VDPL_201000071108007_0000017108007_c0000         CDWM Mate Constitution         Description Constitution         Description Constitution           Cd_CPF_1BR_VDPL_201000071108007_0000017108007_c0000         CDWM Mate Constitution         Description Constitution         Description Constitution           Cd_CPF_1BR_VDPL	CS_OFFL_SIR_NOPN_2_20190612T065246_20190612T065522_C001		more records
Line Lundre Lu	CS_OFFL_SIR_NOPN_2_20190612T073306_20190612T073626_C001	Surface (1), Mean Dynamic Topography	Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)
CS. OFTL, SRI, NOPK 2. 2019612702223 2019012705115_0001       EXAMP Mate Source Cancelin, Name Source Cancelin, Strike Source Cancelin	CS_OFFL_SIR_NOPN_2_20190612T074145_20190612T074308_C001		
Control         Control         Control           Control         Cont	CS_OFFL_SIR_NOPN_2_20190612T082243_20190612T082501_C001	Barometric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES),	Barometric Correction, the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2:FES) and the Non-Equilibrium Long Period Ocean Tide for one more records
GS_CFFL_SR_NONL_2_010001700002_0100007100005       Sandoz (1), Mana Dynamic Tapography       Sandoz (1), Mana	CS_OFFL_SIR_NOPN_2_20190612T090953_20190612T091145_C001	ECMWF Meteo Corrections	
BC         CPUMP Mates Connections, Mean Sea           CS         CPUMP Mates Connections, Mean Sea           CS         CPUMP Mates Connections           CS<	CS_OFFL_SIR_NOPN_2_20190612T092027_20190612T092151_C001	Surface (1), Mean Dynamic Topography	Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)
GS_GFEL_SIR_NOPN_2_20190612T10435_20190612T10500_001     ECMVF Males Corrections     There is an end with the ECMVF Males Corrections for one or more end of the ECMVF Males Corrections       GS_GFEL_SIR_NOPN_2_20190612T10500_20190612T10500_001     ECMVF Males Corrections     There is an end with the ECMVF Males Corrections for one or more end of the ECMVF Males Corrections. Here Six       GS_GFEL_SIR_NOPN_2_20190612T10504_20190612T10504_001     ECMVF Males Corrections. Here Six     There is an end with the ECMVF Males Corrections, the Males Six       GS_GFEL_SIR_NOPN_2_20190612T112320_001     ECMVF Males Corrections.     There is an end with the ECMVF Males Corrections, the Males Six       GS_GFEL_SIR_NOPN_2_20190612T12320_001     ECMVF Males Corrections     There is an end with the ECMVF Males Corrections, the Males Six       GS_GFEL_SIR_NOPN_2_20190612T12321_20190612T12320_001     ECMVF Males Corrections     There is an end with the ECMVF Males Corrections for on end more records       GS_GFEL_SIR_NOPN_2_20190612T12345_20190612T14400_20190612T1440_20190612T1440_20190612T1440_20190612T1440	CS_OFFL_SIR_NOPN_2_20190612T100317_20190612T100420_C001	ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography	There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)
CS_OFT_SIR_NOPL_2000012110540_2010012110540_201001         ELMOY Made Contractions         records           CS_OFT_SIR_NOPL_20000121105740_20100121105740_2001         CCMWV Mades Corrections         There is an error with the ECMWY Mades Corrections for one or more or mo	CS_OFFL_SIR_NOPN_2_20190612T104835_20190612T105012_C001		There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPN_2_201901271105740_201901271105741_005121       Surface (1), Mean Dynamic Topography       Surface (1), Mean Dynamic Topography       Surface (1), Mean Dynamic Topography         CS_OFFL_SIR_NOPN_2_20190127114152_201901271122363_0001       ECMWY Meeo Corrections       There is an error with the ECMWF Meeta Corrections for one or more ercods         CS_OFFL_SIR_NOPN_2_20190512712246_201905127123630_0001       ECMWY Meeo Corrections       There is an error with the ECMWF Meeta Corrections for one or more more decods         CS_OFFL_SIR_NOPN_2_20190512712346_201905127123630_0001       ECMWY Meeo Corrections       There is an error with the ECMWF Meeta Corrections for one or more more decods         CS_OFFL_SIR_NOPN_2_20190512712467_201905127132507_0001       Mean Dynamic Topography (1)       There is an error with the ECMWF Meeta Corrections for one or more more decods         CS_OFFL_SIR_NOPN_2_201905127140455_20190512714055_20190512715554_20190512715554_20190512715554_20190512715555_201905127172553_20190512717255_20190512717255_20190512717255_2019051	CS_OFFL_SIR_NOPN_2_20190612T105600_20190612T105603_C001	ECMWF Meteo Corrections	
CS_OFFL_SIR_NOPN_2_2019012T11432_2019012T14334_001         Surface (1), Mean Dynamic Topography (solution 1) (1)         Surface (1), Mean Dynamic Topography (solution 1)         Surface (1), Mean Dynamic Topography (solution 1)           CS_OFFL_SIR_NOPN_2_20190612T122742_00190512T1223516_001         ECMWF Meleo Corrections         There is an error with the ECMWF Meleo Corrections for one or more morads           CS_OFFL_SIR_NOPN_2_20190612T122426_20190612T1223516_0001         ECMWF Meleo Corrections         There is an error with the ECMWF Meleo Corrections for one or more morads           CS_OFFL_SIR_NOPN_2_20190612T12426_20190612T122356_0001         ECMWF Meleo Corrections         There is an error with the Mean Dynamic Topography height for one or more records           CS_OFFL_SIR_NOPN_2_20190612T12426_20190612T12426_20190612T14265_20190612T14265_20190612T141006_0001         ECMWF Meleo Corrections         There is an error with the ECMWF Meleo Corrections for one or more morads           CS_OFFL_SIR_NOPN_2_20190612T14055_20190612T14401_0001         ECMWF Meleo Corrections         There is an error with the ECMWF Meleo Corrections for one or more morads           CS_OFFL_SIR_NOPN_2_20190612T14401_20190012T141401_0001         ECMWF Meleo Corrections         There is an error with the ECMWF Meleo Corrections for one or more morads           CS_OFFL_SIR_NOPN_2_20190612T14351_20190012T14361_20190012T14361_20190012T14361_20190012T14361_20190012T14361_20190012T14361_20190012T14361_20190012T14361_20190012T14361_20190012T14361_20190012T14361_20190012T14361_20190012T14361_20190012T13636_2001         ECMWF Meleo Corrections Men           CS_OFFL_	CS_OFFL_SIR_NOPN_2_20190612T105740_20190612T105941_C001	Surface (1), Mean Dynamic Topography	Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)
CS_OFFL_SIR_NOPN_2_201066127122749_20106612712230_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more acords         CS_OFFL_SIR_NOPN_2_20106612712351_201060127123510_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more acords         CS_OFFL_SIR_NOPN_2_201066127124262_001060127122476_C001       Mean Dynamic Topography (1)       There is an error with the Mean Dynamic Topography height for one or more records         CS_OFFL_SIR_NOPN_2_20106612714426_C001       Mean Dynamic Topography (1)       There is an error with the Mean Dynamic Topography height for one or more records         CS_OFFL_SIR_NOPN_2_20106612714406_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20106612714108_20106612714100_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20106612714101_2010612714101_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20106612714101_2010612714191       ECMWF Meteo Corrections, Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections and the Mean Saa Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_2010612714461_2010612714491_0001       ECMWF Meteo Corrections, Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections and the Mean Saa Dynamic Topography (1) <t< td=""><td>CS_OFFL_SIR_NOPN_2_20190612T114152_20190612T114334_C001</td><td>Surface (1), Mean Dynamic Topography</td><td>Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)</td></t<>	CS_OFFL_SIR_NOPN_2_20190612T114152_20190612T114334_C001	Surface (1), Mean Dynamic Topography	Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)
CS_OFFL_SIR_NOPN_2_201906127123513_001906127123516_0011       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_201906127132426_001906127132456_0010       Mean Dynamic Topography (1)       There is an error with the Mean Dynamic Topography height for one or more records         CS_OFFL_SIR_NOPN_2_201906127131701_001906127132207_0011       Mean Dynamic Topography (1)       There is an error with the Mean Dynamic Topography height for one or more records         CS_OFFL_SIR_NOPN_2_201906127141456_0010       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_2019061271414356_001906127141401_0001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_201906127141410_0010       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections and the Mean Sea Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_201906127144161_0010       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections and the Mean Sea Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_201906127144451_201906127140402_001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_201906127145451_201906127145402_001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_201906127145452_0190	CS_OFFL_SIR_NOPN_2_20190612T122749_20190612T122937_C001		There is an error with the ECMWF Meteo Corrections for one or more
GS_OFFL_SIR_NOPN_2_20190612T142432_00100612T14245_0001       ELMWF Mette Conceptions       There is an error with the Man Dynamic Topography height for one or more records         GS_OFFL_SIR_NOPN_2_20190612T142428_00190612T142435_0010       Mean Dynamic Topography (1)       There is an error with the Man Dynamic Topography height for one or more records         GS_OFFL_SIR_NOPN_2_20190612T141065_00190612T141008_0001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         GS_OFFL_SIR_NOPN_2_20190612T14111_0055_0110101114116_0001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         GS_OFFL_SIR_NOPN_2_20190612T141410_0001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         GS_OFFL_SIR_NOPN_2_20190612T141411_00190612T141416_001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         GS_OFFL_SIR_NOPN_2_20190612T144451_20190612T145442_001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         GS_OFFL_SIR_NOPN_2_20190612T145451_20190612T145449_001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         GS_OFFL_SIR_NOPN_2_20190612T145451_001001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         GS_OFFL_SIR_NOPN_2_20190612T145450_0010012T145465_0010	CS_OFFL_SIR_NOPN_2_20190612T123457_20190612T123503_C001	ECMWF Meteo Corrections	
DCSITE_SIR_NOPN_2_20190612T14100_20100012T132207_C001         Mean Dynamic Topography (1)         There is an error with the Mean Dynamic Topography height for one or more records           CS_OFFL_SIR_NOPN_2_20190612T1410065_20190612T141006         Control         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T141411_20190612T141406         Control         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T141411_20190612T141416_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T141401_20190612T1414191_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T144641_20190612T16420_20100         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T15462_20190612T154749_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T155642_20190612T155805_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T1755642_20190612T173658_C010         ECMWF Meteo Corrections, Mean Dynamic Topography (1)	CS_OFFL_SIR_NOPN_2_20190612T123513_20190612T123516_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPN_2_20190612113260_20101         mean Uptiamic Topography (1)         more recods           CS_OFFL_SIR_NOPN_2_20190612T1410655_20190612T141401_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more recods           CS_OFFL_SIR_NOPN_2_20190612T141411_20190612T141416_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more recods           CS_OFFL_SIR_NOPN_2_20190612T141411_20190612T141416_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T145451_20190612T15029_C001         Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T156029_C001         Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T156029_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T156042_0190612T156315_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T1785642_0190612T173566_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T173566_20190612T173568_C001         <	CS_OFFL_SIR_NOPN_2_20190612T124426_20190612T124745_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPN_2_20190612T14036_20190612T14101_0001       ECMWF Meteo Corrections       records         CS_OFFL_SIR_NOPN_2_20190612T141411_20190612T141401_0001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T141411_20190612T141416_0001       ECMWF Meteo Corrections, Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T145451_20190612T145451_00190612T150029_0001       Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T145451_20190612T155029_0001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T156505_0010E       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T15565_01001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T172656_01001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T172656_01001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T172656_01001       ECMWF Meteo Corrections       There is an error with the ECM	CS_OFFL_SIR_NOPN_2_20190612T131701_20190612T132207_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_NOPN_2_20190612T141406_20190612T141416_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T141411_20190612T141416_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T145451_20190612T154029_C001         Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T154621_20190612T154749_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T154621_20190612T154749_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T156805_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T172652_20190612T172680_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         Surface Height (solution 1) for one or more records           CS_OFFL_SIR_NOPN_2_20190612T173646_20190612T173658_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T164621_20190612T173658_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the E	CS_OFFL_SIR_NOPN_2_20190612T140655_20190612T141008_C001	ECMWF Meteo Corrections	
CS_OFFL_SIR_NOPN_2_20190612T141411_20190612T141416_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T141700_20190612T141914_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T15461_20190612T150029_C001         Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T156451_20190612T155315_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T155605_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T172652_20190612T172650_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T172652_20190612T17265_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T172652_20190612T172658_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T181451_20190612T181647_C001         Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records	CS_OFFL_SIR_NOPN_2_20190612T141356_20190612T141401_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPN_2_20190612T141914_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) for one or more records           CS_OFFL_SIR_NOPN_2_20190612T145451_20190612T150029_C001         Mean Dynamic Topography (1)         There is an error with the Mean Dynamic Topography height for one or more records           CS_OFFL_SIR_NOPN_2_20190612T155309_20190612T155309_20190612T155315_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T155642_20190612T155305_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T172652_20190612T172650_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T173656_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T16356_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) for one or more records           CS_OFFL_SIR_NOPN_2_20190612T16355_20190612T190721_C001         Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) or one or more records           CS_OFFL_SIR_NOPN_2_20190612T190555_20190612T190721	CS_OFFL_SIR_NOPN_2_20190612T141411_20190612T141416_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPN_2_20190612T14545_20190612T150022_0001       Mean Dynamic Topography (1)       more records         CS_OFFL_SIR_NOPN_2_20190612T15462_10190612T155315_0001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T15563_001012T15505_0001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T172655_00100612T172655_0010       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T172655_00100612T172656_0010       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) for one or more records         CS_OFFL_SIR_NOPN_2_20190612T172655_00190612T173658_0001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T181451_20190612T181647_C001       Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the error records         CS_OFFL_SIR_NOPN_2_20190612T190555_0190612T190721_C001       ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T204558_0190612T204593_C001       ECMWF Meteo Corrections, Mean Sea Surface (1)       Surface Height (solution 1) or one or more records      <	CS_OFFL_SIR_NOPN_2_20190612T141700_20190612T141914_C001		There is an error with the ECMWF Meteo Corrections and the Mean Sea
CS_OFFL_SIR_NOPN_2_20190612T154621_20190612T154749_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T155309_20190612T155305_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T172625_20190612T17250_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T172625_20190612T172656_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T17264_20190612T172656_C001         ECMWF Meteo Corrections         There is an error with the ECMWF Meteo Corrections for one or more records           CS_OFFL_SIR_NOPN_2_20190612T181451_20190612T181647_C001         Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface (1)           CS_OFFL_SIR_NOPN_2_20190612T191235_20190612T191537_C001         ECMWF Meteo Corrections, Mean Sea Surface (1)         There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1)           CS_OFFL_SIR_NOPN_2_20190612T205638_C001         ECMWF Meteo Corrections, Mean Sea Surface (1)         There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1)           CS_OFFL_SIR_NOPN_2_20190612T205638_C001         ECMWF Meteo Corrections, Mean Sea Surface (1)         There	CS_OFFL_SIR_NOPN_2_20190612T145451_20190612T150029_C001		
CS_OFFL_SIR_NOPN_2_20190612T155309_20190612T155315_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T175642_20190612T175505_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T172625_20190612T172655_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T172655_C0190612T173546_20190612T173658_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T181451_20190612T181647_C001       Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T190555_20190612T190721_C001       ECMWF Meteo Corrections, Mean Bea       Surface (1) Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T191235_20190612T191537_C001       ECMWF Meteo Corrections, Mean Sea       Surface (1), Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T204558_20190612T204903_C001       Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, Mean Sea         Surface (1), Mean Dynamic Topography (1)       for one or more records       There is an error with the ECMWF Meteo Corrections, the Mean Sea         Surface LSIR_NOPN_2_20190612T191235_20190612T204903_C001       Dynamic Topography (1)       The	CS_OFFL_SIR_NOPN_2_20190612T154621_20190612T154749_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPN_2_20190612T155642_20190612T155805_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections and the Mean Sea         CS_OFFL_SIR_NOPN_2_20190612T172655_20190612T172550_C001       ECMWF Meteo Corrections, Mean       There is an error with the ECMWF Meteo Corrections and the Mean Sea         CS_OFFL_SIR_NOPN_2_20190612T173546_20190612T173658_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T181645_20190612T181647_C001       Mean Dynamic Topography (1)       There is an error with the Mean Dynamic Topography height for one or more records         CS_OFFL_SIR_NOPN_2_20190612T190555_20190612T190721_C001       ECMWF Meteo Corrections, Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea         Surface (1), Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea       Surface (1), Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T191235_20190612T190721_C001       ECMWF Meteo Corrections, Mean Sea       Surface Height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T101235_00190612T204903_C001       ECMWF Meteo Corrections, Mean Sea       Surface Height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T204558_20190612T204903_C001       ECMWF Meteo Corrections, Mean Sea       Surface Height (solution 1) for one or more records         CS_OFFL_SIR_NOPN_2_20190612T204558_C001	CS_OFFL_SIR_NOPN_2_20190612T155309_20190612T155315_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPN_2_20190612T172625_20190612T172650_C001       ECMWF Meteo Corrections, Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) for one or more records         CS_OFFL_SIR_NOPN_2_20190612T173546_20190612T173658_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T181451_20190612T181647_C001       Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface (1), Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T1910555_20190612T191235_20190612T191537_C001       ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T204558_20190612T191537_C001       ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T204558_20190612T204903_C001       ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T204558_20190612T204903_C001       ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corre			There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPN_2_20190612T173546_20190612T173658_C001       ECMWF Meteo Corrections       There is an error with the ECMWF Meteo Corrections for one or more records         CS_OFFL_SIR_NOPN_2_20190612T181451_20190612T181647_C001       Mean Dynamic Topography (1)       There is an error with the Mean Dynamic Topography height for one or more records         CS_OFFL_SIR_NOPN_2_20190612T190555_20190612T190721_C001       ECMWF Meteo Corrections, Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T191235_20190612T191537_C001       ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T204558_20190612T205638_C001       ECMWF Meteo Corrections, Mean Sea Surface (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1)         CS_OFFL_SIR_NOPN_2_20190612T214237_20190612T214454_C001       Mean Sea Surface (1)       ECMWF Meteo Corrections, Mean Sea Surface (1)         CS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001       ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records         CS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001       ECMWF Meteo Corrections, Mean Sea Surface (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (1)			There is an error with the ECMWF Meteo Corrections and the Mean Sea
CS_OFFL_SIR_NOPN_2_20190612T181451_20190612T181647_C001         Mean Dynamic Topography (1)         There is an error with the Mean Dynamic Topography height for one or more records           CS_OFFL_SIR_NOPN_2_20190612T190555_20190612T190721_C001         Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections and the Mean Sea           CS_OFFL_SIR_NOPN_2_20190612T191235_20190612T191537_C001         ECMWF Meteo Corrections, Mean Sea         Surface (1), Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections, the Mean Sea           CS_OFFL_SIR_NOPN_2_20190612T204558_20190612T204903_C001         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections, and the Mean Sea           Surface (1), Mean Dynamic Topography (1)         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         There is an error with the ECMWF Meteo Corrections and the Mean Sea           Surface (1), Mean Dynamic Topography (1)         ECMWF Meteo Corrections, Mean Dynamic Topography (1)         Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records           CS_OFFL_SIR_NOPN_2_20190612T205136_20190612T205638_C001         ECMWF Meteo Corrections, Mean Sea Surface (1)         There is an error with the Mean Dynamic Topography (solution 1) for one or more records           CS_OFFL_SIR_NOPN_2_20190612T214237_20190612T222848_C001         Mean Sea Surface (1)         There is an error with the Mean Dynamic Topography (solution 1) for one or more records           CS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_	CS_OFFL_SIR_NOPN_2_20190612T173546_20190612T173658_C001		There is an error with the ECMWF Meteo Corrections for one or more
CS_OFFL_SIR_NOPN_2_20190612T190555_20190612T190721_C001ECMWF Meteo Corrections, Mean Dynamic Topography (1)There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface (1), Mean Dynamic Topography (1)CS_OFFL_SIR_NOPN_2_20190612T191235_20190612T191537_C001ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_NOPN_2_20190612T204558_20190612T204903_C001ECMWF Meteo Corrections, Mean Dynamic Topography (1)There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_NOPN_2_20190612T205136_20190612T205638_C001ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_NOPN_2_20190612T2040012T2040012T204538_C001Surface (1)There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1)CS_OFFL_SIR_NOPN_2_20190612T214237_20190612T204538_C001Mean Sea Surface (1)There is an error with the MSS height (solution 1) for one or more recordsCS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001Mean Sea Surface (1)There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (1)CS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)C	CS_OFFL_SIR_NOPN_2_20190612T181451_20190612T181647_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or
Dynamic Topography (1)Surface Height (solution 1) for one or more recordsCS_OFFL_SIR_NOPN_2_20190612T191235_20190612T204903_C001Surface (1), Mean Dynamic Topography (1)There is an error with the ECMWF Meteo Corrections, the Mean SeaCS_OFFL_SIR_NOPN_2_20190612T204558_20190612T204903_C001ECMWF Meteo Corrections, Mean Dynamic Topography (1)There is an error with the ECMWF Meteo Corrections and the Mean SeaCS_OFFL_SIR_NOPN_2_20190612T205136_20190612T205638_C001ECMWF Meteo Corrections, Mean SeaSurface (1), Mean Dynamic Topography (1)CS_OFFL_SIR_NOPN_2_20190612T214237_20190612T214454_C001Mean Sea Surface (1)There is an error with the ECMWF Meteo Corrections, the Mean SeaCS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001Mean Sea Surface (1)There is an error with the ECMWF Meteo Corrections, the Mean SeaCS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001Mean Sea Surface (1)There is an error with the ECMWF Meteo Corrections, the Mean SeaSurface (1), Mean Dynamic Topography (1)Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)There is an error with the ECMWF Meteo Corrections, the Mean SeaSurface (1), Mean Dynamic Topography (1)Surface (1)There is an error with the ECMWF Meteo Corrections, the Mean SeaSurface (1), Mean Dynamic Topography (1)Surface (1)There is an error with the ECMWF Meteo Corrections, the Mean SeaSurface (1), Mean Dynamic Topography (1)Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)Mean SeaSurface (1), Mean Dynamic Topography (1)Surface Height (solution 1) and the		ECMWF Meteo Corrections, Mean	There is an error with the ECMWF Meteo Corrections and the Mean Sea
CS_OFFL_SIR_NOPN_2_20190612T204558_20190612T204903_C001       ECMWF Meteo Corrections, Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) for one or more records         CS_OFFL_SIR_NOPN_2_20190612T205136_20190612T205638_C001       ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1)         CS_OFFL_SIR_NOPN_2_20190612T214237_20190612T214454_C001       Mean Sea Surface (1)       There is an error with the MSS height (solution 1) for one or more records         CS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001       ECMWF Meteo Corrections, Mean Sea Surface (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (solution 1) for one or more records         CS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001       ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1), (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (1), (1)	CS_OFFL_SIR_NOPN_2_20190612T191235_20190612T191537_C001	ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography	There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)
CS_OFFL_SIR_NOPN_2_20190612T205136_20190612T205638_C001       Dynamic Topography (1)       Surface (1), Mean Dynamic Topography (1)         CS_OFFL_SIR_NOPN_2_20190612T214237_20190612T214454_C001       Mean Sea Surface (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1)         CS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001       Mean Sea Surface (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1)         CS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001       ECMWF Meteo Corrections, Mean Sea Surface (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (1)	CS_OFFL_SIR_NOPN_2_20190612T204558_20190612T204903_C001	ECMWF Meteo Corrections, Mean	There is an error with the ECMWF Meteo Corrections and the Mean Sea
CS_OFFL_SIR_NOPN_2_20190612T214237_20190612T214454_C001       Mean Sea Surface (1)       There is an error with the MSS height (solution 1) for one or more records         CS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001       ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface (1), Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records		ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography	There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)
CS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001 Surface (1), Mean Dynamic Topography (1) Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records There is an error with the ECMWE Meteo Corrections for one or more	CS_OFFL_SIR_NOPN_2_20190612T214237_20190612T214454_C001		
There is an error with the ECMWE Meteo Corrections for one or more	CS_OFFL_SIR_NOPN_2_20190612T222613_20190612T222848_C001	Surface (1), Mean Dynamic Topography	Surface Height (solution 1) and the Mean Dynamic Topography (solution 1)
CS_OFFL_SIR_NOPN_2_20190612T223044_20190612T223242_C001	CS_OFFL_SIR_NOPN_2_20190612T223044_20190612T223242_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records

CS_OFFL_SIR_NOPN_2_20190612T223548_20190612T223712_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPN_2_20190612T232122_20190612T232238_C001	ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20190612T232447_20190612T232731_C001	ECMWF Meteo Corrections, Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the EUNWYF Meteo Corrections, the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPR_2_20190612T000530_20190612T000731_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20190612T032646_20190612T033150_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 2)
CS_OFFL_SIR_NOPR_2_20190612T050358_20190612T051350_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 2)
CS_OFFL_SIR_NOPR_2_20190612T064428_20190612T065246_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 2)
CS_OFFL_SIR_NOPR_2_20190612T073732_20190612T073736_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPR_2_20190612T082519_20190612T083300_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 2)
CS_OFFL_SIR_NOPR_2_20190612T091630_20190612T091636_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPR_2_20190612T091643_20190612T091649_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPR_2_20190612T100421_20190612T101131_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 2)
CS_OFFL_SIR_NOPR_2_20190612T105528_20190612T105534_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPR_2_20190612T105541_20190612T105547_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPR_2_20190612T113434_20190612T113648_C001	ECMWF Meteo Corrections, Inverse Barometric Correction, Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the ECMWF Meteo Corrections, the Inverse Barometric Correction, the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPR_2_20190612T114335_20190612T114931_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 2)
CS_OFFL_SIR_NOPR_2_20190612T123439_20190612T123445_C001	ECMWF Meteo Corrections	There is an error with the ECMWF Meteo Corrections for one or more records
CS_OFFL_SIR_NOPR_2_20190612T132207_20190612T132729_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 2)
CS_OFFL_SIR_NOPR_2_20190612T150944_20190612T150947_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20190612T225310_20190612T225501_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

## 5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:
2

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190612T183139_20190612T183430_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20190612T234920_20190612T235532_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

## 5.6 L2 Measurement Quality Flag Check

## L2 Quality Flags (20Hz)

CryoSat L2 data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

> Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags: These flags are currently set for some records over ocean.

> OCOG Altimeter Range and Backscatter Quality Flags: These flags are currently set for some records over continental ice.

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Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190612T002217_20190612T003437_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T003959_20190612T005250_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T005722_20190612T010537_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T010813_20190612T012409_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T012706_20190612T012917_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T020632_20190612T021005_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T021007_20190612T023244_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T023855_20190612T024407_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T024816_20190612T031205_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T034404_20190612T035519_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

	Ocean Altimeter Range Quality, Ocean	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPM_2_20190612T040057_20190612T041125_C001	SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T041820_20190612T042424_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T042648_20190612T045456_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T051728_20190612T055008_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T055729_20190612T060254_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T060605_20190612T061047_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T064113_20190612T064427_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T065623_20190612T070529_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T070814_20190612T072959_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T073627_20190612T073732_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T073736_20190612T074145_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T074556_20190612T080320_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T083301_20190612T090825_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T091146_20190612T091630_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T092731_20190612T095846_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T101131_20190612T102607_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T103049_20190612T104804_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T105012_20190612T105528_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T110540_20190612T111908_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T112122_20190612T113433_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T113648_20190612T113737_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T120046_20190612T121108_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T121248_20190612T122657_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T122937_20190612T123439_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T124313_20190612T124426_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T124838_20190612T125549_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T130011_20190612T130459_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T134351_20190612T140527_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T141008_20190612T141355_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T142051_20190612T144851_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T152043_20190612T154513_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T154750_20190612T155309_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T155316_20190612T155642_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T160024_20190612T161110_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T161648_20190612T163306_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_NOPM_2_20190612T165707_20190612T171015_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T171031_20190612T171550_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T171940_20190612T172431_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T172750_20190612T173546_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T174015_20190612T181301_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T184821_20190612T190316_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T190721_20190612T191235_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T191917_20190612T194048_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T194332_20190612T195401_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T200435_20190612T200739_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T202332_20190612T202939_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T203127_20190612T204159_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T205857_20190612T213508_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T214711_20190612T221912_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T222848_20190612T223043_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T223242_20190612T223548_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T223804_20190612T225309_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T225502_20190612T230549_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T232239_20190612T232446_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190612T232732_20190612T234347_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190612T100317_20190612T100420_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190612T114119_20190612T114149_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190612T181451_20190612T181647_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190612T064428_20190612T065246_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190612T130622_20190612T130742_C001	Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

## L2 Quality Flags (20Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

> Ocean Altimeter Range, SSHA, SWH and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over sea ice.

> OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

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Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20190612T001219_20190612T001325_C001	Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190612T001654_20190612T001811_C001	Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190612T005523_20190612T005721_C001	,	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190612T015132_20190612T015715_C001	Ocean Aumeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality Ocean Backscatter	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190612T023815_20190612T023855_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190612T024407_20190612T024647_C001	Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190612T042424_20190612T042551_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPN_2_20190612T051351_20190612T051727_C001
CS_OFFL_SIR_NOPN_2_20190612T060255_20190612T060412_C001
CS_OFFL_SIR_NOPN_2_20190612T074145_20190612T074308_C001
CS_OFFL_SIR_NOPN_2_20190612T082243_20190612T082501_C001
CS_OFFL_SIR_NOPN_2_20190612T090953_20190612T091145_C001
CS_OFFL_SIR_NOPN_2_20190612T092027_20190612T092151_C001
CS_OFFL_SIR_NOPN_2_20190612T114119_20190612T114149_C001
CS_OFFL_SIR_NOPN_2_20190612T140655_20190612T141008_C001
CS_OFFL_SIR_NOPN_2_20190612T172625_20190612T172750_C001
CS_OFFL_SIR_NOPN_2_20190612T183547_20190612T183659_C001
CS_OFFL_SIR_NOPN_2_20190612T190555_20190612T190721_C001
CS_OFFL_SIR_NOPN_2_20190612T191235_20190612T191537_C001
CS_OFFL_SIR_NOPN_2_20190612T205136_20190612T205638_C001
CS_OFFL_SIR_NOPN_2_20190612T232447_20190612T232731_C001
CS_OFFL_SIR_NOPR_2_20190612T010725_20190612T010812_C001
CS_OFFL_SIR_NOPR_2_20190612T015716_20190612T015941_C001
CS_OFFL_SIR_NOPR_2_20190612T032646_20190612T033150_C001
CS_OFFL_SIR_NOPR_2_20190612T050358_20190612T051350_C001
CS_OFFL_SIR_NOPR_2_20190612T055008_20190612T055404_C001
CS_OFFL_SIR_NOPR_2_20190612T064428_20190612T065246_C001
CS_OFFL_SIR_NOPR_2_20190612T073000_20190612T073305_C001
CS_OFFL_SIR_NOPR_2_20190612T073732_20190612T073736_C001
CS_OFFL_SIR_NOPR_2_20190612T082133_20190612T082243_C001
CS_OFFL_SIR_NOPR_2_20190612T082519_20190612T083300_C001
CS_OFFL_SIR_NOPR_2_20190612T090826_20190612T090952_C001
CS_OFFL_SIR_NOPR_2_20190612T092152_20190612T092731_C001
CS_OFFL_SIR_NOPR_2_20190612T100421_20190612T101131_C001
CS_OFFL_SIR_NOPR_2_20190612T102607_20190612T103048_C001
CS_OFFL_SIR_NOPR_2_20190612T105942_20190612T110539_C001
CS_OFFL_SIR_NOPR_2_20190612T113908_20190612T114119_C001
CS_OFFL_SIR_NOPR_2_20190612T114335_20190612T114931_C001
CS_OFFL_SIR_NOPR_2_20190612T121109_20190612T121248_C001
CS_OFFL_SIR_NOPR_2_20190612T122657_20190612T122749_C001
CS_OFFL_SIR_NOPR_2_20190612T130622_20190612T130742_C001
CS_OFFL_SIR_NOPR_2_20190612T132207_20190612T132729_C001

OCOG Backscatter Quality Ocean Alumeter Range Quality PLRIVI. OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality Ocean Altimeter Range Quality PLRM. Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Aumeter Kange Quality PLKW, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality Ocean Backscatter Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ócean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM. Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM. Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM. Ocean SWH Quality, Ocean Backscatter Quality

Ocean Altimeter Range Quality PLRM,

OCOG Altimeter Range Quality PLRM,

Ocean SSHA Quality PLRM, Ocean

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records SWH Quality, Ocean Backscatter Quality

> The OCOG Range and Backscatter Quality Flags have been set for one or more records

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags ave been set for one or more records

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records

The OCOG Range and Backscatter Quality Flags have been set for one or nore records

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records

The OCOG Range and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The OCOG Range and Backscatter Quality Flags have been set for one or nore records

The OCOG Range and Backscatter Quality Flags have been set for one or

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags nave been set for one or more records

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records

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The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags been set for one or more records

The OCOG Range and Backscatter Quality Flags have been set for one or

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records

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The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

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The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_NOPR_2_20190612T164542_20190612T164749_C001	Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.		
CS_OFFL_SIR_NOPR_2_20190612T172431_20190612T172625_C001	Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.		
CS_OFFL_SIR_NOPR_2_20190612T183700_20190612T183838_C001	Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.		
CS_OFFL_SIR_NOPR_2_20190612T190316_20190612T190555_C001	Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.		
CS_OFFL_SIR_NOPR_2_20190612T204159_20190612T204558_C001	Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.		
CS_OFFL_SIR_NOPR_2_20190612T205649_20190612T205856_C001	Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.		
CS_OFFL_SIR_NOPR_2_20190612T221912_20190612T222613_C001	Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.		
L2 Quality Flags (1 Hz & 1Hz PLRM)				
Currently, there are several common flags raised in the Level 2 products, which are summarised below.				

> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected.

168

132

Number of	oroducts w	ith errors:

errors:

5.7 L2 Ocean Retracking Quality Check		
L2 Retracking Flags (20Hz)		
CryoSat L2 data includes an ocean retracking qu	ality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.	
Ocean Retracking Quality Flag: This flag is currently set for products falling at ocean/ land boundaries, but this is expected.		
Number of products with errors:	52	
L2 Retracking Flags (20Hz, PLRM)		

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag (PLRM): This flag is currently set for products NOPR and NOPN products over sea ice, but this is to be expected.